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Cover Page

Order ID : P5316

Project ID : CTO WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
P5316-01	TT-304-IDWSO-20241217-1
P5316-02	TT-304-IDWSO-20241217-2
P5316-03	TT-304-IDWSO-20241217-3
P5316-04	TT-304-IDWSO-20241217-4

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: 12/30/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: CTO WE13
Project Manager : Ernie Wu
Chemtech Project # P5316
Test Name: VOCMS Group4

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 12/17/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals Group1, Metals ICP-Group1, PCB Group1, PESTICIDE Group1, SVOCMS Group2 and VOCMS Group4. This data package contains results for VOCMS Group4.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOCMS Group4 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for
TT-304-IDWSO-20241217-4 [1,2-Dichloroethane-d4 - 70%, 4-Bromofluorobenzene - 43%] and
TT-304-IDWSO-20241217-4RE [4-Bromofluorobenzene - 71%], sample was reanalyzed to confirm the failure and reported.

The Internal Standards Areas met the acceptable requirements except for TT-304-IDWSO-20241217-4, sample was reanalyzed to confirm the failure and reported.

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 %RSD is greater than 20% in the Initial Calibration method (82Y121724S.M) for Acetone, Chloroform this compound is passing on Linear Regression.

The %RSD is greater than 20% in the Initial Calibration method (82Y122624S.M) for Toluene-d8 this compound is passing on Linear Regression.

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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)."

Fax and hard copy not match for sample 01,02,03 as fax reported from initial analysis where surrogate fail therefore as corrective action lab reanalyzed sample where all standard passing therefore hard copy reported from second analysis and fax data reported as screening Data in miscellaneous section.

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

Trip Blank was not provided with this set of samples.
The not QT review data is reported in the Miscellaneous.
The soil samples results are based on a dry weight basis.

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

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

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

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: P5316 MATRIX: Solid

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The %RSD is greater than 20% in the Initial Calibration method (82Y121724S.M) for Acetone, Chloroform this compound is passing on Linear Regression. The %RSD is greater than 20% in the Initial Calibration method (82Y122624S.M) for Toluene-d8 this compound is passing on Linear Regression. 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 except for TT-304-IDWSO-20241217-4 [1,2-Dichloroethane-d4 - 70%, 4-Bromofluorobenzene - 43%] and TT-304-IDWSO-20241217-4RE [4-Bromofluorobenzene - 71%], sample was reanalyzed to confirm the failure and reported.		✓	
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: The Internal Standards Areas met the acceptable requirements except for TT-304-IDWSO-20241217-4, sample was reanalyzed to confirm the failure and reported.		✓	

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

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

ADDITIONAL COMMENTS:

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is)."
Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.
Fax and hard copy not match for sample 01,02,03 as fax reported from initial analysis where surrogate fail therefore as corrective action lab reanalyzed sample where all standard passing therefore hard copy reported from second analysis and fax data reported as screening Data in miscellaneous section.

Trip Blank was not provided with this set of samples.
The not QT review data is reported in the Miscellaneous.
The soil samples results are based on a dry weight basis.

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

_____ _____

QA REVIEW Date

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P5316**

	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:** **12/30/2024**

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LAB CHRONICLE

OrderID:	P5316	**OrderDate:**	12/17/2024 3:44:00 PM
Client:	Tetra Tech NUS, Inc.	**Project:**	CTO WE13
Contact:	Ernie Wu	**Location:**	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5316-01	**TT-304-IDWSO-20241217-1**	**SOIL**			**12/17/24**			**12/17/24**
			VOCMS Group4	8260D			12/26/24	
P5316-02	**TT-304-IDWSO-20241217-2**	**SOIL**			**12/17/24**			**12/17/24**
			VOCMS Group4	8260D			12/26/24	
P5316-03	**TT-304-IDWSO-20241217-3**	**SOIL**			**12/17/24**			**12/17/24**
			VOCMS Group4	8260D			12/26/24	
P5316-04	**TT-304-IDWSO-20241217-4**	**SOIL**			**12/17/24**			**12/17/24**
			VOCMS Group4	8260D			12/20/24	
P5316-04RE	**TT-304-IDWSO-20241217-4RE**	**SOIL**			**12/17/24**			**12/17/24**
			VOCMS Group4	8260D			12/20/24	

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Hit Summary Sheet
SW-846

SDG No.: P5316

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**TT-304-IDWSO-20241217-2**								
P5316-02	TT-304-IDWSO-20	SOIL	Acetone	22.8	J	6.80	21.7	27.1	ug/Kg
P5316-02	TT-304-IDWSO-20	SOIL	Methylene Chloride	14.3		3.70	8.70	10.8	ug/Kg
			Total Voc :	37.1					
			Total Concentration:	37.1					

QC
SUMMARY

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Surrogate Summary

SDG No.: P5316

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
P5316-01	TT-304-IDWSO-20241217-1	1,2-Dichloroethane-d4	50	58.5	117		71	136
		Dibromofluoromethane	50	55.2	110		78	119
		Toluene-d8	50	52.6	105		85	116
		4-Bromofluorobenzene	50	46.7	93		79	119
P5316-02	TT-304-IDWSO-20241217-2	1,2-Dichloroethane-d4	50	58.7	117		71	136
		Dibromofluoromethane	50	55.8	112		78	119
		Toluene-d8	50	52.4	105		85	116
		4-Bromofluorobenzene	50	48.0	96		79	119
P5316-03	TT-304-IDWSO-20241217-3	1,2-Dichloroethane-d4	50	55.9	112		71	136
		Dibromofluoromethane	50	54.7	109		78	119
		Toluene-d8	50	52.6	105		85	116
		4-Bromofluorobenzene	50	49.2	98		79	119
P5316-04	TT-304-IDWSO-20241217-4	1,2-Dichloroethane-d4	50	34.9	70	*	71	136
		Dibromofluoromethane	50	42.9	86		78	119
		Toluene-d8	50	45.2	90		85	116
		4-Bromofluorobenzene	50	21.7	43	*	79	119
P5316-04RE	TT-304-IDWSO-20241217-4RE	1,2-Dichloroethane-d4	50	50.8	102		71	136
		Dibromofluoromethane	50	45.9	92		78	119
		Toluene-d8	50	48.7	97		85	116
		4-Bromofluorobenzene	50	35.3	71	*	79	119
VY1220SBL01	VY1220SBL01	1,2-Dichloroethane-d4	50	49.0	98		71	136
		Dibromofluoromethane	50	50.7	101		78	119
		Toluene-d8	50	49.8	100		85	116
		4-Bromofluorobenzene	50	44.5	89		79	119
VY1220SBS01	VY1220SBS01	1,2-Dichloroethane-d4	50	43.1	86		71	136
		Dibromofluoromethane	50	46.1	92		78	119
		Toluene-d8	50	46.6	93		85	116
		4-Bromofluorobenzene	50	44.2	88		79	119
VY1226SBL01	VY1226SBL01	1,2-Dichloroethane-d4	50	64.7	129		71	136
		Dibromofluoromethane	50	57.6	115		78	119
		Toluene-d8	50	52.6	105		85	116
		4-Bromofluorobenzene	50	51.0	102		79	119
VY1226SBS01	VY1226SBS01	1,2-Dichloroethane-d4	50	55.0	110		71	136
		Dibromofluoromethane	50	52.1	104		78	119
		Toluene-d8	50	50.6	101		85	116
		4-Bromofluorobenzene	50	51.8	104		79	119
VY1226SBSD01	VY1226SBSD01	1,2-Dichloroethane-d4	50	57.3	115		71	136
		Dibromofluoromethane	50	53.1	106		78	119
		Toluene-d8	50	52.1	104		85	116
		4-Bromofluorobenzene	50	52.9	106		79	119

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5316

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260D **Datafile :** VY020666.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1220SBS01	Vinyl chloride	20	15.8	ug/Kg	79			56	135	
	1,1-Dichloroethene	20	16.1	ug/Kg	81			70	131	
	Acetone	100	63.0	ug/Kg	63			36	164	
	Methyl tert-butyl Ether	20	19.9	ug/Kg	100			73	125	
	Methylene Chloride	20	17.7	ug/Kg	89			70	128	
	trans-1,2-Dichloroethene	20	21.5	ug/Kg	108			74	125	
	1,1-Dichloroethane	20	21.4	ug/Kg	107			76	125	
	2-Butanone	100	91.7	ug/Kg	92			51	148	
	Carbon Tetrachloride	20	22.4	ug/Kg	112			70	135	
	cis-1,2-Dichloroethene	20	20.9	ug/Kg	104			77	123	
	Chloroform	20	19.1	ug/Kg	96			78	123	
	1,1,1-Trichloroethane	20	21.7	ug/Kg	109			73	130	
	Benzene	20	22.1	ug/Kg	111			77	121	
	1,2-Dichloroethane	20	21.0	ug/Kg	105			73	128	
	Trichloroethene	20	21.9	ug/Kg	110			77	123	
	Toluene	20	22.1	ug/Kg	111			77	121	
	Tetrachloroethene	20	21.9	ug/Kg	110			73	128	
	Chlorobenzene	20	22.3	ug/Kg	112			79	120	
	Ethyl Benzene	20	22.2	ug/Kg	111			76	122	
	m/p-Xylenes	40	44.7	ug/Kg	112			77	124	
	o-Xylene	20	22.2	ug/Kg	111			77	123	
	N-propylbenzene	20	22.0	ug/Kg	110			73	125	
	tert-Butylbenzene	20	20.9	ug/Kg	104			73	125	
	1,2,4-Trimethylbenzene	20	24.5	ug/Kg	123			75	123	
	Sec-butylbenzene	20	21.8	ug/Kg	109			73	126	
	1,3-Dichlorobenzene	20	21.6	ug/Kg	108			77	121	
	1,4-Dichlorobenzene	20	21.6	ug/Kg	108			75	120	
	n-Butylbenzene	20	22.3	ug/Kg	112			70	128	
	1,2-Dichlorobenzene	20	21.5	ug/Kg	108			78	121	
	1,4-Dioxane	400	370	ug/Kg	93			55	138	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5316

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260D **Datafile :** VY020715.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1226SBS01	Vinyl chloride	20	17.7	ug/Kg	89			56	135	
	1,1-Dichloroethene	20	19.1	ug/Kg	96			70	131	
	Acetone	100	94.4	ug/Kg	94			36	164	
	Methyl tert-butyl Ether	20	19.6	ug/Kg	98			73	125	
	Methylene Chloride	20	20.7	ug/Kg	104			70	128	
	trans-1,2-Dichloroethene	20	19.0	ug/Kg	95			74	125	
	1,1-Dichloroethane	20	19.7	ug/Kg	99			76	125	
	2-Butanone	100	110	ug/Kg	110			51	148	
	Carbon Tetrachloride	20	19.7	ug/Kg	99			70	135	
	cis-1,2-Dichloroethene	20	19.3	ug/Kg	97			77	123	
	Chloroform	20	20.1	ug/Kg	101			78	123	
	1,1,1-Trichloroethane	20	19.4	ug/Kg	97			73	130	
	Benzene	20	20.0	ug/Kg	100			77	121	
	1,2-Dichloroethane	20	20.4	ug/Kg	102			73	128	
	Trichloroethene	20	19.4	ug/Kg	97			77	123	
	Toluene	20	20.3	ug/Kg	102			77	121	
	Tetrachloroethene	20	20.9	ug/Kg	104			73	128	
	Chlorobenzene	20	19.8	ug/Kg	99			79	120	
	Ethyl Benzene	20	20.2	ug/Kg	101			76	122	
	m/p-Xylenes	40	41.6	ug/Kg	104			77	124	
	o-Xylene	20	20.7	ug/Kg	104			77	123	
	N-propylbenzene	20	20.0	ug/Kg	100			73	125	
	tert-Butylbenzene	20	19.8	ug/Kg	99			73	125	
	1,2,4-Trimethylbenzene	20	20.0	ug/Kg	100			75	123	
	Sec-butylbenzene	20	20.0	ug/Kg	100			73	126	
	1,3-Dichlorobenzene	20	19.7	ug/Kg	99			77	121	
	1,4-Dichlorobenzene	20	19.9	ug/Kg	100			75	120	
	n-Butylbenzene	20	19.9	ug/Kg	100			70	128	
	1,2-Dichlorobenzene	20	20.3	ug/Kg	102			78	121	
	1,4-Dioxane	400	450	ug/Kg	113			55	138	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5316

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260D **Datafile :** VY020716.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1226SBSD01	Vinyl chloride	20	18.1	ug/Kg	91	2		56	135	20
	1,1-Dichloroethene	20	18.9	ug/Kg	95	1		70	131	20
	Acetone	100	99.3	ug/Kg	99	5		36	164	20
	Methyl tert-butyl Ether	20	20.6	ug/Kg	103	5		73	125	20
	Methylene Chloride	20	19.7	ug/Kg	99	5		70	128	20
	trans-1,2-Dichloroethene	20	19.3	ug/Kg	97	2		74	125	20
	1,1-Dichloroethane	20	20.0	ug/Kg	100	1		76	125	20
	2-Butanone	100	110	ug/Kg	110	0		51	148	20
	Carbon Tetrachloride	20	19.0	ug/Kg	95	4		70	135	20
	cis-1,2-Dichloroethene	20	19.7	ug/Kg	99	2		77	123	20
	Chloroform	20	19.9	ug/Kg	100	1		78	123	20
	1,1,1-Trichloroethane	20	19.5	ug/Kg	98	1		73	130	20
	Benzene	20	19.4	ug/Kg	97	3		77	121	20
	1,2-Dichloroethane	20	19.5	ug/Kg	98	4		73	128	20
	Trichloroethene	20	19.6	ug/Kg	98	1		77	123	20
	Toluene	20	19.7	ug/Kg	99	3		77	121	20
	Tetrachloroethene	20	19.4	ug/Kg	97	7		73	128	20
	Chlorobenzene	20	20.1	ug/Kg	101	2		79	120	20
	Ethyl Benzene	20	19.7	ug/Kg	99	2		76	122	20
	m/p-Xylenes	40	40.0	ug/Kg	100	4		77	124	20
	o-Xylene	20	19.5	ug/Kg	98	6		77	123	20
	N-propylbenzene	20	19.4	ug/Kg	97	3		73	125	20
	tert-Butylbenzene	20	19.7	ug/Kg	99	0		73	125	20
	1,2,4-Trimethylbenzene	20	19.7	ug/Kg	99	1		75	123	20
	Sec-butylbenzene	20	19.5	ug/Kg	98	2		73	126	20
	1,3-Dichlorobenzene	20	19.8	ug/Kg	99	0		77	121	20
	1,4-Dichlorobenzene	20	19.4	ug/Kg	97	3		75	120	20
	n-Butylbenzene	20	19.5	ug/Kg	98	2		70	128	20
	1,2-Dichlorobenzene	20	20.0	ug/Kg	100	2		78	121	20
	1,4-Dioxane	400	460	ug/Kg	115	2		55	138	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1220SBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG NO.: P5316

Lab File ID: VY020665.D Lab Sample ID: VY1220SBL01

Date Analyzed: 12/20/2024 Time Analyzed: 11:24

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

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1220SBS01	VY1220SBS01	VY020666.D	12/20/2024
TT-304-IDWSO-20241217-4	P5316-04	VY020672.D	12/20/2024
TT-304-IDWSO-20241217-4RE	P5316-04RE	VY020675.D	12/20/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1226SBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG NO.: P5316

Lab File ID: VY020714.D Lab Sample ID: VY1226SBL01

Date Analyzed: 12/26/2024 Time Analyzed: 13:56

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

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1226SBS01	VY1226SBS01	VY020715.D	12/26/2024
VY1226SBSD01	VY1226SBSD01	VY020716.D	12/26/2024
TT-304-IDWSO-20241217-1	P5316-01	VY020718.D	12/26/2024
TT-304-IDWSO-20241217-2	P5316-02	VY020720.D	12/26/2024
TT-304-IDWSO-20241217-3	P5316-03	VY020722.D	12/26/2024

COMMENTS:

Raw Data: **VY020611.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG NO.: P5316

Lab File ID: VY020611.D BFB Injection Date: 12/17/2024

Instrument ID: MSVOA_Y BFB Injection Time: 09:00

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	52.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1 (1.3) 1
174	50.0 - 100.0% of mass 95	77.1
175	5.0 - 9.0% of mass 174	6.2 (8) 1
176	95.0 - 101.0% of mass 174	74.2 (96.3) 1
177	5.0 - 9.0% of mass 176	4.8 (6.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC010	VSTDICC010	VY020613.D	12/17/2024	10:01
VSTDICC020	VSTDICC020	VY020614.D	12/17/2024	10:23
VSTDICCC050	VSTDICCC050	VY020615.D	12/17/2024	10:51
VSTDICC100	VSTDICC100	VY020616.D	12/17/2024	11:14
VSTDICC150	VSTDICC150	VY020617.D	12/17/2024	11:37
VSTDICC005	VSTDICC005	VY020619.D	12/17/2024	14:51

Raw Data: **VY020663.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG NO.: P5316

Lab File ID: VY020663.D BFB Injection Date: 12/20/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:37

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.3
75	30.0 - 60.0% of mass 95	50.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	85.2
175	5.0 - 9.0% of mass 174	6.8 (8) 1
176	95.0 - 101.0% of mass 174	81.8 (96) 1
177	5.0 - 9.0% of mass 176	5.5 (6.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY020664.D	12/20/2024	09:09
VY1220SBL01	VY1220SBL01	VY020665.D	12/20/2024	11:24
VY1220SBS01	VY1220SBS01	VY020666.D	12/20/2024	13:12
TT-304-IDWSO-20241217-4	P5316-04	VY020672.D	12/20/2024	15:44
TT-304-IDWSO-20241217-4RE	P5316-04RE	VY020675.D	12/20/2024	16:52
VSTDCCC050EC	VSTDCCC050	VY020682.D	12/20/2024	19:35

Raw Data: **VY020705.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG NO.: P5316

Lab File ID: VY020705.D BFB Injection Date: 12/26/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:29

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.9
75	30.0 - 60.0% of mass 95	56.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	88.9
175	5.0 - 9.0% of mass 174	4.7 (5.3) 1
176	95.0 - 101.0% of mass 174	85.2 (95.8) 1
177	5.0 - 9.0% of mass 176	6 (7) 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	VY020706.D	12/26/2024	09:31
VSTDICC010	VSTDICC010	VY020707.D	12/26/2024	09:53
VSTDICC020	VSTDICC020	VY020708.D	12/26/2024	10:16
VSTDICCC050	VSTDICCC050	VY020709.D	12/26/2024	10:39
VSTDICC150	VSTDICC150	VY020710.D	12/26/2024	11:01
VSTDICC100	VSTDICC100	VY020711.D	12/26/2024	11:51
VY1226SBL01	VY1226SBL01	VY020714.D	12/26/2024	13:56
VY1226SBS01	VY1226SBS01	VY020715.D	12/26/2024	14:32
VY1226SBSD01	VY1226SBSD01	VY020716.D	12/26/2024	14:54
TT-304-IDWSO-20241217-1	P5316-01	VY020718.D	12/26/2024	15:41
TT-304-IDWSO-20241217-2	P5316-02	VY020720.D	12/26/2024	16:28
TT-304-IDWSO-20241217-3	P5316-03	VY020722.D	12/26/2024	17:15
VSTDCCC050EC	VSTDCCC050	VY020728.D	12/26/2024	19:34

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG NO.: P5316

Lab File ID: VY020664.D Date Analyzed: 12/20/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:09

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	162547	7.71	240673	8.62	212145	11.42
UPPER LIMIT	325094	8.213	481346	9.116	424290	11.92
LOWER LIMIT	81273.5	7.213	120337	8.116	106073	10.92
EPA SAMPLE NO.						
TT-304-IDWSO-20241217-4	21219 *	7.71	29944 *	8.62	18784 *	11.41
TT-304-IDWSO-20241217-4RE	164449	7.71	291183	8.62	241631	11.41
VY1220SBL01	159056	7.71	246351	8.62	208495	11.41
VY1220SBS01	157442	7.71	237485	8.62	207752	11.42

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG NO.: P5316

Lab File ID: VY020664.D Date Analyzed: 12/20/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:09

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

	IS4 AREA #		RT #				
12 HOUR STD	119359		13.353				
UPPER LIMIT	238718		13.853				
LOWER LIMIT	59679.5		12.853				
EPA SAMPLE NO.							
TT-304-IDWSO-20241217-4	4327	*	13.35				
TT-304-IDWSO-20241217-4RE	90485		13.35				
VY1220SBL01	109647		13.35				
VY1220SBS01	116933		13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG NO.: P5316

Lab File ID: VY020709.D Date Analyzed: 12/26/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:39

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	95919	7.72	134605	8.62	116249	11.42
UPPER LIMIT	191838	8.22	269210	9.122	232498	11.92
LOWER LIMIT	47959.5	7.22	67302.5	8.122	58124.5	10.92
EPA SAMPLE NO.						
TT-304-IDWSO-20241217-1	93149	7.71	143334	8.62	120055	11.42
TT-304-IDWSO-20241217-2	90592	7.71	140817	8.62	117470	11.42
TT-304-IDWSO-20241217-3	95048	7.71	149227	8.62	128468	11.42
VY1226SBL01	99549	7.72	157271	8.62	133794	11.42
VY1226SBS01	120044	7.72	165739	8.62	139363	11.42
VY1226SBSD01	115773	7.71	164224	8.62	140702	11.42

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG NO.: P5316

Lab File ID: VY020709.D Date Analyzed: 12/26/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:39

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

	IS4 AREA #	RT #				
12 HOUR STD	60351	13.353				
UPPER LIMIT	120702	13.853				
LOWER LIMIT	30175.5	12.853				
EPA SAMPLE NO.						
TT-304-IDWSO-20241217-1	47762	13.35				
TT-304-IDWSO-20241217-2	47280	13.35				
TT-304-IDWSO-20241217-3	55512	13.35				
VY1226SBL01	56315	13.35				
VY1226SBS01	74040	13.35				
VY1226SBSD01	73666	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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SAMPLE DATA

Raw Data: **VY020718.D**

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/17/24
Project:	CTO WE13	Date Received:	12/17/24
Client Sample ID:	TT-304-IDWSO-20241217-1	SDG No.:	P5316
Lab Sample ID:	P5316-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	68.6
Sample Wt/Vol:	5.77 Units: g	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
VY020718.D	1		12/26/24 15:41	VY122624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-01-4	Vinyl Chloride	3.20	U	0.97	3.20	6.30	ug/Kg
75-35-4	1,1-Dichloroethene	3.20	U	0.99	3.20	6.30	ug/Kg
67-64-1	Acetone	25.3	U	7.90	25.3	31.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3.20	U	0.85	3.20	6.30	ug/Kg
75-09-2	Methylene Chloride	10.1	U	4.30	10.1	12.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.20	U	1.10	3.20	6.30	ug/Kg
75-34-3	1,1-Dichloroethane	3.20	U	0.80	3.20	6.30	ug/Kg
78-93-3	2-Butanone	25.3	U	7.20	25.3	31.6	ug/Kg
56-23-5	Carbon Tetrachloride	3.20	U	1.10	3.20	6.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3.20	U	0.77	3.20	6.30	ug/Kg
67-66-3	Chloroform	5.10	U	0.85	5.10	6.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.20	U	0.99	3.20	6.30	ug/Kg
71-43-2	Benzene	3.20	U	0.91	3.20	6.30	ug/Kg
107-06-2	1,2-Dichloroethane	3.20	U	0.77	3.20	6.30	ug/Kg
79-01-6	Trichloroethene	3.20	U	0.95	3.20	6.30	ug/Kg
108-88-3	Toluene	3.20	U	0.85	3.20	6.30	ug/Kg
127-18-4	Tetrachloroethene	3.20	U	1.10	3.20	6.30	ug/Kg
108-90-7	Chlorobenzene	3.20	U	0.93	3.20	6.30	ug/Kg
100-41-4	Ethyl Benzene	3.20	U	0.78	3.20	6.30	ug/Kg
1330-20-7	Total Xylenes	9.50	U	2.58	9.50	18.9	ug/Kg
103-65-1	n-propylbenzene	3.20	U	0.81	3.20	6.30	ug/Kg
98-06-6	tert-Butylbenzene	3.20	U	0.85	3.20	6.30	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	3.20	U	1.70	3.20	6.30	ug/Kg
135-98-8	sec-Butylbenzene	3.20	U	0.85	3.20	6.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.20	U	0.93	3.20	6.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.20	U	1.00	3.20	6.30	ug/Kg
104-51-8	n-Butylbenzene	3.20	U	0.80	3.20	6.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.20	U	0.75	3.20	6.30	ug/Kg
123-91-1	1,4-Dioxane	100	U	53.7	100	130	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	58.5		71 - 136		117%	SPK: 50

Raw Data: **VY020718.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/17/24
Project:	CTO WE13	Date Received:	12/17/24
Client Sample ID:	TT-304-IDWSO-20241217-1	SDG No.:	P5316
Lab Sample ID:	P5316-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	68.6
Sample Wt/Vol:	5.77 Units: g	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
VY020718.D	1		12/26/24 15:41	VY122624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1868-53-7	Dibromofluoromethane	55.2		78 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	52.6		85 - 116		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.7		79 - 119		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	93100	7.713				
540-36-3	1,4-Difluorobenzene	143000	8.622				
3114-55-4	Chlorobenzene-d5	120000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	47800	13.352				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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

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

Sample Results: **VY020718.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020718.D
Acq On : 26 Dec 2024 15:41
Operator : SY/MD
Sample : P5316-01
Misc : 5.77g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-1

Quant Time: Dec 27 00:33:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	93149	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.622	114	143334	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	120055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	47762	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	44634	58.500	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.000%			
35) Dibromofluoromethane	7.646	113	43588	55.209	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.420%			
50) Toluene-d8	10.109	98	165584	52.647	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.300%			
62) 4-Bromofluorobenzene	12.408	95	49002	46.703	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 93.400%			
Target Compounds						Qvalue
17) Carbon Disulfide	4.122	76	6498	4.161	ug/l	96

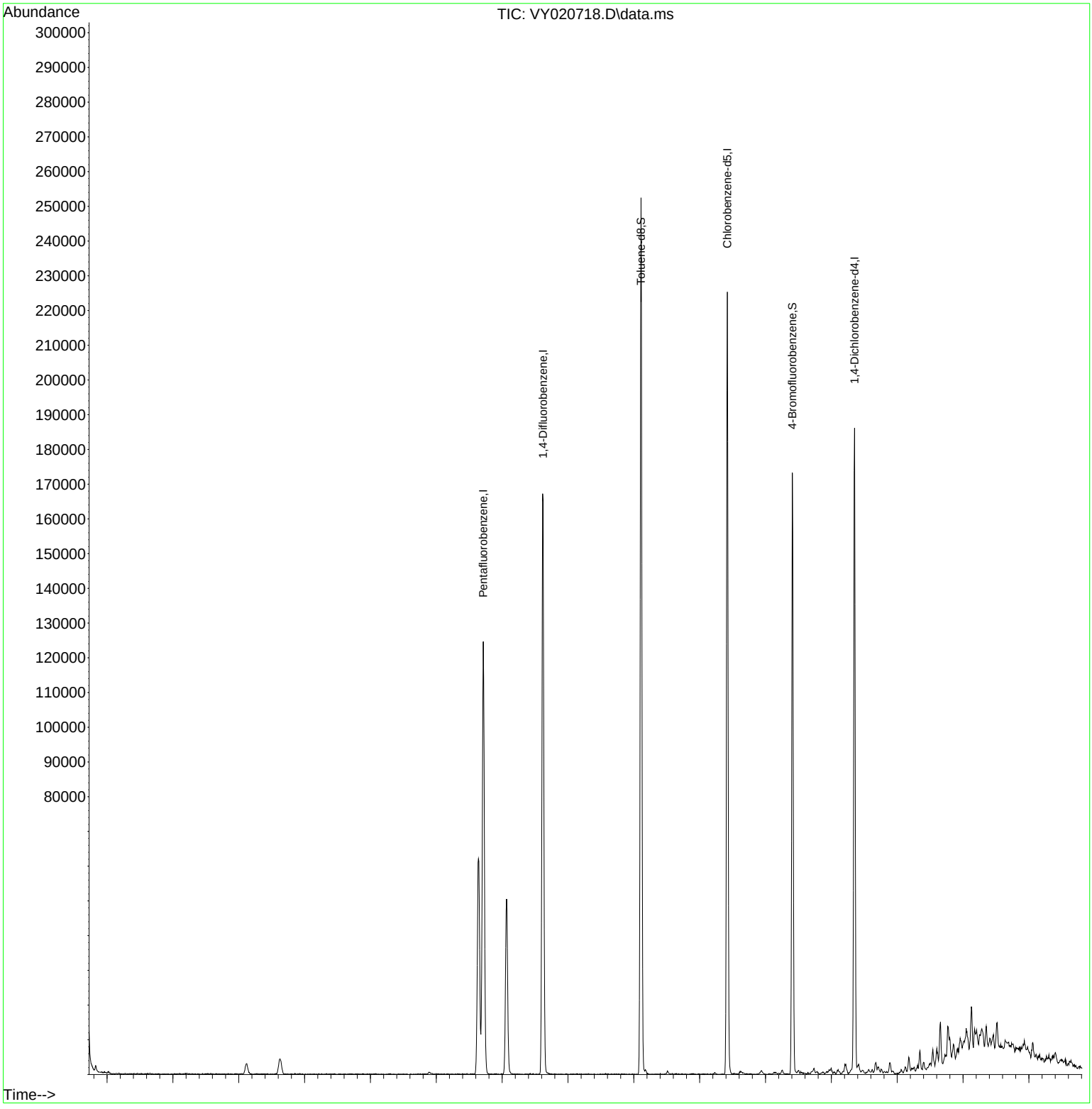
(#) = qualifier out of range (m) = manual integration (+) = signals summed

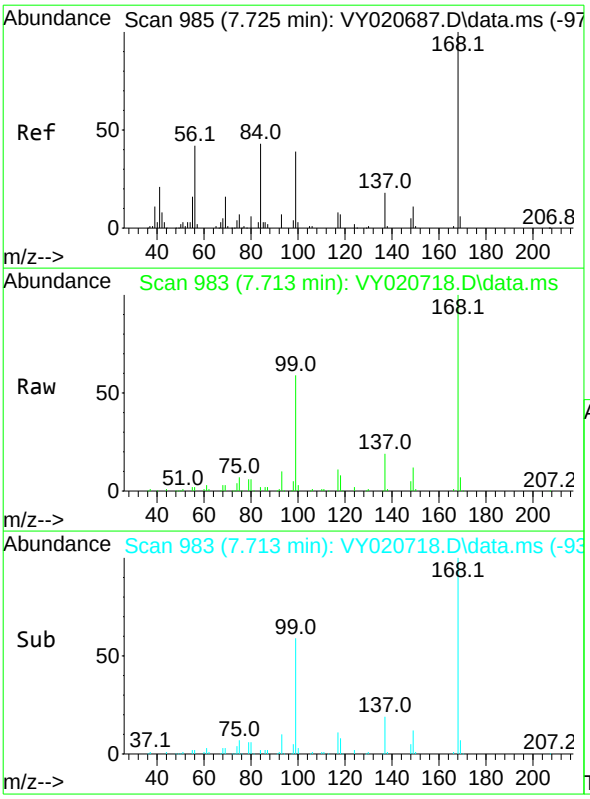
Sample Results: **VY020718.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020718.D
Acq On : 26 Dec 2024 15:41
Operator : SY/MD
Sample : P5316-01
Misc : 5.77g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-1

Quant Time: Dec 27 00:33:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration



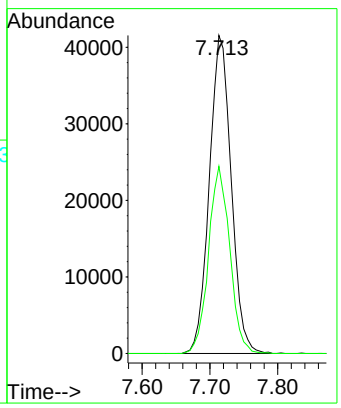


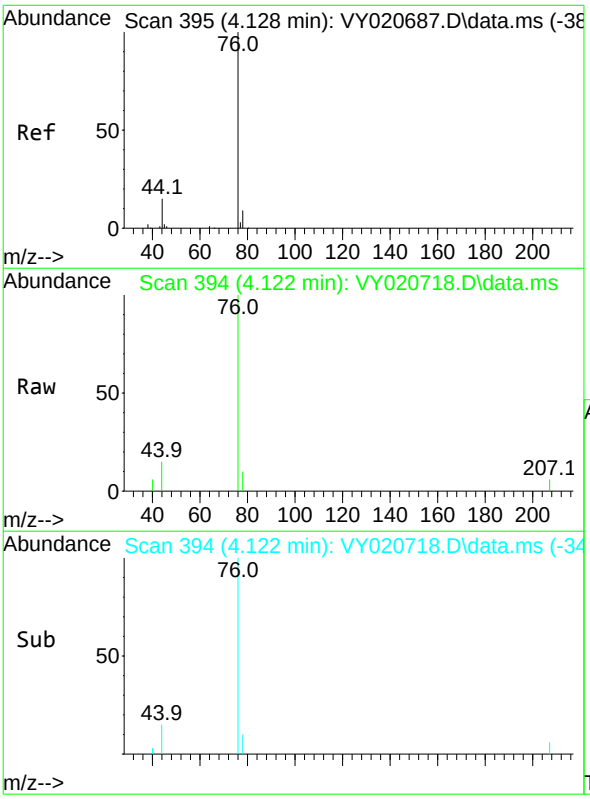
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.012 min
Lab File: VY020718.D
Acq: 26 Dec 2024 15:41

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-1

Tgt Ion:168 Resp: 93149

Ion	Ratio	Lower	Upper
168	100		
99	58.8	43.8	65.6

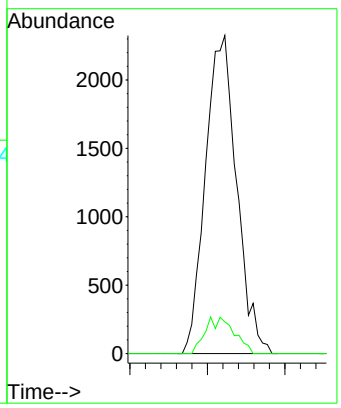


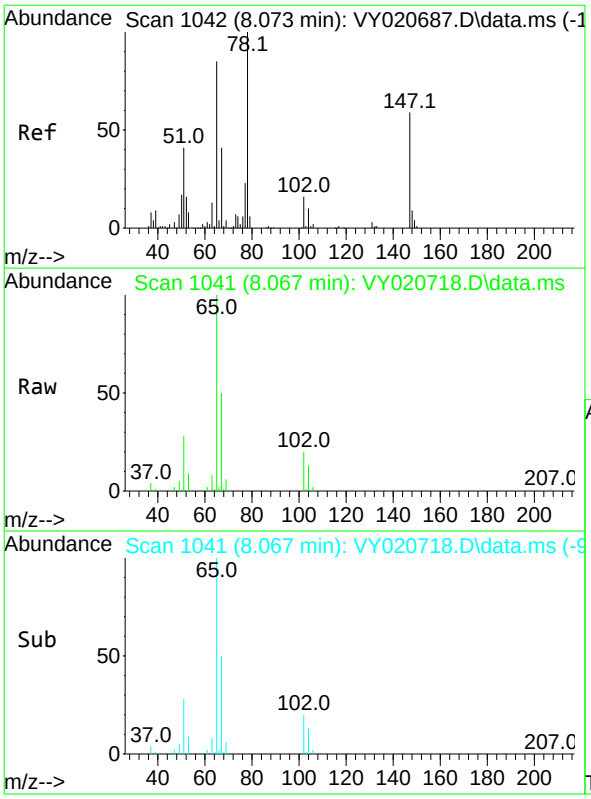


#17
Carbon Disulfide
Concen: 4.161 ug/l
RT: 4.122 min Scan# 394
Delta R.T. -0.006 min
Lab File: VY020718.D
Acq: 26 Dec 2024 15:41

Tgt Ion: 76 Resp: 6498

Ion	Ratio	Lower	Upper
76	100		
78	10.0	6.9	10.3



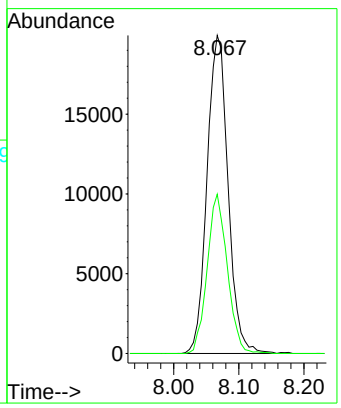


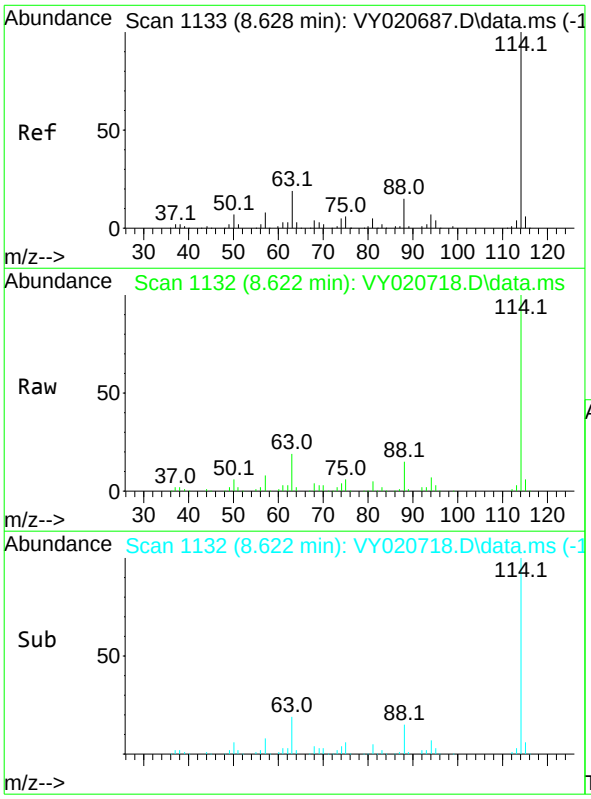
#33
1,2-Dichloroethane-d4
Concen: 58.500 ug/l
RT: 8.067 min Scan# 10
Delta R.T. -0.006 min
Lab File: VY020718.D
Acq: 26 Dec 2024 15:41

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-1

Tgt Ion: 65 Resp: 44634

Ion	Ratio	Lower	Upper
65	100		
67	48.1	0.0	98.0

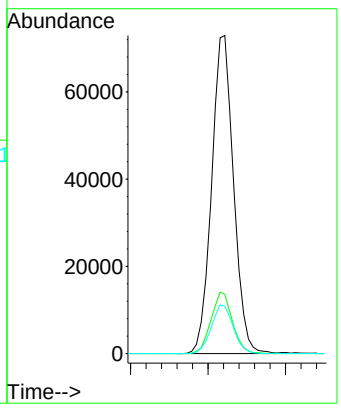


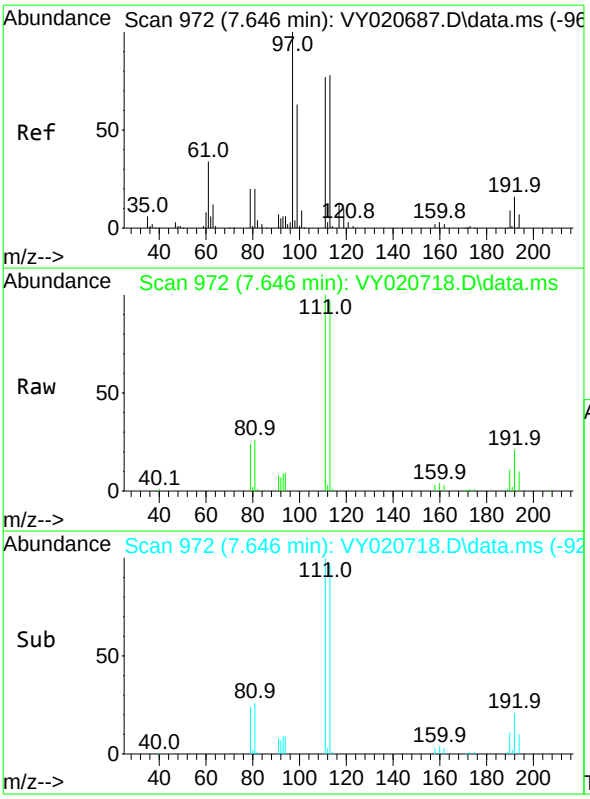


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY020718.D
Acq: 26 Dec 2024 15:41

Tgt Ion:114 Resp: 143334

Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	38.4
88	14.9	0.0	30.4



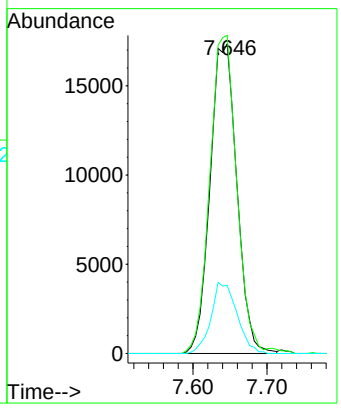


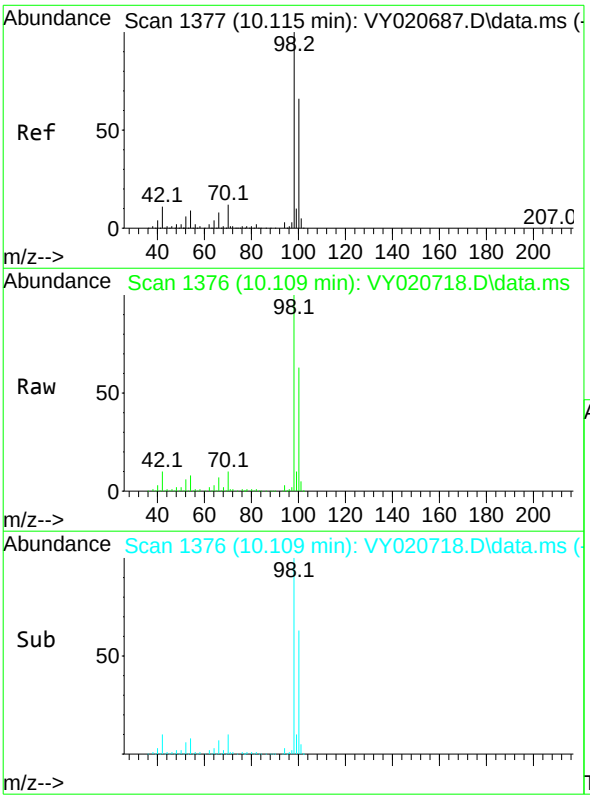
#35
Dibromofluoromethane
Concen: 55.209 ug/l
RT: 7.646 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020718.D
Acq: 26 Dec 2024 15:41

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-1

Tgt Ion:113 Resp: 43588

Ion	Ratio	Lower	Upper
113	100		
111	103.5	79.8	119.8
192	22.3	17.0	25.6

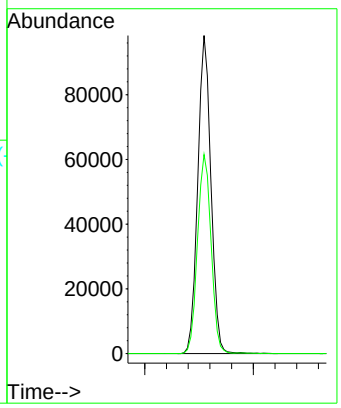


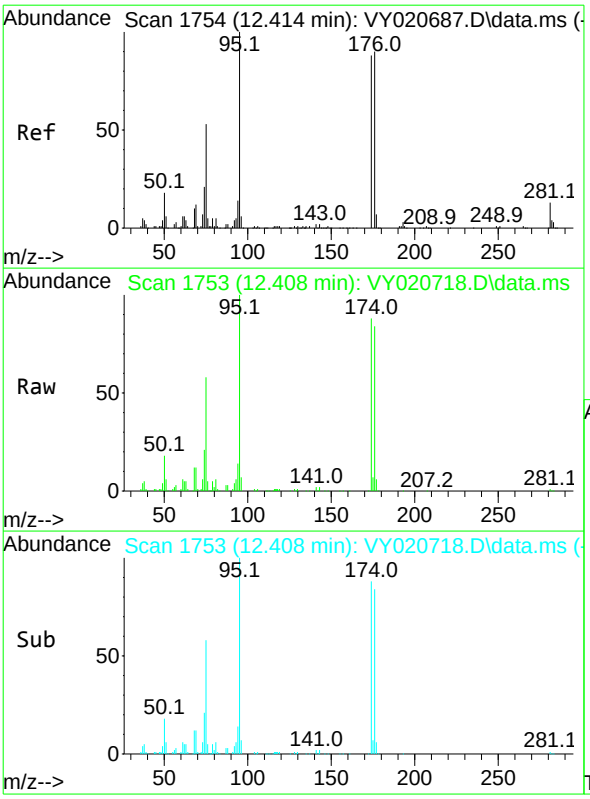


#50
Toluene-d8
Concen: 52.647 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY020718.D
Acq: 26 Dec 2024 15:41

Tgt Ion: 98 Resp: 165584

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.2	78.4



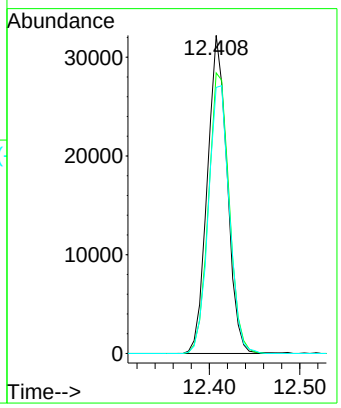


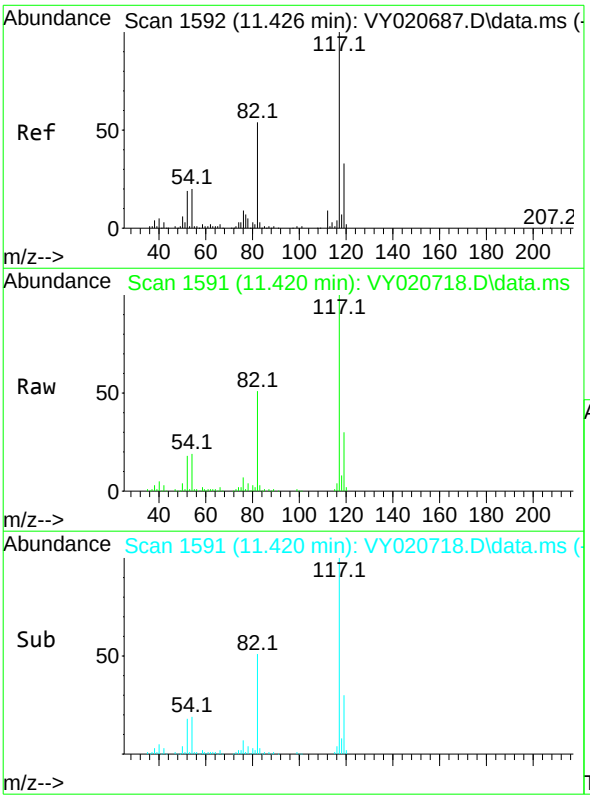
#62
4-Bromofluorobenzene
Concen: 46.703 ug/l
RT: 12.408 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY020718.D
Acq: 26 Dec 2024 15:41

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-1

Tgt Ion: 95 Resp: 49002

Ion	Ratio	Lower	Upper
95	100		
174	92.3	0.0	179.2
176	89.1	0.0	179.8

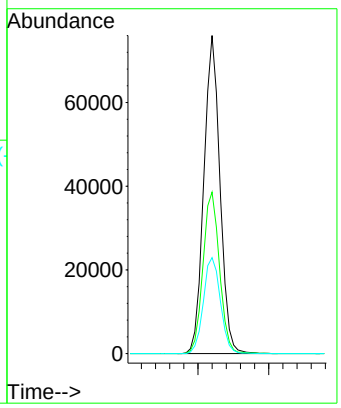


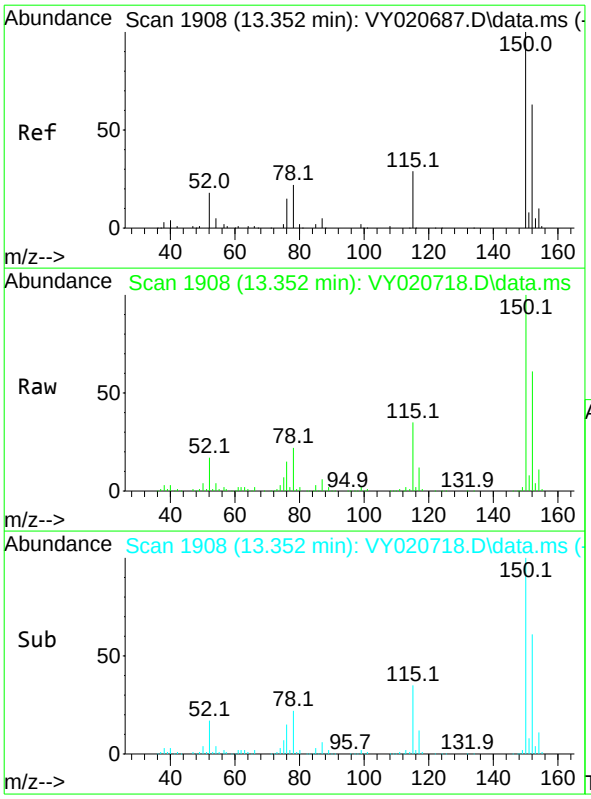


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.006 min
Lab File: VY020718.D
Acq: 26 Dec 2024 15:41

Tgt Ion:117 Resp: 120055

Ion	Ratio	Lower	Upper
117	100		
82	50.8	43.4	65.2
119	30.2	26.6	39.8



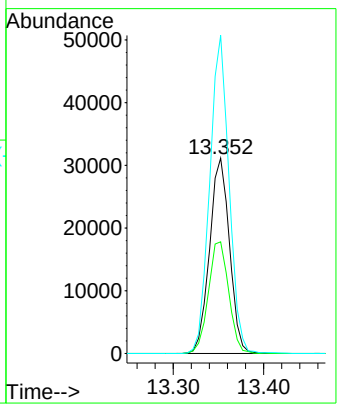


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020718.D
Acq: 26 Dec 2024 15:41

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-1

Tgt Ion:152 Resp: 47762

Ion	Ratio	Lower	Upper
152	100		
115	58.3	30.3	90.9
150	157.5	0.0	349.0



Sample Results: **VY020718.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020718.D
Acq On : 26 Dec 2024 15:41
Operator : SY/MD
Sample : P5316-01
Misc : 5.77g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-1

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Title : SW846 8260

Signal : TIC: VY020718.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.122	384	394	406	rVB	3100	9236	2.13%	0.378%
2	4.628	464	477	486	rBV5	4478	14500	3.34%	0.594%
3	7.640	962	971	977	rBV2	62083	156984	36.15%	6.431%
4	7.713	977	983	996	rVB	124535	275056	63.34%	11.269%
5	8.067	1032	1041	1056	rBV	50487	114131	26.28%	4.676%
6	8.616	1123	1131	1148	rBV	167219	330512	76.11%	13.541%
7	10.109	1368	1376	1385	rBV	252422	434237	100.00%	17.790%
8	11.420	1584	1591	1602	rBV	225252	361831	83.33%	14.824%
9	12.408	1746	1753	1764	rBV	173151	270931	62.39%	11.100%
10	13.206	1881	1884	1892	rVB7	2744	6134	1.41%	0.251%
11	13.352	1894	1908	1914	rVV	185785	289724	66.72%	11.870%
12	13.413	1914	1918	1923	rVB5	2233	4360	1.00%	0.179%
13	13.676	1955	1961	1964	rBV6	2878	5240	1.21%	0.215%
14	13.889	1991	1996	2000	rBV4	2894	5056	1.16%	0.207%
15	14.175	2039	2043	2048	rVV6	4113	6523	1.50%	0.267%
16	14.346	2066	2071	2077	rVB4	5432	7936	1.83%	0.325%
17	14.541	2099	2103	2108	rVB4	4715	6913	1.59%	0.283%
18	14.602	2108	2113	2117	rBV6	5057	9365	2.16%	0.384%
19	14.657	2117	2122	2128	rVB5	12055	19782	4.56%	0.810%
20	14.767	2137	2140	2144	rBV5	8530	15325	3.53%	0.628%
21	14.852	2150	2154	2159	rVB8	4246	7747	1.78%	0.317%
22	14.913	2159	2164	2167	rBV6	2956	5519	1.27%	0.226%
23	14.956	2167	2171	2176	rBV6	4106	8590	1.98%	0.352%
24	15.047	2184	2186	2193	rVB6	6095	11230	2.59%	0.460%
25	15.127	2193	2199	2204	rBV6	12298	20422	4.70%	0.837%
26	15.175	2204	2207	2209	rBV3	5424	7481	1.72%	0.306%
27	15.352	2231	2236	2241	rBV6	5839	8852	2.04%	0.363%
28	15.517	2257	2263	2270	rBV6	7347	13446	3.10%	0.551%
29	16.059	2347	2352	2357	rBV6	4362	7770	1.79%	0.318%
30	16.401	2405	2408	2415	rVB9	3086	6073	1.40%	0.249%

Sum of corrected areas: 2440906

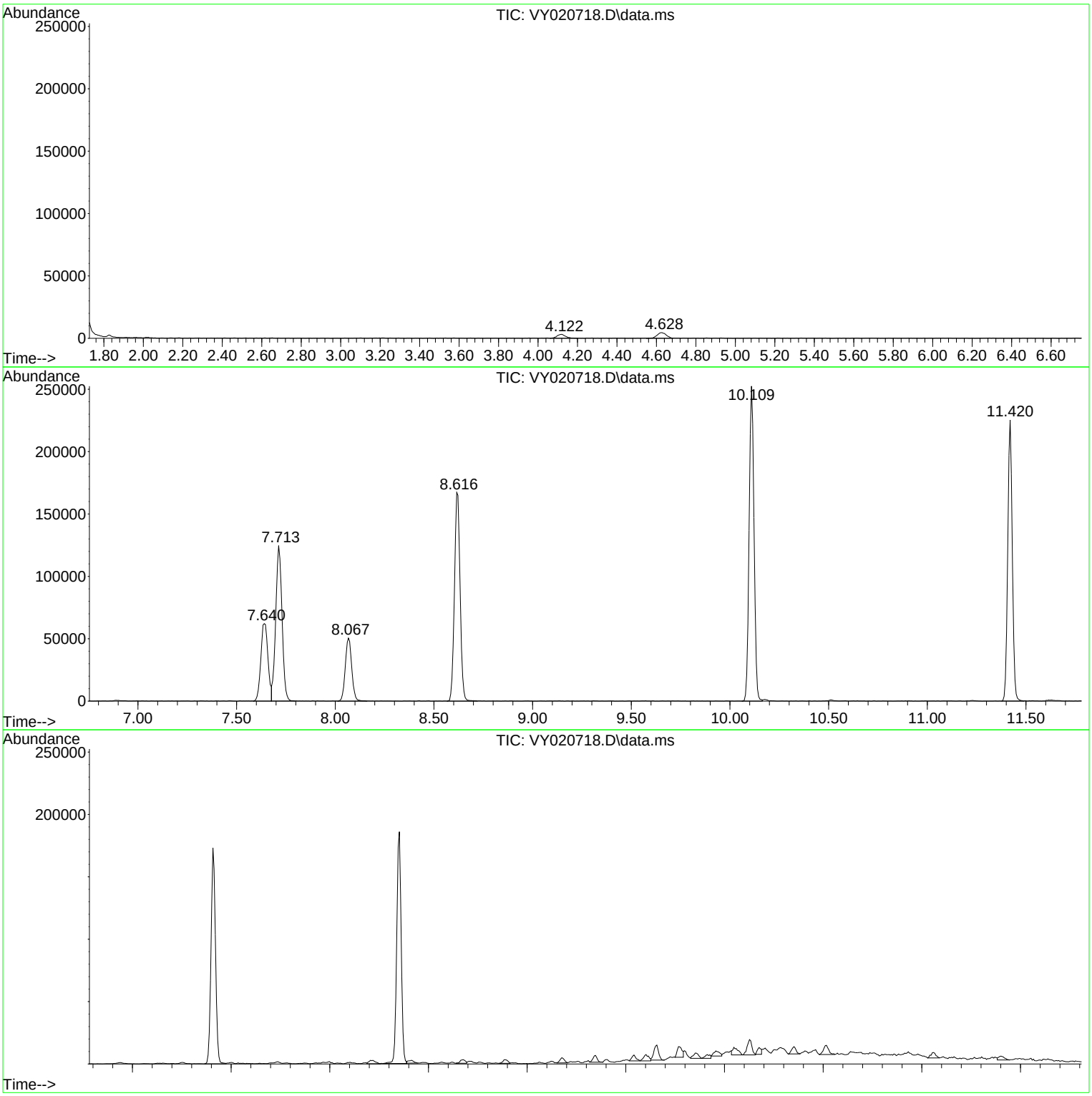
Sample Results: **VY020718.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020718.D
Acq On : 26 Dec 2024 15:41
Operator : SY/MD
Sample : P5316-01
Misc : 5.77g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020718.D
Acq On : 26 Dec 2024 15:41
Operator : SY/MD
Sample : P5316-01
Misc : 5.77g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020718.D
Acq On : 26 Dec 2024 15:41
Operator : SY/MD
Sample : P5316-01
Misc : 5.77g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260

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

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

Raw Data: **VY020720.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/17/24
Project:	CTO WE13	Date Received:	12/17/24
Client Sample ID:	TT-304-IDWSO-20241217-2	SDG No.:	P5316
Lab Sample ID:	P5316-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	74.4
Sample Wt/Vol:	6.2 Units: g	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
VY020720.D	1		12/26/24 16:28	VY122624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-01-4	Vinyl Chloride	2.70	U	0.83	2.70	5.40	ug/Kg
75-35-4	1,1-Dichloroethene	2.70	U	0.85	2.70	5.40	ug/Kg
67-64-1	Acetone	22.8	J	6.80	21.7	27.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.70	U	0.73	2.70	5.40	ug/Kg
75-09-2	Methylene Chloride	14.3		3.70	8.70	10.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.70	U	0.91	2.70	5.40	ug/Kg
75-34-3	1,1-Dichloroethane	2.70	U	0.68	2.70	5.40	ug/Kg
78-93-3	2-Butanone	21.7	U	6.20	21.7	27.1	ug/Kg
56-23-5	Carbon Tetrachloride	2.70	U	0.94	2.70	5.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.70	U	0.66	2.70	5.40	ug/Kg
67-66-3	Chloroform	4.30	U	0.73	4.30	5.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.70	U	0.85	2.70	5.40	ug/Kg
71-43-2	Benzene	2.70	U	0.78	2.70	5.40	ug/Kg
107-06-2	1,2-Dichloroethane	2.70	U	0.66	2.70	5.40	ug/Kg
79-01-6	Trichloroethene	2.70	U	0.81	2.70	5.40	ug/Kg
108-88-3	Toluene	2.70	U	0.73	2.70	5.40	ug/Kg
127-18-4	Tetrachloroethene	2.70	U	0.96	2.70	5.40	ug/Kg
108-90-7	Chlorobenzene	2.70	U	0.80	2.70	5.40	ug/Kg
100-41-4	Ethyl Benzene	2.70	U	0.67	2.70	5.40	ug/Kg
1330-20-7	Total Xylenes	8.10	U	2.26	8.10	16.2	ug/Kg
103-65-1	n-propylbenzene	2.70	U	0.69	2.70	5.40	ug/Kg
98-06-6	tert-Butylbenzene	2.70	U	0.73	2.70	5.40	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	2.70	U	1.50	2.70	5.40	ug/Kg
135-98-8	sec-Butylbenzene	2.70	U	0.73	2.70	5.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.70	U	0.80	2.70	5.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.70	U	0.87	2.70	5.40	ug/Kg
104-51-8	n-Butylbenzene	2.70	U	0.68	2.70	5.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.70	U	0.64	2.70	5.40	ug/Kg
123-91-1	1,4-Dioxane	86.7	U	46.1	86.7	110	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	58.7		71 - 136		117%	SPK: 50

Raw Data: **VY020720.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/17/24
Project:	CTO WE13	Date Received:	12/17/24
Client Sample ID:	TT-304-IDWSO-20241217-2	SDG No.:	P5316
Lab Sample ID:	P5316-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	74.4
Sample Wt/Vol:	6.2 Units: g	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
VY020720.D	1		12/26/24 16:28	VY122624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1868-53-7	Dibromofluoromethane	55.8		78 - 119		112%	SPK: 50
2037-26-5	Toluene-d8	52.4		85 - 116		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		79 - 119		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	90600	7.713				
540-36-3	1,4-Difluorobenzene	141000	8.621				
3114-55-4	Chlorobenzene-d5	117000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	47300	13.352				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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

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

Sample Results: **VY020720.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020720.D
Acq On : 26 Dec 2024 16:28
Operator : SY/MD
Sample : P5316-02
Misc : 6.20g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-2

Quant Time: Dec 27 00:34:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	90592	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.621	114	140817	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	117470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	47280	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	43539	58.675	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.360%			
35) Dibromofluoromethane	7.640	113	43269	55.785	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.560%			
50) Toluene-d8	10.109	98	161876	52.396	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.800%			
62) 4-Bromofluorobenzene	12.407	95	49426	47.949	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 95.900%			
Target Compounds						Qvalue
16) Acetone	3.878	43	1984	21.076	ug/l #	83
17) Carbon Disulfide	4.116	76	6974	4.592	ug/l #	94
20) Methylene Chloride	4.622	84	8099	13.229	ug/l #	80

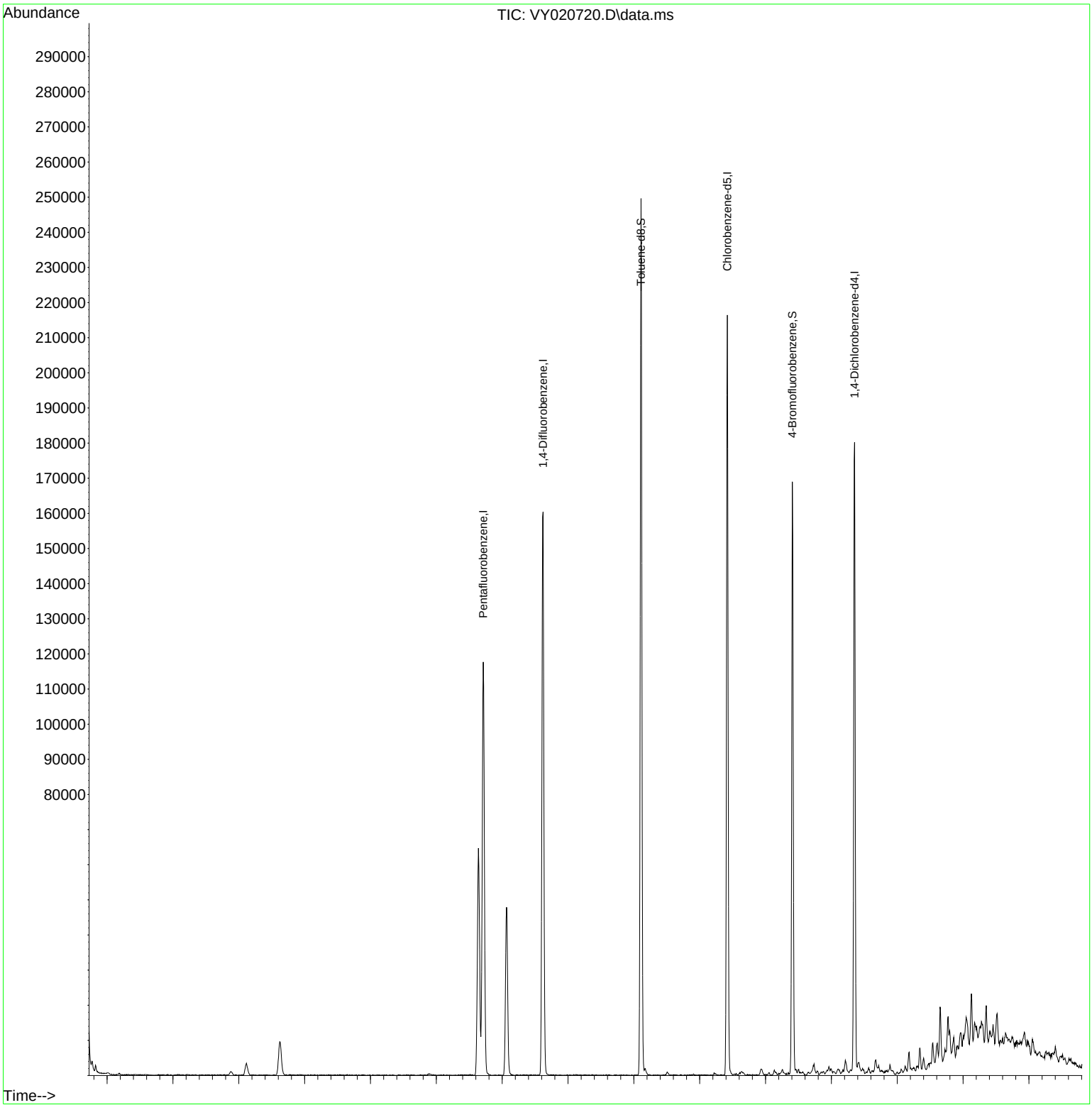
(#) = qualifier out of range (m) = manual integration (+) = signals summed

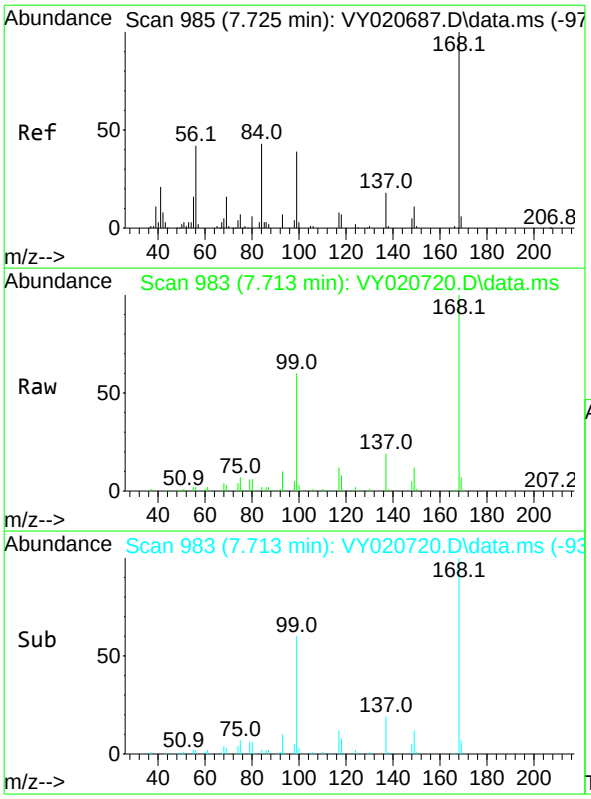
Sample Results: **VY020720.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020720.D
Acq On : 26 Dec 2024 16:28
Operator : SY/MD
Sample : P5316-02
Misc : 6.20g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-2

Quant Time: Dec 27 00:34:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration



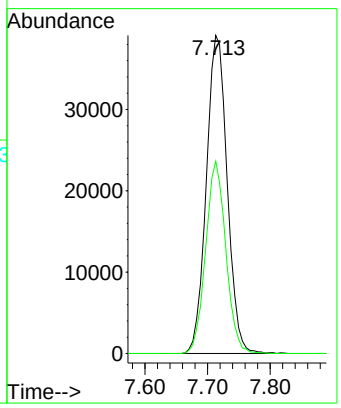


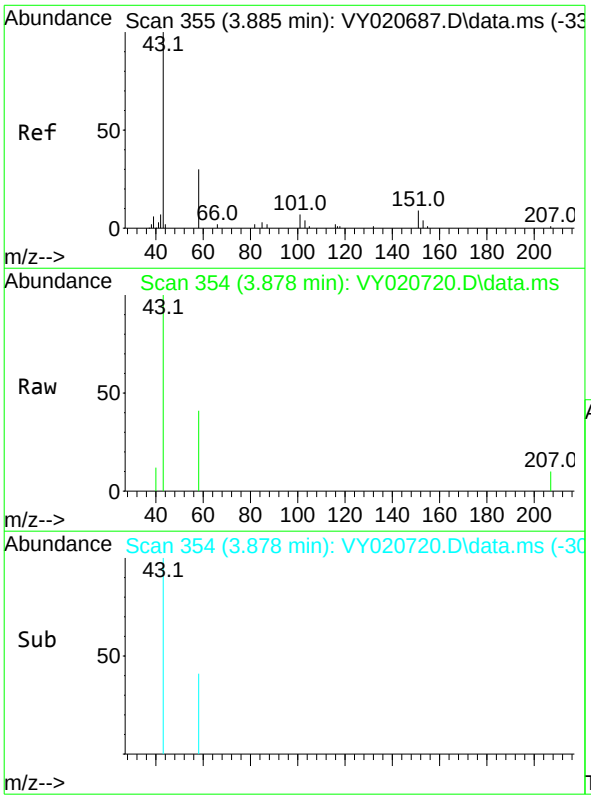
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.012 min
Lab File: VY020720.D
Acq: 26 Dec 2024 16:28

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-2

Tgt Ion:168 Resp: 90592

Ion	Ratio	Lower	Upper
168	100		
99	60.4	43.8	65.6

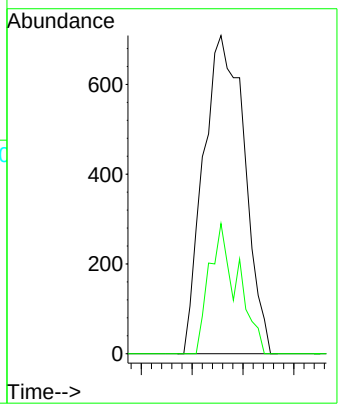


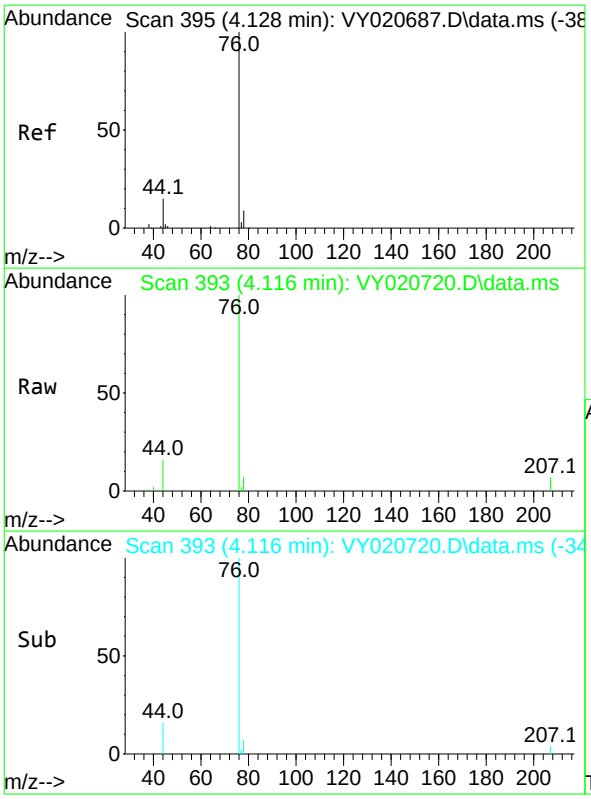


#16
Acetone
Concen: 21.076 ug/l
RT: 3.878 min Scan# 354
Delta R.T. -0.007 min
Lab File: VY020720.D
Acq: 26 Dec 2024 16:28

Tgt Ion: 43 Resp: 1984

Ion	Ratio	Lower	Upper
43	100		
58	40.9	25.0	37.6#



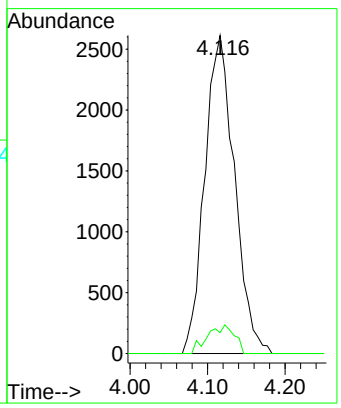


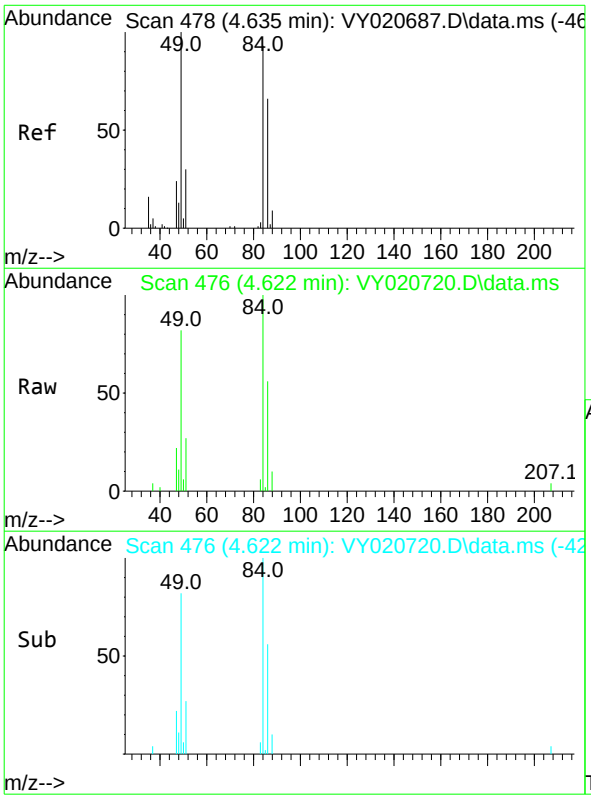
#17
Carbon Disulfide
Concen: 4.592 ug/l
RT: 4.116 min Scan# 39
Delta R.T. -0.012 min
Lab File: VY020720.D
Acq: 26 Dec 2024 16:28

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-2

Tgt Ion: 76 Resp: 6974

Ion	Ratio	Lower	Upper
76	100		
78	6.6	6.9	10.3#

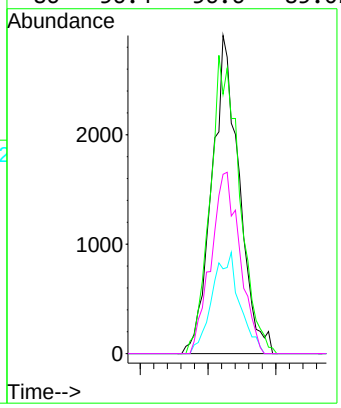


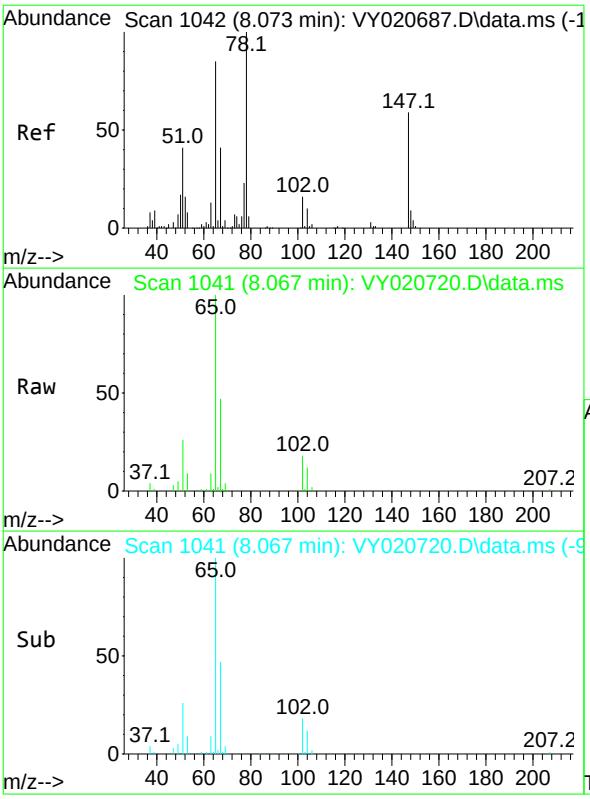


#20
Methylene Chloride
Concen: 13.229 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.013 min
Lab File: VY020720.D
Acq: 26 Dec 2024 16:28

Tgt Ion: 84 Resp: 8099

Ion	Ratio	Lower	Upper
84	100		
49	81.5	86.4	129.6#
51	26.7	25.5	38.3
86	56.4	56.6	85.0#



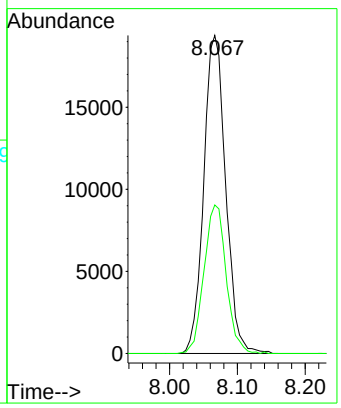


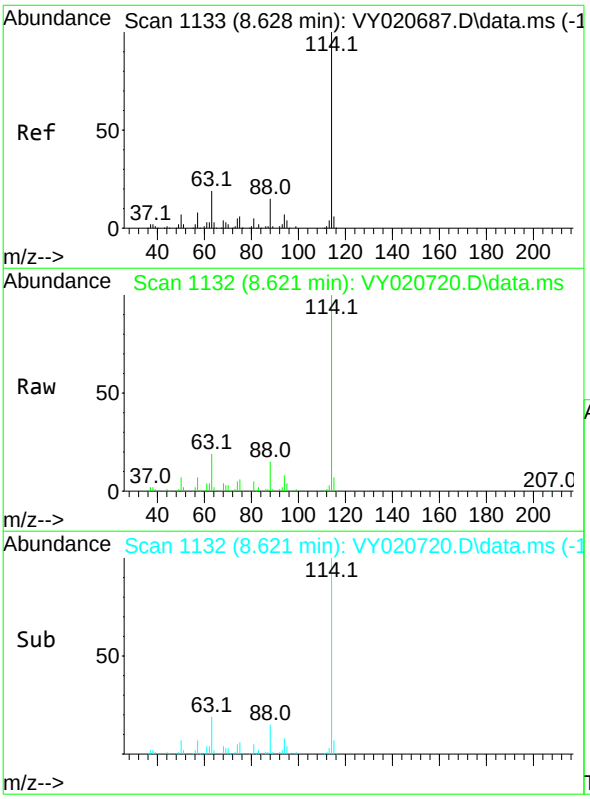
#33
1,2-Dichloroethane-d4
Concen: 58.675 ug/l
RT: 8.067 min Scan# 10
Delta R.T. -0.006 min
Lab File: VY020720.D
Acq: 26 Dec 2024 16:28

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-2

Tgt Ion: 65 Resp: 43539

Ion	Ratio	Lower	Upper
65	100		
67	47.3	0.0	98.0

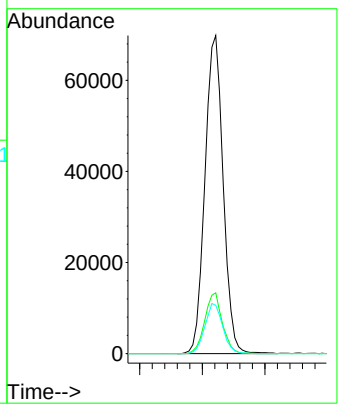


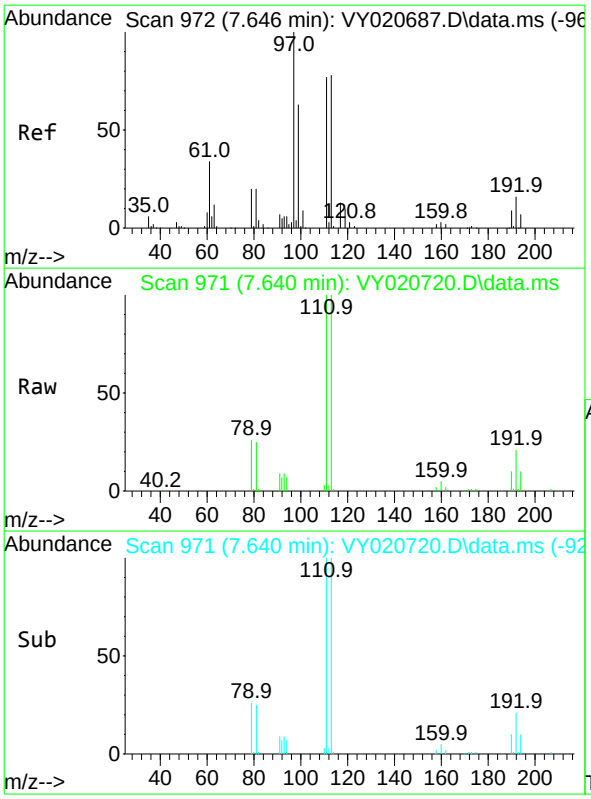


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 1132
Delta R.T. -0.007 min
Lab File: VY020720.D
Acq: 26 Dec 2024 16:28

Tgt Ion:114 Resp: 140817

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	38.4
88	15.2	0.0	30.4



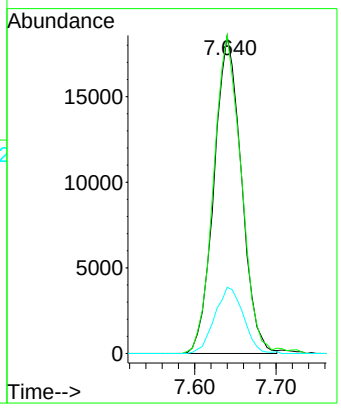


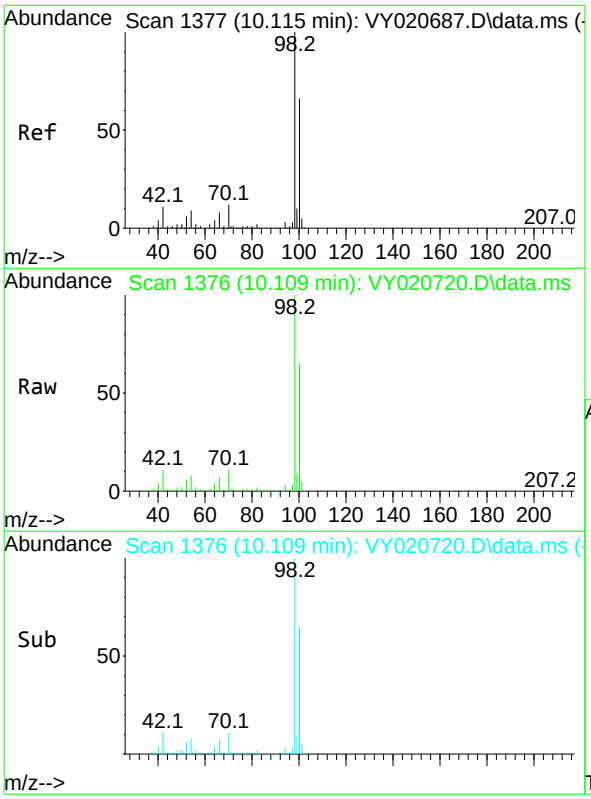
#35
Dibromofluoromethane
Concen: 55.785 ug/l
RT: 7.640 min Scan# 97
Delta R.T. -0.006 min
Lab File: VY020720.D
Acq: 26 Dec 2024 16:28

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-2

Tgt Ion:113 Resp: 43269

Ion	Ratio	Lower	Upper
113	100		
111	102.0	79.8	119.8
192	21.9	17.0	25.6

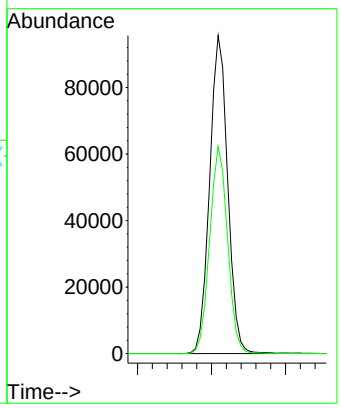


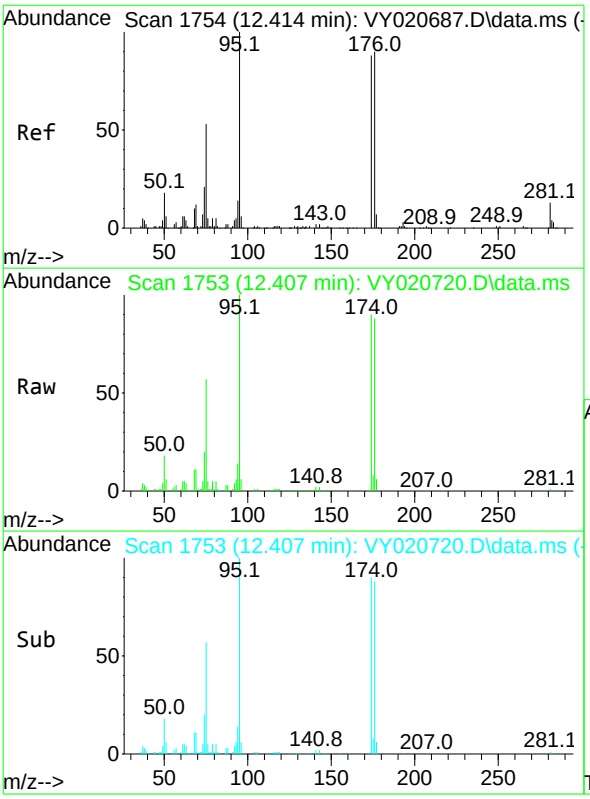


#50
Toluene-d8
Concen: 52.396 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY020720.D
Acq: 26 Dec 2024 16:28

Tgt Ion: 98 Resp: 161876

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.4



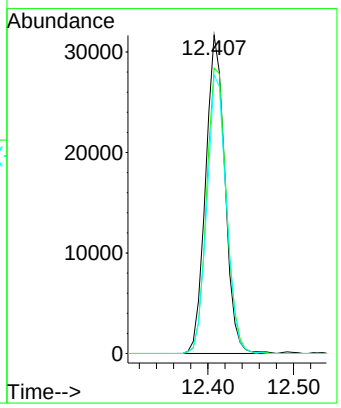


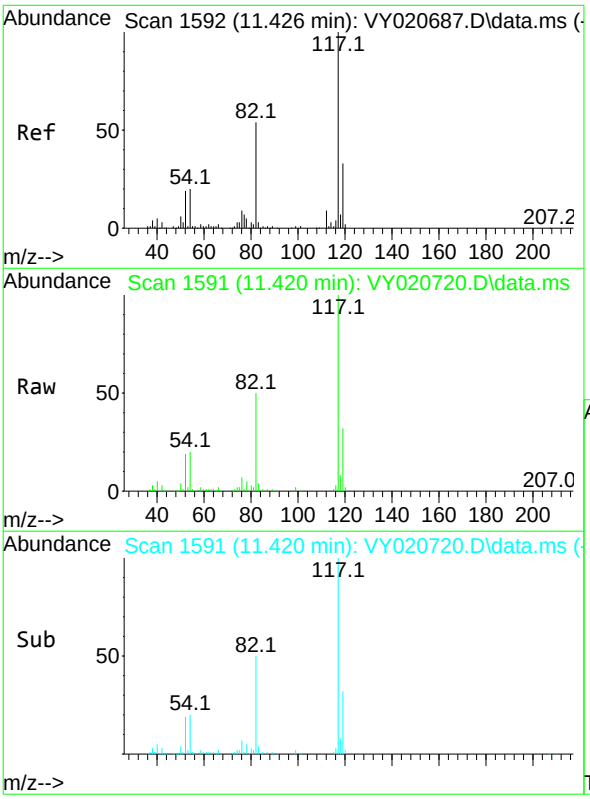
#62
4-Bromofluorobenzene
Concen: 47.949 ug/l
RT: 12.407 min Scan# 17
Delta R.T. -0.007 min
Lab File: VY020720.D
Acq: 26 Dec 2024 16:28

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-2

Tgt Ion: 95 Resp: 49426

Ion	Ratio	Lower	Upper
95	100		
174	92.3	0.0	179.2
176	88.4	0.0	179.8

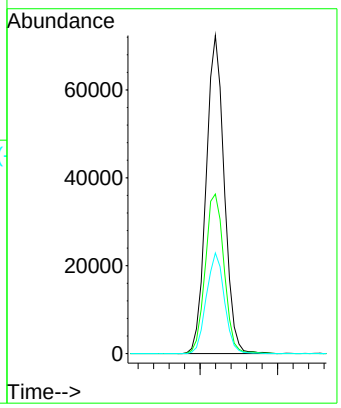


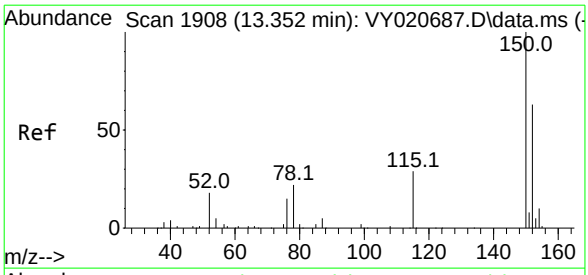


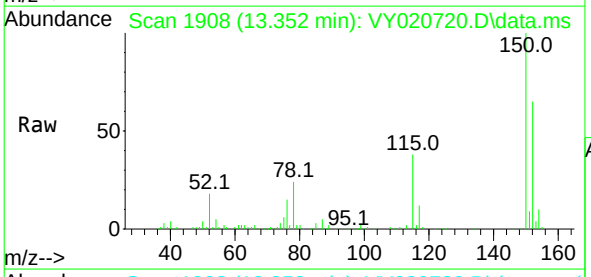
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.006 min
Lab File: VY020720.D
Acq: 26 Dec 2024 16:28

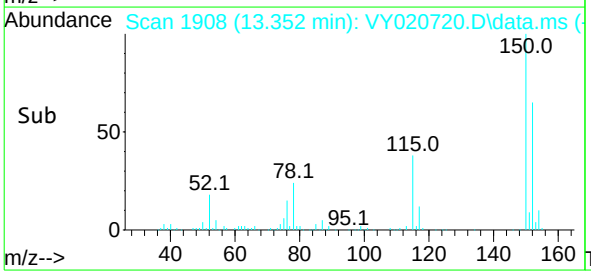
Tgt Ion:117 Resp: 117470

Ion	Ratio	Lower	Upper
117	100		
82	50.2	43.4	65.2
119	31.6	26.6	39.8







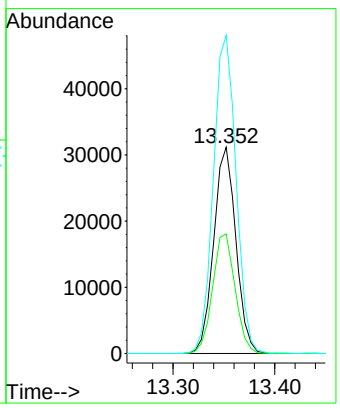


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020720.D
Acq: 26 Dec 2024 16:28

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-2

Tgt Ion:152 Resp: 47280

Ion	Ratio	Lower	Upper
152	100		
115	58.8	30.3	90.9
150	157.4	0.0	349.0



Sample Results: **VY020720.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020720.D
Acq On : 26 Dec 2024 16:28
Operator : SY/MD
Sample : P5316-02
Misc : 6.20g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-2

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Title : SW846 8260

Signal : TIC: VY020720.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.116	384	393	402	rVB	3425	9311	2.20%	0.376%
2	4.622	465	476	490	rBV3	9584	29803	7.04%	1.202%
3	7.640	961	971	977	rBV	64659	154426	36.49%	6.228%
4	7.713	977	983	997	rVB	117505	266706	63.03%	10.756%
5	8.067	1030	1041	1055	rBV2	47899	109015	25.76%	4.397%
6	8.621	1122	1132	1148	rBV	160365	324582	76.71%	13.090%
7	10.109	1368	1376	1384	rBV	249476	423156	100.00%	17.066%
8	11.420	1584	1591	1604	rBV	216323	353564	83.55%	14.259%
9	11.932	1664	1675	1683	rBV6	1784	4812	1.14%	0.194%
10	12.407	1746	1753	1760	rBV	168572	266972	63.09%	10.767%
11	12.737	1797	1807	1812	rBV8	2710	5920	1.40%	0.239%
12	13.212	1881	1885	1894	rVB8	3552	6917	1.63%	0.279%
13	13.352	1901	1908	1914	rBV	178750	280318	66.24%	11.305%
14	13.419	1914	1919	1925	rVB7	2450	5221	1.23%	0.211%
15	13.675	1955	1961	1965	rBV5	3425	6802	1.61%	0.274%
16	14.181	2039	2044	2047	rBV4	5445	8548	2.02%	0.345%
17	14.340	2067	2070	2076	rVB5	6230	9396	2.22%	0.379%
18	14.401	2076	2080	2086	rVB6	3296	5461	1.29%	0.220%
19	14.541	2099	2103	2107	rBV5	5870	8731	2.06%	0.352%
20	14.608	2108	2114	2117	rBV7	5464	10146	2.40%	0.409%
21	14.651	2117	2121	2127	rVB4	15574	24820	5.87%	1.001%
22	14.724	2127	2133	2134	rBV5	3529	4419	1.04%	0.178%
23	14.773	2136	2141	2143	rBV5	10018	14882	3.52%	0.600%
24	14.858	2150	2155	2159	rVB6	5643	10032	2.37%	0.405%
25	14.919	2160	2165	2167	rBV6	2834	5377	1.27%	0.217%
26	14.962	2167	2172	2176	rVV7	4711	9641	2.28%	0.389%
27	15.047	2182	2186	2194	rVB8	7739	18773	4.44%	0.757%
28	15.126	2194	2199	2203	rBV5	14427	22675	5.36%	0.914%
29	15.175	2203	2207	2211	rBV6	5283	10312	2.44%	0.416%
30	15.352	2231	2236	2241	rBV4	10501	15314	3.62%	0.618%
31	15.413	2242	2246	2249	rVV5	3397	6624	1.57%	0.267%
32	15.456	2251	2253	2257	rVV5	5609	6848	1.62%	0.276%
33	15.517	2257	2263	2269	rVB8	9021	18360	4.34%	0.740%
34	15.645	2280	2284	2287	rBV6	3043	5226	1.24%	0.211%
35	16.053	2347	2351	2358	rBV7	4470	8987	2.12%	0.362%
36	16.400	2406	2408	2416	rVB8	4410	7457	1.76%	0.301%

Sample Results: **VY020720.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020720.D
Acq On : 26 Dec 2024 16:28
Operator : SY/MD
Sample : P5316-02
Misc : 6.20g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-2

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Title : SW846 8260

Sum of corrected areas: 2479554

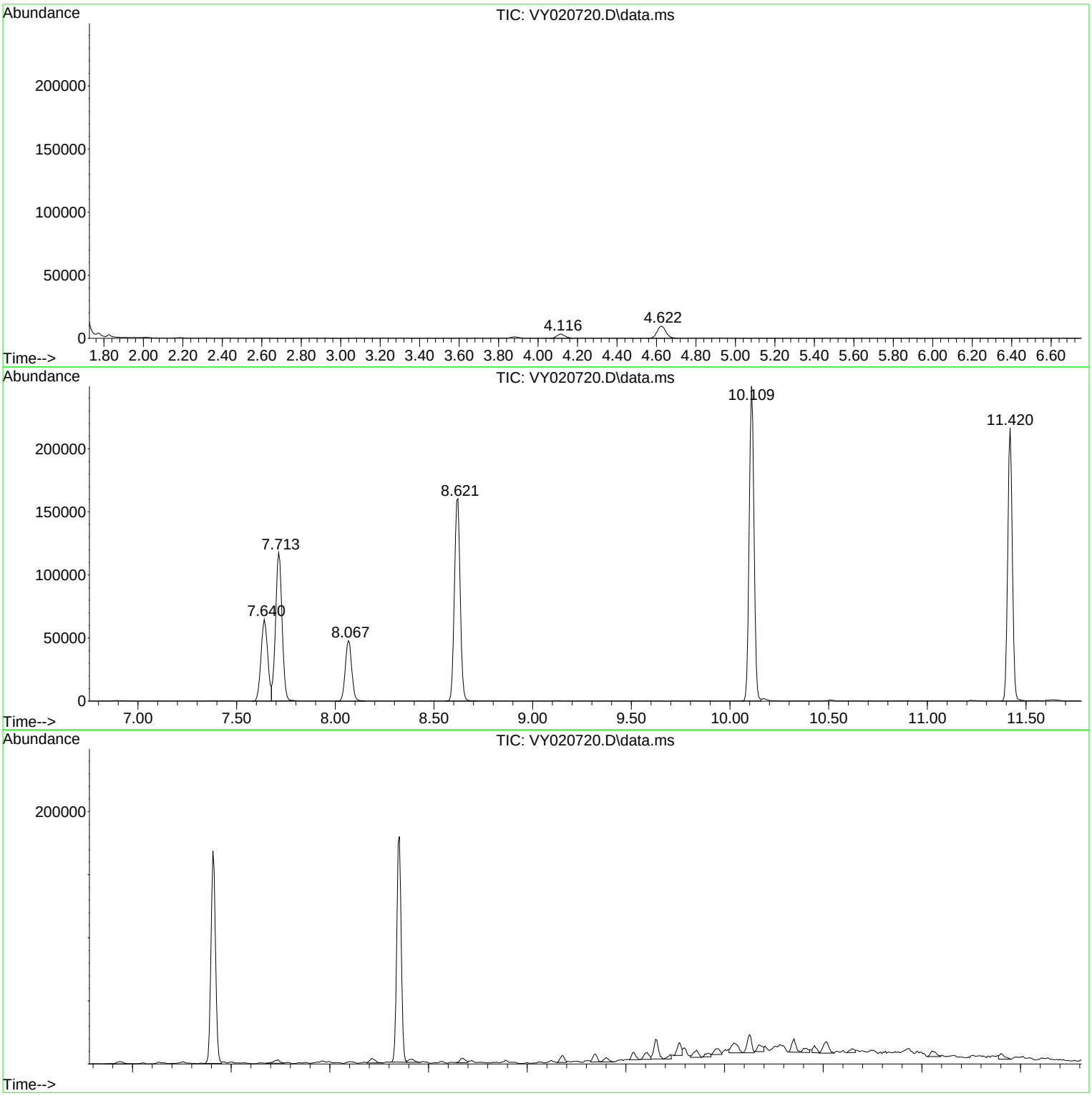
Sample Results: **VY020720.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020720.D
Acq On : 26 Dec 2024 16:28
Operator : SY/MD
Sample : P5316-02
Misc : 6.20g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY020720.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020720.D
Acq On : 26 Dec 2024 16:28
Operator : SY/MD
Sample : P5316-02
Misc : 6.20g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020720.D
Acq On : 26 Dec 2024 16:28
Operator : SY/MD
Sample : P5316-02
Misc : 6.20g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260

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

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

Raw Data: **VY020722.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/17/24
Project:	CTO WE13	Date Received:	12/17/24
Client Sample ID:	TT-304-IDWSO-20241217-3	SDG No.:	P5316
Lab Sample ID:	P5316-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	78.8
Sample Wt/Vol:	5.91 Units: g	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
VY020722.D	1		12/26/24 17:15	VY122624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-01-4	Vinyl Chloride	2.70	U	0.83	2.70	5.40	ug/Kg
75-35-4	1,1-Dichloroethene	2.70	U	0.84	2.70	5.40	ug/Kg
67-64-1	Acetone	21.5	U	6.70	21.5	26.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.70	U	0.72	2.70	5.40	ug/Kg
75-09-2	Methylene Chloride	8.60	U	3.70	8.60	10.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.70	U	0.90	2.70	5.40	ug/Kg
75-34-3	1,1-Dichloroethane	2.70	U	0.68	2.70	5.40	ug/Kg
78-93-3	2-Butanone	21.5	U	6.10	21.5	26.8	ug/Kg
56-23-5	Carbon Tetrachloride	2.70	U	0.93	2.70	5.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.70	U	0.65	2.70	5.40	ug/Kg
67-66-3	Chloroform	4.30	U	0.72	4.30	5.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.70	U	0.84	2.70	5.40	ug/Kg
71-43-2	Benzene	2.70	U	0.77	2.70	5.40	ug/Kg
107-06-2	1,2-Dichloroethane	2.70	U	0.65	2.70	5.40	ug/Kg
79-01-6	Trichloroethene	2.70	U	0.81	2.70	5.40	ug/Kg
108-88-3	Toluene	2.70	U	0.72	2.70	5.40	ug/Kg
127-18-4	Tetrachloroethene	2.70	U	0.96	2.70	5.40	ug/Kg
108-90-7	Chlorobenzene	2.70	U	0.79	2.70	5.40	ug/Kg
100-41-4	Ethyl Benzene	2.70	U	0.67	2.70	5.40	ug/Kg
1330-20-7	Total Xylenes	8.10	U	2.15	8.10	16.1	ug/Kg
103-65-1	n-propylbenzene	2.70	U	0.69	2.70	5.40	ug/Kg
98-06-6	tert-Butylbenzene	2.70	U	0.72	2.70	5.40	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	2.70	U	1.50	2.70	5.40	ug/Kg
135-98-8	sec-Butylbenzene	2.70	U	0.72	2.70	5.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.70	U	0.79	2.70	5.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.70	U	0.86	2.70	5.40	ug/Kg
104-51-8	n-Butylbenzene	2.70	U	0.68	2.70	5.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.70	U	0.63	2.70	5.40	ug/Kg
123-91-1	1,4-Dioxane	85.9	U	45.6	85.9	110	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.9		71 - 136		112%	SPK: 50

Raw Data: **VY020722.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/17/24
Project:	CTO WE13	Date Received:	12/17/24
Client Sample ID:	TT-304-IDWSO-20241217-3	SDG No.:	P5316
Lab Sample ID:	P5316-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	78.8
Sample Wt/Vol:	5.91 Units: g	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
VY020722.D	1		12/26/24 17:15	VY122624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1868-53-7	Dibromofluoromethane	54.7		78 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	52.6		85 - 116		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.2		79 - 119		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	95000	7.713				
540-36-3	1,4-Difluorobenzene	149000	8.616				
3114-55-4	Chlorobenzene-d5	128000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	55500	13.353				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020722.D
Acq On : 26 Dec 2024 17:15
Operator : SY/MD
Sample : P5316-03
Misc : 5.91g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-3

Quant Time: Dec 27 00:34:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	95048	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.616	114	149227	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	128468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	55512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	43540	55.926	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.860%			
35) Dibromofluoromethane	7.640	113	44935	54.668	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.340%			
50) Toluene-d8	10.109	98	172379	52.643	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.280%			
62) 4-Bromofluorobenzene	12.408	95	53781	49.234	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 98.460%			
Target Compounds						Qvalue
17) Carbon Disulfide	4.104	76	2504	1.571	ug/l	96

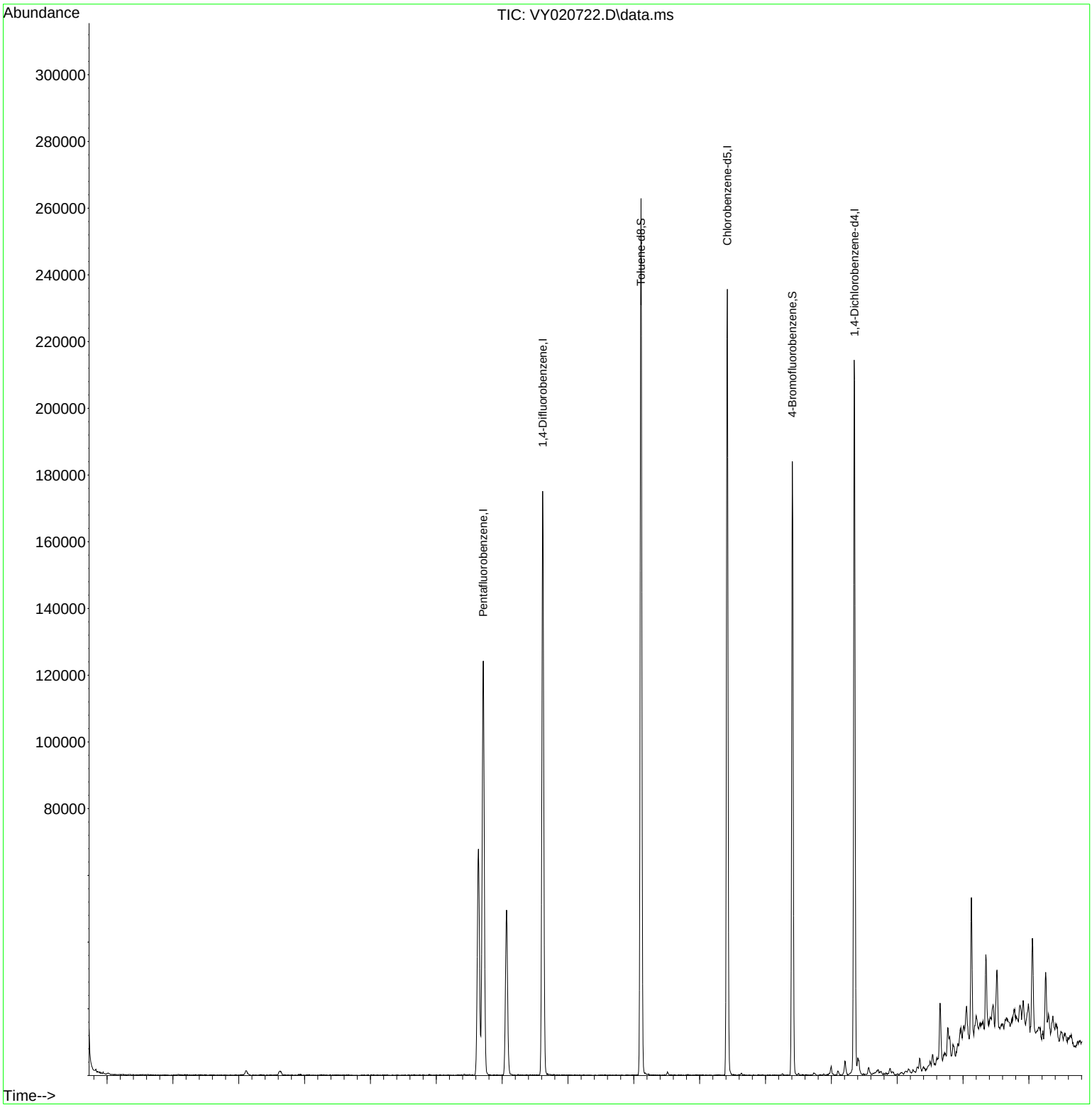
(#) = qualifier out of range (m) = manual integration (+) = signals summed

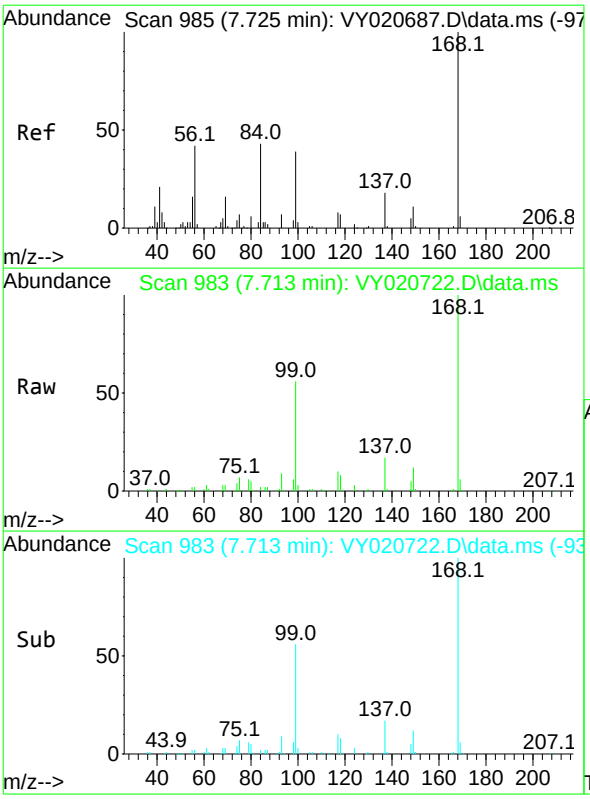
Sample Results: **VY020722.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020722.D
Acq On : 26 Dec 2024 17:15
Operator : SY/MD
Sample : P5316-03
Misc : 5.91g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-3

Quant Time: Dec 27 00:34:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration



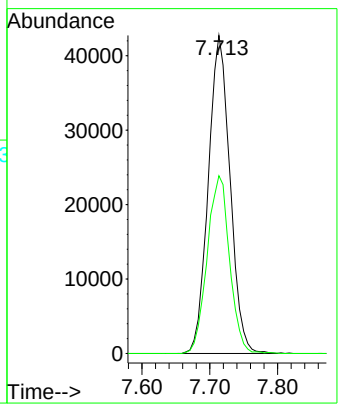


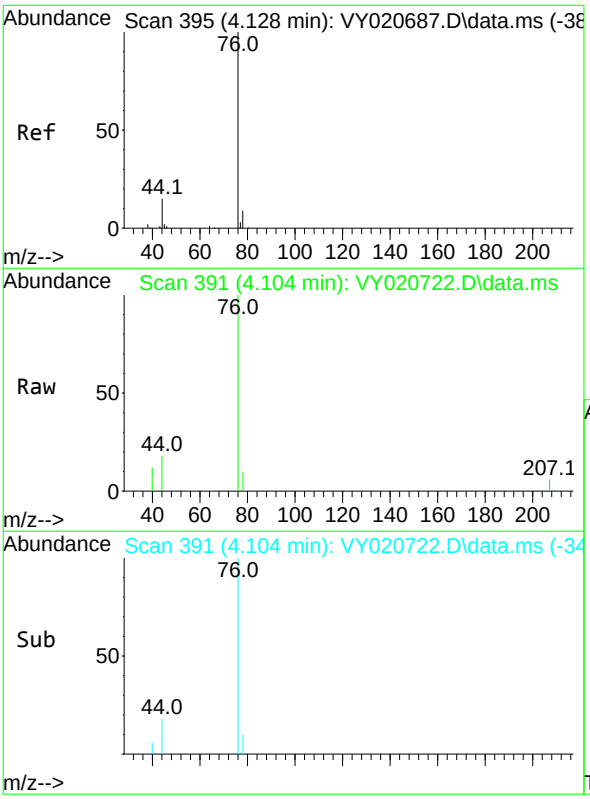
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.012 min
Lab File: VY020722.D
Acq: 26 Dec 2024 17:15

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-3

Tgt Ion:168 Resp: 95048

Ion	Ratio	Lower	Upper
168	100		
99	55.9	43.8	65.6

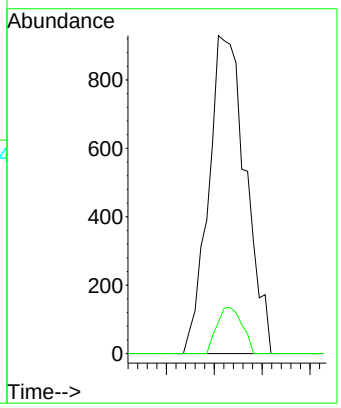


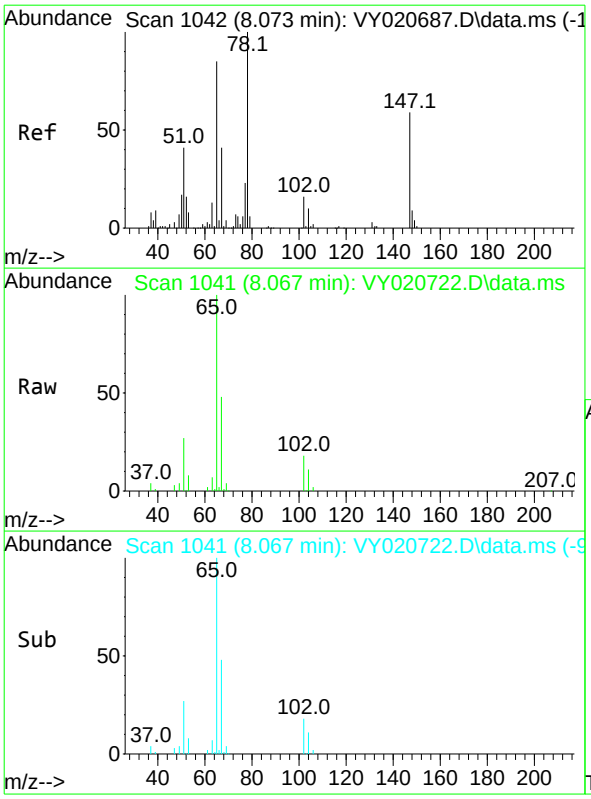


#17
Carbon Disulfide
Concen: 1.571 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.024 min
Lab File: VY020722.D
Acq: 26 Dec 2024 17:15

Tgt Ion: 76 Resp: 2504

Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.9	10.3



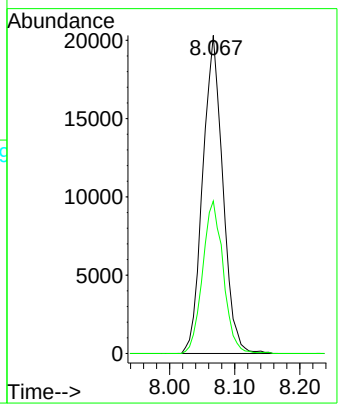


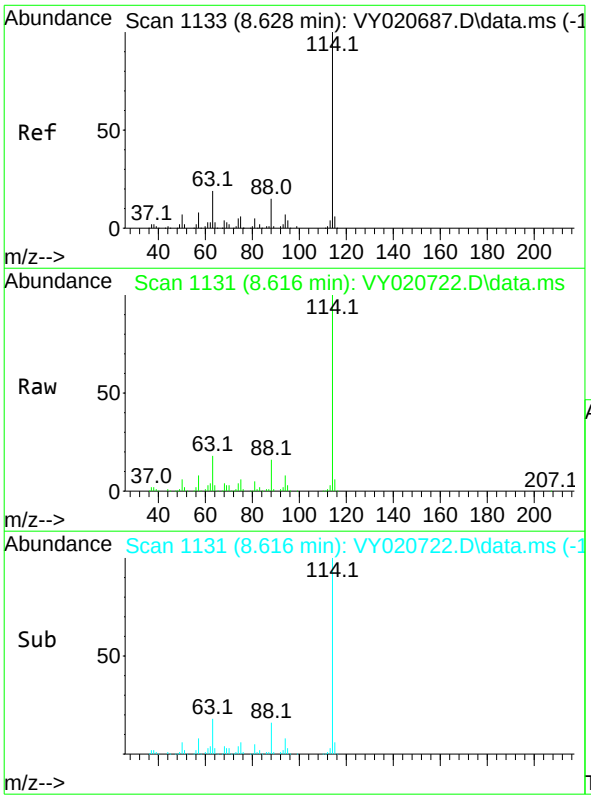
#33
1,2-Dichloroethane-d4
Concen: 55.926 ug/l
RT: 8.067 min Scan# 10
Delta R.T. -0.006 min
Lab File: VY020722.D
Acq: 26 Dec 2024 17:15

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-3

Tgt Ion: 65 Resp: 43540

Ion	Ratio	Lower	Upper
65	100		
67	49.2	0.0	98.0

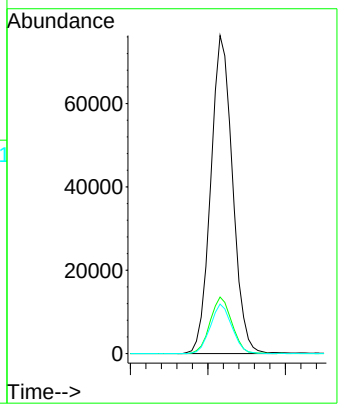


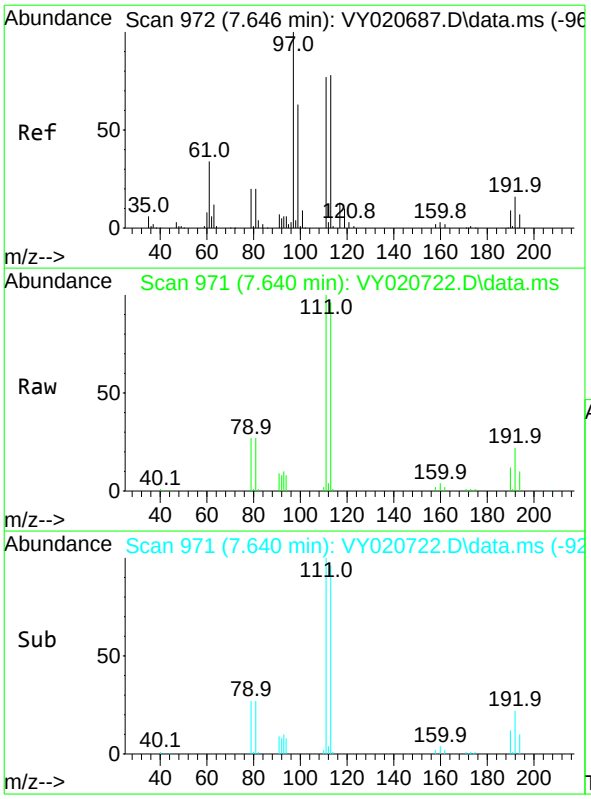


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.012 min
Lab File: VY020722.D
Acq: 26 Dec 2024 17:15

Tgt Ion:114 Resp: 149227

Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	38.4
88	15.6	0.0	30.4



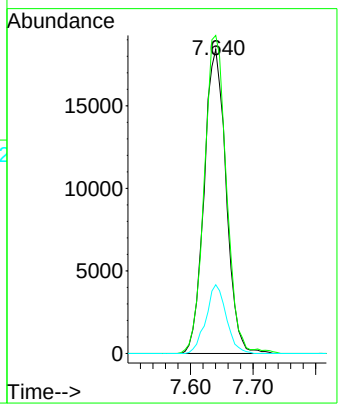


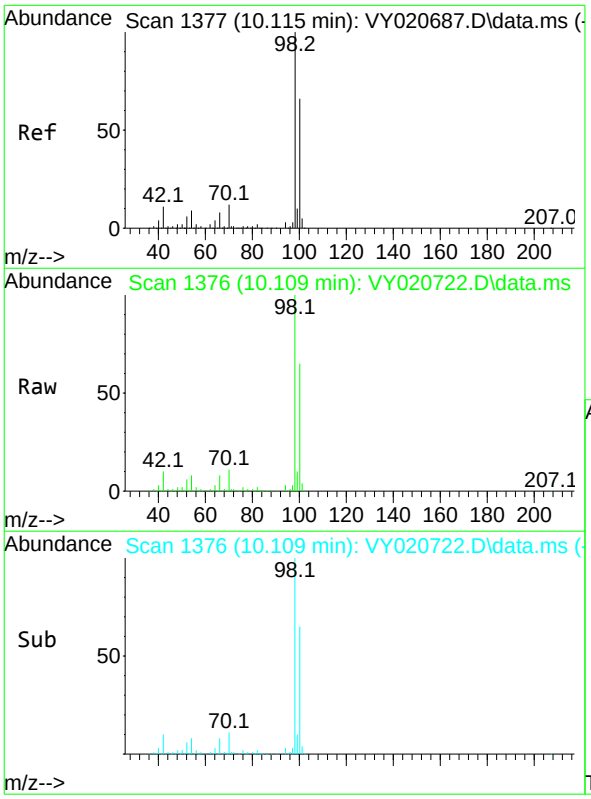
#35
Dibromofluoromethane
Concen: 54.668 ug/l
RT: 7.640 min Scan# 97
Delta R.T. -0.006 min
Lab File: VY020722.D
Acq: 26 Dec 2024 17:15

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-3

Tgt Ion:113 Resp: 44935

Ion	Ratio	Lower	Upper
113	100		
111	105.5	79.8	119.8
192	20.9	17.0	25.6

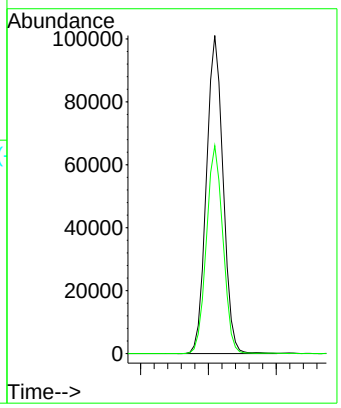


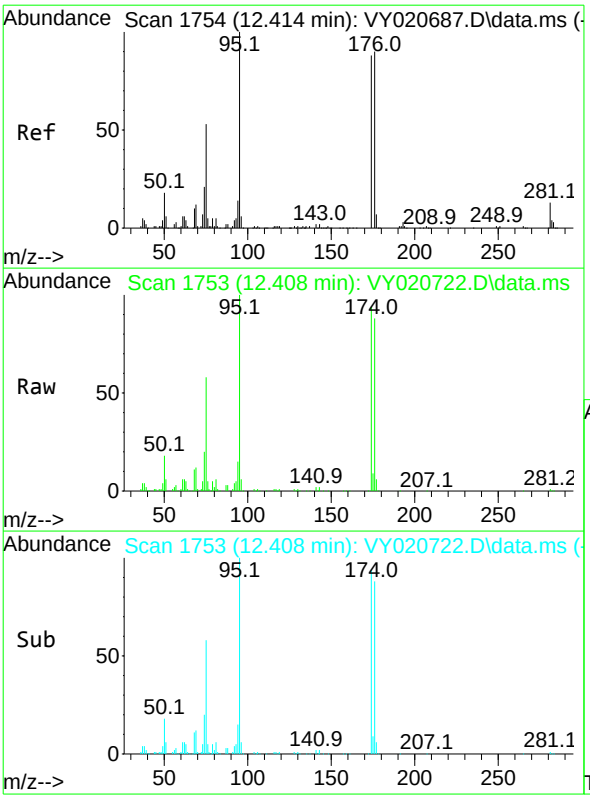


#50
Toluene-d8
Concen: 52.643 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY020722.D
Acq: 26 Dec 2024 17:15

Tgt Ion: 98 Resp: 172379

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.4



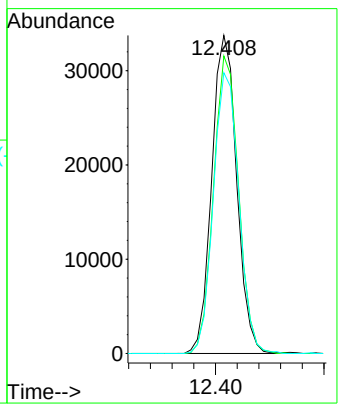


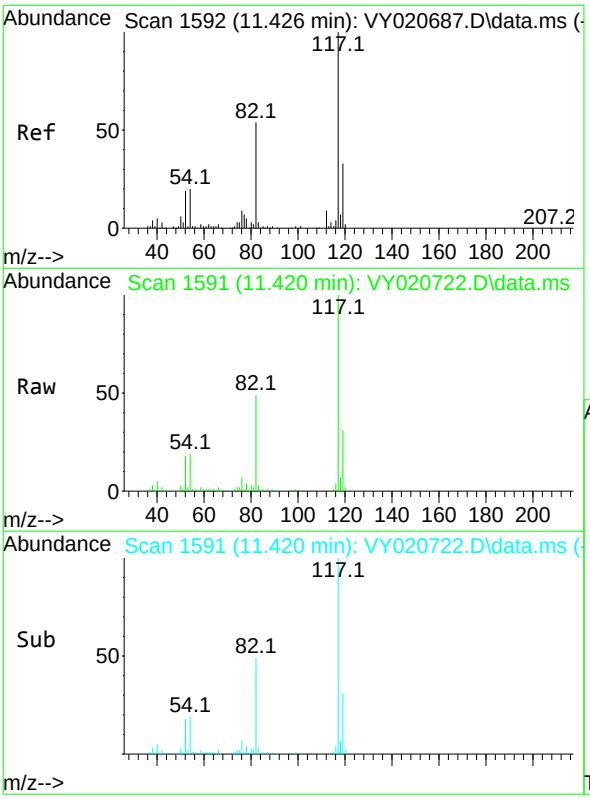
#62
4-Bromofluorobenzene
Concen: 49.234 ug/l
RT: 12.408 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY020722.D
Acq: 26 Dec 2024 17:15

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-3

Tgt Ion: 95 Resp: 53781

Ion	Ratio	Lower	Upper
95	100		
174	93.6	0.0	179.2
176	90.3	0.0	179.8

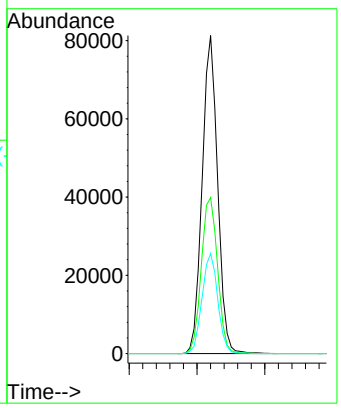


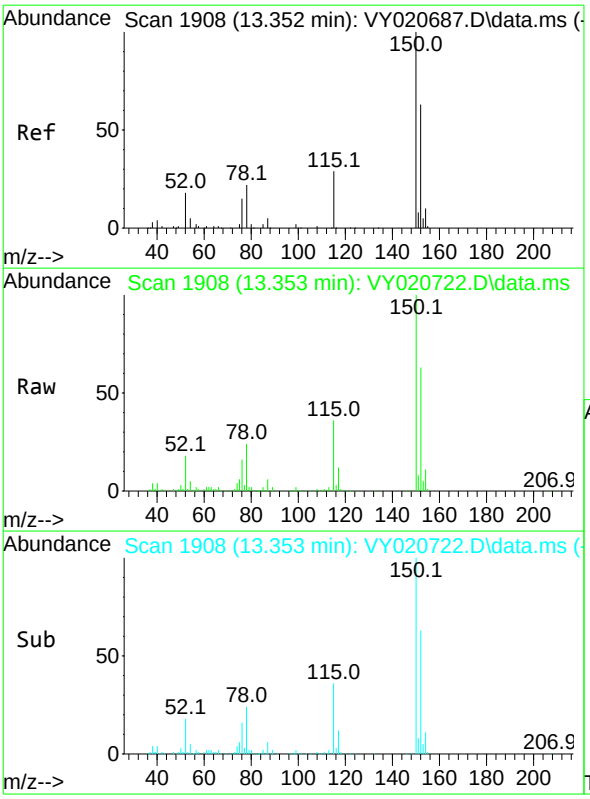


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.006 min
Lab File: VY020722.D
Acq: 26 Dec 2024 17:15

Tgt Ion:117 Resp: 128468

Ion	Ratio	Lower	Upper
117	100		
82	49.1	43.4	65.2
119	31.5	26.6	39.8



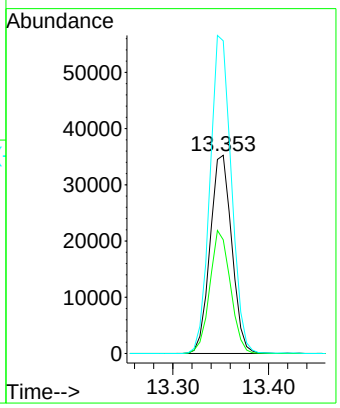


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 19
Delta R.T. 0.001 min
Lab File: VY020722.D
Acq: 26 Dec 2024 17:15

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-3

Tgt Ion:152 Resp: 55512

Ion	Ratio	Lower	Upper
152	100		
115	59.1	30.3	90.9
150	158.1	0.0	349.0



Sample Results: **VY020722.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020722.D
Acq On : 26 Dec 2024 17:15
Operator : SY/MD
Sample : P5316-03
Misc : 5.91g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-3

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Title : SW846 8260

Signal : TIC: VY020722.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.640	960	971	977	rBV	67841	162864	36.26%	5.913%
2	7.713	977	983	997	rVB	124162	278797	62.06%	10.121%
3	8.067	1033	1041	1051	rBV	49561	111496	24.82%	4.048%
4	8.616	1122	1131	1142	rBV	175139	340473	75.79%	12.360%
5	10.109	1369	1376	1385	rBV	262705	449218	100.00%	16.308%
6	11.420	1584	1591	1601	rBV	235728	386962	86.14%	14.048%
7	12.408	1747	1753	1764	rBV	183988	294838	65.63%	10.704%
8	13.206	1877	1884	1890	rBV3	4233	7596	1.69%	0.276%
9	13.347	1892	1907	1914	rVV	214346	337940	75.23%	12.269%
10	13.401	1914	1916	1928	rVB3	5079	10770	2.40%	0.391%
11	14.340	2067	2070	2075	rVB4	3894	5877	1.31%	0.213%
12	14.499	2087	2096	2099	rBV7	2613	5943	1.32%	0.216%
13	14.535	2099	2102	2106	rBV4	3415	5009	1.12%	0.182%
14	14.651	2116	2121	2127	rVB3	17286	28051	6.24%	1.018%
15	14.718	2127	2132	2136	rBV7	2437	5374	1.20%	0.195%
16	14.767	2136	2140	2143	rBV3	8529	13712	3.05%	0.498%
17	14.846	2150	2153	2159	rVB9	3534	6475	1.44%	0.235%
18	14.919	2159	2165	2167	rBV6	3792	6728	1.50%	0.244%
19	14.968	2167	2173	2176	rVV6	6098	12650	2.82%	0.459%
20	15.011	2176	2180	2182	rVV5	5650	10042	2.24%	0.365%
21	15.054	2183	2187	2193	rVB9	10416	20273	4.51%	0.736%
22	15.127	2194	2199	2205	rBV	42447	64556	14.37%	2.344%
23	15.200	2205	2211	2217	rBV10	5914	15467	3.44%	0.562%
24	15.346	2231	2235	2242	rBV2	22397	35155	7.83%	1.276%
25	15.517	2257	2263	2268	rVB4	17298	30495	6.79%	1.107%
26	15.913	2324	2328	2334	rVB7	7396	12946	2.88%	0.470%
27	16.053	2346	2351	2359	rVB2	28463	49876	11.10%	1.811%
28	16.255	2379	2384	2388	rBV2	20082	35679	7.94%	1.295%
29	16.364	2397	2402	2407	rBV9	4981	9266	2.06%	0.336%

Sum of corrected areas: 2754528

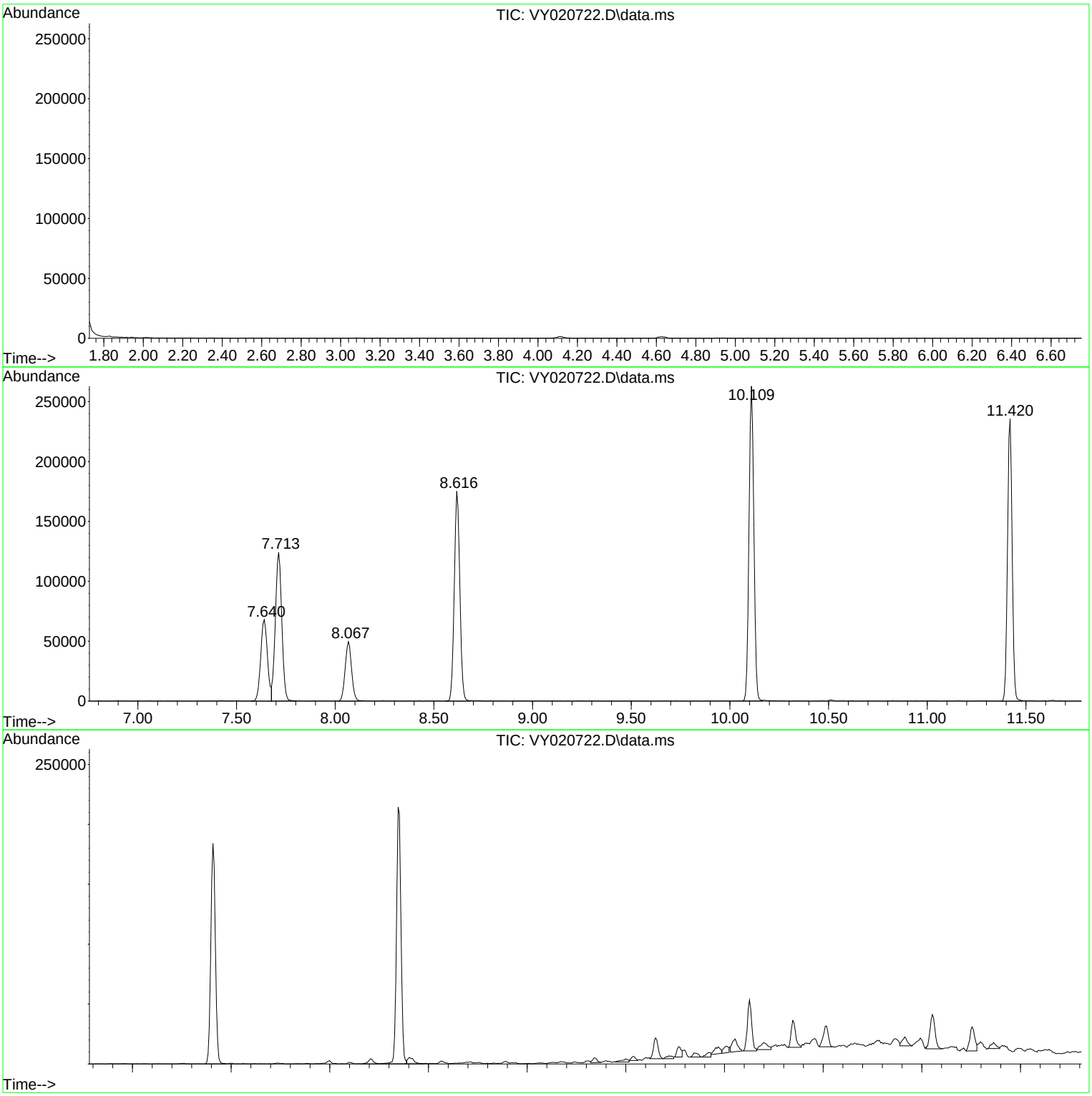
Sample Results: **VY020722.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020722.D
Acq On : 26 Dec 2024 17:15
Operator : SY/MD
Sample : P5316-03
Misc : 5.91g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY020722.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020722.D
Acq On : 26 Dec 2024 17:15
Operator : SY/MD
Sample : P5316-03
Misc : 5.91g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020722.D
Acq On : 26 Dec 2024 17:15
Operator : SY/MD
Sample : P5316-03
Misc : 5.91g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260

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

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

Raw Data: **VY020672.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/17/24
Project:	CTO WE13	Date Received:	12/17/24
Client Sample ID:	TT-304-IDWSO-20241217-4	SDG No.:	P5316
Lab Sample ID:	P5316-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	72.3
Sample Wt/Vol:	5.56 Units: g	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
VY020672.D	1		12/20/24 15:44	VY122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-01-4	Vinyl Chloride	3.10	U	0.96	3.10	6.20	ug/Kg
75-35-4	1,1-Dichloroethene	3.10	U	0.97	3.10	6.20	ug/Kg
67-64-1	Acetone	24.9	U	7.80	24.9	31.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3.10	U	0.83	3.10	6.20	ug/Kg
75-09-2	Methylene Chloride	10.0	U	4.20	10.0	12.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.10	U	1.00	3.10	6.20	ug/Kg
75-34-3	1,1-Dichloroethane	3.10	U	0.78	3.10	6.20	ug/Kg
78-93-3	2-Butanone	24.9	U	7.10	24.9	31.1	ug/Kg
56-23-5	Carbon Tetrachloride	3.10	U	1.10	3.10	6.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3.10	U	0.76	3.10	6.20	ug/Kg
67-66-3	Chloroform	5.00	U	0.83	5.00	6.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.10	U	0.97	3.10	6.20	ug/Kg
71-43-2	Benzene	3.10	U	0.90	3.10	6.20	ug/Kg
107-06-2	1,2-Dichloroethane	3.10	U	0.76	3.10	6.20	ug/Kg
79-01-6	Trichloroethene	3.10	U	0.93	3.10	6.20	ug/Kg
108-88-3	Toluene	3.10	U	0.83	3.10	6.20	ug/Kg
127-18-4	Tetrachloroethene	3.10	U	1.10	3.10	6.20	ug/Kg
108-90-7	Chlorobenzene	3.10	U	0.92	3.10	6.20	ug/Kg
100-41-4	Ethyl Benzene	3.10	U	0.77	3.10	6.20	ug/Kg
1330-20-7	Total Xylenes	9.30	U	2.57	9.30	18.6	ug/Kg
103-65-1	n-propylbenzene	3.10	U	0.80	3.10	6.20	ug/Kg
98-06-6	tert-Butylbenzene	3.10	U	0.83	3.10	6.20	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	3.10	U	1.70	3.10	6.20	ug/Kg
135-98-8	sec-Butylbenzene	3.10	U	0.83	3.10	6.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.10	U	0.92	3.10	6.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.10	U	1.00	3.10	6.20	ug/Kg
104-51-8	n-Butylbenzene	3.10	U	0.78	3.10	6.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.10	U	0.73	3.10	6.20	ug/Kg
123-91-1	1,4-Dioxane	99.5	U	52.9	99.5	120	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	34.9	*	71 - 136		70%	SPK: 50

Raw Data: **VY020672.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/17/24
Project:	CTO WE13	Date Received:	12/17/24
Client Sample ID:	TT-304-IDWSO-20241217-4	SDG No.:	P5316
Lab Sample ID:	P5316-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	72.3
Sample Wt/Vol:	5.56 Units: g	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
VY020672.D	1		12/20/24 15:44	VY122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1868-53-7	Dibromofluoromethane	42.9		78 - 119		86%	SPK: 50
2037-26-5	Toluene-d8	45.2		85 - 116		90%	SPK: 50
460-00-4	4-Bromofluorobenzene	21.7	*	79 - 119		43%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	21200	7.713				
540-36-3	1,4-Difluorobenzene	29900	8.616				
3114-55-4	Chlorobenzene-d5	18800	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	4330	13.347				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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

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

Sample Results: **VY020672.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020672.D
Acq On : 20 Dec 2024 15:44
Operator : SY/MD
Sample : P5316-04
Misc : 5.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/24/2024

Quant Time: Dec 20 18:09:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	21219	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	29944	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	18784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	4327	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	8111	34.902	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 69.800%			
35) Dibromofluoromethane	7.640	113	9056	42.912	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 85.820%			
50) Toluene-d8	10.103	98	33418	45.241	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 90.480%			
62) 4-Bromofluorobenzene	12.408	95	6269	21.696	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 43.400%			
Target Compounds						Qvalue
20) Methylene Chloride	4.622	84	717m	2.481	ug/l	

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

Sample Results: **VY020672.D**

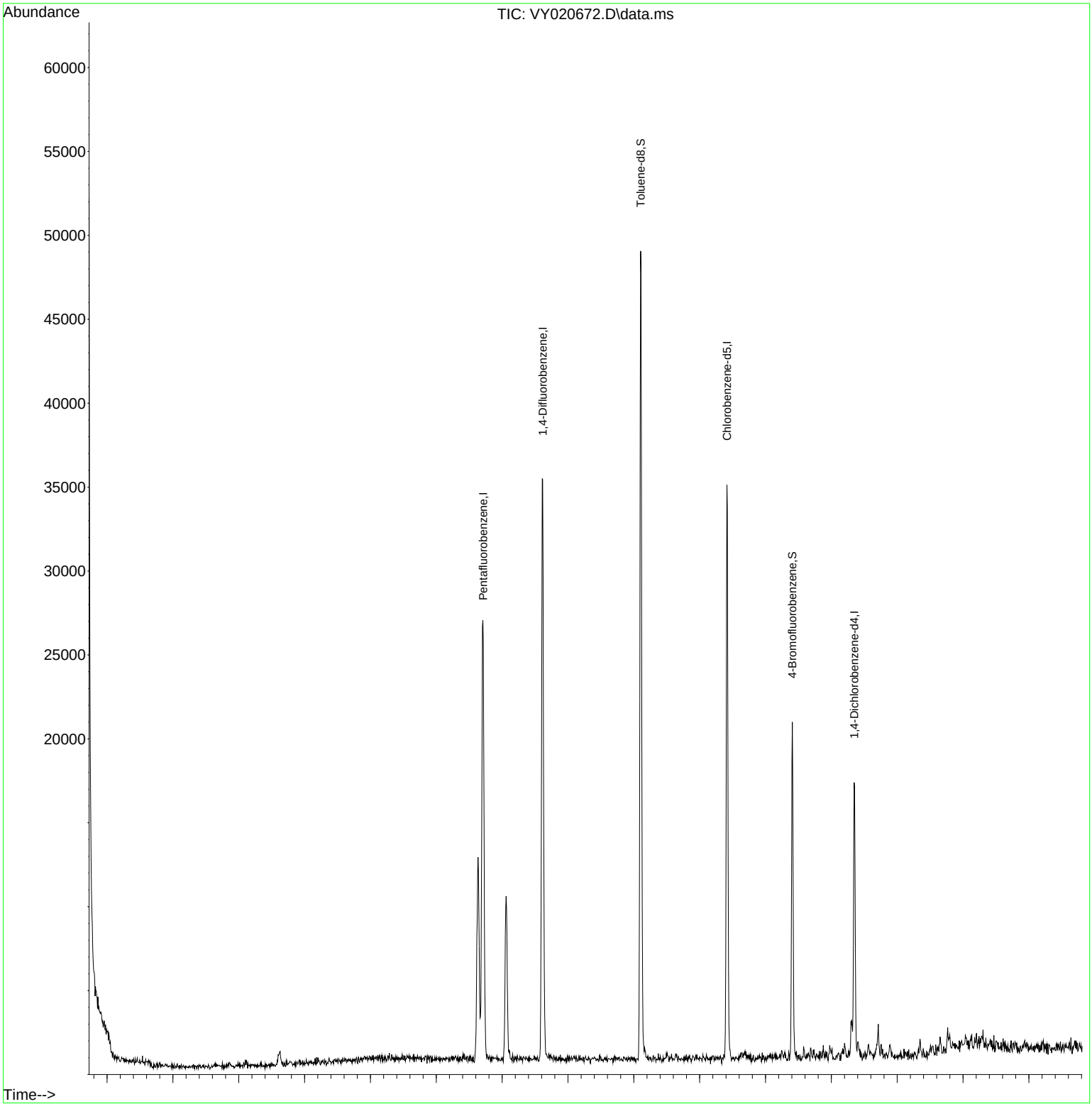
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020672.D
Acq On : 20 Dec 2024 15:44
Operator : SY/MD
Sample : P5316-04
Misc : 5.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

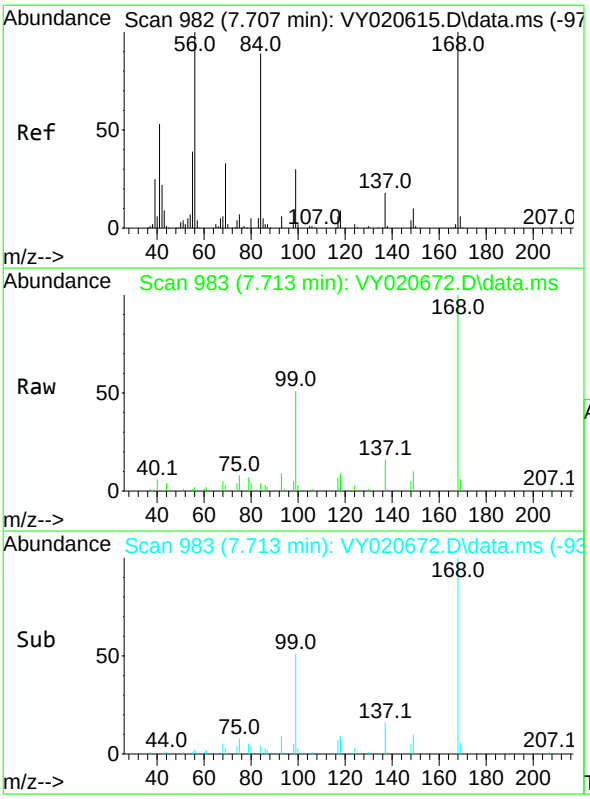
Quant Time: Dec 20 18:09:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/24/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020672.D
Acq: 20 Dec 2024 15:44

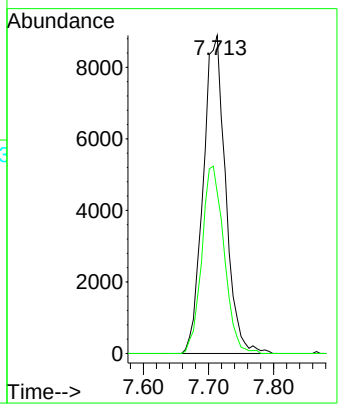
Tgt Ion:168 Resp: 21219

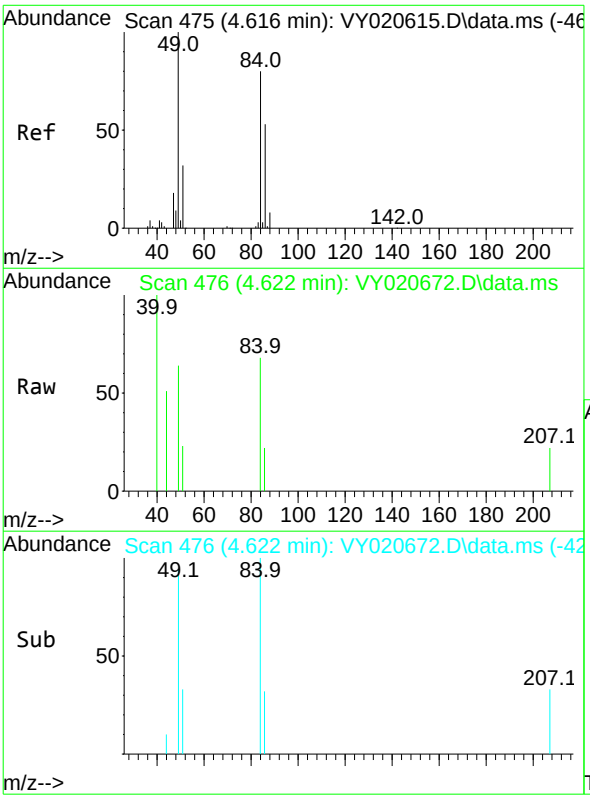
Ion	Ratio	Lower	Upper
168	100		
99	50.6	47.0	70.6

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/24/2024

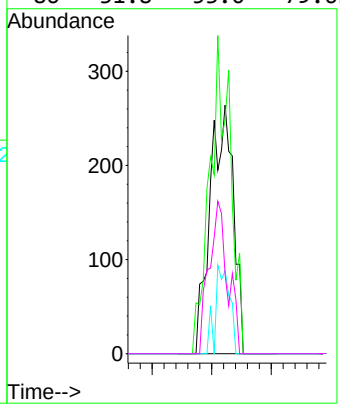


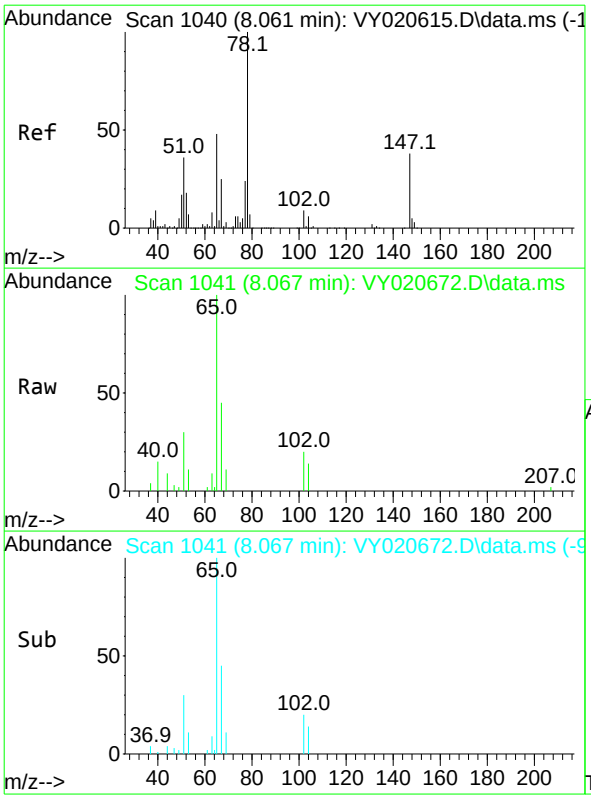


#20
Methylene Chloride
Concen: 2.481 ug/l m
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY020672.D
Acq: 20 Dec 2024 15:44

Tgt Ion: 84 Resp: 717

Ion	Ratio	Lower	Upper
84	100		
49	94.3	100.7	151.1#
51	33.3	32.2	48.2
86	31.8	53.0	79.6#





#33
1,2-Dichloroethane-d4
Concen: 34.902 ug/l
RT: 8.067 min Scan# 10
Delta R.T. 0.006 min
Lab File: VY020672.D
Acq: 20 Dec 2024 15:44

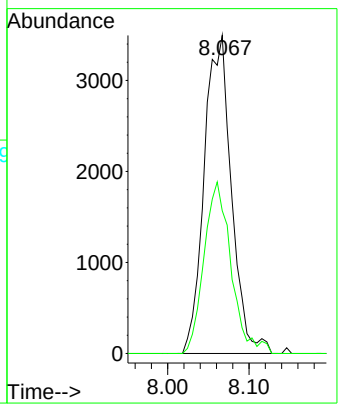
Tgt Ion: 65 Resp: 8111

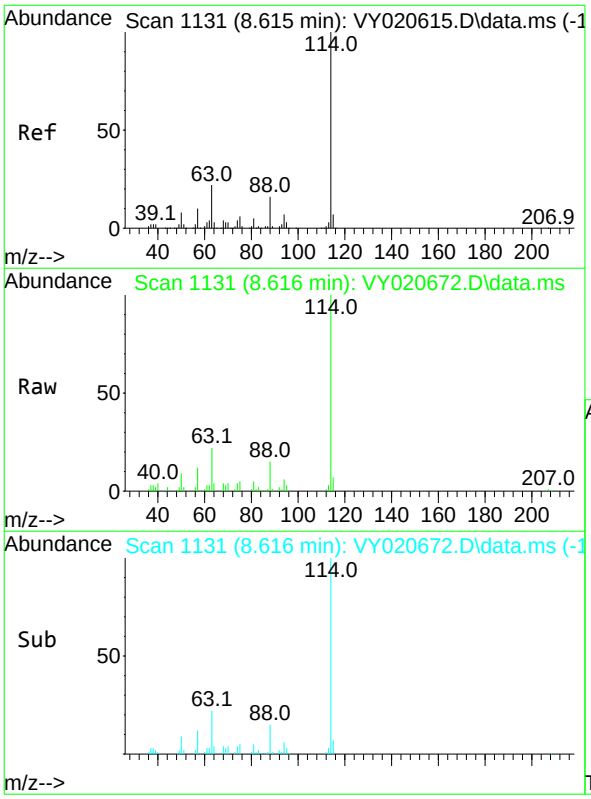
Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	108.0

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/24/2024

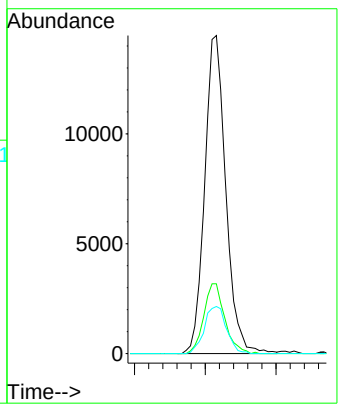


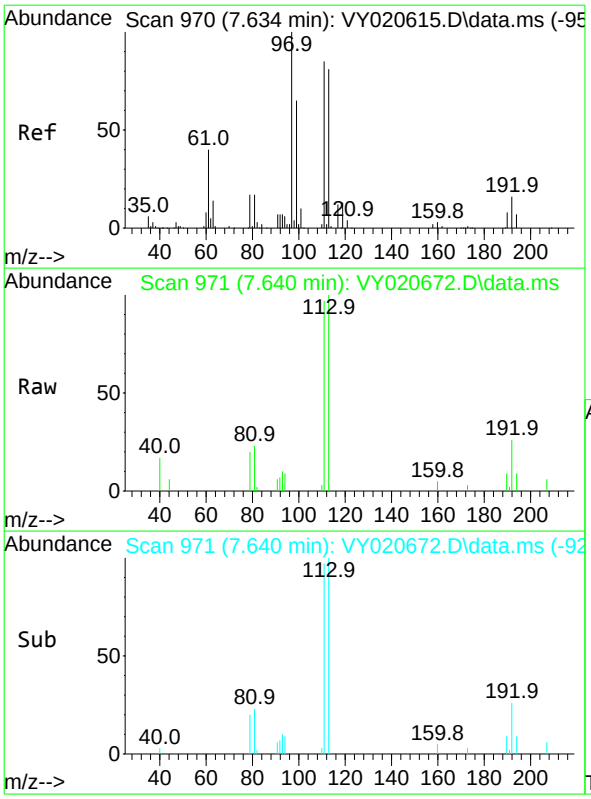


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020672.D
Acq: 20 Dec 2024 15:44

Tgt Ion:114 Resp: 29944

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	14.8	0.0	32.8

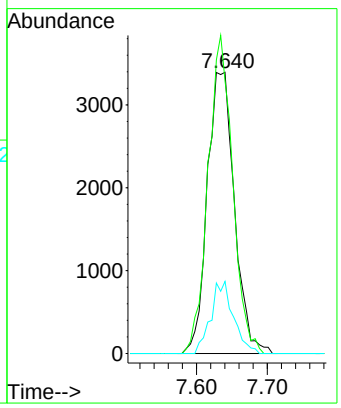




#35
Dibromofluoromethane
Concen: 42.912 ug/l
RT: 7.640 min Scan# 97
Delta R.T. 0.006 min
Lab File: VY020672.D
Acq: 20 Dec 2024 15:44

Tgt Ion:113 Resp: 9056

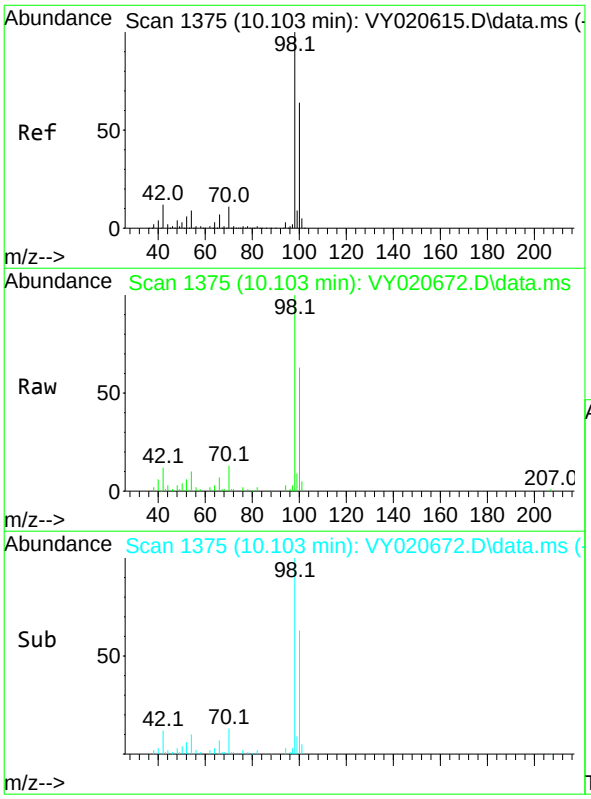
Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.9	124.3
192	21.3	15.7	23.5



Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4

Manual Integrations
APPROVED

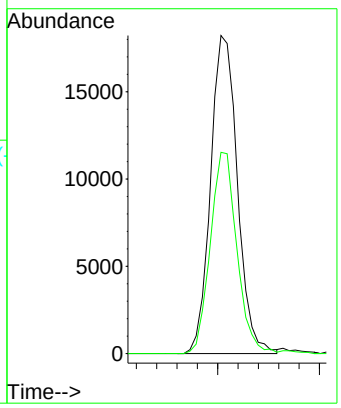
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/24/2024

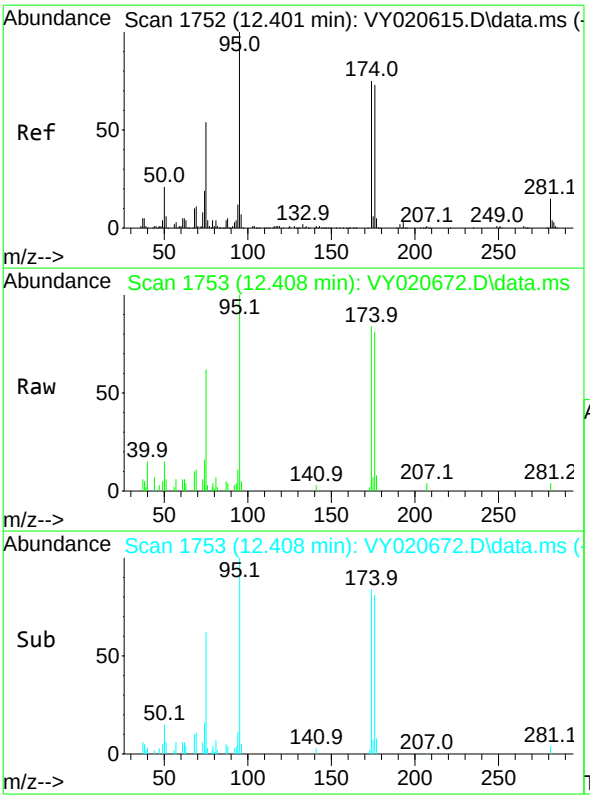


#50
Toluene-d8
Concen: 45.241 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020672.D
Acq: 20 Dec 2024 15:44

Tgt Ion: 98 Resp: 33418

Ion	Ratio	Lower	Upper
98	100		
100	63.2	52.1	78.1

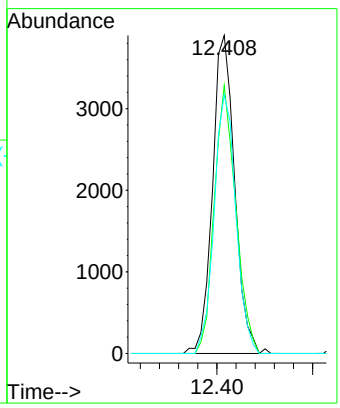




#62
4-Bromofluorobenzene
Concen: 21.696 ug/l
RT: 12.408 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020672.D
Acq: 20 Dec 2024 15:44

Tgt Ion: 95 Resp: 6269

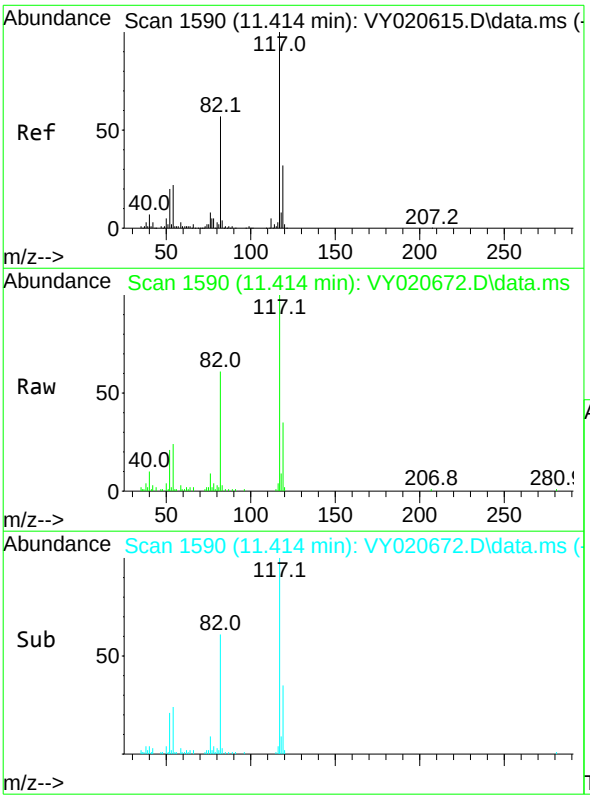
Ion	Ratio	Lower	Upper
95	100		
174	81.7	0.0	161.8
176	79.9	0.0	156.6



Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4

Manual Integrations
APPROVED

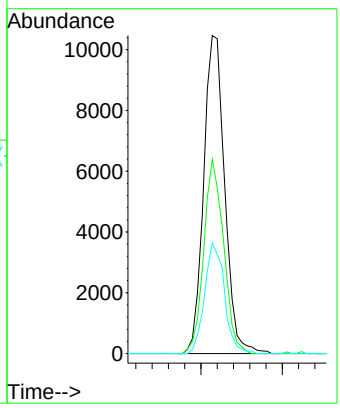
Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/24/2024

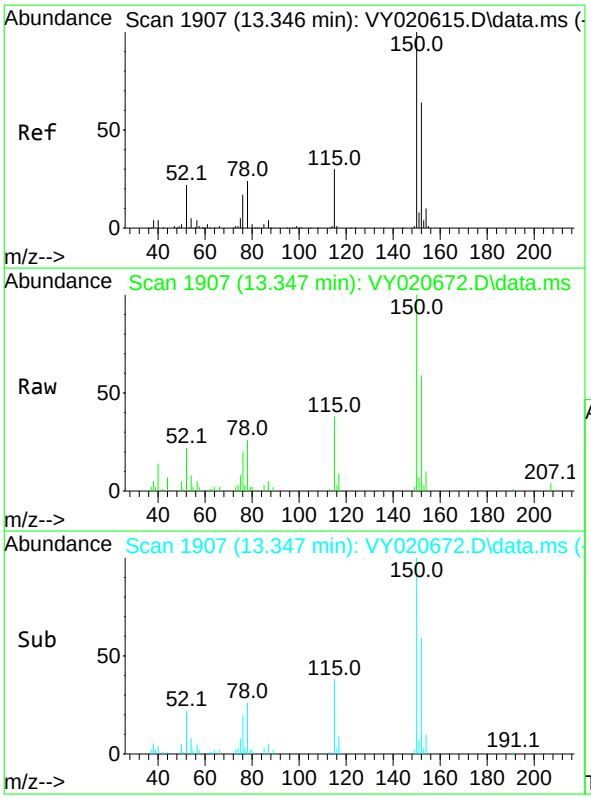


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY020672.D
Acq: 20 Dec 2024 15:44

Tgt Ion:117 Resp: 18784

Ion	Ratio	Lower	Upper
117	100		
82	61.1	45.8	68.6
119	34.8	25.3	37.9

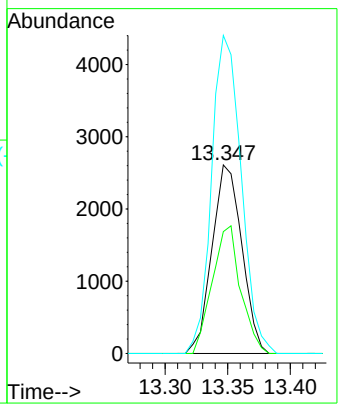




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020672.D
Acq: 20 Dec 2024 15:44

Tgt Ion:152 Resp: 4327

Ion	Ratio	Lower	Upper
152	100		
115	64.4	30.2	90.6
150	167.4	0.0	355.4



Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/24/2024
Supervised By :Mahesh Dadoda 12/24/2024

Sample Results: **VY020672.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020672.D
Acq On : 20 Dec 2024 15:44
Operator : SY/MD
Sample : P5316-04
Misc : 5.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Title : SW846 8260

Signal : TIC: VY020672.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.634	961	970	975	rBV2	12225	29830	34.03%	7.083%
2	7.707	976	982	991	rVB2	26090	61287	69.92%	14.552%
3	8.061	1033	1040	1046	rBV2	9898	22429	25.59%	5.325%
4	8.610	1122	1130	1139	rBV	34680	71754	81.86%	17.037%
5	10.103	1369	1375	1384	rBV	48213	87656	100.00%	20.813%
6	11.201	1549	1555	1558	rBV3	493	1228	1.40%	0.292%
7	11.414	1584	1590	1601	rVB	34313	59963	68.41%	14.237%
8	12.408	1746	1753	1760	rBV2	20165	33641	38.38%	7.988%
9	12.688	1797	1799	1804	rBV3	788	1168	1.33%	0.277%
10	13.109	1864	1868	1872	rVB5	479	930	1.06%	0.221%
11	13.200	1881	1883	1891	rVB6	840	1144	1.31%	0.272%
12	13.310	1896	1901	1903	rVV3	2251	4033	4.60%	0.958%
13	13.347	1903	1907	1914	rVV2	16387	28276	32.26%	6.714%
14	13.401	1914	1916	1923	rVB5	950	1813	2.07%	0.430%
15	13.566	1938	1943	1946	rBV4	731	1128	1.29%	0.268%
16	13.712	1958	1967	1972	rBV4	1936	3457	3.94%	0.821%
17	13.889	1990	1996	2000	rVV6	797	1532	1.75%	0.364%
18	14.346	2068	2071	2076	rVV6	1130	1676	1.91%	0.398%
19	14.541	2099	2103	2109	rVV5	531	933	1.06%	0.222%
20	14.651	2118	2121	2126	rVB5	998	1484	1.69%	0.352%
21	14.767	2135	2140	2142	rBV5	1517	1992	2.27%	0.473%
22	15.121	2194	2198	2199	rBV4	769	898	1.02%	0.213%
23	15.206	2209	2212	2214	rVB4	909	890	1.02%	0.211%
24	16.218	2374	2378	2380	rVB4	709	936	1.07%	0.222%
25	16.303	2390	2392	2397	rBV4	601	1088	1.24%	0.258%

Sum of corrected areas: 421166

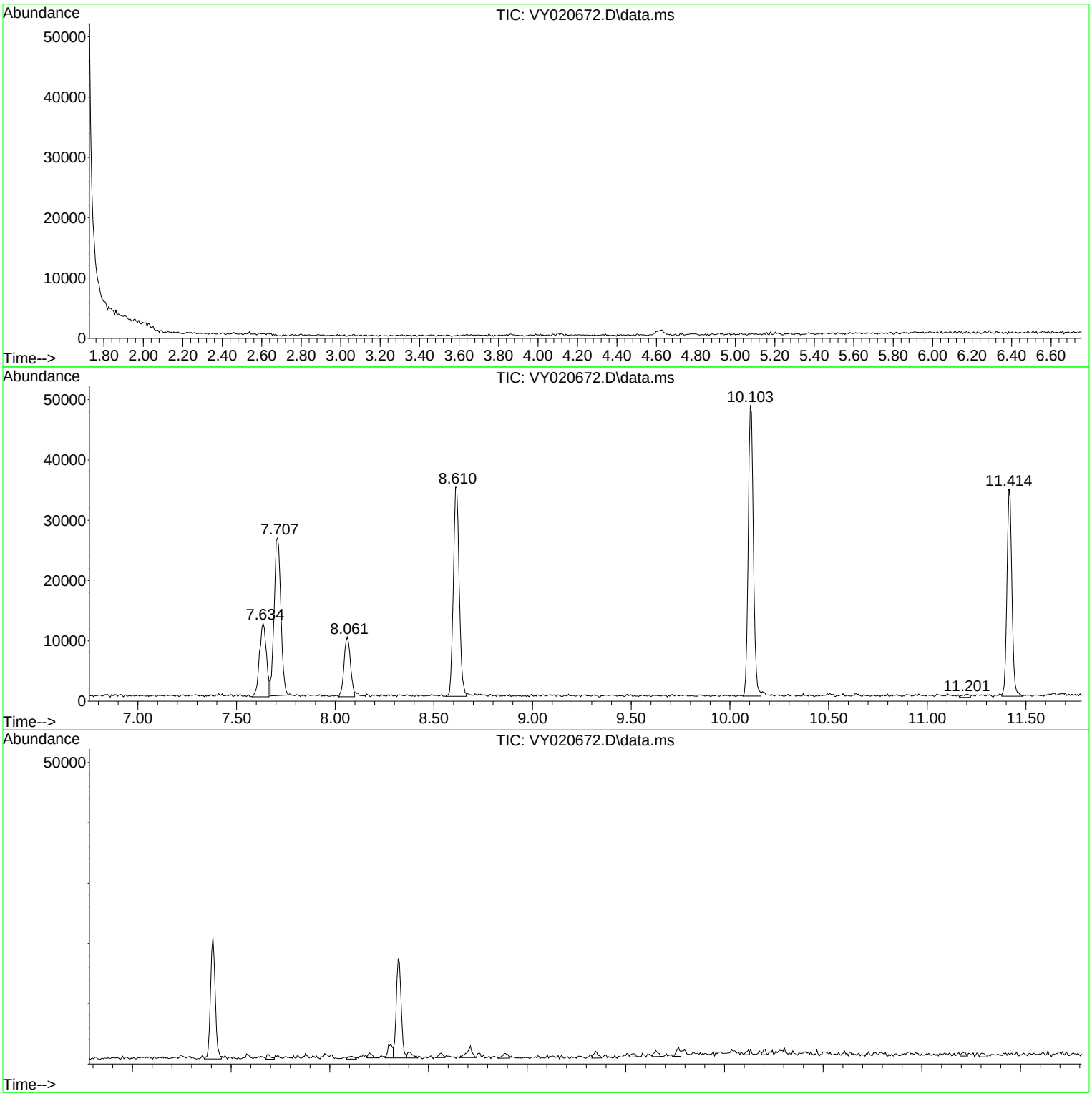
Sample Results: **VY020672.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020672.D
Acq On : 20 Dec 2024 15:44
Operator : SY/MD
Sample : P5316-04
Misc : 5.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY020672.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020672.D
Acq On : 20 Dec 2024 15:44
Operator : SY/MD
Sample : P5316-04
Misc : 5.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020672.D
Acq On : 20 Dec 2024 15:44
Operator : SY/MD
Sample : P5316-04
Misc : 5.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

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

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

Raw Data: **VY020675.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/17/24
Project:	CTO WE13	Date Received:	12/17/24
Client Sample ID:	TT-304-IDWSO-20241217-4RE	SDG No.:	P5316
Lab Sample ID:	P5316-04RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	72.3
Sample Wt/Vol:	5.36 Units: g	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
VY020675.D	1		12/20/24 16:52	VY122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-01-4	Vinyl Chloride	3.20	U	0.99	3.20	6.50	ug/Kg
75-35-4	1,1-Dichloroethene	3.20	U	1.00	3.20	6.50	ug/Kg
67-64-1	Acetone	25.8	U	8.10	25.8	32.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3.20	U	0.86	3.20	6.50	ug/Kg
75-09-2	Methylene Chloride	10.3	U	4.40	10.3	12.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.20	U	1.10	3.20	6.50	ug/Kg
75-34-3	1,1-Dichloroethane	3.20	U	0.81	3.20	6.50	ug/Kg
78-93-3	2-Butanone	25.8	U	7.30	25.8	32.3	ug/Kg
56-23-5	Carbon Tetrachloride	3.20	U	1.10	3.20	6.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3.20	U	0.79	3.20	6.50	ug/Kg
67-66-3	Chloroform	5.20	U	0.86	5.20	6.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.20	U	1.00	3.20	6.50	ug/Kg
71-43-2	Benzene	3.20	U	0.93	3.20	6.50	ug/Kg
107-06-2	1,2-Dichloroethane	3.20	U	0.79	3.20	6.50	ug/Kg
79-01-6	Trichloroethene	3.20	U	0.97	3.20	6.50	ug/Kg
108-88-3	Toluene	3.20	U	0.86	3.20	6.50	ug/Kg
127-18-4	Tetrachloroethene	3.20	U	1.10	3.20	6.50	ug/Kg
108-90-7	Chlorobenzene	3.20	U	0.95	3.20	6.50	ug/Kg
100-41-4	Ethyl Benzene	3.20	U	0.80	3.20	6.50	ug/Kg
1330-20-7	Total Xylenes	9.70	U	2.60	9.70	19.4	ug/Kg
103-65-1	n-propylbenzene	3.20	U	0.83	3.20	6.50	ug/Kg
98-06-6	tert-Butylbenzene	3.20	U	0.86	3.20	6.50	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	3.20	U	1.80	3.20	6.50	ug/Kg
135-98-8	sec-Butylbenzene	3.20	U	0.86	3.20	6.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.20	U	0.95	3.20	6.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.20	U	1.00	3.20	6.50	ug/Kg
104-51-8	n-Butylbenzene	3.20	U	0.81	3.20	6.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.20	U	0.76	3.20	6.50	ug/Kg
123-91-1	1,4-Dioxane	100	U	54.8	100	130	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.8		71 - 136		102%	SPK: 50

Raw Data: **VY020675.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/17/24
Project:	CTO WE13	Date Received:	12/17/24
Client Sample ID:	TT-304-IDWSO-20241217-4RE	SDG No.:	P5316
Lab Sample ID:	P5316-04RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	72.3
Sample Wt/Vol:	5.36 Units: g	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
VY020675.D	1		12/20/24 16:52	VY122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1868-53-7	Dibromofluoromethane	45.9		78 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	48.7		85 - 116		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.3	*	79 - 119		71%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	164000	7.707				
540-36-3	1,4-Difluorobenzene	291000	8.616				
3114-55-4	Chlorobenzene-d5	242000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	90500	13.346				

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

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

Sample Results: **VY020675.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020675.D
Acq On : 20 Dec 2024 16:52
Operator : SY/MD
Sample : P5316-04RE
Misc : 5.36g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4RE

Quant Time: Dec 20 18:11:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	164449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	291183	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	241631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	90485	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	91496	50.801	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.600%			
35) Dibromofluoromethane	7.634	113	94126	45.866	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.740%			
50) Toluene-d8	10.103	98	349801	48.699	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.400%			
62) 4-Bromofluorobenzene	12.401	95	99228	35.315	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 70.640%			
Target Compounds						Qvalue
20) Methylene Chloride	4.616	84	6156	2.749	ug/l	89

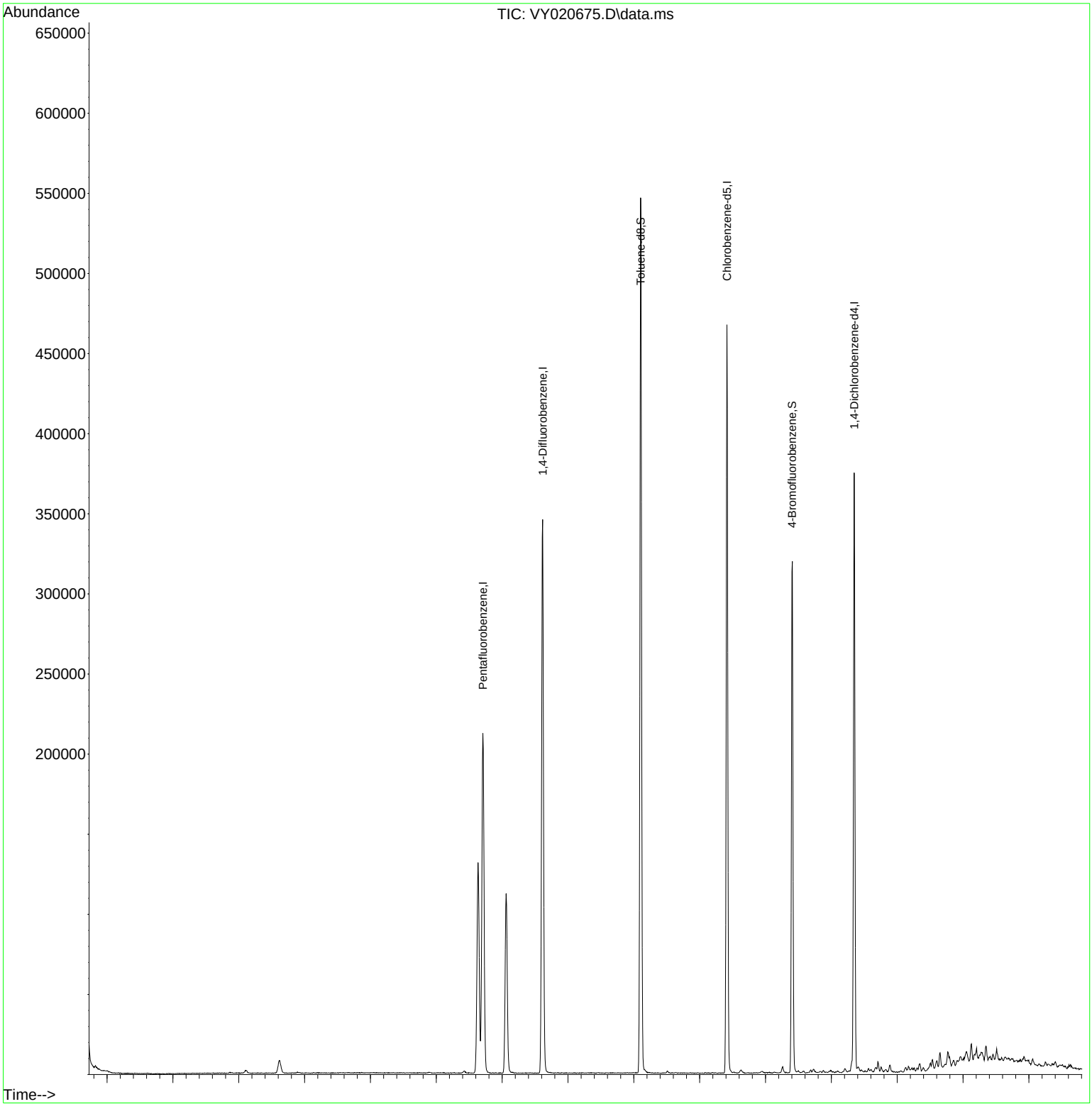
(#) = qualifier out of range (m) = manual integration (+) = signals summed

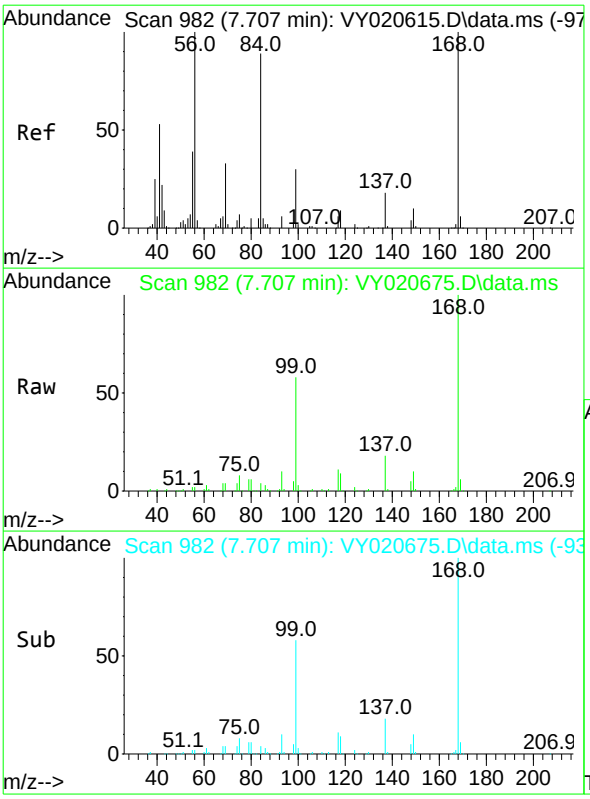
Sample Results: **VY020675.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020675.D
Acq On : 20 Dec 2024 16:52
Operator : SY/MD
Sample : P5316-04RE
Misc : 5.36g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4RE

Quant Time: Dec 20 18:11:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration



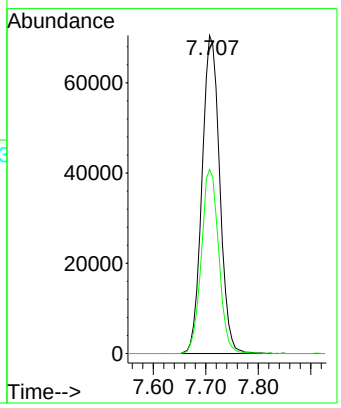


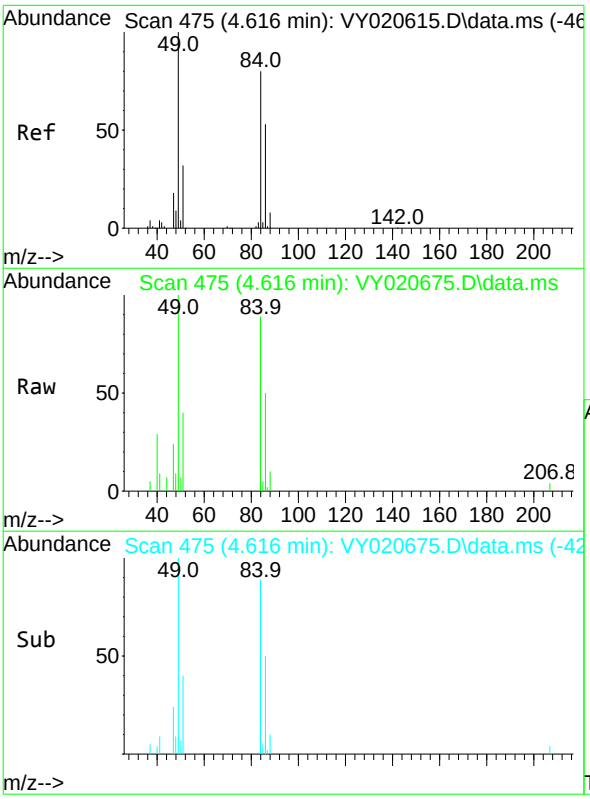
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020675.D
Acq: 20 Dec 2024 16:52

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4RE

Tgt Ion:168 Resp: 164449

Ion	Ratio	Lower	Upper
168	100		
99	57.9	47.0	70.6

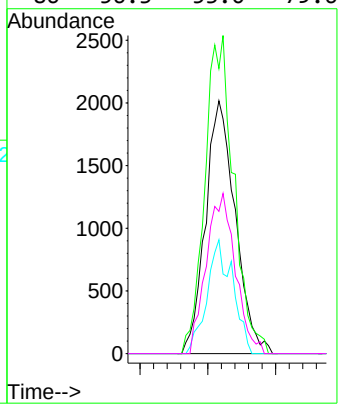


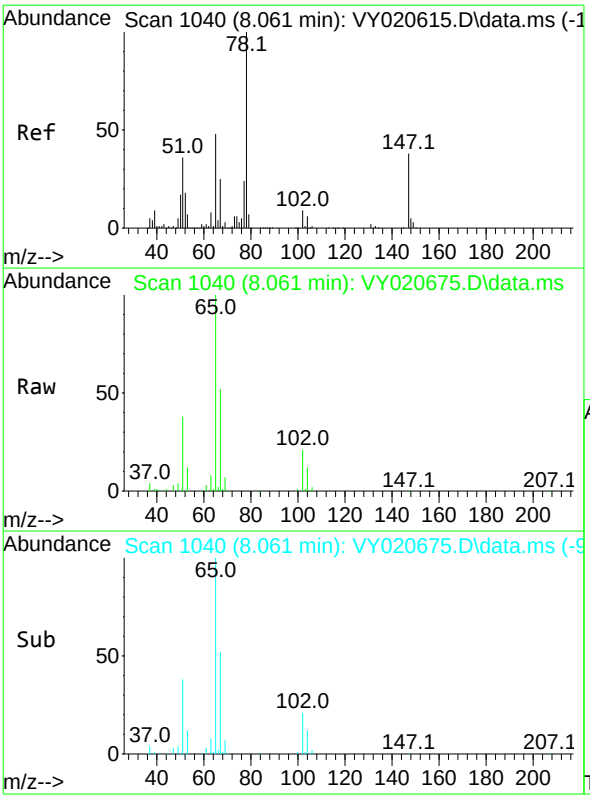


#20
Methylene Chloride
Concen: 2.749 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020675.D
Acq: 20 Dec 2024 16:52

Tgt Ion: 84 Resp: 6156

Ion	Ratio	Lower	Upper
84	100		
49	112.8	100.7	151.1
51	45.0	32.2	48.2
86	56.3	53.0	79.6



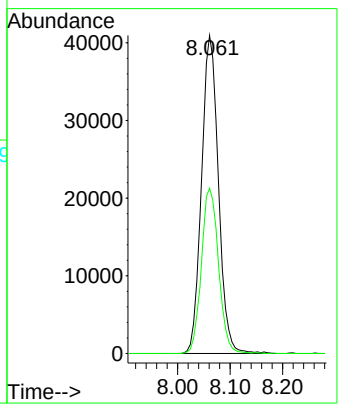


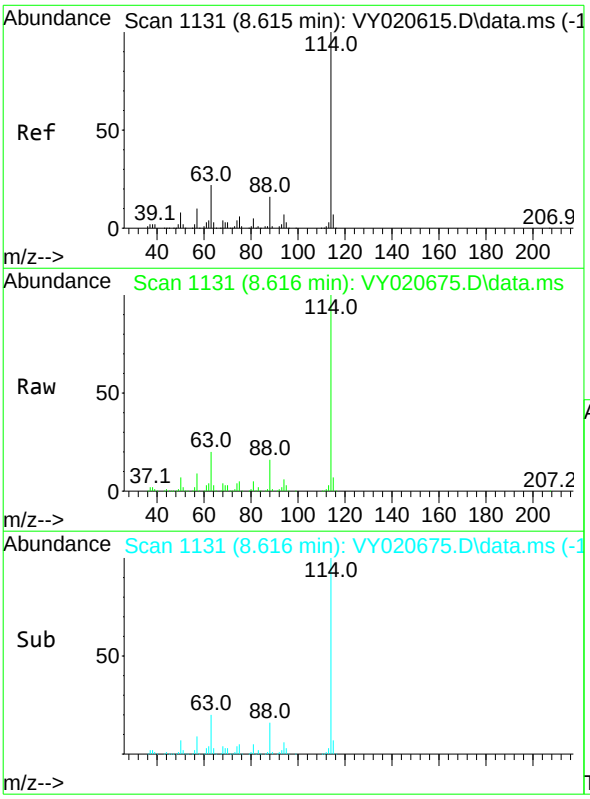
#33
1,2-Dichloroethane-d4
Concen: 50.801 ug/l
RT: 8.061 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020675.D
Acq: 20 Dec 2024 16:52

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4RE

Tgt Ion: 65 Resp: 91496

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	108.0

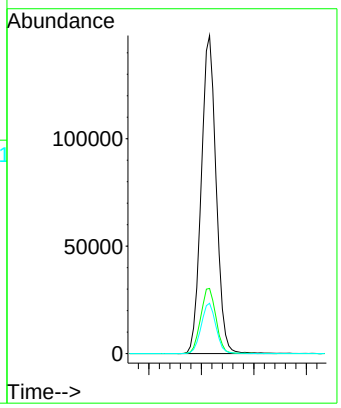


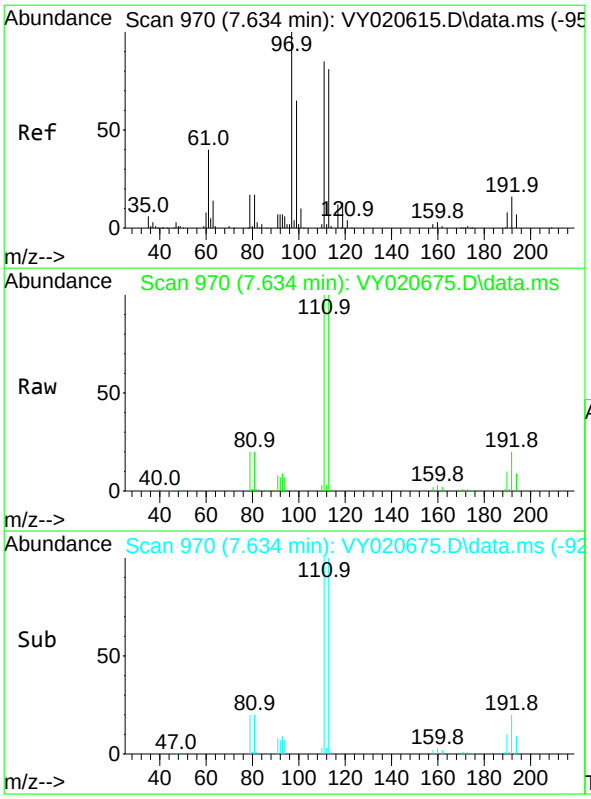


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020675.D
Acq: 20 Dec 2024 16:52

Tgt Ion:114 Resp: 291183

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	44.0
88	15.8	0.0	32.8



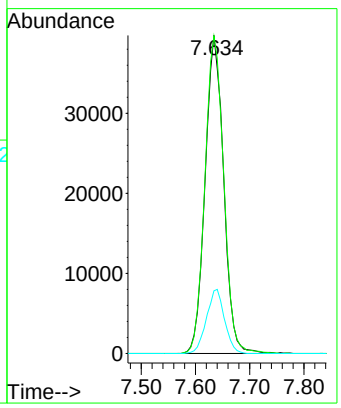


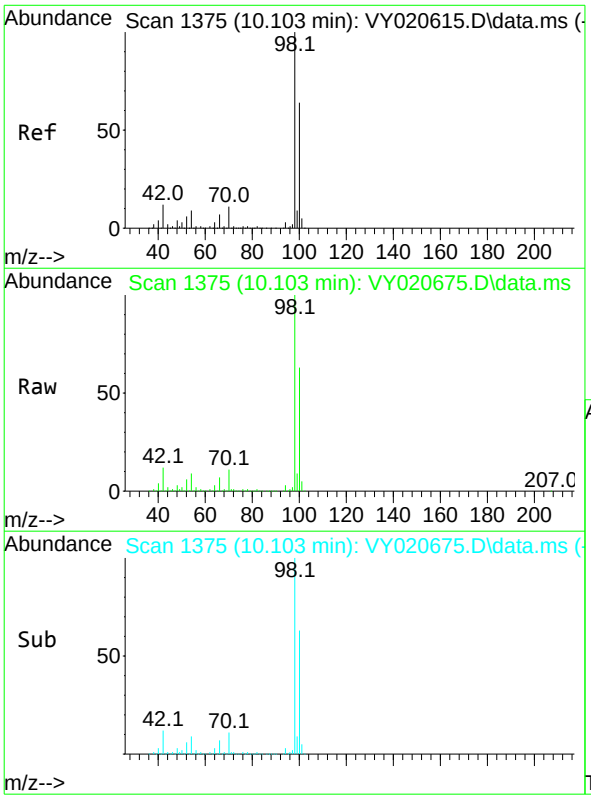
#35
Dibromofluoromethane
Concen: 45.866 ug/l
RT: 7.634 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020675.D
Acq: 20 Dec 2024 16:52

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4RE

Tgt Ion:113 Resp: 94126

Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.9	124.3
192	19.7	15.7	23.5

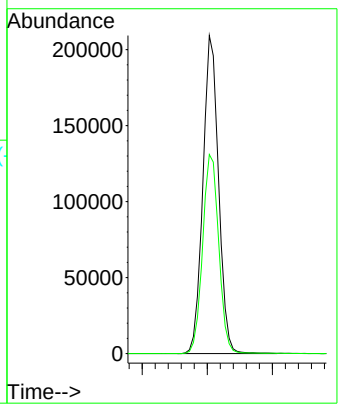


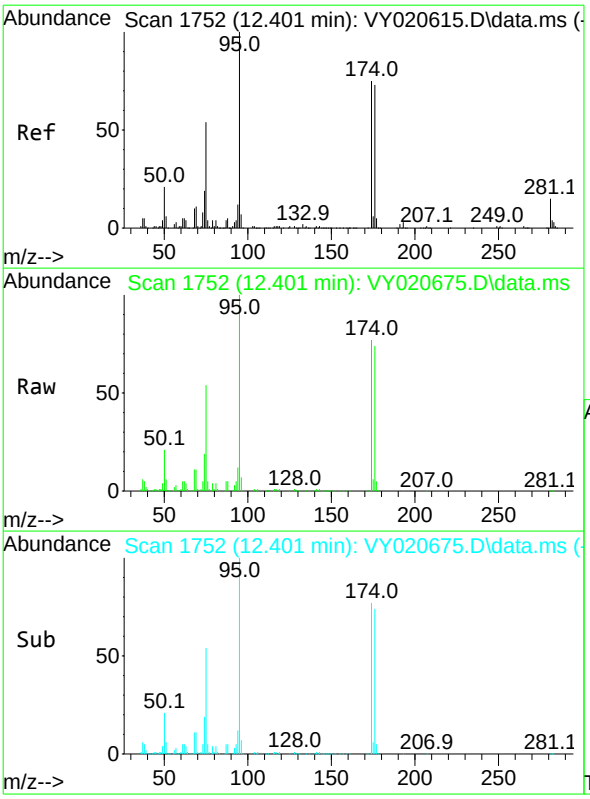


#50
Toluene-d8
Concen: 48.699 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020675.D
Acq: 20 Dec 2024 16:52

Tgt Ion: 98 Resp: 349801

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.1	78.1



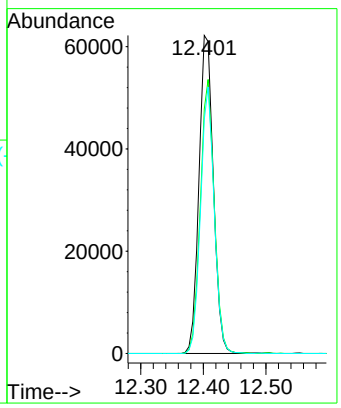


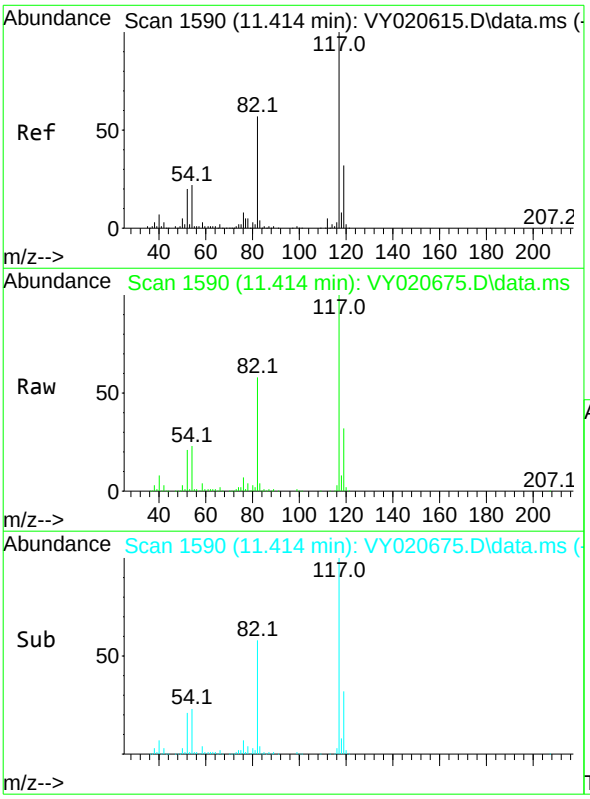
#62
4-Bromofluorobenzene
Concen: 35.315 ug/l
RT: 12.401 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020675.D
Acq: 20 Dec 2024 16:52

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4RE

Tgt Ion: 95 Resp: 99228

Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	161.8
176	79.5	0.0	156.6

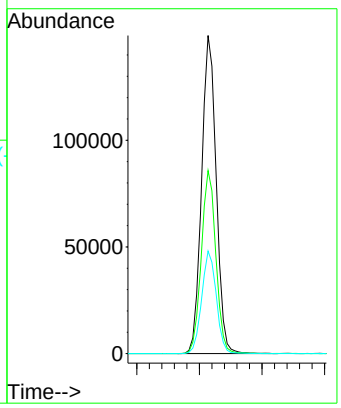


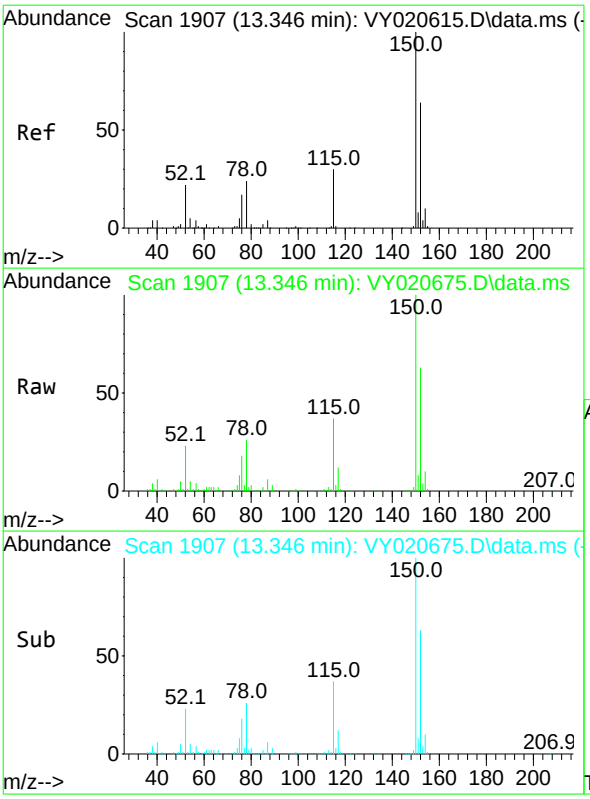


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY020675.D
Acq: 20 Dec 2024 16:52

Tgt Ion:117 Resp: 241631

Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.8	68.6
119	32.2	25.3	37.9



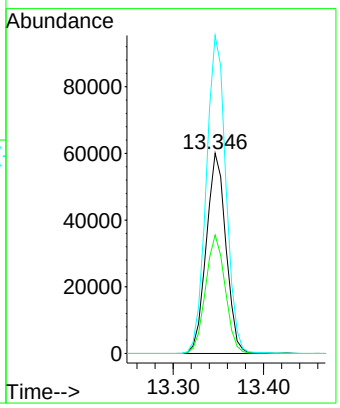


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020675.D
Acq: 20 Dec 2024 16:52

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4RE

Tgt Ion:152 Resp: 90485

Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.2	90.6
150	158.7	0.0	355.4



CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG No.: P5316

Instrument ID: MSVOA_Y Calibration Date(s): 12/17/2024 12/17/2024

Heated Purge: (Y/N) Y Calibration Time(s): 10:01 14:51

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

LAB FILE ID: RRF010 = VY020613.D RRF020 = VY020614.D RRF050 = VY020615.D
RRF100 = VY020616.D RRF150 = VY020617.D RRF005 = VY020619.D

COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF150	RRF005	$\overline{RRF}$	% RSD
Vinyl Chloride	0.443	0.469	0.371	0.440	0.374	0.487	0.431	11.3
1,1-Dichloroethene	0.701	0.637	0.589	0.638	0.528	0.667	0.627	9.7
Acetone	0.141	0.107	0.098	0.110		0.168	0.125	23.2
Methyl tert-butyl Ether	1.799	1.584	1.663	1.652	1.466	1.542	1.618	7.1
Methylene Chloride	0.758	0.683	0.617	0.665	0.596	0.766	0.681	10.3
trans-1,2-Dichloroethene	0.771	0.703	0.710	0.692	0.636	0.707	0.703	6.2
1,1-Dichloroethane	1.401	1.307	1.323	1.300	1.173	1.333	1.306	5.7
2-Butanone	0.245	0.191	0.197	0.195	0.166	0.228	0.204	13.9
Carbon Tetrachloride	0.768	0.715	0.701	0.697	0.656	0.730	0.711	5.2
cis-1,2-Dichloroethene	0.875	0.815	0.817	0.797	0.724	0.827	0.809	6.1
Chloroform	1.768	1.465	1.378	1.302	1.186	2.069	1.528	21.6
1,1,1-Trichloroethane	1.298	1.215	1.198	1.183	1.086	1.219	1.200	5.7
Benzene	2.055	1.900	1.859	1.847	1.713	1.927	1.883	5.9
1,2-Dichloroethane	0.546	0.499	0.500	0.498	0.452	0.502	0.500	6
Trichloroethene	0.501	0.462	0.458	0.453	0.422	0.481	0.463	5.8
Toluene	1.247	1.185	1.167	1.165	1.082	1.176	1.170	4.5
Tetrachloroethene	0.505	0.464	0.452	0.446	0.422	0.533	0.470	8.7
Chlorobenzene	1.501	1.397	1.374	1.381	1.293	1.441	1.398	5
Ethyl Benzene	2.747	2.583	2.556	2.543	2.414	2.633	2.579	4.2
m/p-Xylenes	1.031	0.951	0.953	0.942	0.892	0.984	0.959	4.8
o-Xylene	0.956	0.892	0.898	0.887	0.842	0.894	0.895	4.1
n-propylbenzene	5.566	5.397	5.283	5.151	4.837	5.307	5.257	4.7
tert-Butylbenzene	3.378	3.288	3.215	3.178	2.992	3.188	3.206	4
1,2,4-Trimethylbenzene	3.660	3.534	3.536	3.429	3.224	3.454	3.473	4.2
sec-Butylbenzene	4.894	4.777	4.690	4.543	4.263	4.806	4.662	4.9
1,3-Dichlorobenzene	1.982	1.912	1.864	1.832	1.702	1.966	1.876	5.5
1,4-Dichlorobenzene	1.980	1.852	1.832	1.797	1.680	2.008	1.858	6.5
n-Butylbenzene	3.755	3.736	3.749	3.599	3.393	3.625	3.643	3.8
1,2-Dichlorobenzene	1.735	1.614	1.606	1.602	1.501	1.694	1.626	5
1,2-Dichloroethane-d4	0.619	0.487	0.569	0.507	0.467	0.636	0.548	13

* 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.: P5316 SAS No.: P5316 SDG No.: P5316

Instrument ID: MSVOA_Y Calibration Date(s): 12/17/2024 12/17/2024

Heated Purge: (Y/N) Y Calibration Time(s): 10:01 14:51

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

LAB FILE ID: RRF010 = VY020613.D RRF020 = VY020614.D RRF050 = VY020615.D
RRF100 = VY020616.D RRF150 = VY020617.D RRF005 = VY020619.D

COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF150	RRF005	$\overline{RRF}$	% RSD
Dibromofluoromethane	0.385	0.328	0.360	0.325	0.313	0.404	0.352	10.4
Toluene-d8	1.314	1.127	1.271	1.143	1.100	1.445	1.233	10.9
4-Bromofluorobenzene	0.538	0.448	0.480	0.433	0.412	0.585	0.482	13.9
1,4-Dioxane	3.173	2.476	2.673	2.757	2.467	2.462	2.668	10.4

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

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y121724S.M
Title : SW846 8260
Last Update : Wed Dec 18 05:27:13 2024
Response Via : Initial Calibration

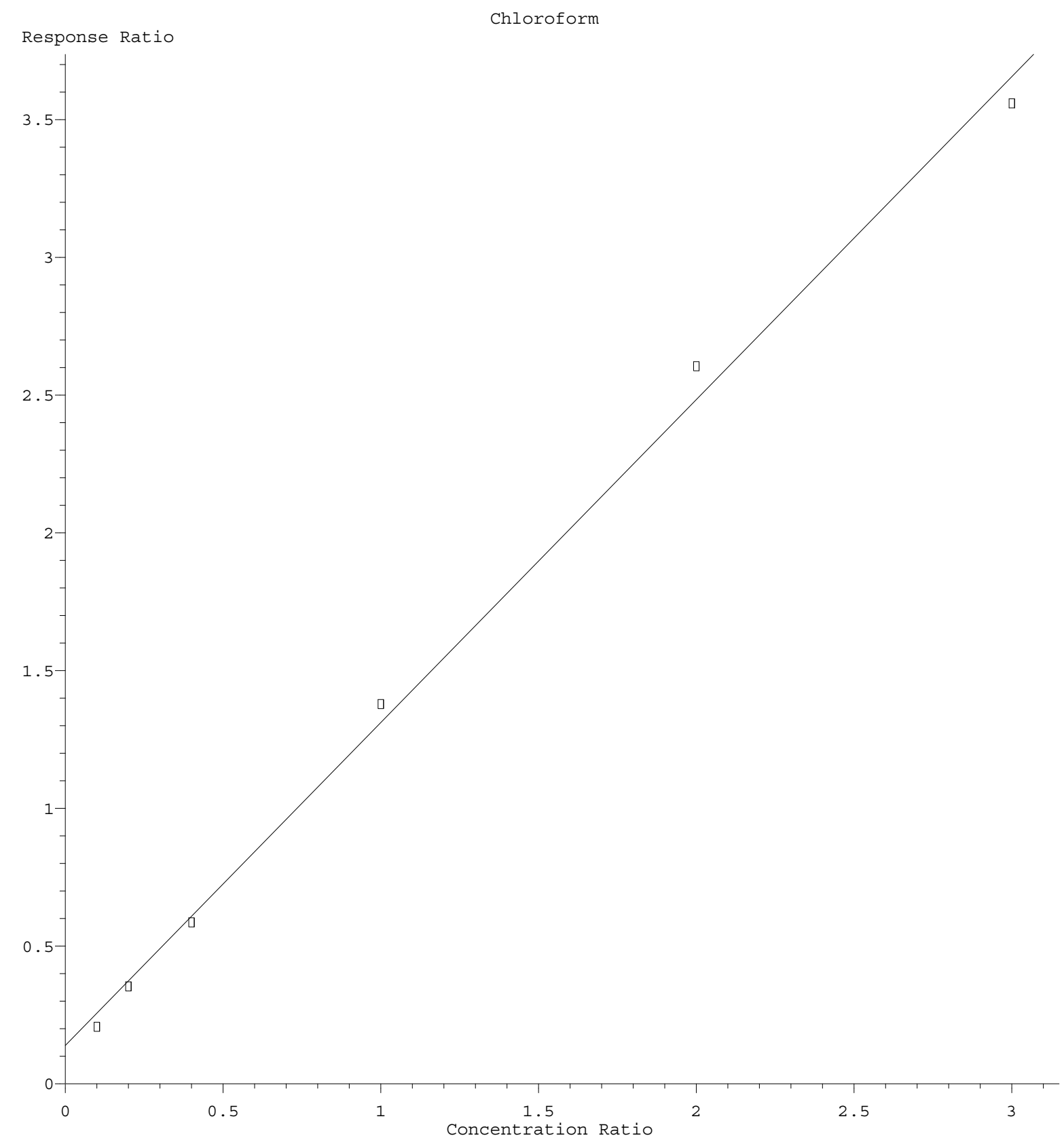
Calibration Files
5 =VY020619.D 10 =VY020613.D 20 =VY020614.D 50 =VY020615.D 100 =VY020616.D 150 =VY020617.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.665	0.678	0.633	0.617	0.601	0.552	0.625	7.31
3)	P	Chloromethane	0.555	0.490	0.506	0.428	0.426	0.372	0.463	14.32
4)	C	Vinyl Chloride	0.487	0.443	0.469	0.371	0.440	0.374	0.431	11.27#
5)	T	Bromomethane	0.327	0.291	0.279	0.229	0.282	0.254	0.277	12.08
6)	T	Chloroethane	0.302	0.273	0.287	0.212	0.272	0.251	0.266	11.75
7)	T	Trichlorofluor...	0.993	0.981	0.954	0.791	0.878	0.810	0.901	9.73
8)	T	Diethyl Ether	0.343	0.346	0.330	0.291	0.315	0.272	0.316	9.40
9)	T	1,1,2-Trichlor...	0.712	0.715	0.659	0.603	0.649	0.537	0.646	10.48
10)	T	Methyl Iodide	0.670	0.803	0.746	0.692	0.778	0.625	0.719	9.47
11)	T	Tert butyl alc...	0.093	0.110	0.073	0.051	0.053	0.045	0.071	37.31
12)	CM	1,1-Dichloroet...	0.667	0.701	0.637	0.589	0.638	0.528	0.627	9.72#
13)	T	Acrolein	0.033	0.039	0.033	0.017	0.019	0.015	0.026	38.81
14)	T	Allyl chloride	1.163	1.235	1.118	1.028	1.144	0.901	1.098	10.74
15)	T	Acrylonitrile	0.144	0.179	0.144	0.155	0.153	0.132	0.151	10.38
16)	T	Acetone	0.168	0.141	0.107	0.098	0.110		0.125	23.18
17)	T	Carbon Disulfide	2.142	2.315	2.083	1.939	2.092	1.669	2.040	10.70
18)	T	Methyl Acetate	0.378	0.474	0.351	0.350	0.391	0.292	0.373	16.13
19)	T	Methyl tert-bu...	1.542	1.799	1.584	1.663	1.652	1.466	1.618	7.10
20)	T	Methylene Chlo...	0.766	0.758	0.683	0.617	0.665	0.596	0.681	10.29
21)	T	trans-1,2-Dich...	0.707	0.771	0.703	0.710	0.692	0.636	0.703	6.17
22)	T	Diisopropyl ether	2.216	2.452	2.235	2.286	2.216	1.971	2.229	6.95
23)	T	Vinyl Acetate	1.175	1.418	1.245	1.314	1.295	1.129	1.263	8.20
24)	P	1,1-Dichloroet...	1.333	1.401	1.307	1.323	1.300	1.173	1.306	5.70
25)	T	2-Butanone	0.228	0.245	0.191	0.197	0.195	0.166	0.204	13.90
26)	T	2,2-Dichloropr...	1.451	1.366	1.219	1.184	1.146	1.041	1.235	12.13
27)	T	cis-1,2-Dichlo...	0.827	0.875	0.815	0.817	0.797	0.724	0.809	6.09
28)	T	Bromochloromet...	0.427	0.436	0.353	0.495	0.501	0.432	0.441	12.27
29)	T	Tetrahydrofuran	0.116	0.154	0.126	0.133	0.132	0.110	0.128	11.76
30)	C	Chloroform	2.069	1.768	1.465	1.378	1.302	1.186	1.528	21.59#
31)	T	Cyclohexane	1.443	1.388	1.247	1.198	1.160	1.056	1.249	11.59
32)	T	1,1,1-Trichlor...	1.219	1.298	1.215	1.198	1.183	1.086	1.200	5.72
33)	S	1,2-Dichloroet...	0.636	0.619	0.487	0.569	0.507	0.467	0.548	12.97
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.404	0.385	0.328	0.360	0.325	0.313	0.352	10.37
36)	T	1,1-Dichloropr...	0.688	0.691	0.637	0.637	0.622	0.581	0.643	6.46
37)	T	Ethyl Acetate	0.296	0.379	0.290	0.298	0.296	0.255	0.302	13.52
38)	T	Carbon Tetrach...	0.730	0.768	0.715	0.701	0.697	0.656	0.711	5.21
39)	T	Methylcyclohexane	0.883	0.883	0.848	0.832	0.812	0.766	0.837	5.33
40)	TM	Benzene	1.927	2.055	1.900	1.859	1.847	1.713	1.883	5.95
41)	T	Methacrylonitrile	0.147	0.186	0.146	0.154	0.183	0.143	0.160	12.38
42)	TM	1,2-Dichloroet...	0.502	0.546	0.499	0.500	0.498	0.452	0.500	5.98
43)	T	Isopropyl Acetate	0.519	0.671	0.554	0.582	0.589	0.518	0.572	9.93
44)	TM	Trichloroethene	0.481	0.501	0.462	0.458	0.453	0.422	0.463	5.82
45)	C	1,2-Dichloropr...	0.442	0.473	0.450	0.434	0.440	0.401	0.440	5.30#
46)	T	Dibromomethane	0.232	0.262	0.230	0.231	0.233	0.209	0.233	7.18
47)	T	Bromodichlorom...	0.626	0.672	0.632	0.632	0.627	0.581	0.628	4.57
48)	T	Methyl methacr...	0.254	0.305	0.259	0.276	0.286	0.252	0.272	7.69
49)	T	1,4-Dioxane	0.002	0.003	0.002	0.003	0.003	0.002	0.003	10.37
50)	S	Toluene-d8	1.445	1.314	1.127	1.271	1.143	1.100	1.233	10.88
51)	T	4-Methyl-2-Pen...	0.297	0.364	0.290	0.299	0.301	0.261	0.302	11.09
52)	CM	Toluene	1.176	1.247	1.185	1.167	1.165	1.082	1.170	4.52#
53)	T	t-1,3-Dichloro...	0.534	0.638	0.572	0.602	0.611	0.556	0.586	6.55
54)	T	cis-1,3-Dichlo...	0.661	0.742	0.694	0.706	0.714	0.646	0.694	5.08
55)	T	1,1,2-Trichlor...	0.308	0.344	0.306	0.303	0.309	0.276	0.308	7.06

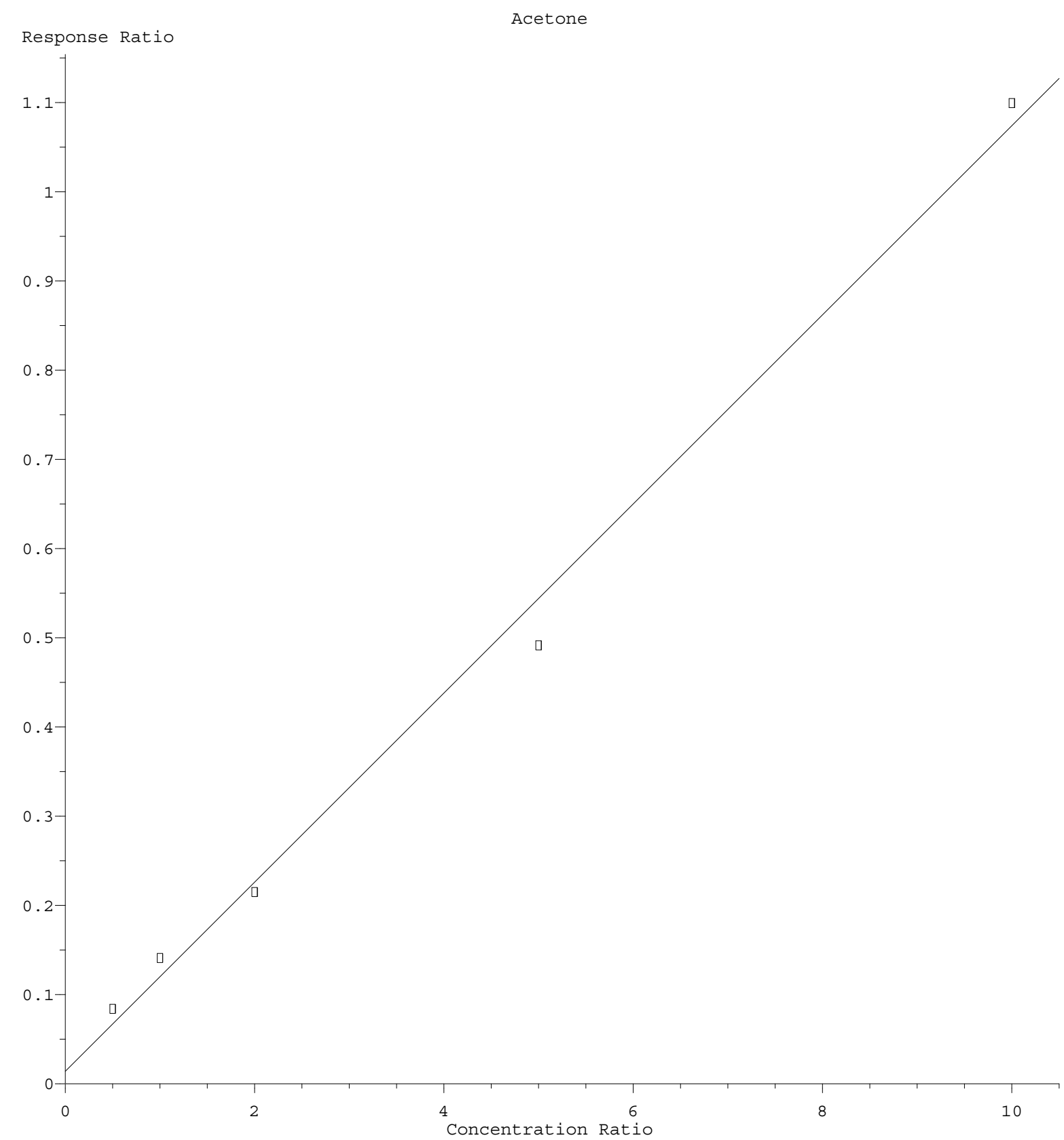
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y121724S.M

56)	T	Ethyl methacry...	0.388	0.485	0.422	0.460	0.487	0.435	0.446	8.63
57)	T	1,3-Dichloropr...	0.534	0.609	0.544	0.555	0.554	0.495	0.548	6.71
58)	T	2-Chloroethyl ...	0.185	0.197	0.176	0.172	0.198	0.198	0.188	6.28
59)	T	2-Hexanone	0.180	0.225	0.183	0.199	0.202	0.175	0.194	9.55
60)	T	Dibromochlorom...	0.396	0.447	0.402	0.420	0.421	0.381	0.411	5.67
61)	T	1,2-Dibromoethane	0.277	0.319	0.281	0.288	0.290	0.261	0.286	6.70
62)	S	4-Bromofluorob...	0.585	0.538	0.448	0.480	0.433	0.412	0.482	13.88
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.533	0.505	0.464	0.452	0.446	0.422	0.470	8.71
65)	PM	Chlorobenzene	1.441	1.501	1.397	1.374	1.381	1.293	1.398	4.99
66)	T	1,1,1,2-Tetrac...	0.479	0.529	0.468	0.474	0.476	0.443	0.478	5.88
67)	C	Ethyl Benzene	2.633	2.747	2.583	2.556	2.543	2.414	2.579	4.24#
68)	T	m/p-Xylenes	0.984	1.031	0.951	0.953	0.942	0.892	0.959	4.82
69)	T	o-Xylene	0.894	0.956	0.892	0.898	0.887	0.842	0.895	4.07
70)	T	Styrene	1.478	1.586	1.496	1.502	1.501	1.406	1.495	3.85
71)	P	Bromoform	0.262	0.302	0.256	0.270	0.272	0.250	0.269	6.86
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	4.401	4.636	4.451	4.356	4.284	4.051	4.363	4.43
74)	T	N-amyl acetate	0.867	1.133	0.999	1.067	1.088	0.972	1.021	9.36
75)	P	1,1,2,2-Tetrac...	0.689	0.804	0.702	0.710	0.710	0.635	0.708	7.72
76)	T	1,2,3-Trichlor...	0.532	0.581	0.520	0.522	0.511	0.450	0.519	8.11
77)	T	Bromobenzene	0.974	1.007	0.953	0.947	0.944	0.877	0.950	4.50
78)	T	n-propylbenzene	5.307	5.566	5.397	5.283	5.151	4.837	5.257	4.71
79)	T	2-Chlorotoluene	3.020	3.114	3.012	2.940	2.932	2.727	2.958	4.42
80)	T	1,3,5-Trimethy...	3.616	3.701	3.622	3.560	3.473	3.270	3.540	4.30
81)	T	trans-1,4-Dich...	0.212	0.270	0.247	0.256	0.262	0.237	0.247	8.45
82)	T	4-Chlorotoluene	3.264	3.185	3.123	3.059	2.993	2.786	3.068	5.46
83)	T	tert-Butylbenzene	3.188	3.378	3.288	3.215	3.178	2.992	3.206	4.02
84)	T	1,2,4-Trimethy...	3.454	3.660	3.534	3.536	3.429	3.224	3.473	4.21
85)	T	sec-Butylbenzene	4.806	4.894	4.777	4.690	4.543	4.263	4.662	4.91
86)	T	p-Isopropyltol...	3.838	3.975	3.951	3.916	3.809	3.574	3.844	3.82
87)	T	1,3-Dichlorobe...	1.966	1.982	1.912	1.864	1.832	1.702	1.876	5.47
88)	T	1,4-Dichlorobe...	2.008	1.980	1.852	1.832	1.797	1.680	1.858	6.54
89)	T	n-Butylbenzene	3.625	3.755	3.736	3.749	3.599	3.393	3.643	3.82
90)	T	Hexachloroethane	0.774	0.794	0.764	0.764	0.753	0.720	0.762	3.23
91)	T	1,2-Dichlorobe...	1.694	1.735	1.614	1.606	1.602	1.501	1.626	5.01
92)	T	1,2-Dibromo-3-...	0.116	0.133	0.107	0.113	0.114	0.107	0.115	8.44
93)	T	1,2,4-Trichlor...	0.964	0.975	0.927	1.014	1.030	0.990	0.983	3.76
94)	T	Hexachlorobuta...	0.667	0.650	0.636	0.657	0.634	0.613	0.643	2.97
95)	T	Naphthalene	1.437	1.669	1.528	1.768	1.906	1.808	1.686	10.52
96)	T	1,2,3-Trichlor...	0.813	0.798	0.791	0.864	0.874	0.846	0.831	4.25

(#) = Out of Range



Response = 1.172e+000 * Amt + 1.389e-001
Coef of Det (r^2) = 0.996566 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y121724S.M
Calibration Table Last Updated: Wed Dec 18 05:27:13 2024



Response = 1.060e-001 * Amt + 1.400e-002
Coef of Det (r^2) = 0.993909 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y121724S.M
Calibration Table Last Updated: Wed Dec 18 05:27:13 2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020613.D
Acq On : 17 Dec 2024 10:01
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 04:50:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	170610	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	263150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	228550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	127910	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	21133	11.310	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	22.620%#		
35) Dibromofluoromethane	7.634	113	20262	10.925	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.860%#		
50) Toluene-d8	10.103	98	69155	10.653	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	21.300%#		
62) 4-Bromofluorobenzene	12.401	95	28323	11.154	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	22.300%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	23136	10.857	ug/l	100
3) Chloromethane	2.068	50	16735	10.599	ug/l	98
4) Vinyl Chloride	2.202	62	15133	10.297	ug/l	98
5) Bromomethane	2.598	94	9934	10.516	ug/l	95
6) Chloroethane	2.732	64	9308	10.249	ug/l	93
7) Trichlorofluoromethane	3.062	101	33462	10.882	ug/l	97
8) Diethyl Ether	3.458	74	11799	10.941	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.824	101	24382	11.062	ug/l	99
10) Methyl Iodide	4.007	142	27400	11.166	ug/l	96
11) Tert butyl alcohol	4.842	59	18830	72.145	ug/l #	90
12) 1,1-Dichloroethene	3.793	96	23914	11.182	ug/l	98
13) Acrolein	3.653	56	6650	75.266	ug/l	100
14) Allyl chloride	4.385	41	42157	11.250	ug/l	98
15) Acrylonitrile	5.061	53	30489	59.095	ug/l	99
16) Acetone	3.873	43	24059	59.918	ug/l	92
17) Carbon Disulfide	4.110	76	79000	11.348	ug/l	98
18) Methyl Acetate	4.391	43	16164	12.714	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	61370	11.118	ug/l	99
20) Methylene Chloride	4.622	84	25848	11.126	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	26315	10.969	ug/l	97
22) Diisopropyl ether	6.018	45	83653	10.997	ug/l	94
23) Vinyl Acetate	5.964	43	241892	56.147	ug/l	100
24) 1,1-Dichloroethane	5.915	63	47807	10.728	ug/l	99
25) 2-Butanone	6.896	43	41782	60.169	ug/l	100
26) 2,2-Dichloropropane	6.884	77	46620	11.067	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	29841	10.812	ug/l	97
28) Bromochloromethane	7.250	49	14872	9.894	ug/l	98
29) Tetrahydrofuran	7.262	42	26233	59.842	ug/l	99
30) Chloroform	7.421	83	60327	9.156	ug/l	98
31) Cyclohexane	7.701	56	47368	11.117	ug/l #	93
32) 1,1,1-Trichloroethane	7.616	97	44299	10.820	ug/l	100
36) 1,1-Dichloropropene	7.835	75	36347	10.748	ug/l	99
37) Ethyl Acetate	6.982	43	19950	12.541	ug/l	99
38) Carbon Tetrachloride	7.823	117	40394	10.796	ug/l	95
39) Methylcyclohexane	9.103	83	46462	10.541	ug/l	97
40) Benzene	8.079	78	108150	10.910	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020613.D
Acq On : 17 Dec 2024 10:01
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Dec 18 04:50:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	9800	11.653	ug/l		95
42) 1,2-Dichloroethane	8.158	62	28739	10.931	ug/l		98
43) Isopropyl Acetate	8.195	43	35299	11.721	ug/l	#	88
44) Trichloroethene	8.866	130	26388	10.834	ug/l		96
45) 1,2-Dichloropropane	9.140	63	24889	10.743	ug/l		100
46) Dibromomethane	9.231	93	13764	11.242	ug/l		99
47) Bromodichloromethane	9.420	83	35352	10.689	ug/l		98
48) Methyl methacrylate	9.219	41	16060	11.218	ug/l		99
49) 1,4-Dioxane	9.225	88	3340	237.872	ug/l	#	95
51) 4-Methyl-2-Pentanone	9.999	43	95663	60.180	ug/l		100
52) Toluene	10.170	92	65651	10.657	ug/l		98
53) t-1,3-Dichloropropene	10.390	75	33566	10.892	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	39068	10.698	ug/l		93
55) 1,1,2-Trichloroethane	10.573	97	18100	11.181	ug/l		96
56) Ethyl methacrylate	10.438	69	25543	10.877	ug/l		99
57) 1,3-Dichloropropane	10.713	76	32029	11.099	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	51913	52.537	ug/l		100
59) 2-Hexanone	10.755	43	59126	57.933	ug/l		100
60) Dibromochloromethane	10.908	129	23549	10.878	ug/l		99
61) 1,2-Dibromoethane	11.012	107	16807	11.162	ug/l		99
64) Tetrachloroethene	10.646	164	23098	10.744	ug/l		96
65) Chlorobenzene	11.438	112	68621	10.738	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.511	131	24180	11.065	ug/l		98
67) Ethyl Benzene	11.518	91	125547	10.649	ug/l		99
68) m/p-Xylenes	11.627	106	94273	21.506	ug/l		98
69) o-Xylene	11.950	106	43697	10.684	ug/l		100
70) Styrene	11.969	104	72514	10.612	ug/l		99
71) Bromoform	12.127	173	13822	11.250	ug/l	#	100
73) Isopropylbenzene	12.255	105	118590	10.624	ug/l		99
74) N-amyl acetate	12.066	43	28977	11.093	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	20569	11.352	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	14870m	11.287	ug/l		
77) Bromobenzene	12.530	156	25752	10.591	ug/l		97
78) n-propylbenzene	12.597	91	142396	10.588	ug/l		100
79) 2-Chlorotoluene	12.676	91	79651	10.527	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	94672	10.453	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	6908	10.913	ug/l		93
82) 4-Chlorotoluene	12.773	91	81482	10.380	ug/l		98
83) tert-Butylbenzene	12.993	119	86405	10.534	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	93630	10.539	ug/l		98
85) sec-Butylbenzene	13.176	105	125189	10.497	ug/l		99
86) p-Isopropyltoluene	13.292	119	101690	10.342	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	50691	10.561	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	50665	10.658	ug/l		97
89) n-Butylbenzene	13.615	91	96052	10.307	ug/l		99
90) Hexachloroethane	13.877	117	20324	10.430	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	44391	10.674	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3406	11.579	ug/l		91
93) 1,2,4-Trichlorobenzene	14.919	180	24954	9.920	ug/l		98
94) Hexachlorobutadiene	15.023	225	16620	10.107	ug/l		97
95) Naphthalene	15.145	128	42698	9.901	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	20408	9.602	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020613.D
Acq On : 17 Dec 2024 10:01
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 04:50:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

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

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

ICAL Form

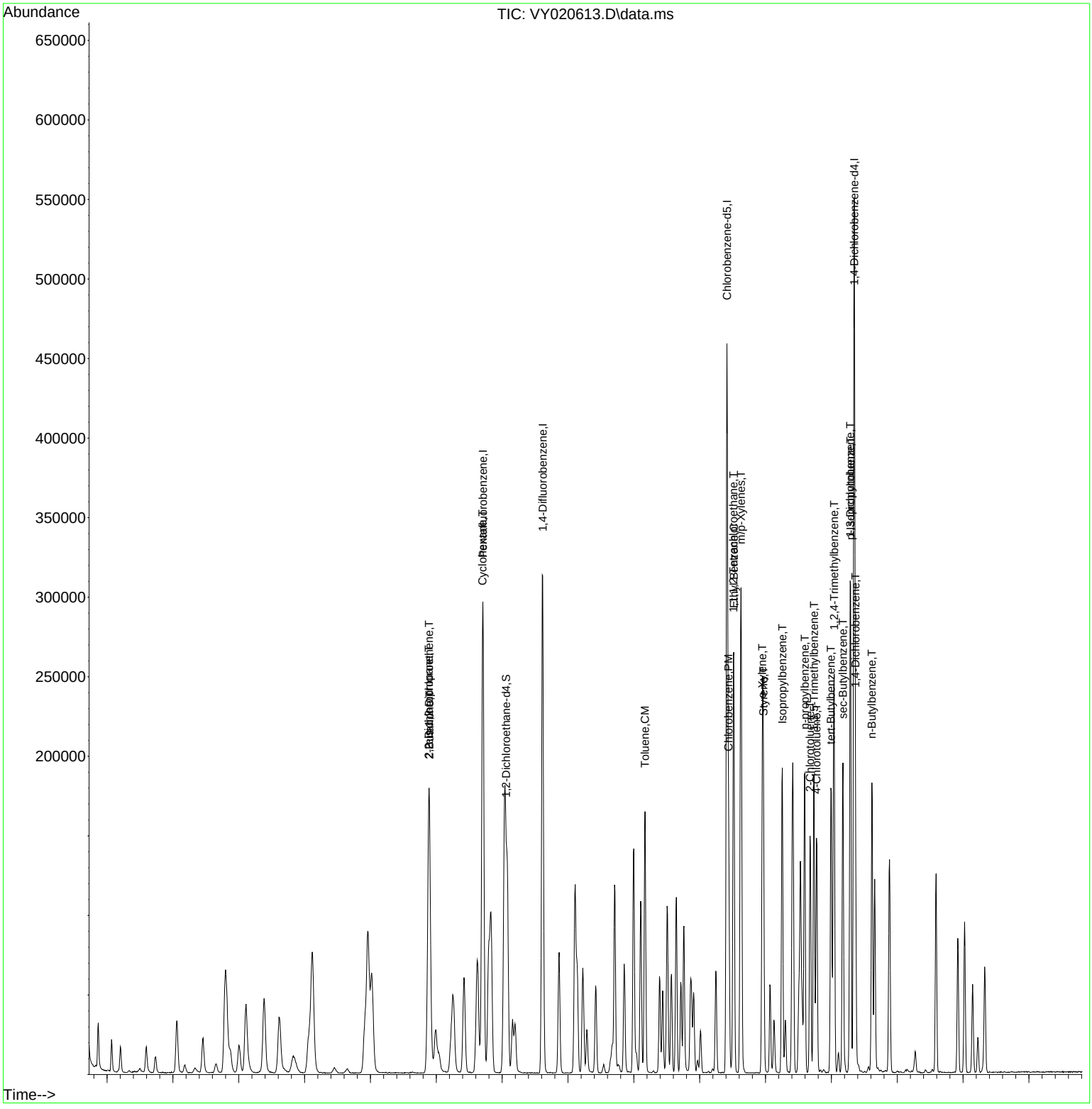
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020613.D
Acq On : 17 Dec 2024 10:01
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

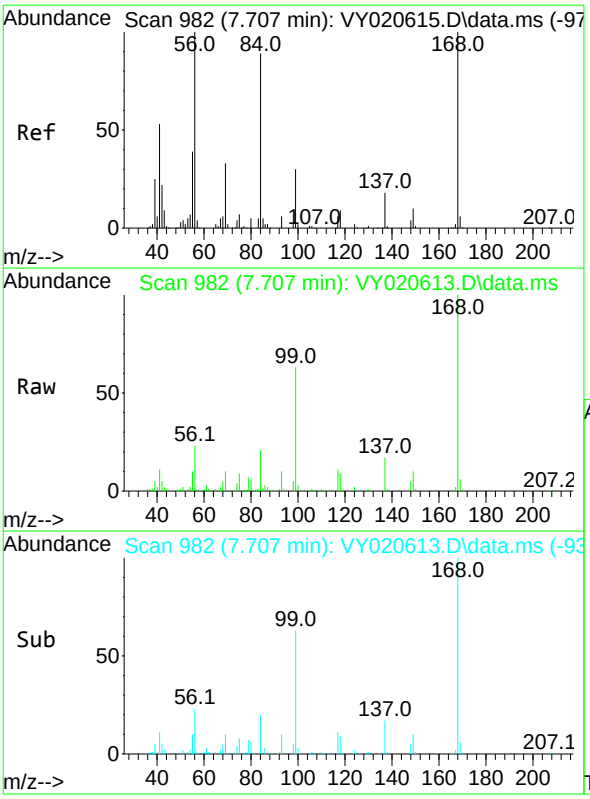
Quant Time: Dec 18 04:50:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

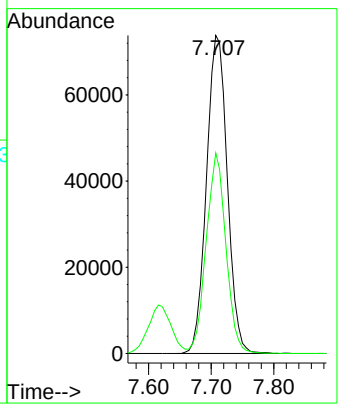




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:168 Resp: 170610

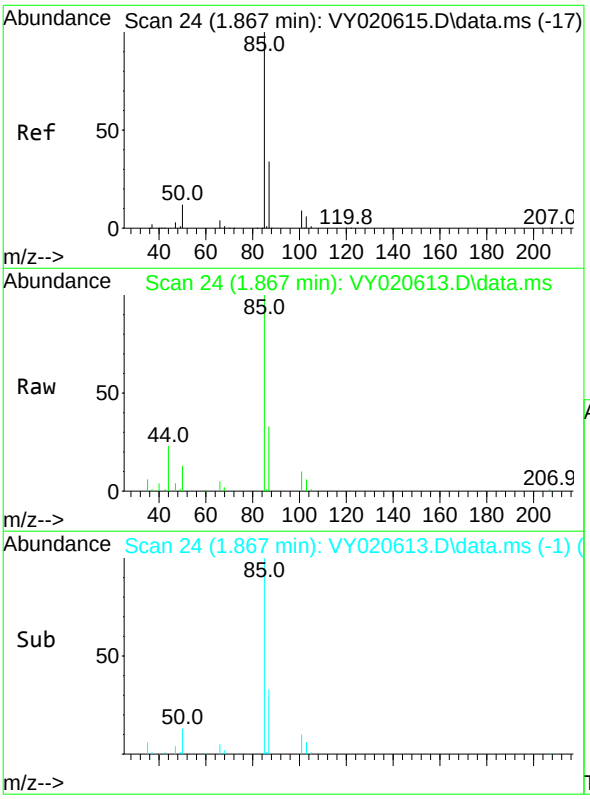
Ion	Ratio	Lower	Upper
168	100		
99	62.9	47.0	70.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

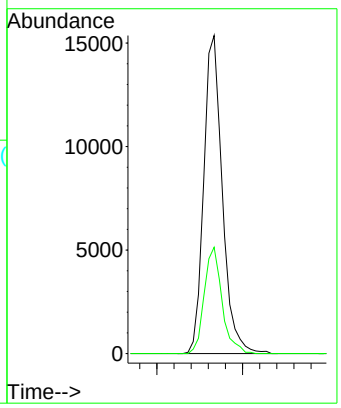
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

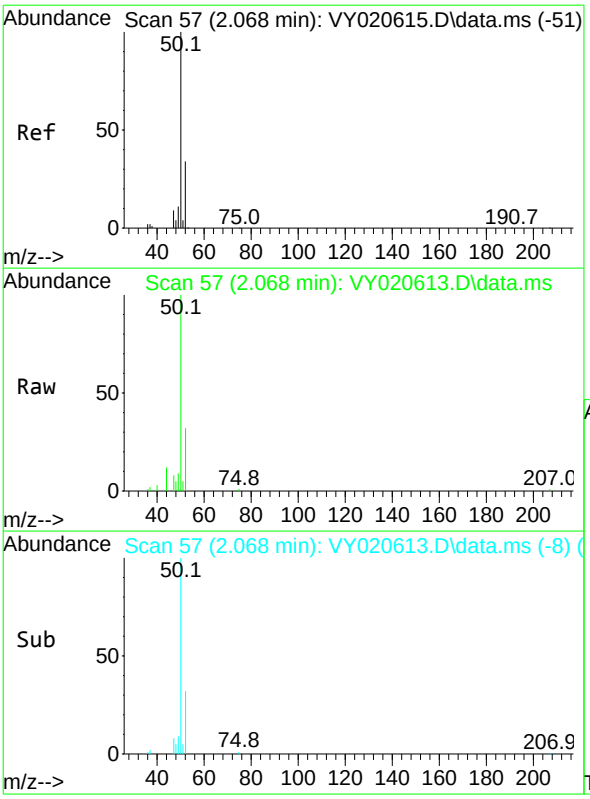


#2
Dichlorodifluoromethane
Concen: 10.857 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 85 Resp: 23136

Ion	Ratio	Lower	Upper
85	100		
87	33.4	16.8	50.3

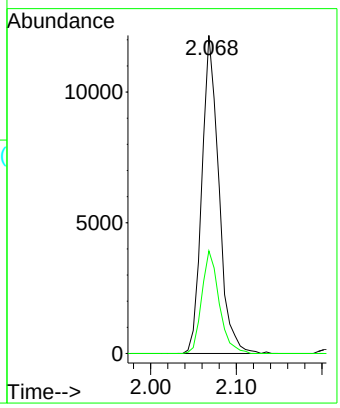




#3
Chloromethane
Concen: 10.599 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 50 Resp: 16735

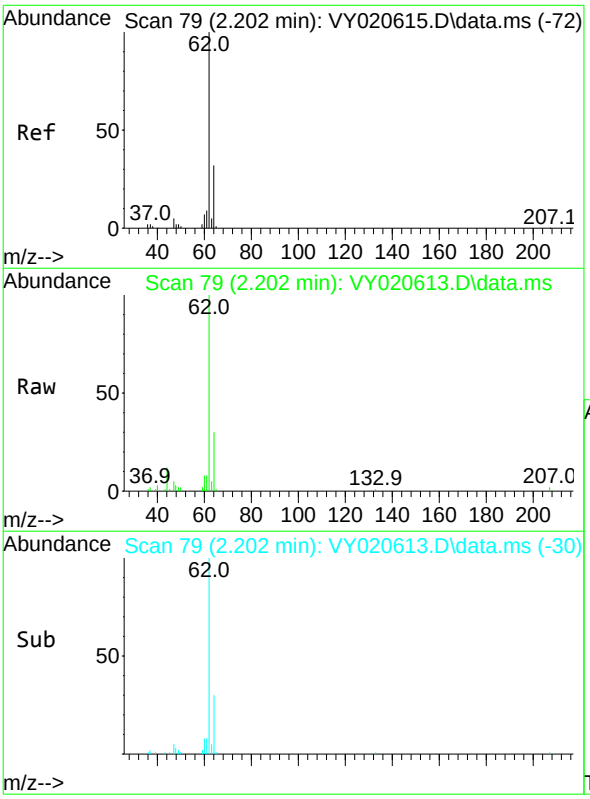
Ion	Ratio	Lower	Upper
50	100		
52	32.3	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

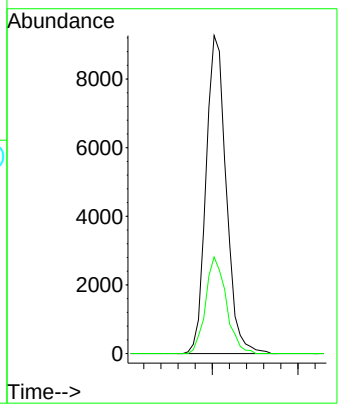
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

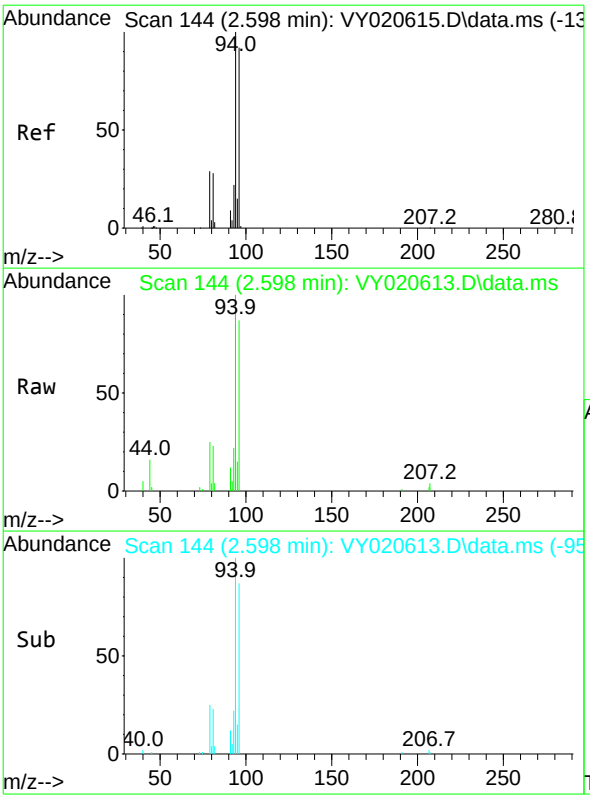


#4
Vinyl Chloride
Concen: 10.297 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 62 Resp: 15133

Ion	Ratio	Lower	Upper
62	100		
64	30.4	25.3	37.9

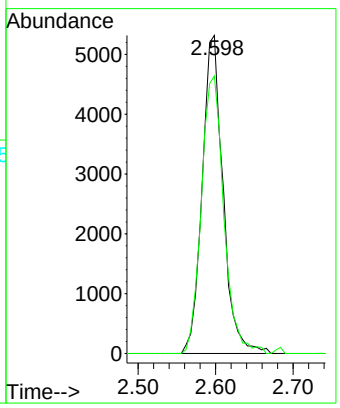




#5
Bromomethane
Concen: 10.516 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 94 Resp: 9934

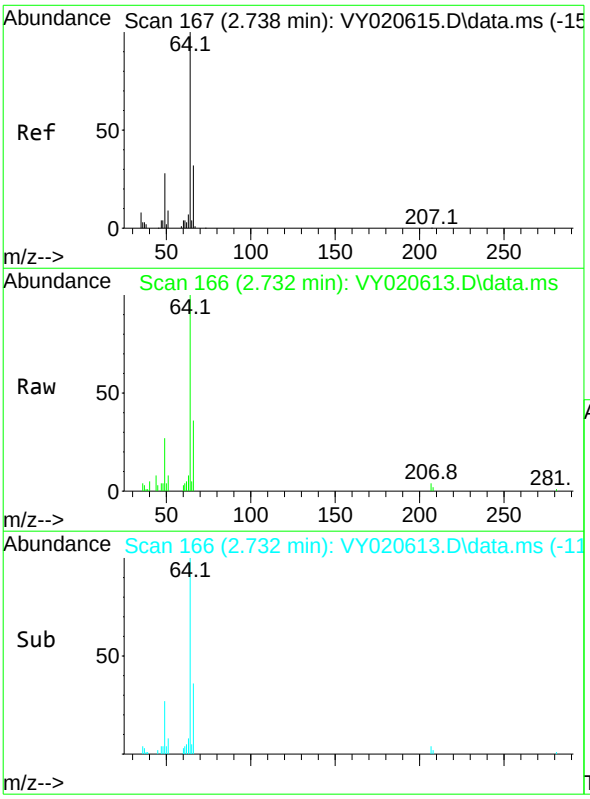
Ion	Ratio	Lower	Upper
94	100		
96	87.3	73.8	110.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

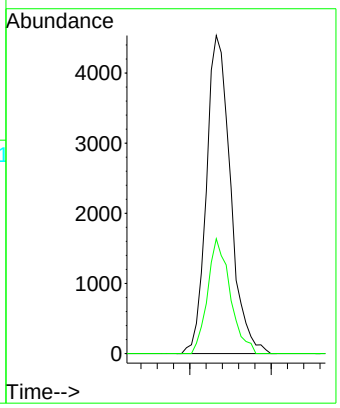
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

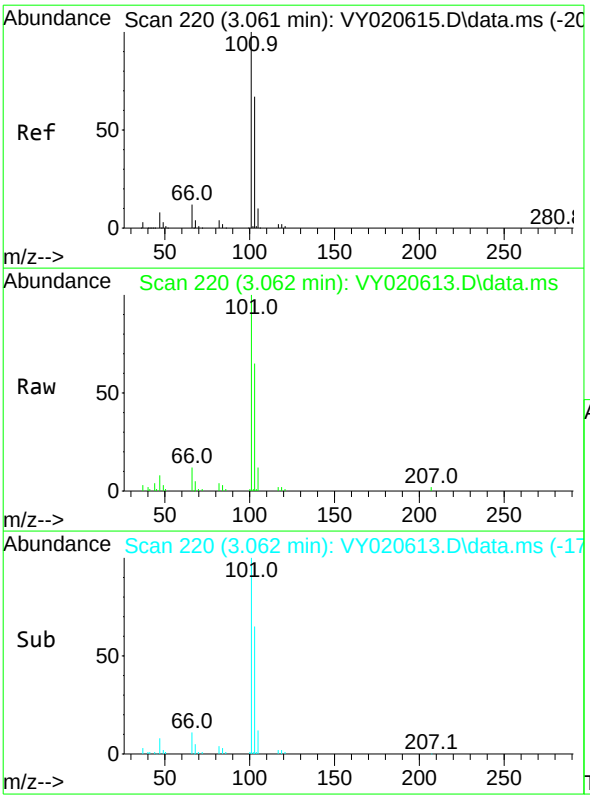


#6
Chloroethane
Concen: 10.249 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 64 Resp: 9308

Ion	Ratio	Lower	Upper
64	100		
66	36.1	25.8	38.6

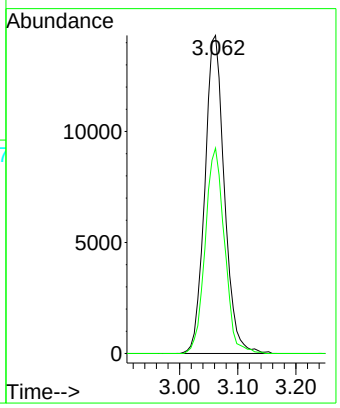




#7
Trichlorofluoromethane
Concen: 10.882 ug/l
RT: 3.062 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:101 Resp: 33462

Ion	Ratio	Lower	Upper
101	100		
103	64.6	53.4	80.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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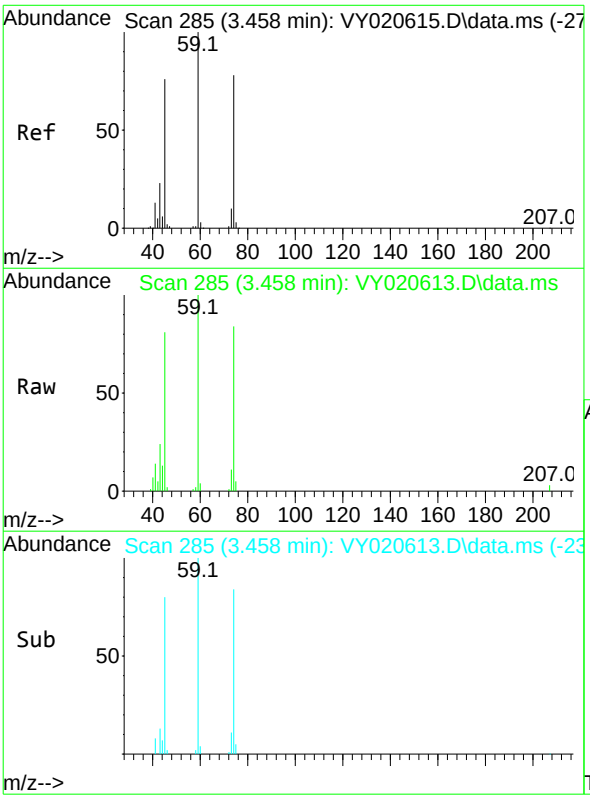
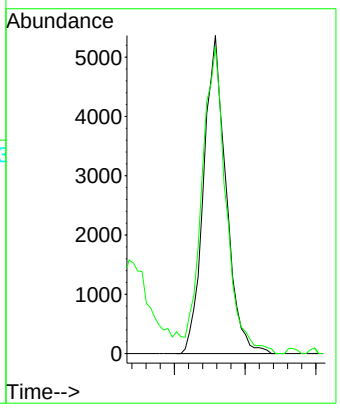
Supervised By :Semsettin Yesilyurt 12/18/2024

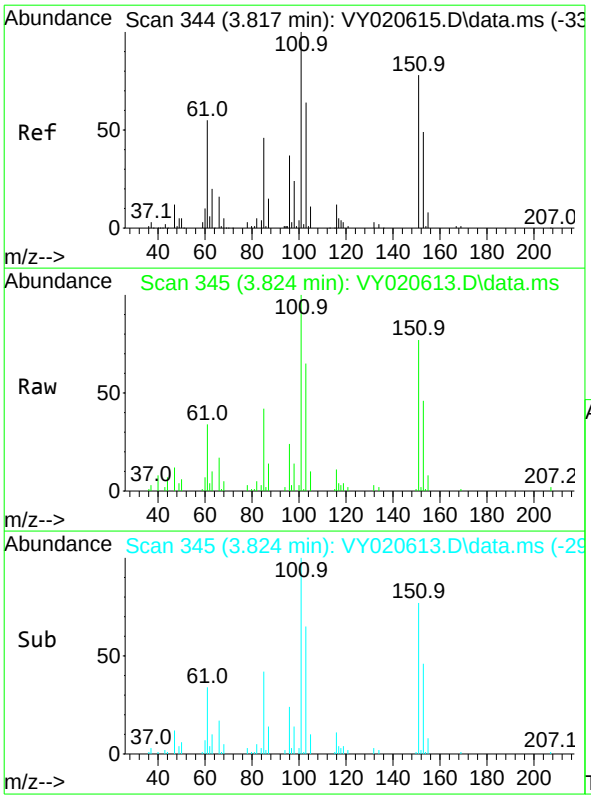


#8
Diethyl Ether
Concen: 10.941 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 74 Resp: 11799

Ion	Ratio	Lower	Upper
74	100		
45	103.6	49.0	147.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.062 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 24382

Ion	Ratio	Lower	Upper
101	100		
85	46.3	36.6	54.8
151	78.2	61.5	92.3

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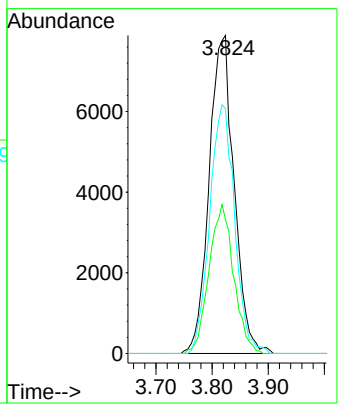
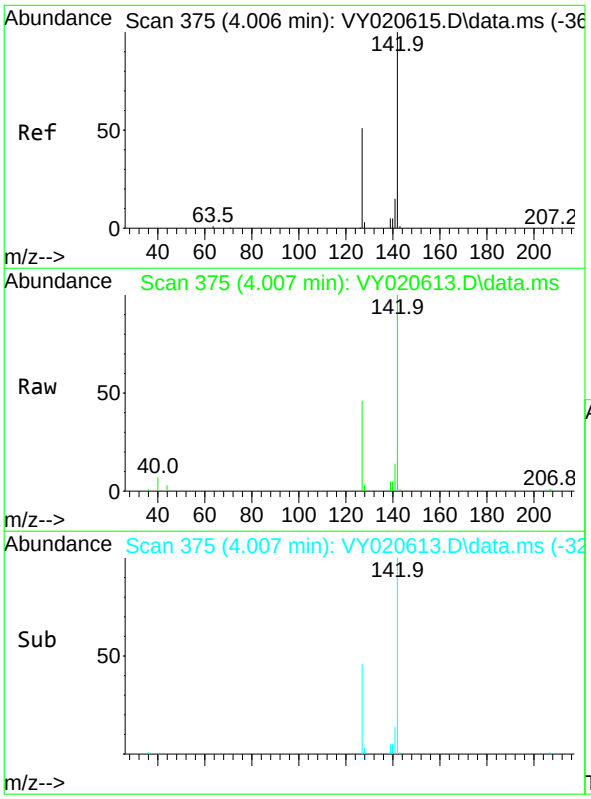
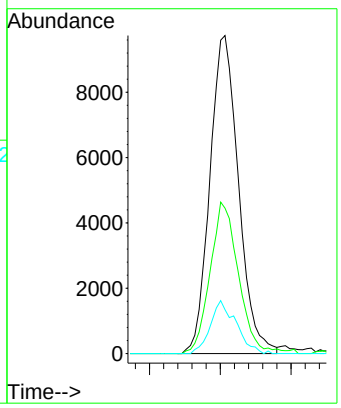


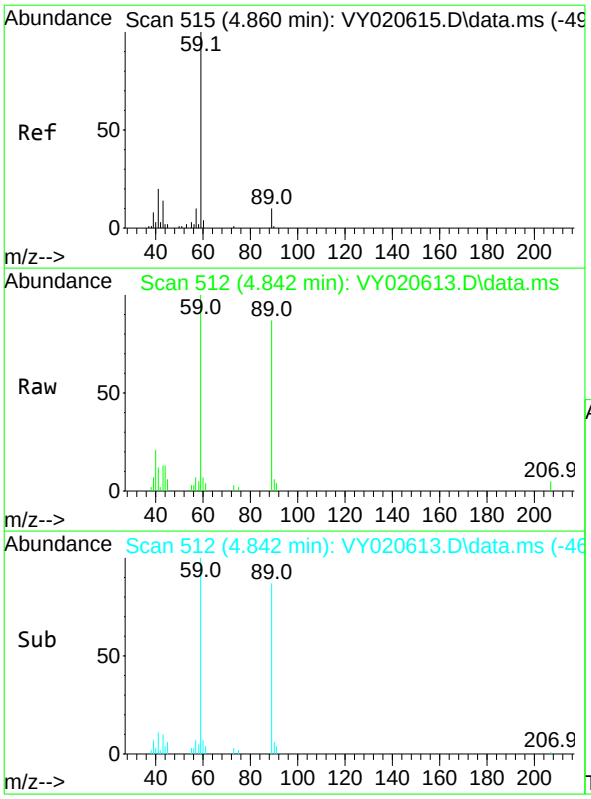


#10
Methyl Iodide
Concen: 11.166 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.001 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:142 Resp: 27400

Ion	Ratio	Lower	Upper
142	100		
127	47.4	40.6	61.0
141	15.0	11.7	17.5

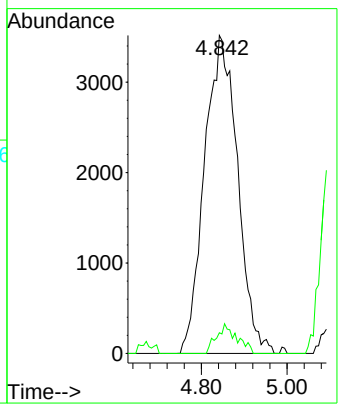




#11
Tert butyl alcohol
Concen: 72.145 ug/l
RT: 4.842 min Scan# 51
Delta R.T. -0.018 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 59 Resp: 18830

Ion	Ratio	Lower	Upper
59	100		
57	5.7	7.4	11.0#



Instrument :
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ClientSampleId :
VSTDICC010

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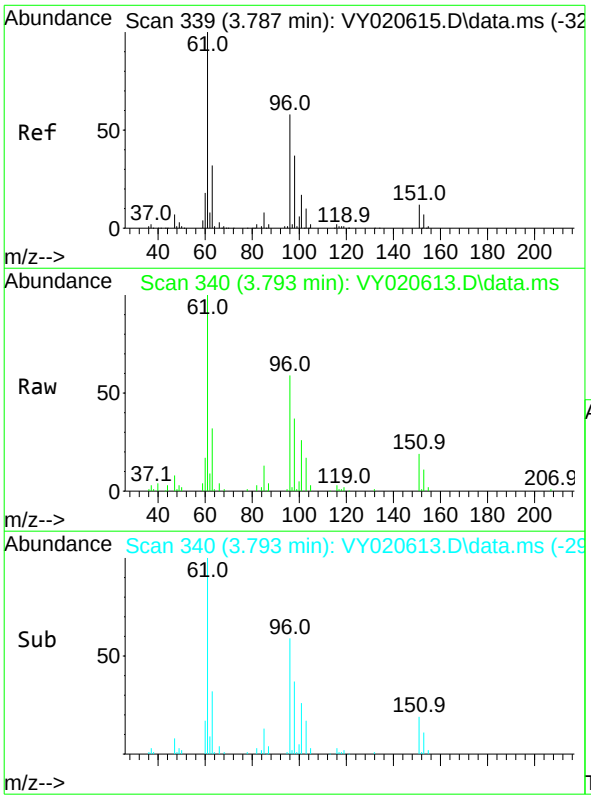
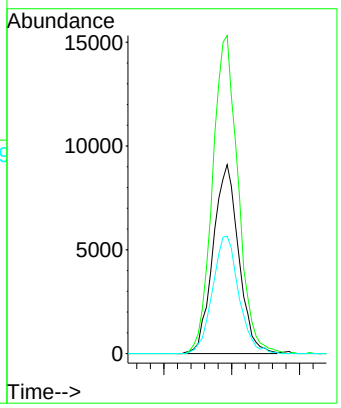
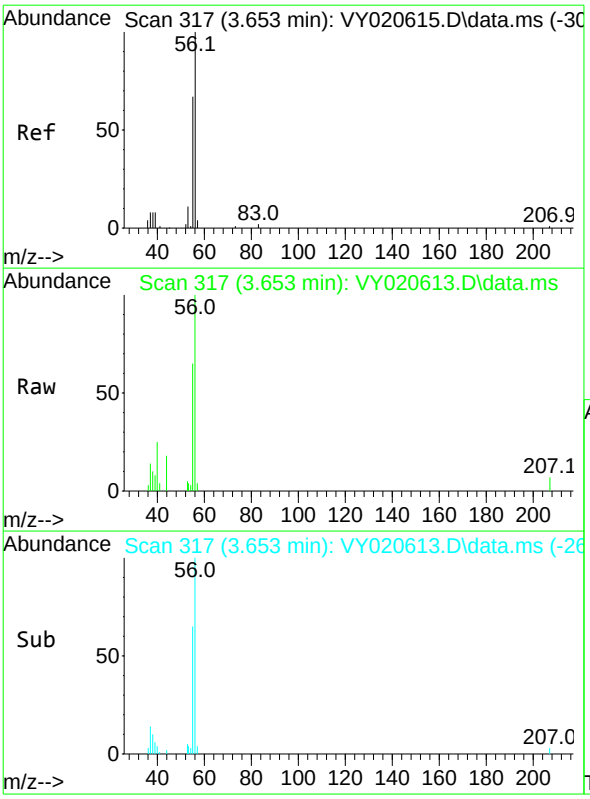


#12
1,1-Dichloroethene
Concen: 11.182 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 96 Resp: 23914

Ion	Ratio	Lower	Upper
96	100		
61	168.3	136.9	205.3
98	62.2	50.2	75.4

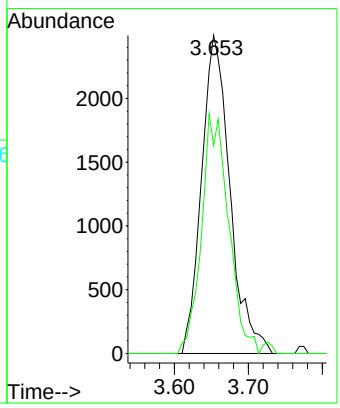




#13
Acrolein
Concen: 75.266 ug/l
RT: 3.653 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 56 Resp: 6650

Ion	Ratio	Lower	Upper
56	100		
55	71.7	57.5	86.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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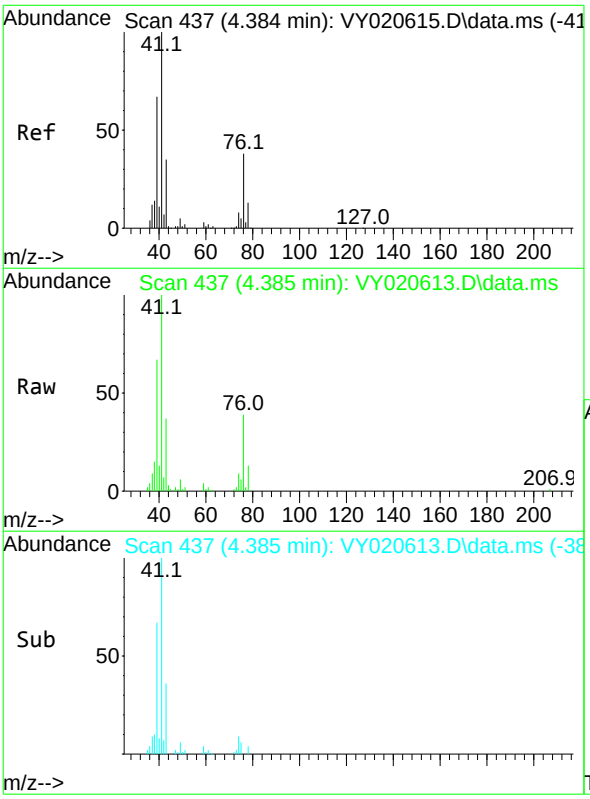
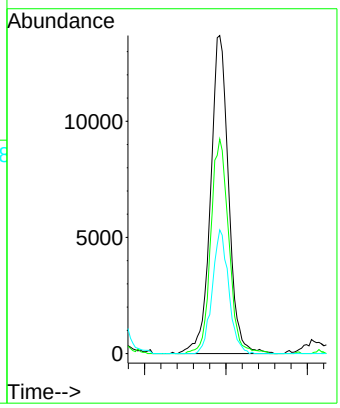
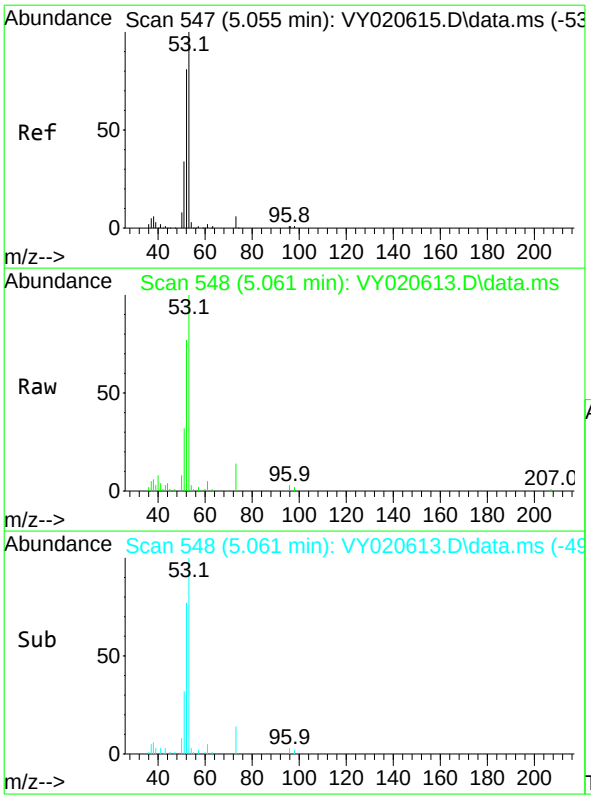


#14
Allyl chloride
Concen: 11.250 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 41 Resp: 42157

Ion	Ratio	Lower	Upper
41	100		
39	67.0	53.0	79.4
76	35.2	29.5	44.3

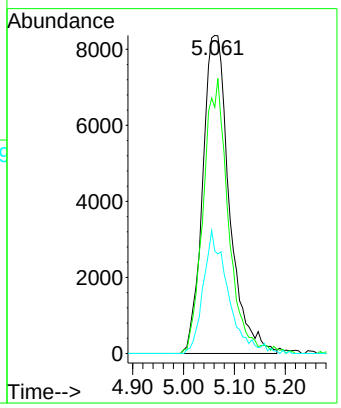




#15
Acrylonitrile
Concen: 59.095 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 53 Resp: 30489

Ion	Ratio	Lower	Upper
53	100		
52	80.7	64.5	96.7
51	35.1	29.4	44.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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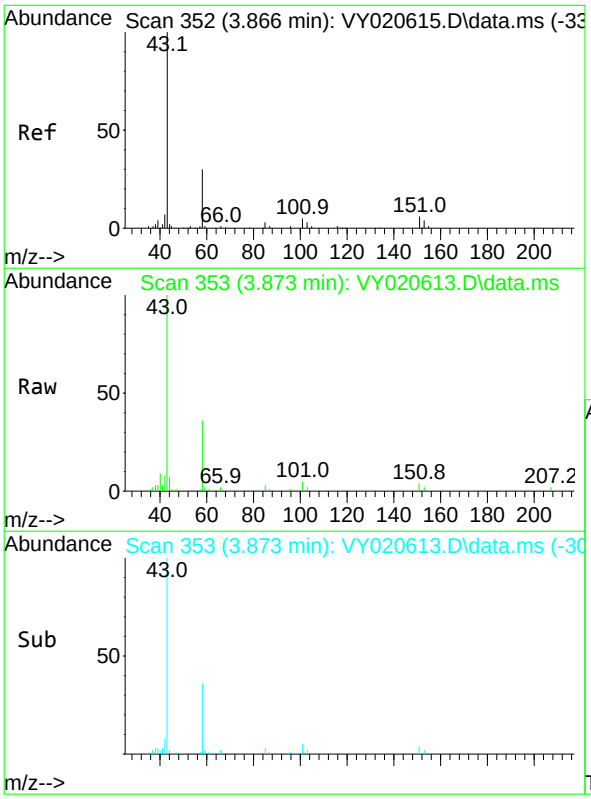
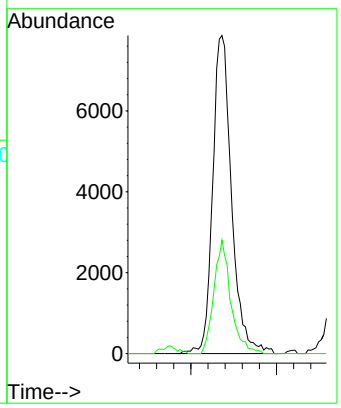
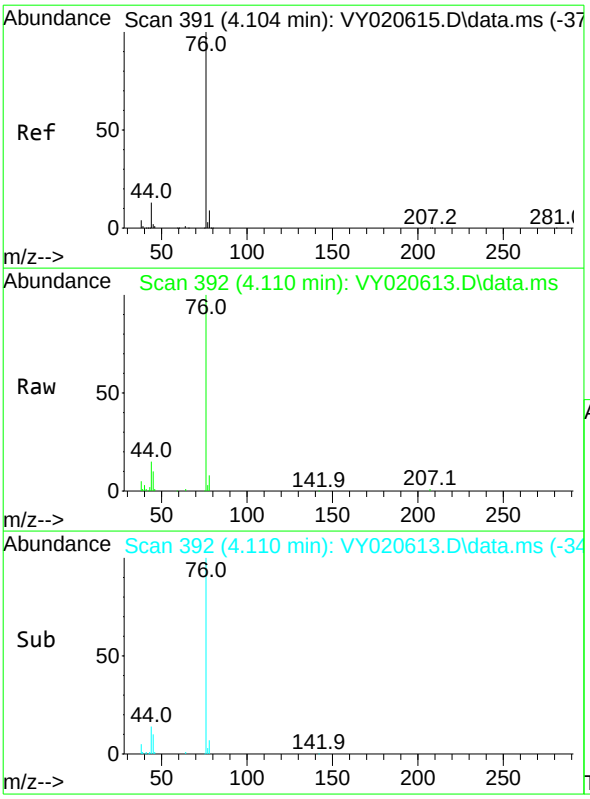


#16
Acetone
Concen: 59.918 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.007 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 43 Resp: 24059

Ion	Ratio	Lower	Upper
43	100		
58	35.8	25.0	37.6

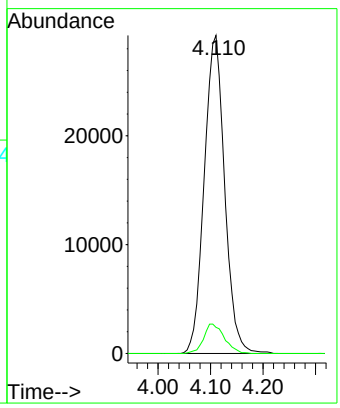




#17
Carbon Disulfide
Concen: 11.348 ug/l
RT: 4.110 min Scan# 39
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 76 Resp: 79000

Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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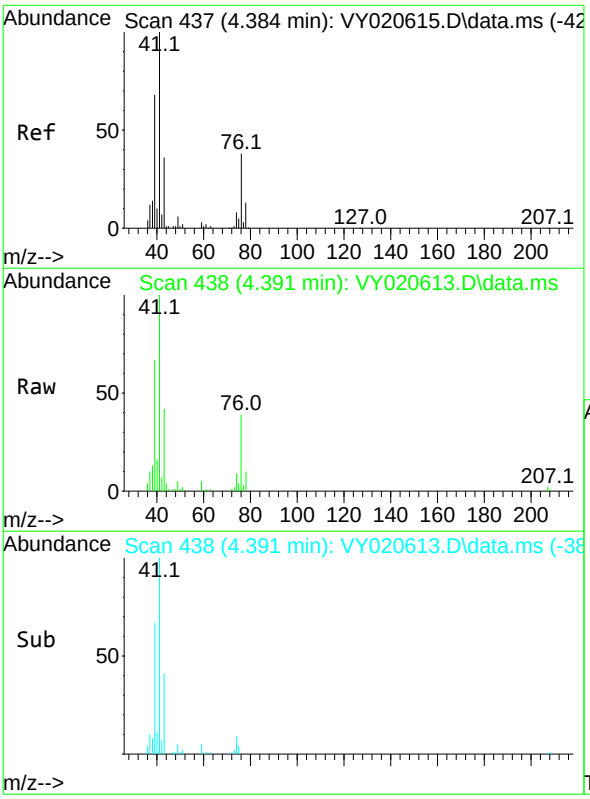
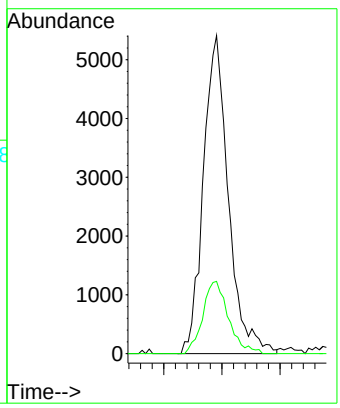
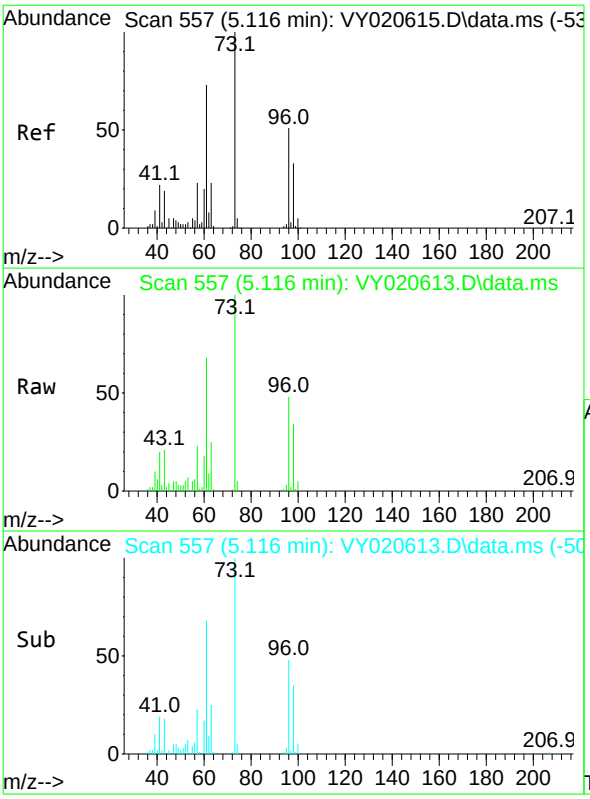


#18
Methyl Acetate
Concen: 12.714 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 43 Resp: 16164

Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.2	28.8

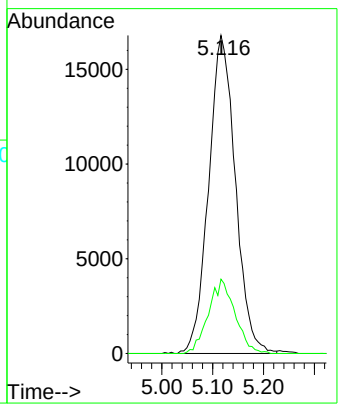




#19
Methyl tert-butyl Ether
Concen: 11.118 ug/l
RT: 5.116 min Scan# 55
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 73 Resp: 61370

Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.5	27.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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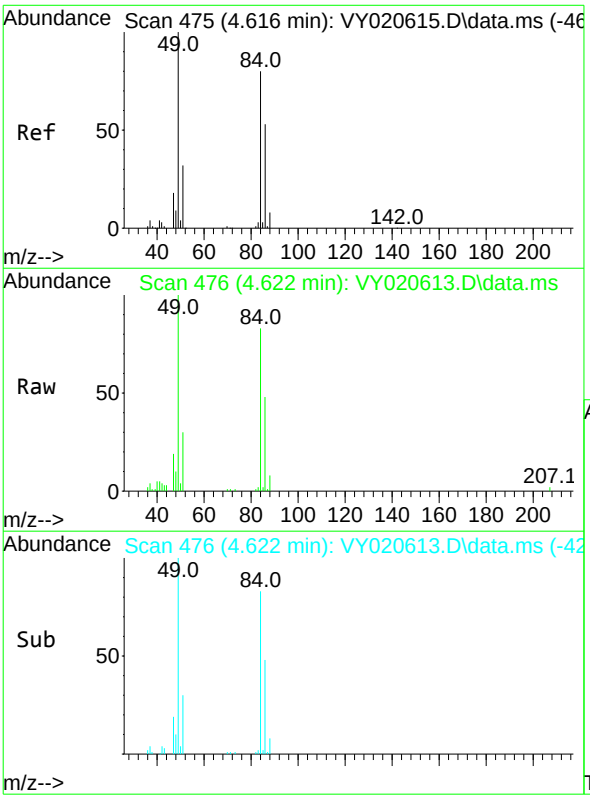
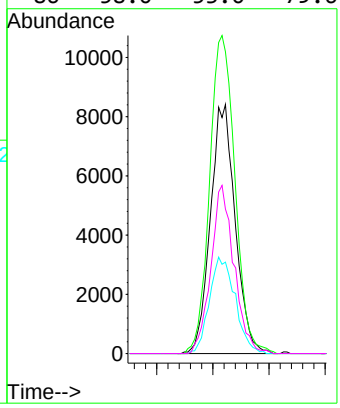
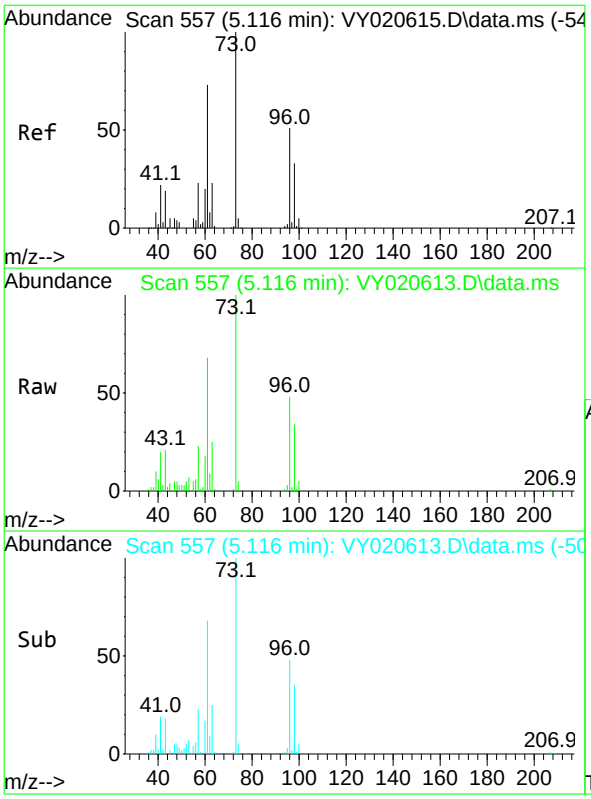


#20
Methylene Chloride
Concen: 11.126 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 84 Resp: 25848

Ion	Ratio	Lower	Upper
84	100		
49	121.1	100.7	151.1
51	36.7	32.2	48.2
86	58.0	53.0	79.6

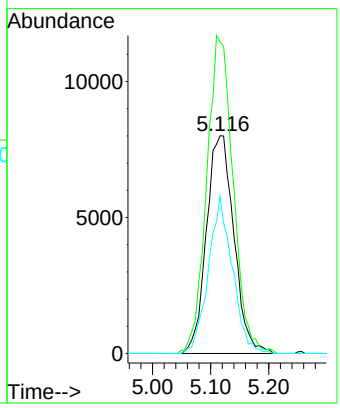




#21
trans-1,2-Dichloroethene
Concen: 10.969 ug/l
RT: 5.116 min Scan# 55
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 96 Resp: 26315

Ion	Ratio	Lower	Upper
96	100		
61	143.1	113.7	170.5
98	71.9	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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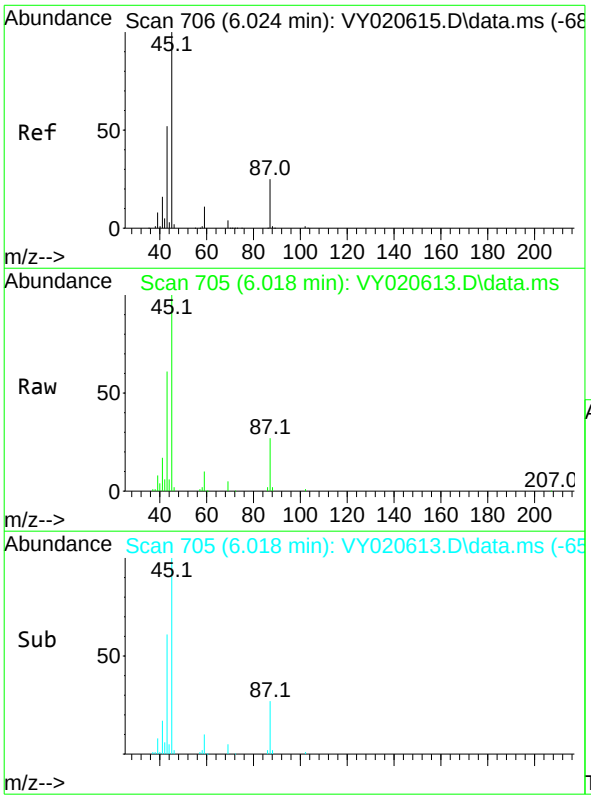
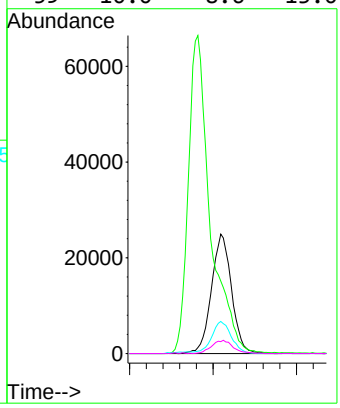
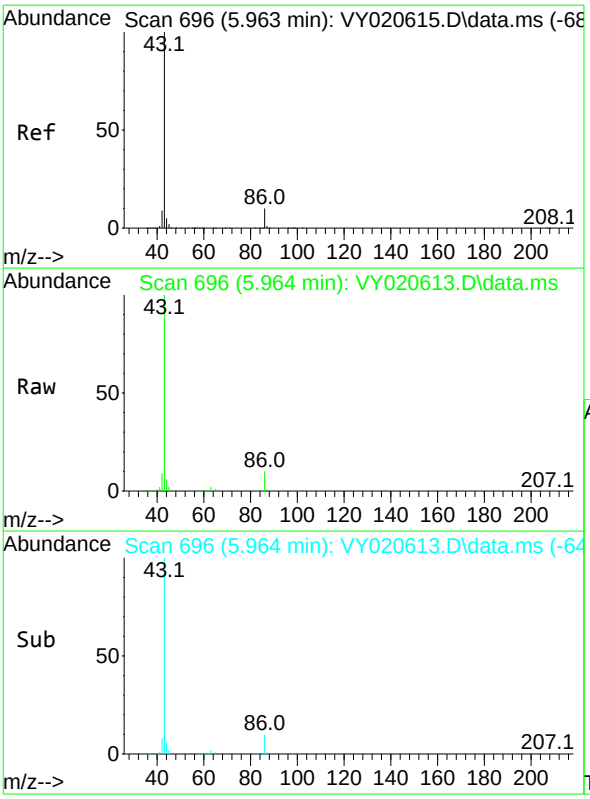


#22
Diisopropyl ether
Concen: 10.997 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 45 Resp: 83653

Ion	Ratio	Lower	Upper
45	100		
43	59.8	42.6	64.0
87	26.9	20.6	31.0
59	10.0	8.6	13.0





#23
Vinyl Acetate
Concen: 56.147 ug/l
RT: 5.964 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 43 Resp: 241892

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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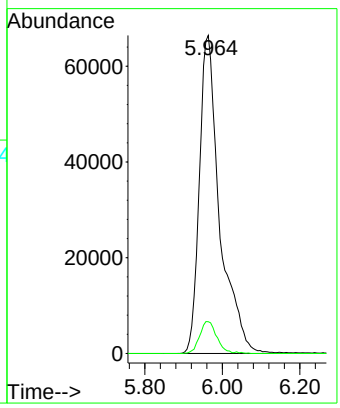
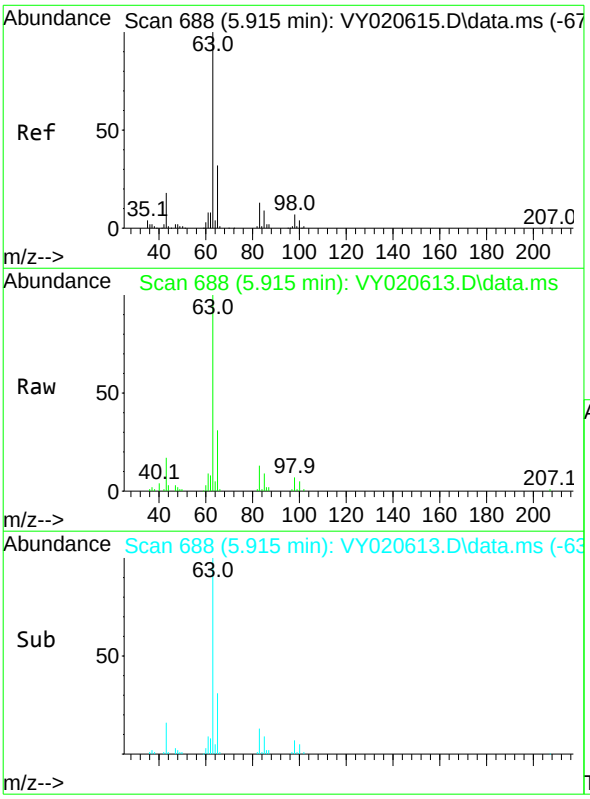
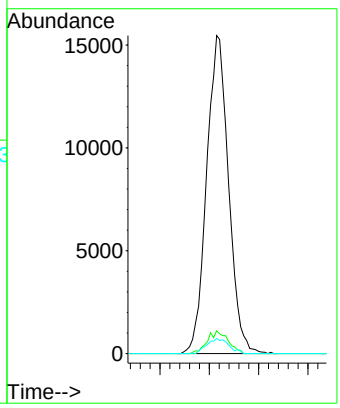


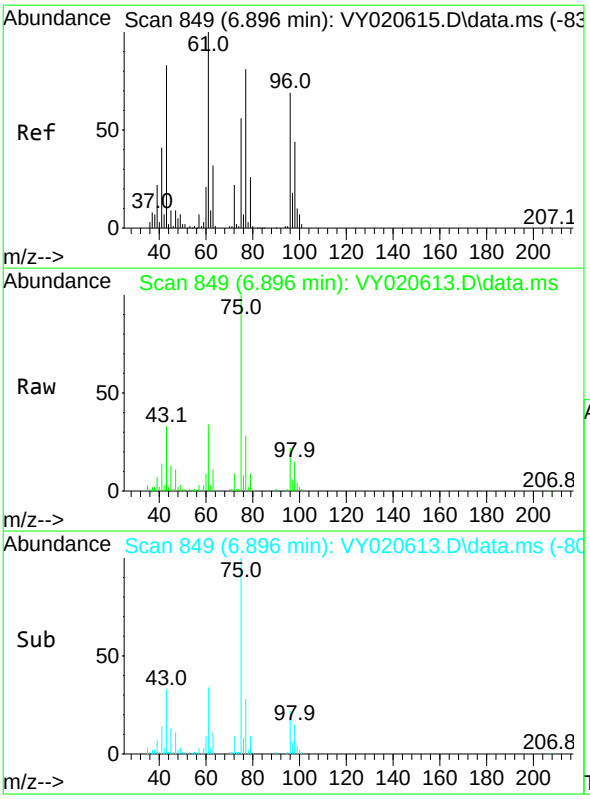


#24
1,1-Dichloroethane
Concen: 10.728 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 63 Resp: 47807

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.4	10.1
100	4.8	2.1	6.5

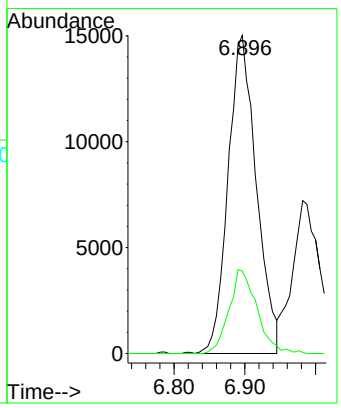




#25
2-Butanone
Concen: 60.169 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 43 Resp: 41782

Ion	Ratio	Lower	Upper
43	100		
72	25.9	20.6	31.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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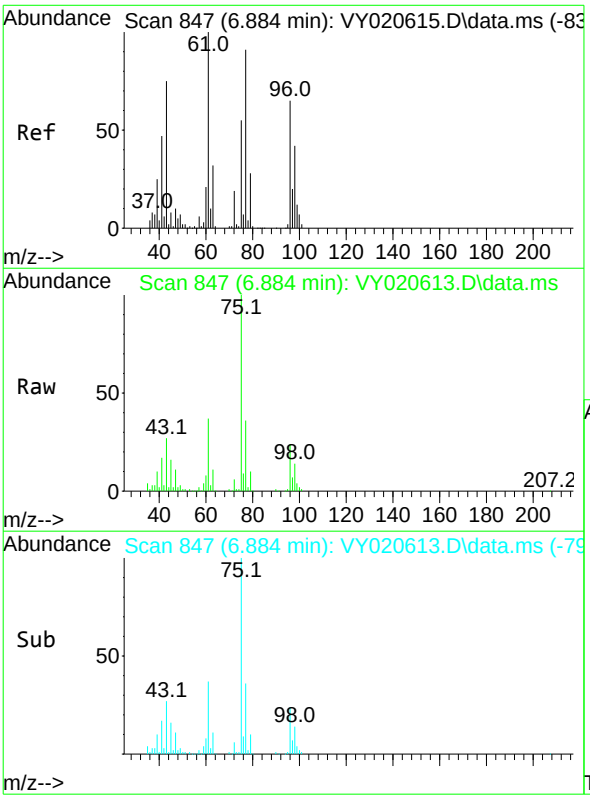
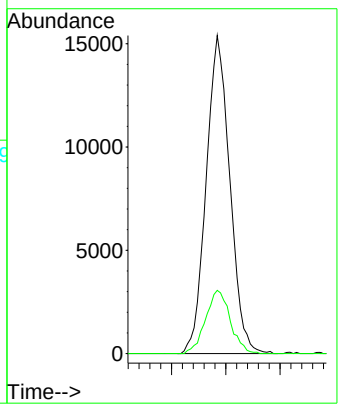
Supervised By :Semsettin Yesilyurt 12/18/2024

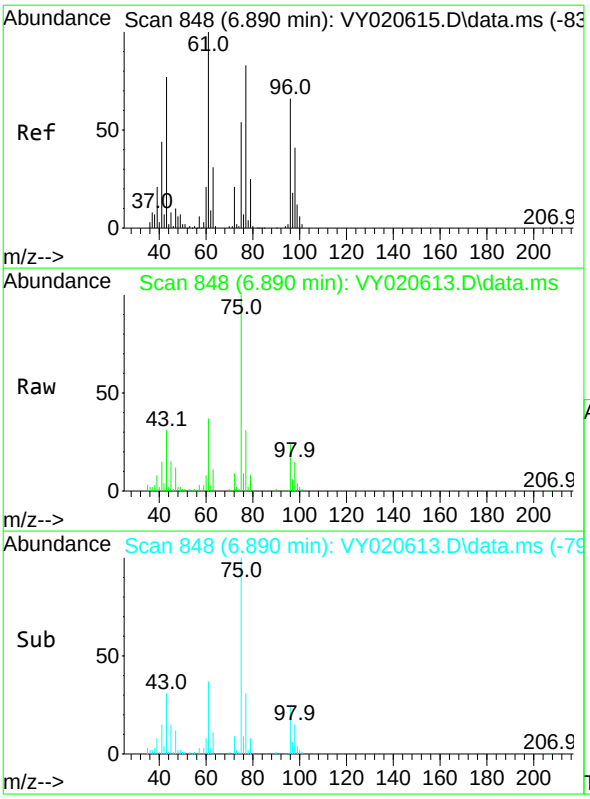


#26
2,2-Dichloropropane
Concen: 11.067 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 77 Resp: 46620

Ion	Ratio	Lower	Upper
77	100		
97	20.7	10.9	32.6





#27
cis-1,2-Dichloroethene
Concen: 10.812 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 96 Resp: 29841

Ion	Ratio	Lower	Upper
96	100		
61	158.3	0.0	306.2
98	63.9	0.0	127.2

Instrument :
MSVOA_Y
ClientSampleId :
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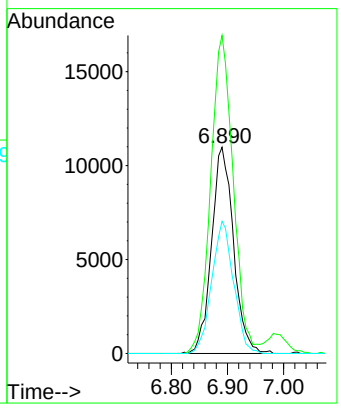
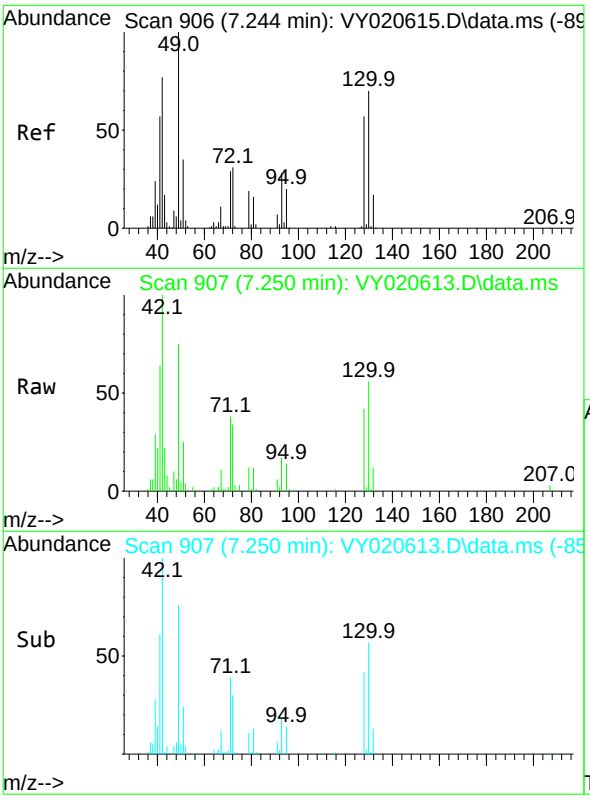
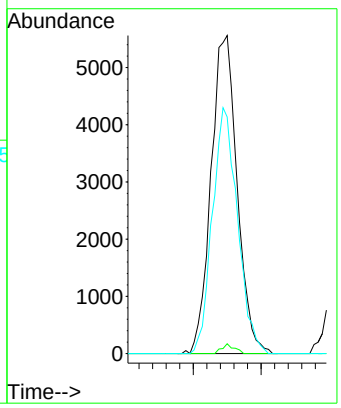


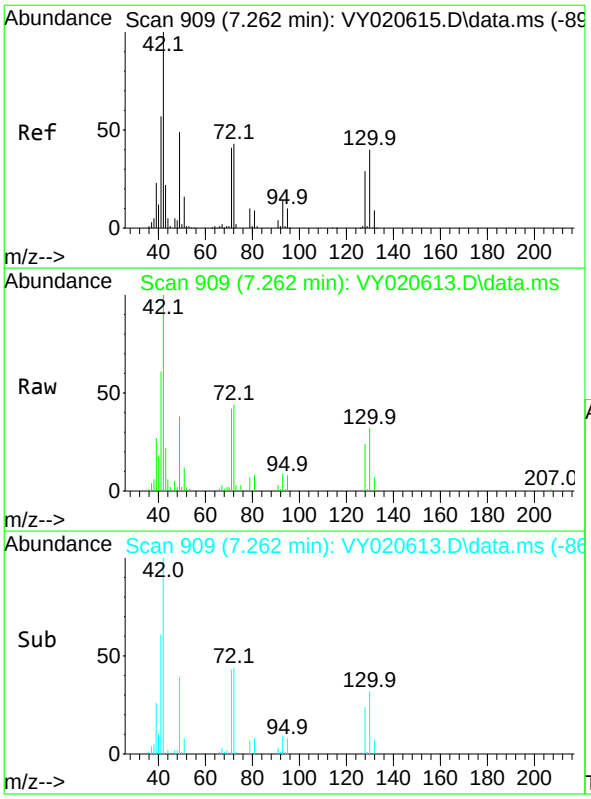


#28
Bromochloromethane
Concen: 9.894 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 49 Resp: 14872

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	74.6	58.3	87.5

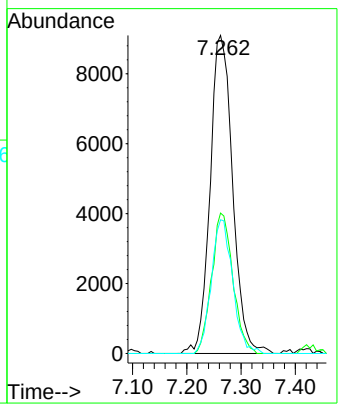




#29
Tetrahydrofuran
Concen: 59.842 ug/l
RT: 7.262 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 42 Resp: 26233

Ion	Ratio	Lower	Upper
42	100		
72	41.8	34.0	51.0
71	39.9	31.6	47.4



Instrument :
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ClientSampleId :
VSTDICC010

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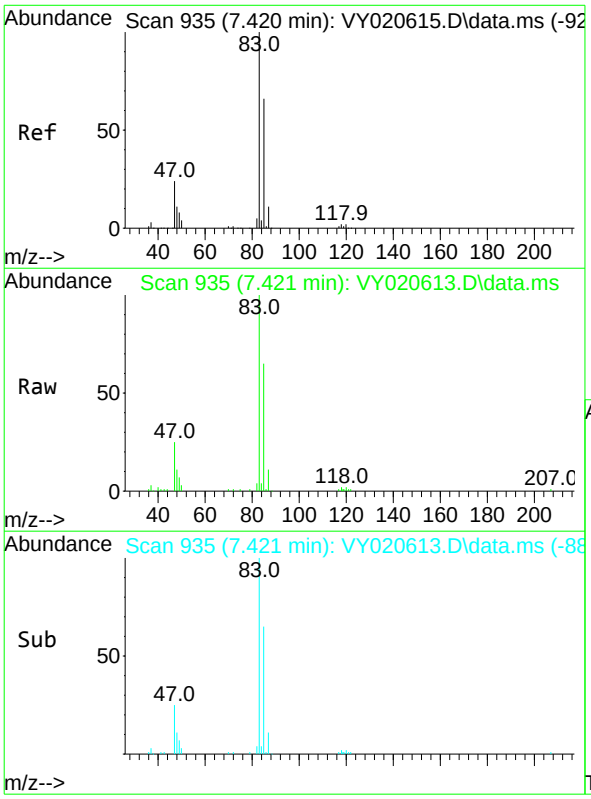
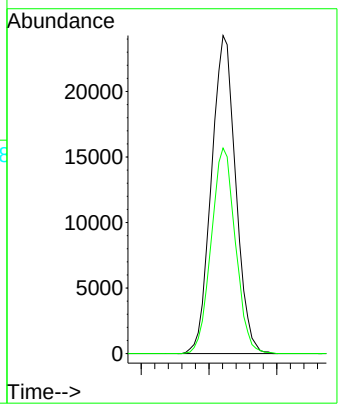
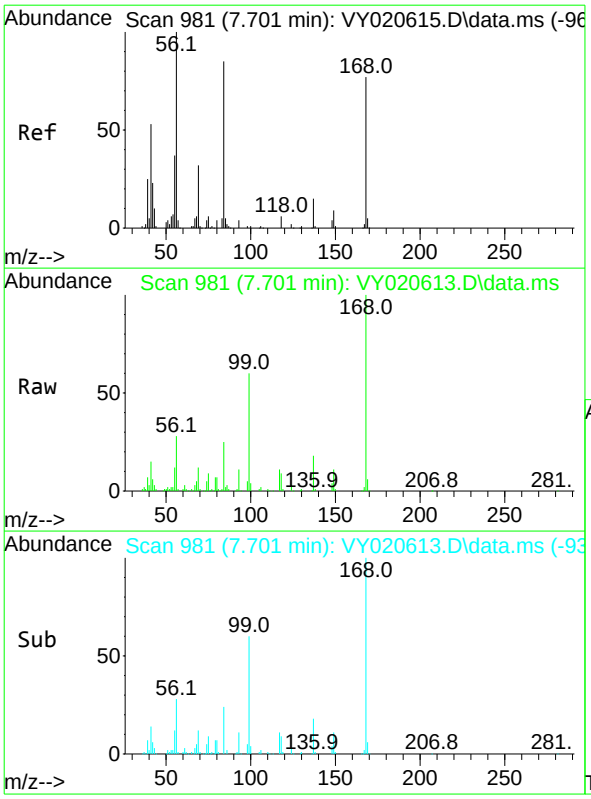


#30
Chloroform
Concen: 9.156 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.001 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 83 Resp: 60327

Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.7	79.1

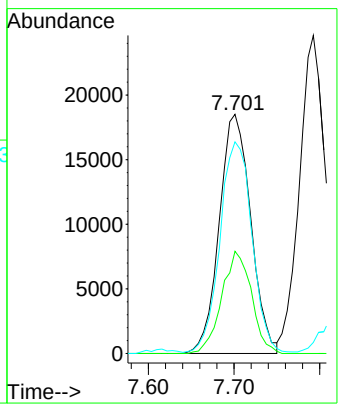




#31
Cyclohexane
Concen: 11.117 ug/l
RT: 7.701 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 56 Resp: 47368

Ion	Ratio	Lower	Upper
56	100		
69	42.7	25.4	38.0#
84	87.5	68.3	102.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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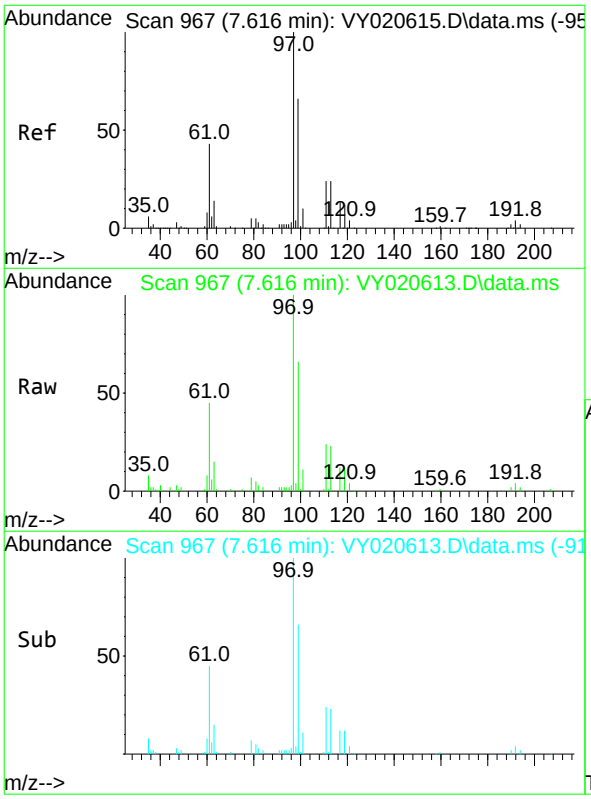
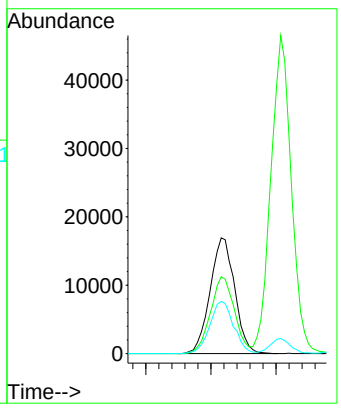
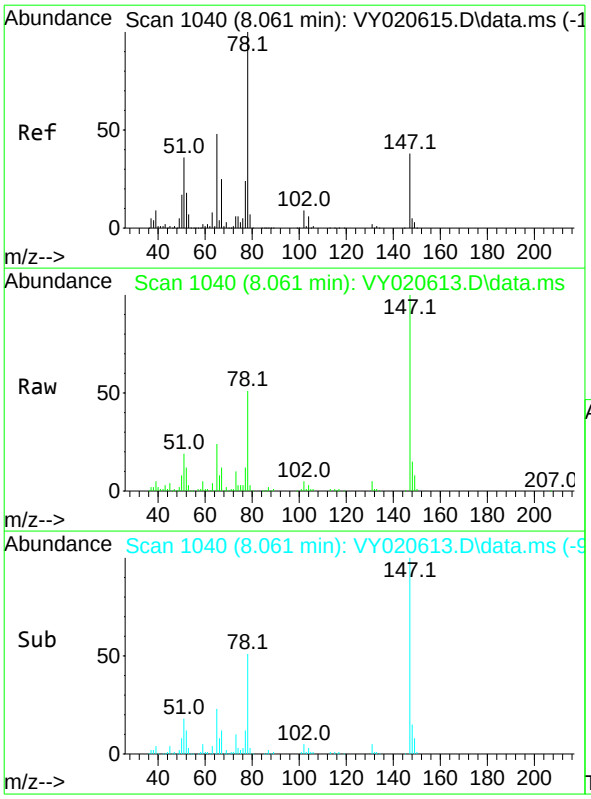


#32
1,1,1-Trichloroethane
Concen: 10.820 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 97 Resp: 44299

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	43.9	34.7	52.1





#33
1,2-Dichloroethane-d4
Concen: 11.310 ug/l
RT: 8.061 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 65 Resp: 21133

Ion	Ratio	Lower	Upper
65	100		
67	60.4	0.0	108.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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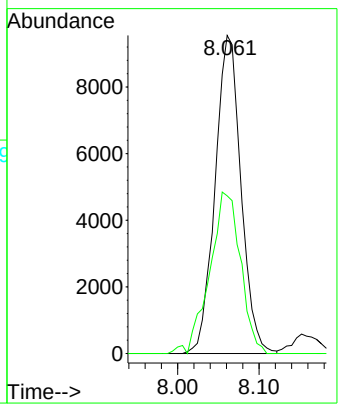
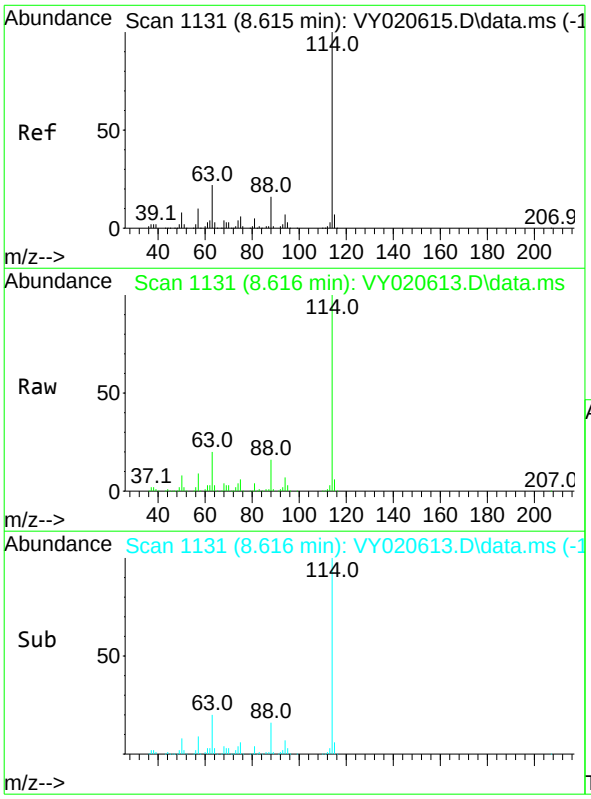
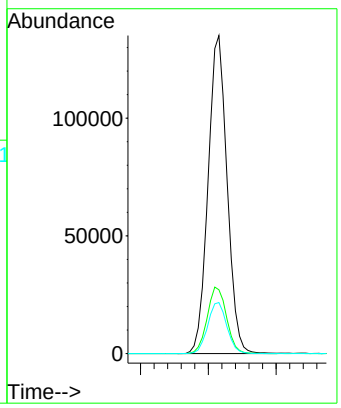


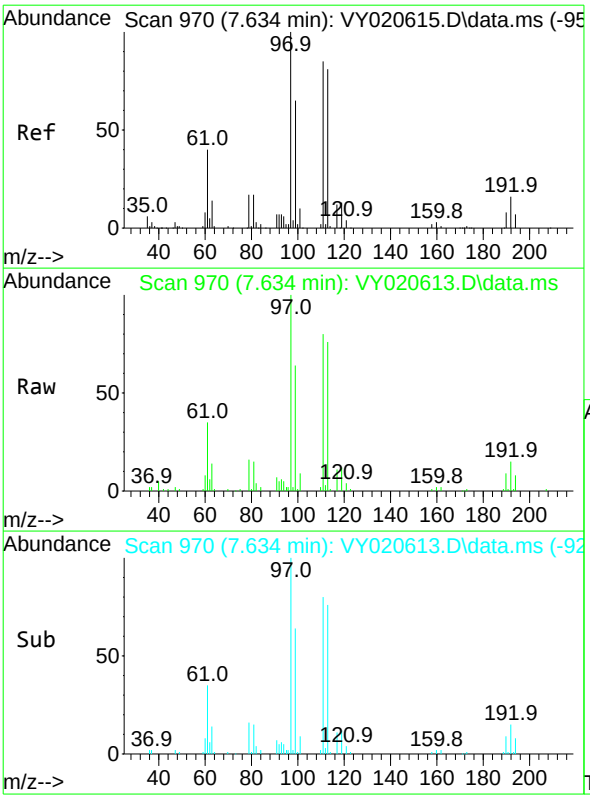


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:114 Resp: 263150

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	44.0
88	16.0	0.0	32.8





#35
Dibromofluoromethane
Concen: 10.925 ug/l
RT: 7.634 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:113 Resp: 20262

Ion	Ratio	Lower	Upper
113	100		
111	104.9	82.9	124.3
192	19.7	15.7	23.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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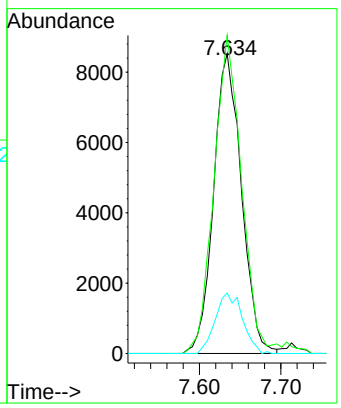
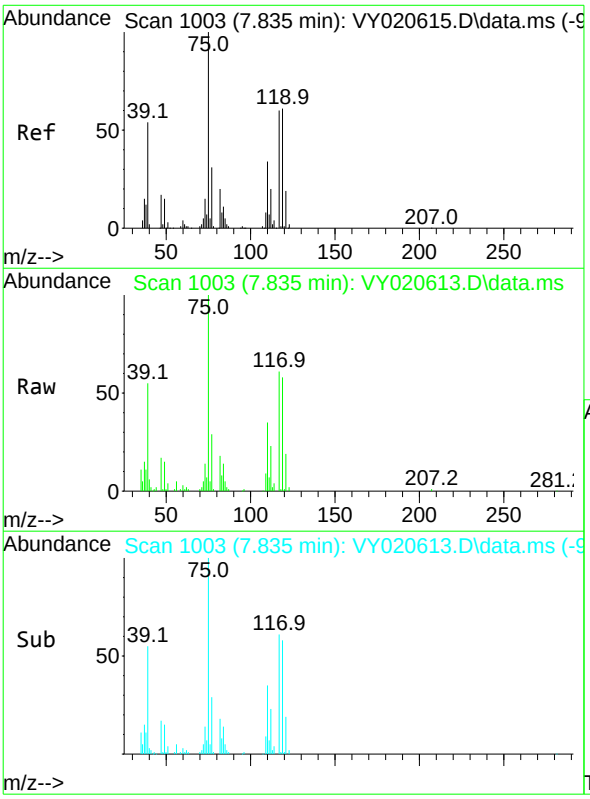
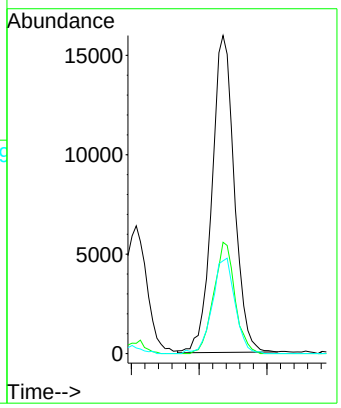


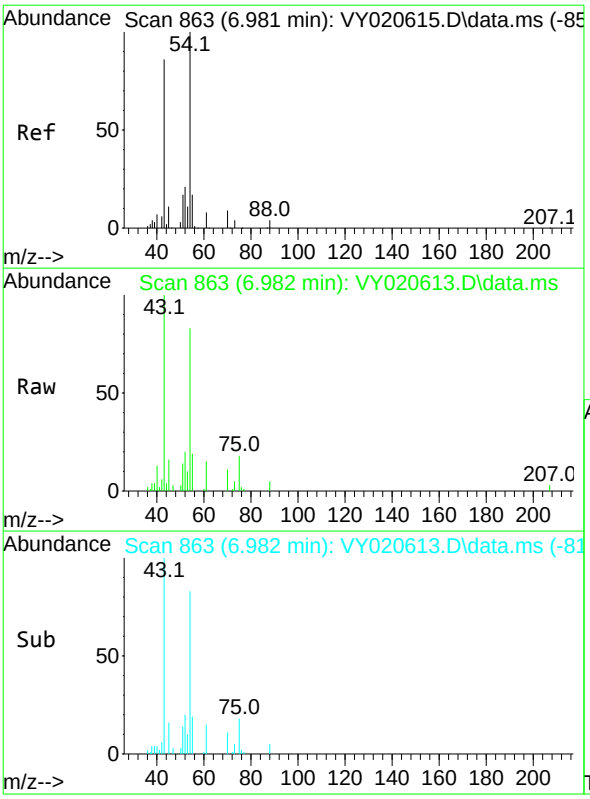


#36
1,1-Dichloropropene
Concen: 10.748 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 75 Resp: 36347

Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.8	50.4
77	30.7	25.0	37.6

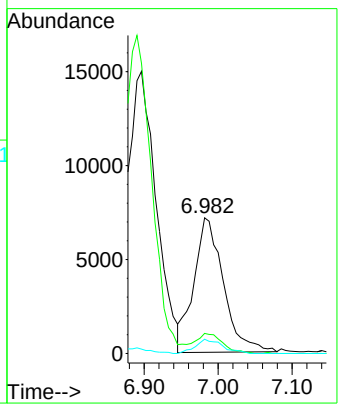




#37
Ethyl Acetate
Concen: 12.541 ug/l
RT: 6.982 min Scan# 86
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 43 Resp: 19950

Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.4
70	9.6	7.9	11.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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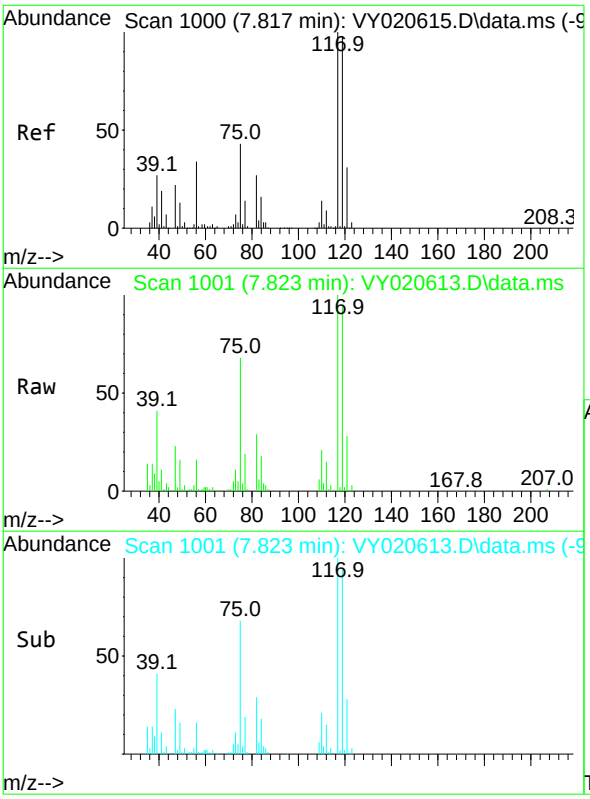
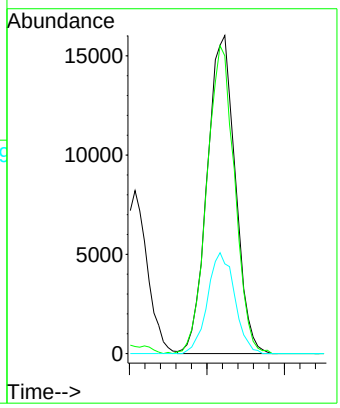
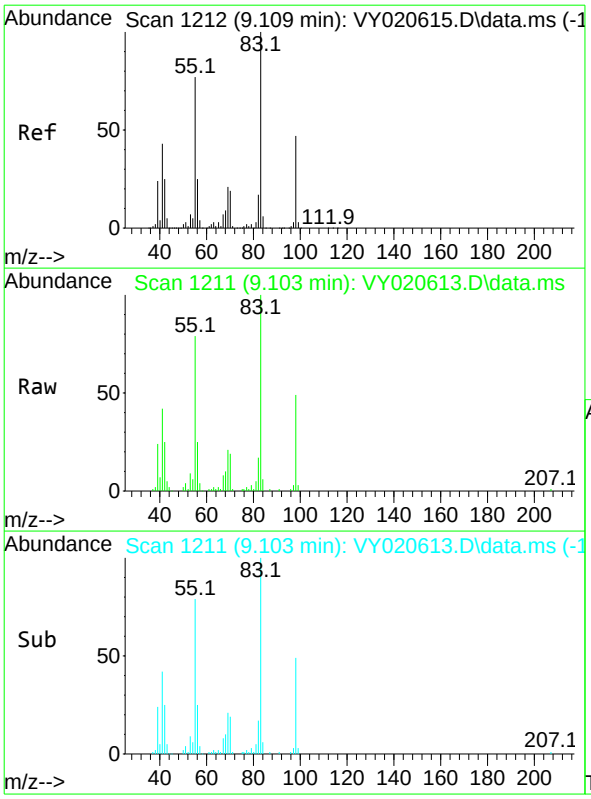


#38
Carbon Tetrachloride
Concen: 10.796 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:117 Resp: 40394

Ion	Ratio	Lower	Upper
117	100		
119	93.6	78.3	117.5
121	28.2	25.1	37.7





#39
Methylcyclohexane
Concen: 10.541 ug/l
RT: 9.103 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 46462

Ion	Ratio	Lower	Upper
83	100		
55	79.0	61.4	92.0
98	49.3	37.3	55.9

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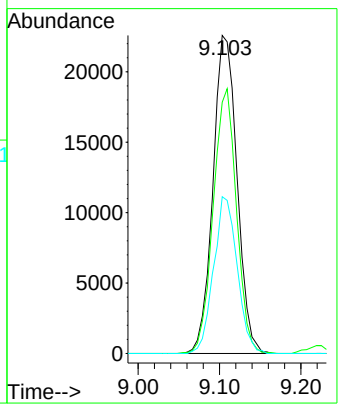
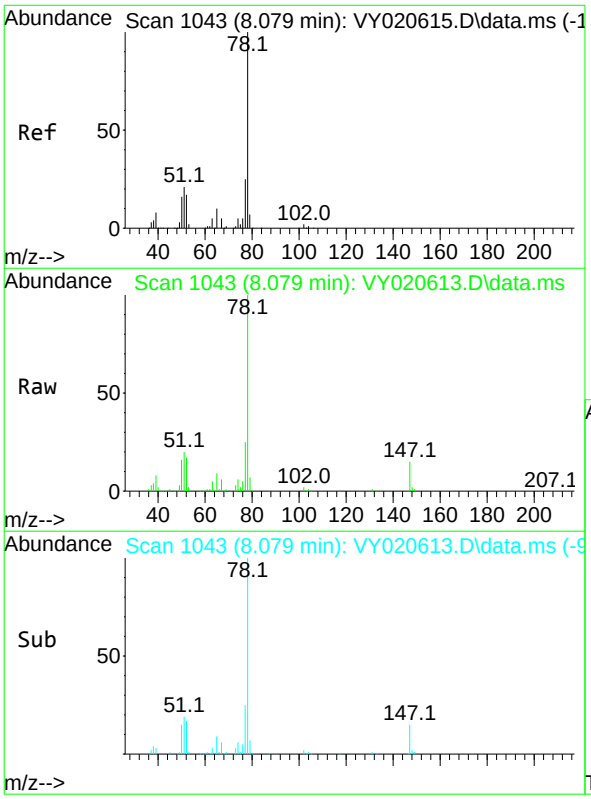
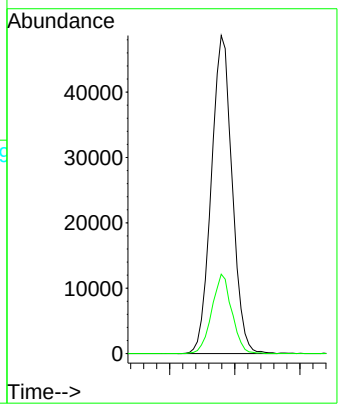


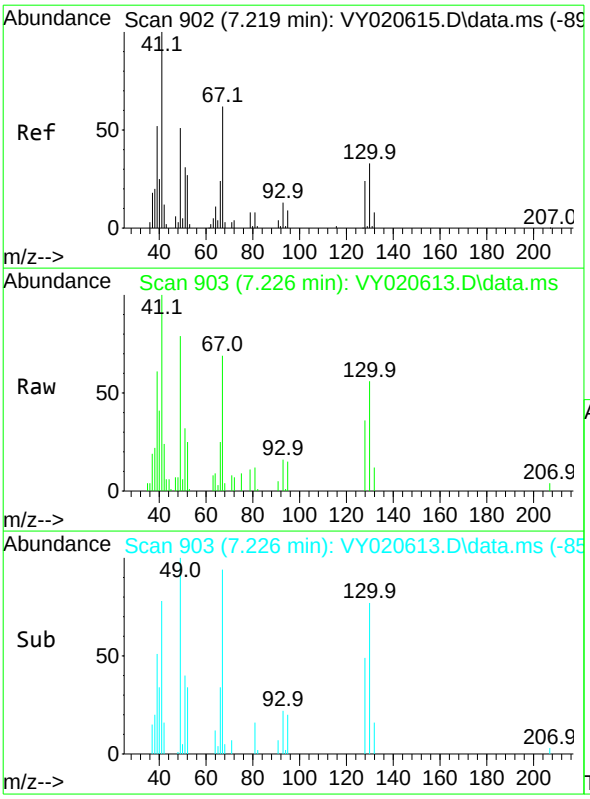


#40
Benzene
Concen: 10.910 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 78 Resp: 108150

Ion	Ratio	Lower	Upper
78	100		
77	25.0	20.1	30.1

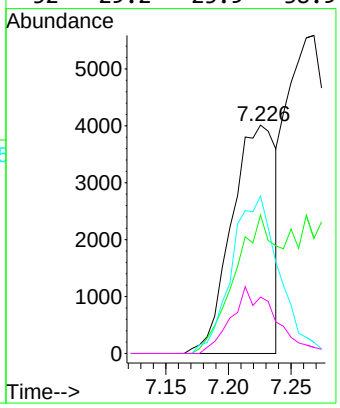




#41
Methacrylonitrile
Concen: 11.653 ug/l
RT: 7.226 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 41 Resp: 9800

Ion	Ratio	Lower	Upper
41	100		
39	61.3	53.6	80.4
67	74.4	62.0	93.0
52	29.2	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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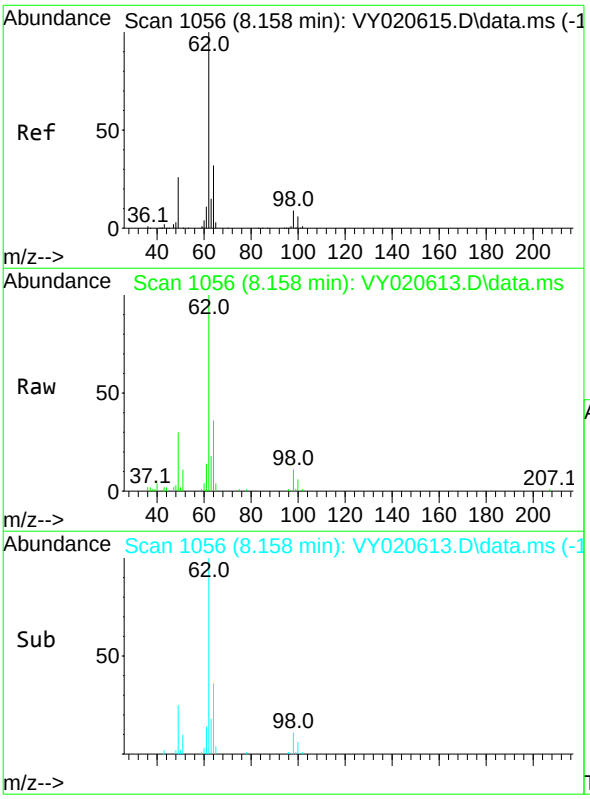
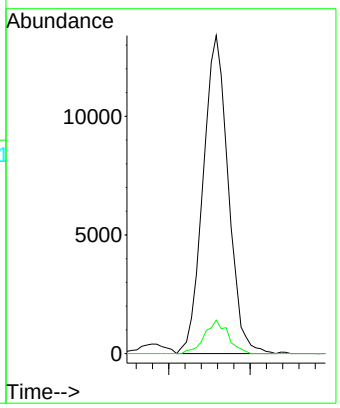
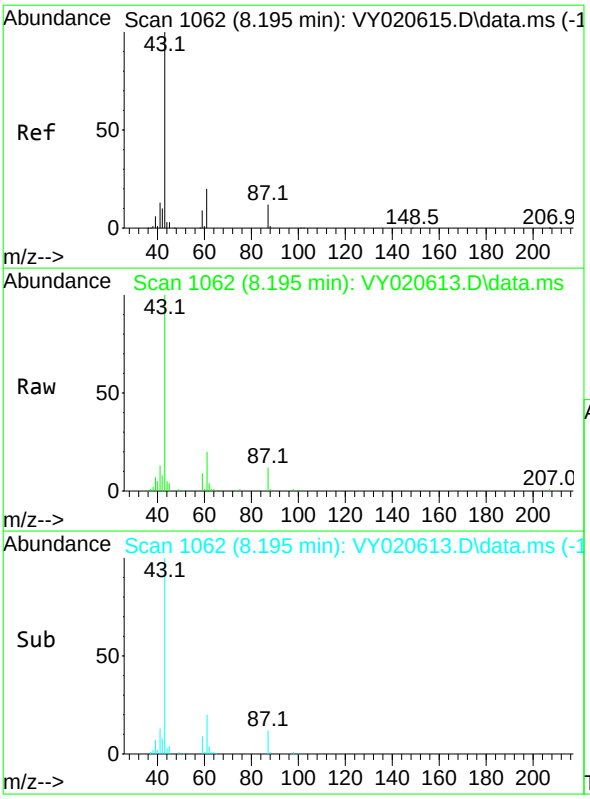


#42
1,2-Dichloroethane
Concen: 10.931 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 62 Resp: 28739

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.0

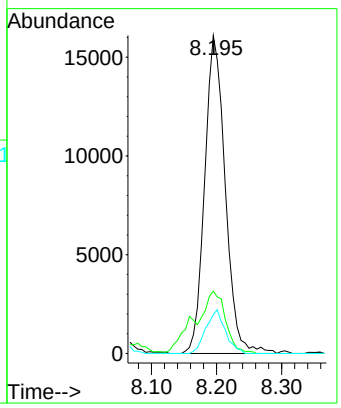




#43
Isopropyl Acetate
Concen: 11.721 ug/l
RT: 8.195 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 43 Resp: 35299

Ion	Ratio	Lower	Upper
43	100		
61	20.6	23.8	35.6#
87	13.0	10.2	15.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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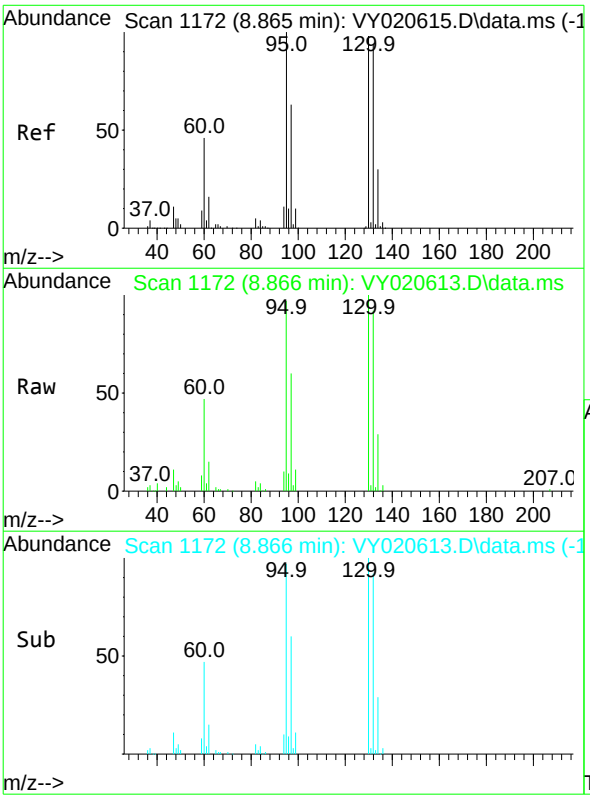
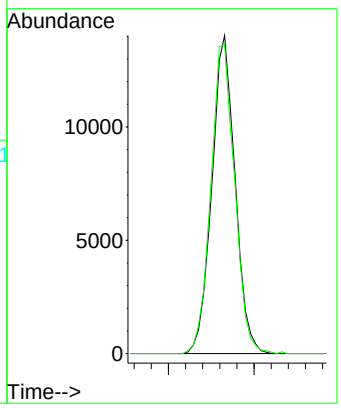
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

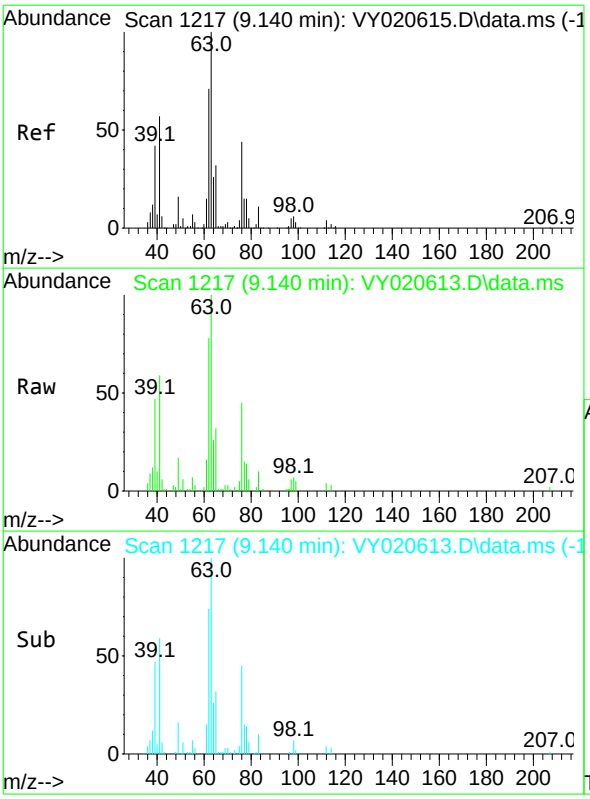


#44
Trichloroethene
Concen: 10.834 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:130 Resp: 26388

Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	203.2

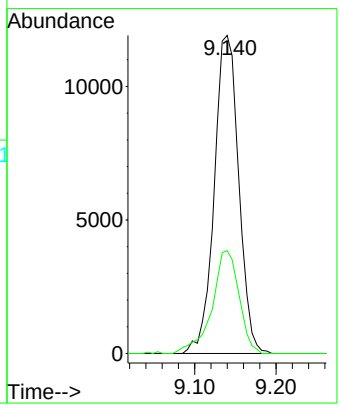




#45
1,2-Dichloropropane
Concen: 10.743 ug/l
RT: 9.140 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 63 Resp: 24889

Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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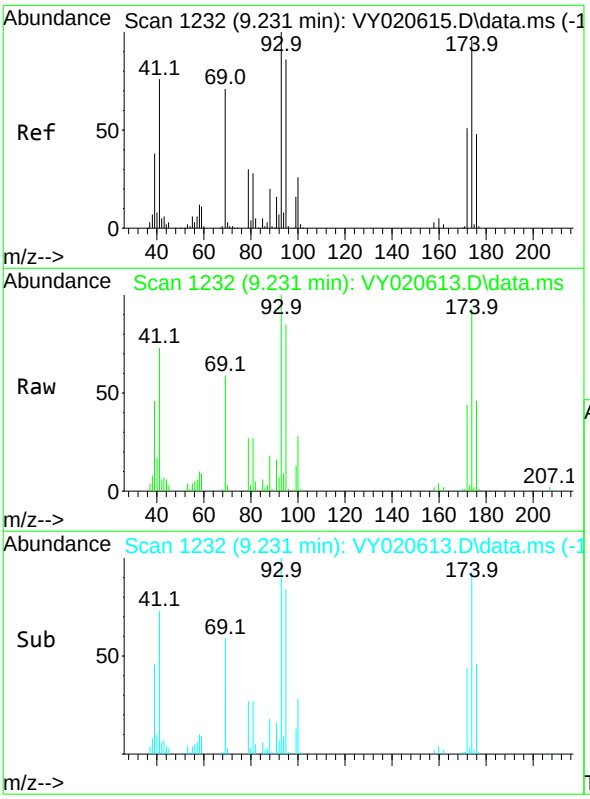
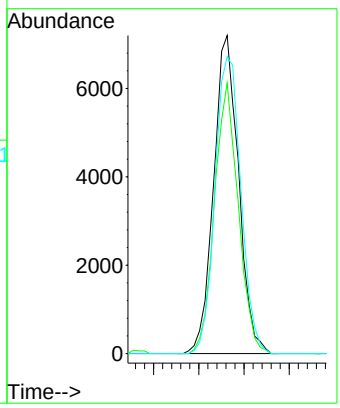
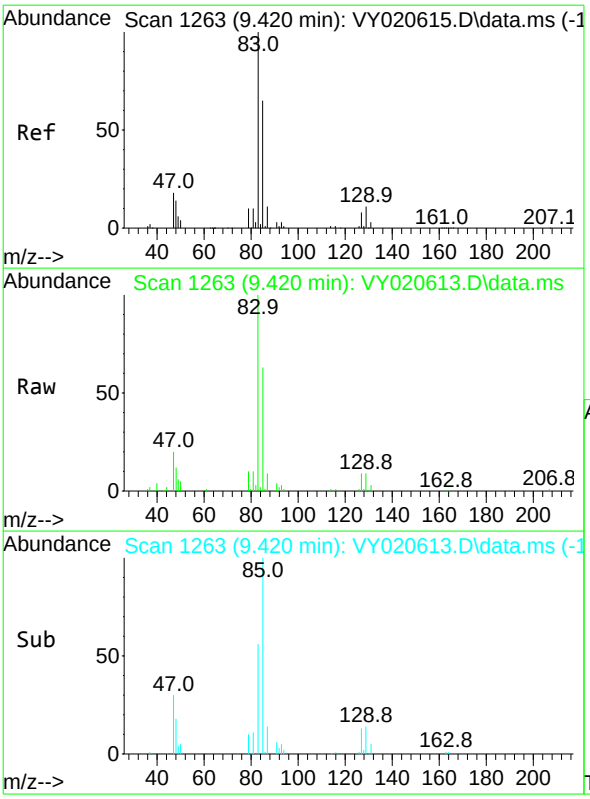


#46
Dibromomethane
Concen: 11.242 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 93 Resp: 13764

Ion	Ratio	Lower	Upper
93	100		
95	81.2	66.7	100.1
174	97.0	77.8	116.6

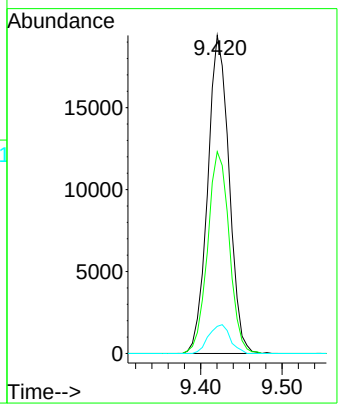




#47
Bromodichloromethane
Concen: 10.689 ug/l
RT: 9.420 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 83 Resp: 35352

Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.1	78.1
127	8.5	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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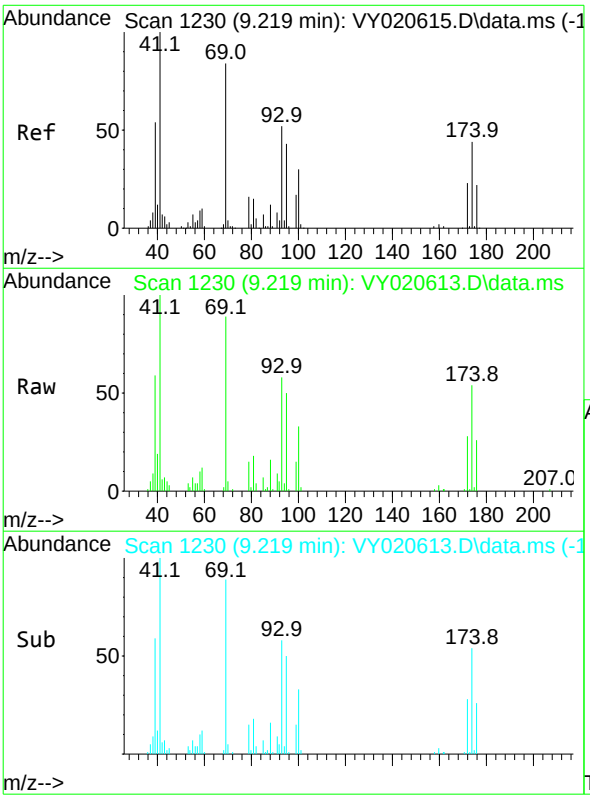
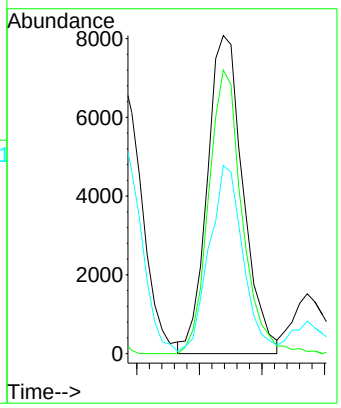
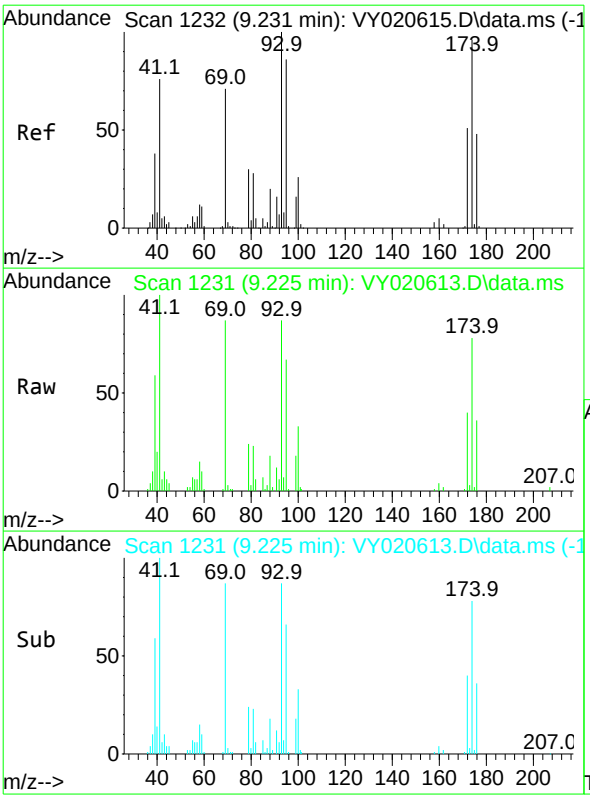


#48
Methyl methacrylate
Concen: 11.218 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 41 Resp: 16060

Ion	Ratio	Lower	Upper
41	100		
69	83.4	67.2	100.8
39	54.3	42.2	63.4





#49
1,4-Dioxane
Concen: 237.872 ug/l
RT: 9.225 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 88 Resp: 3340

Ion	Ratio	Lower	Upper
88	100		
43	42.2	27.6	41.4#
58	76.6	61.7	92.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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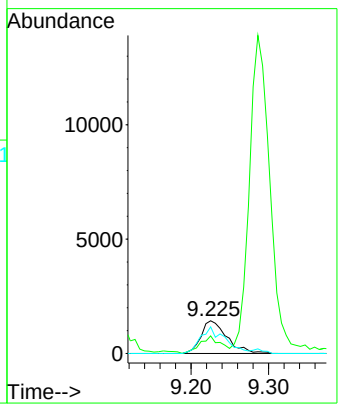
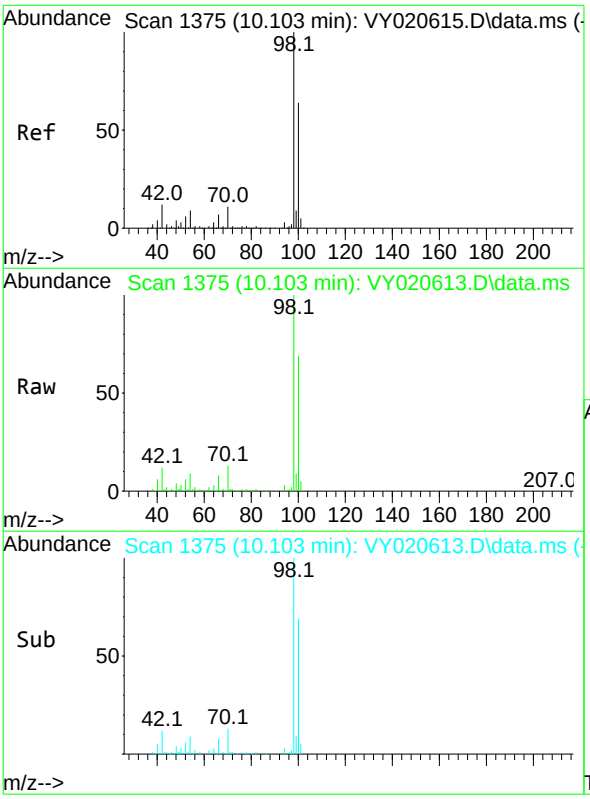
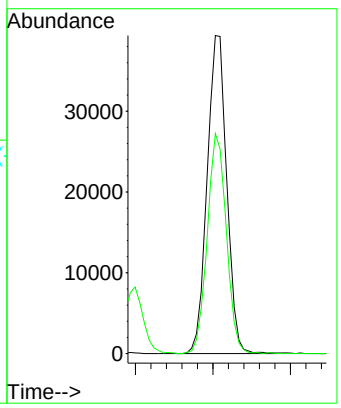


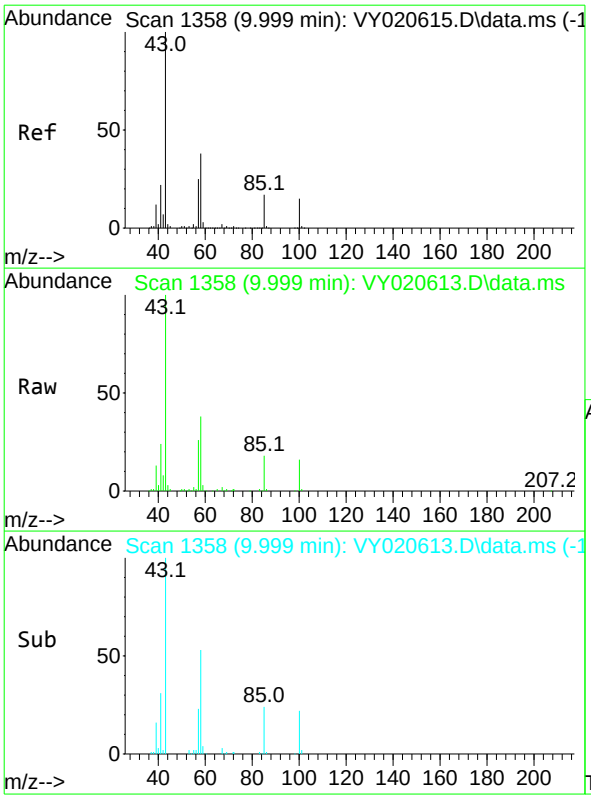


#50
Toluene-d8
Concen: 10.653 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 98 Resp: 69155

Ion	Ratio	Lower	Upper
98	100		
100	67.3	52.1	78.1

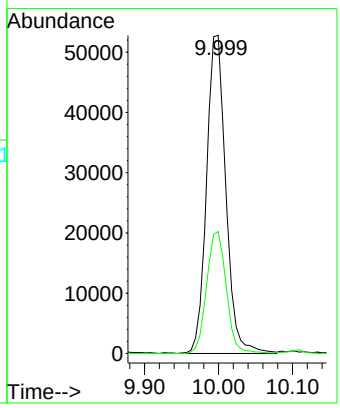




#51
4-Methyl-2-Pentanone
Concen: 60.180 ug/l
RT: 9.999 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 43 Resp: 95663

Ion	Ratio	Lower	Upper
43	100		
58	39.0	31.4	47.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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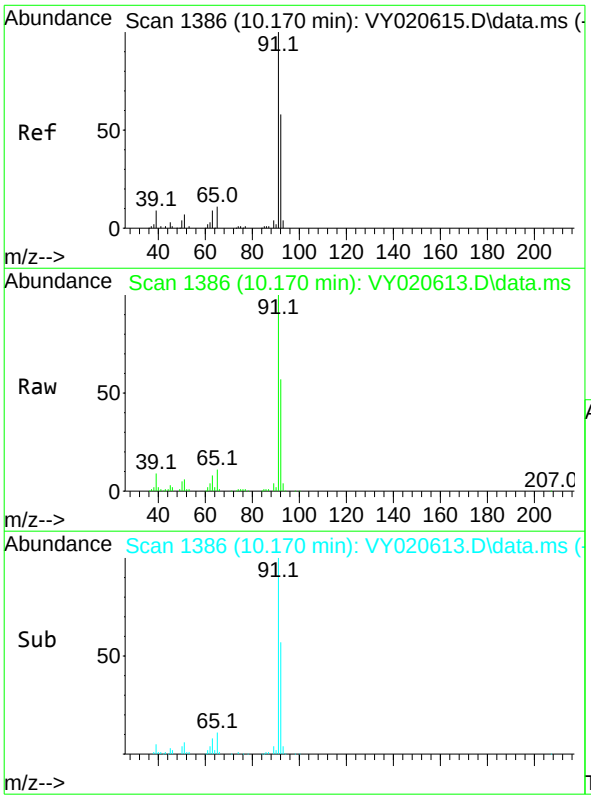
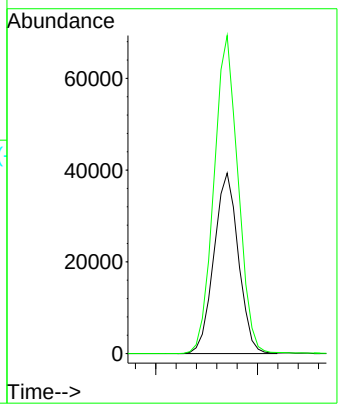
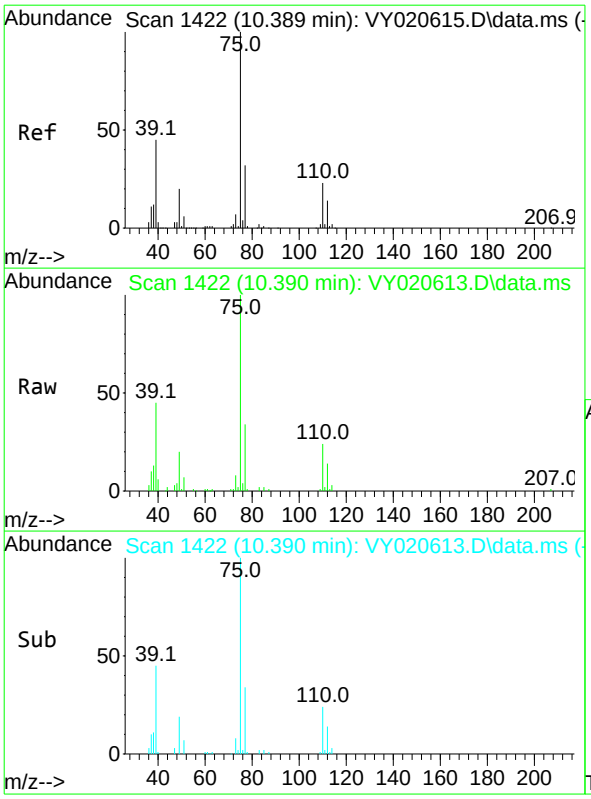


#52
Toluene
Concen: 10.657 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 92 Resp: 65651

Ion	Ratio	Lower	Upper
92	100		
91	174.4	137.4	206.0

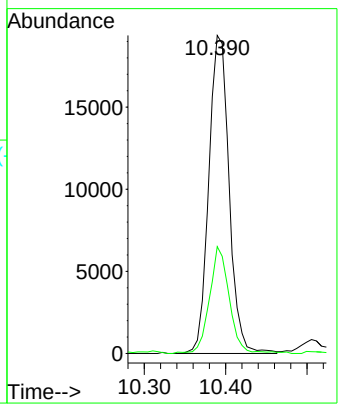




#53
t-1,3-Dichloropropene
Concen: 10.892 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 75 Resp: 33566

Ion	Ratio	Lower	Upper
75	100		
77	33.2	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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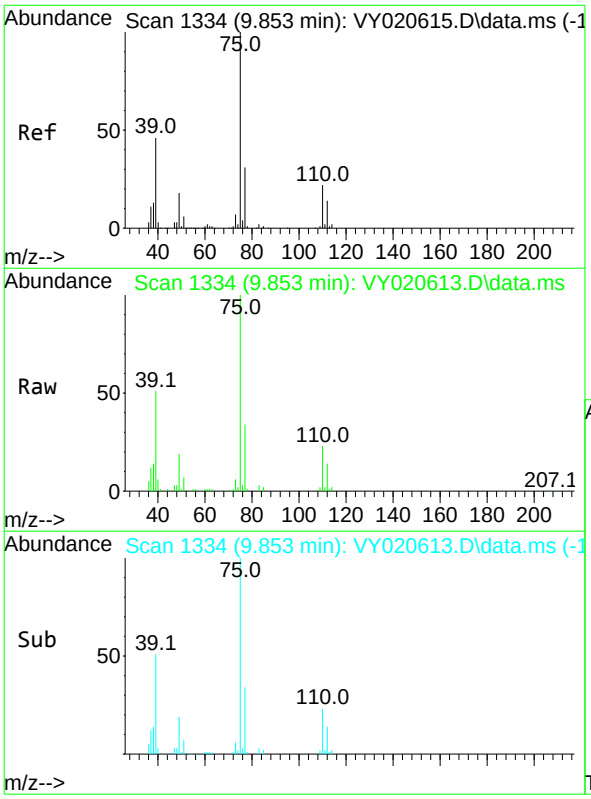
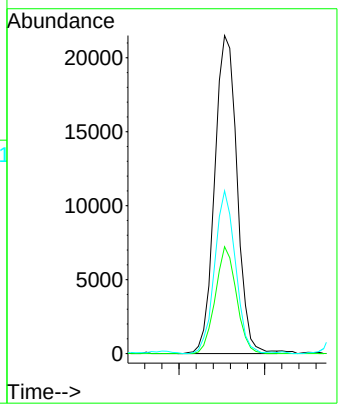
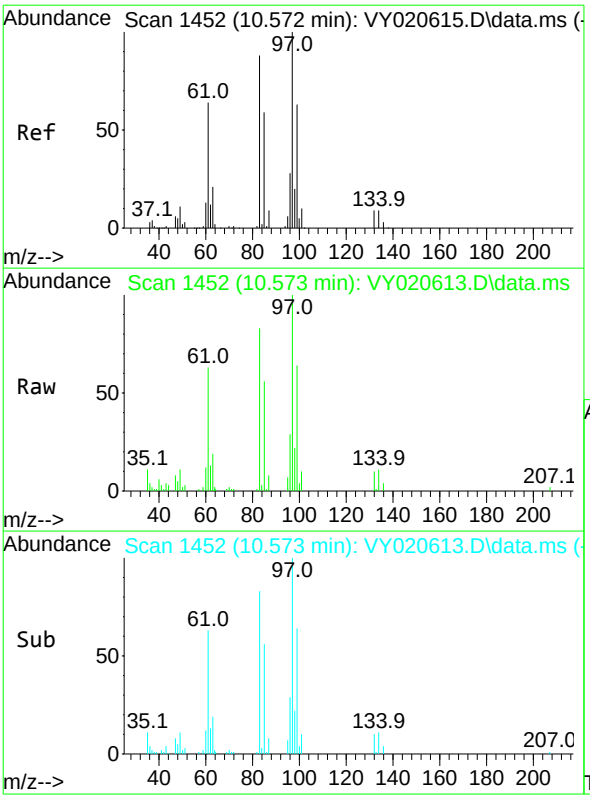


#54
cis-1,3-Dichloropropene
Concen: 10.698 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 75 Resp: 39068

Ion	Ratio	Lower	Upper
75	100		
77	33.6	24.6	36.8
39	50.9	36.4	54.6

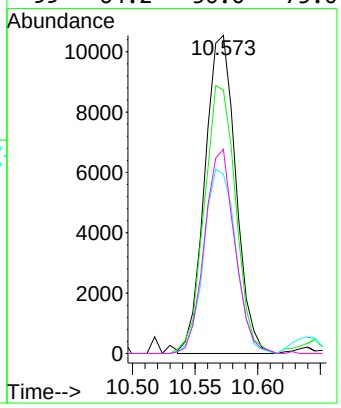




#55
1,1,2-Trichloroethane
Concen: 11.181 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 97 Resp: 18100

Ion	Ratio	Lower	Upper
97	100		
83	82.8	70.4	105.6
85	56.4	47.2	70.8
99	64.2	50.0	75.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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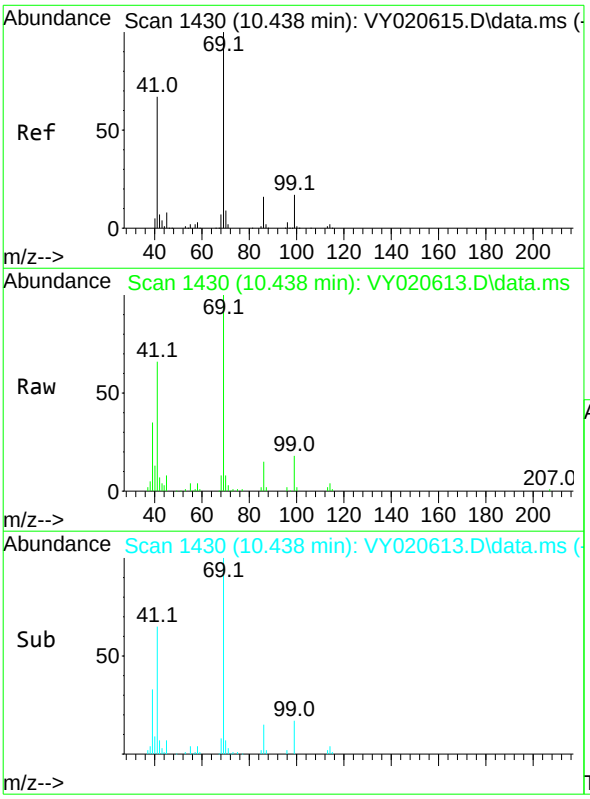
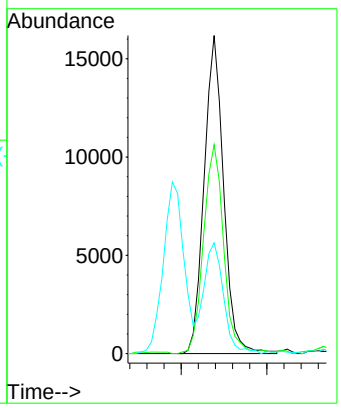
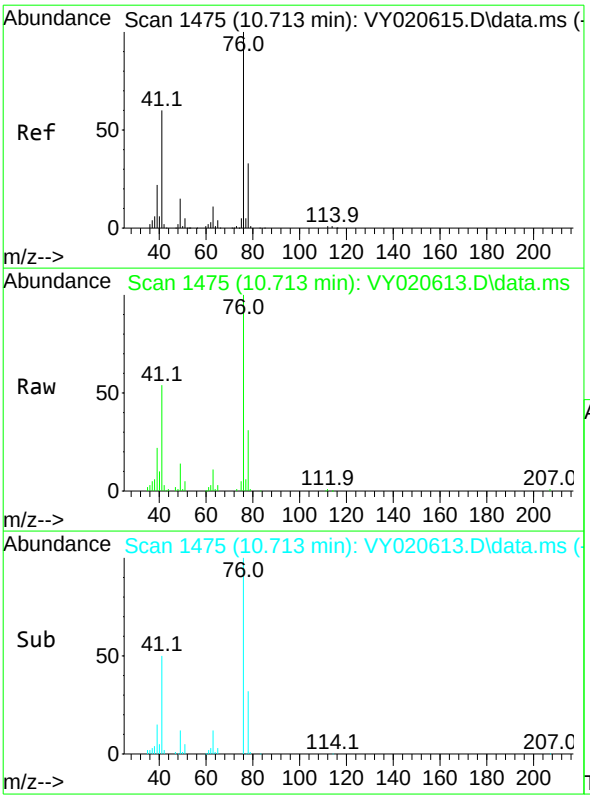


#56
Ethyl methacrylate
Concen: 10.877 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 69 Resp: 25543

Ion	Ratio	Lower	Upper
69	100		
41	68.1	54.0	81.0
39	36.0	27.9	41.9

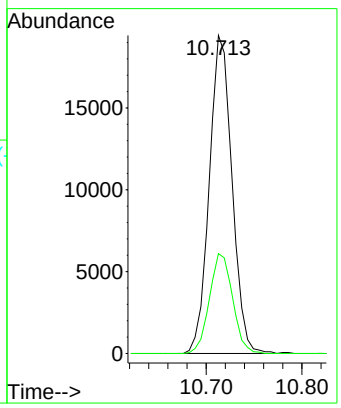




#57
1,3-Dichloropropane
Concen: 11.099 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 76 Resp: 32029

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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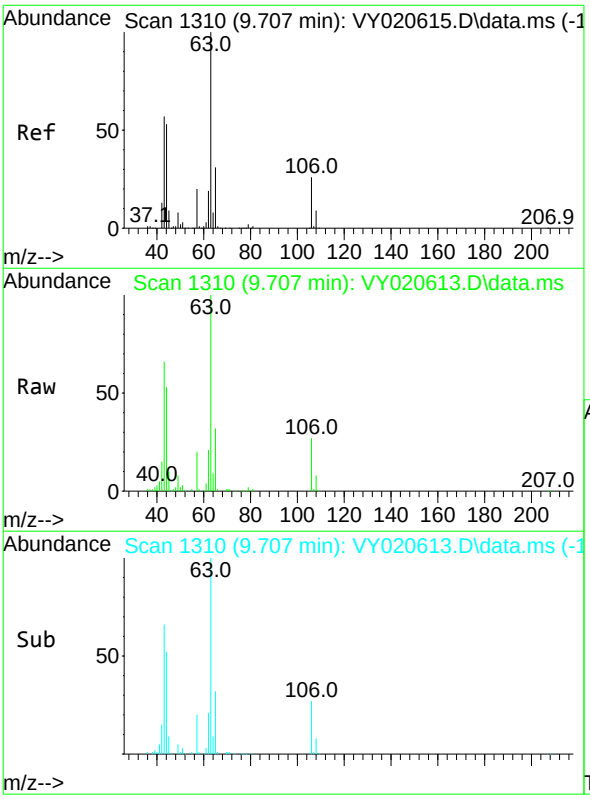
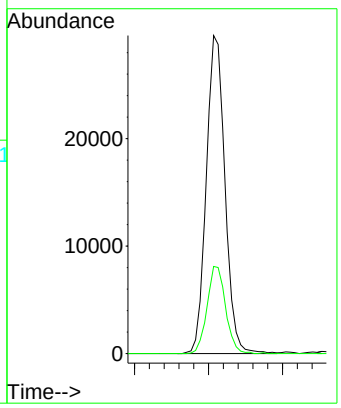
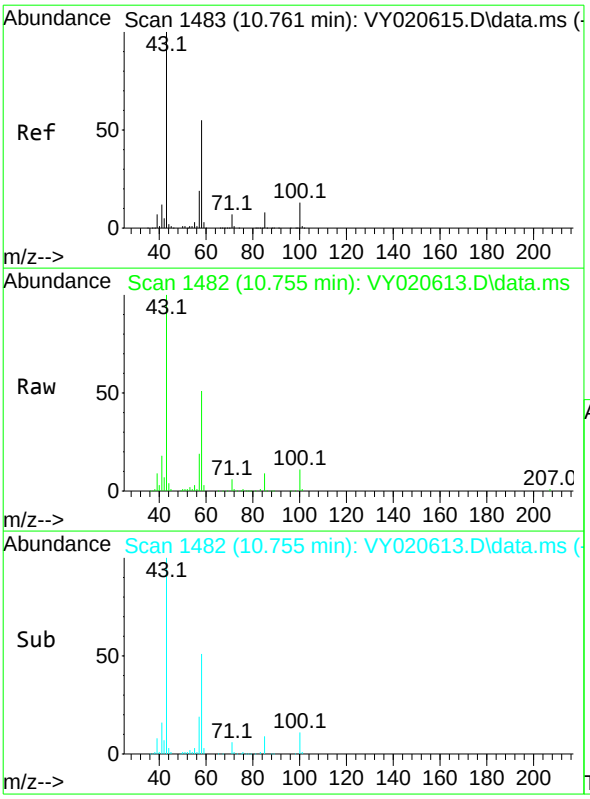


#58
2-Chloroethyl Vinyl ether
Concen: 52.537 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 63 Resp: 51913

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.5	32.3

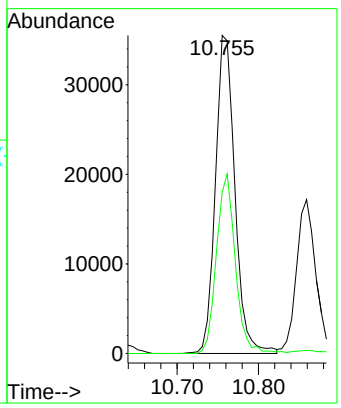




#59
2-Hexanone
Concen: 57.933 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 43 Resp: 59126

Ion	Ratio	Lower	Upper
43	100		
58	54.7	27.2	81.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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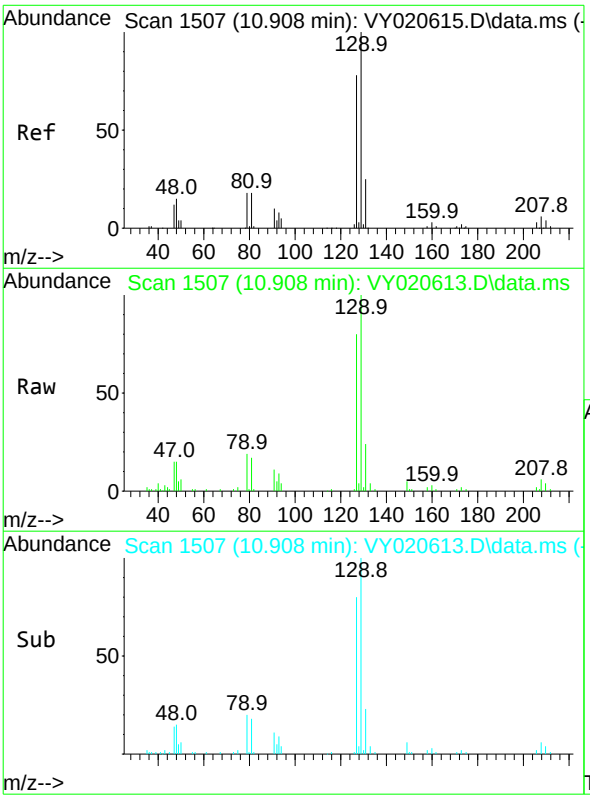
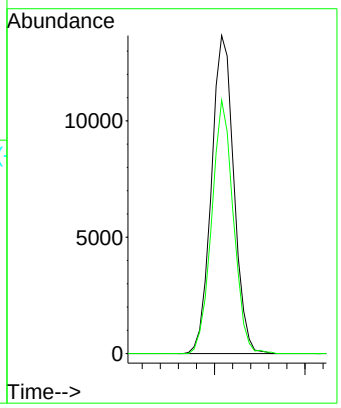
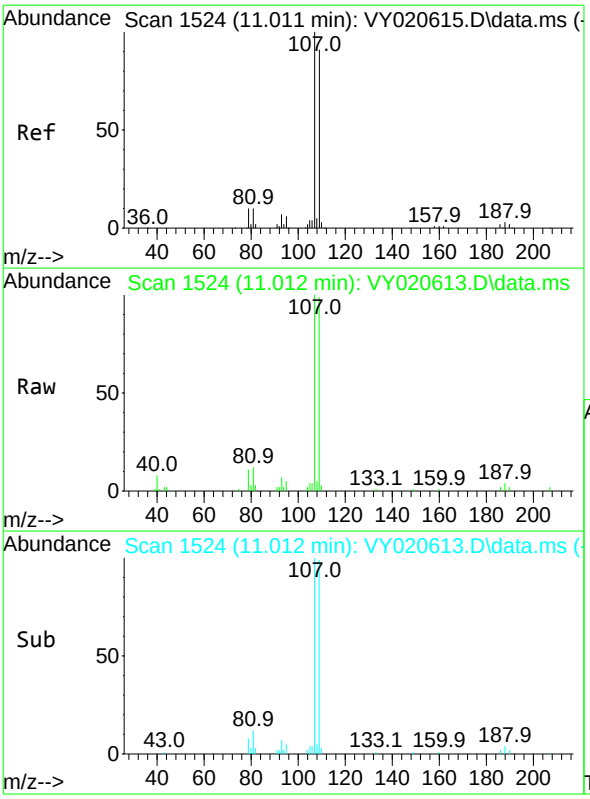


#60
Dibromochloromethane
Concen: 10.878 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:129 Resp: 23549

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.1	114.3





#61
1,2-Dibromoethane
Concen: 11.162 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:107 Resp: 16807

Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.4	113.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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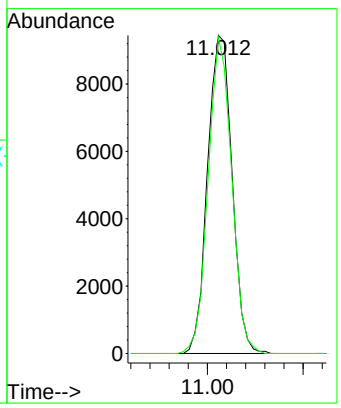
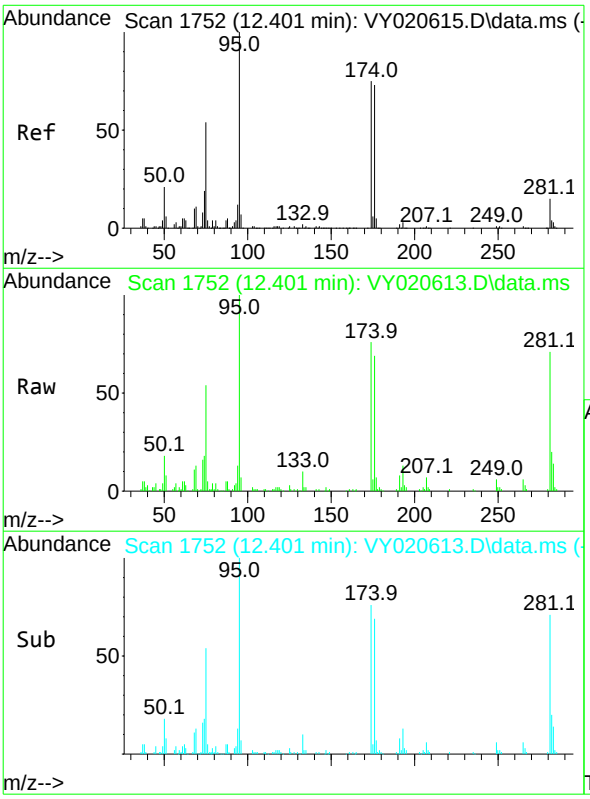
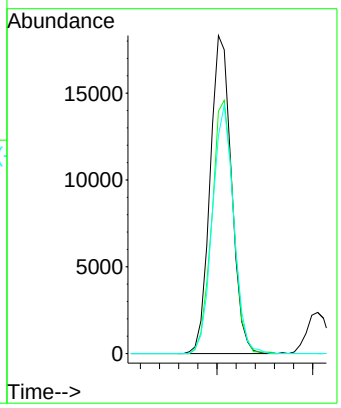


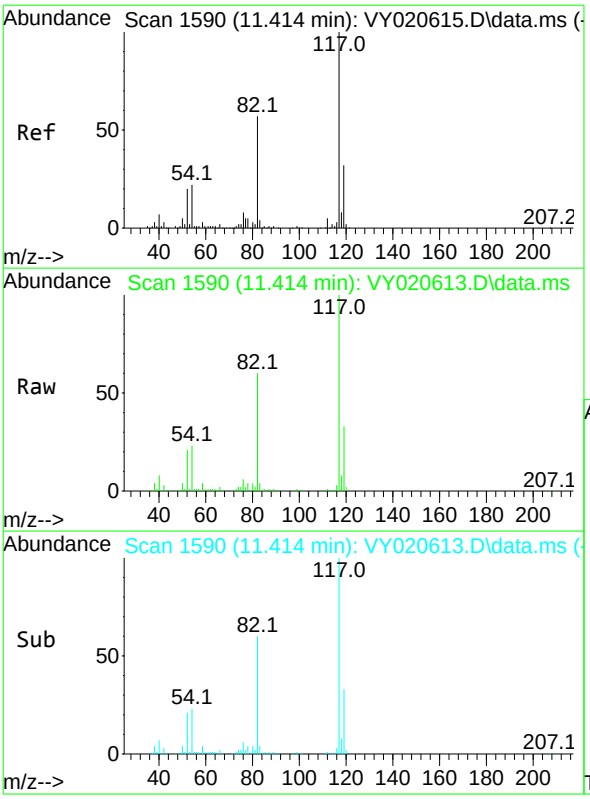


#62
4-Bromofluorobenzene
Concen: 11.154 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 95 Resp: 28323

Ion	Ratio	Lower	Upper
95	100		
174	80.6	0.0	161.8
176	78.3	0.0	156.6

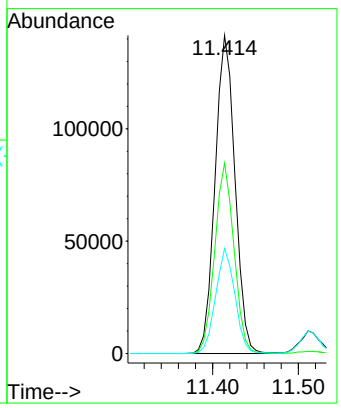




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:117 Resp: 228550

Ion	Ratio	Lower	Upper
117	100		
82	59.9	45.8	68.6
119	33.0	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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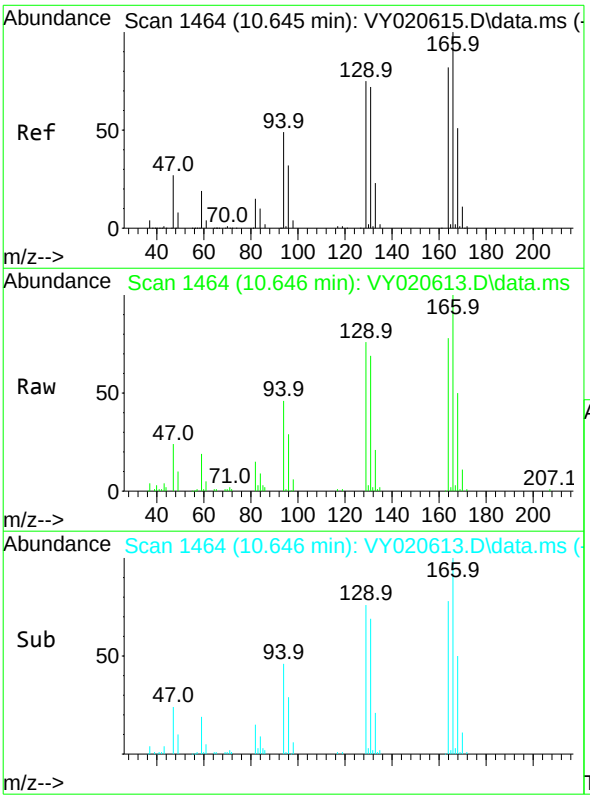
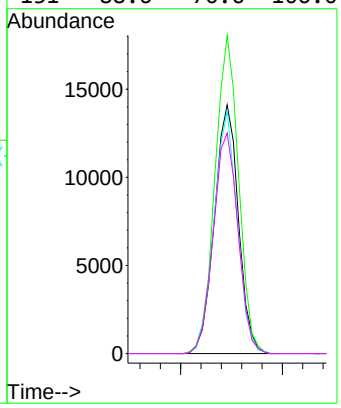
Supervised By :Semsettin Yesilyurt 12/18/2024

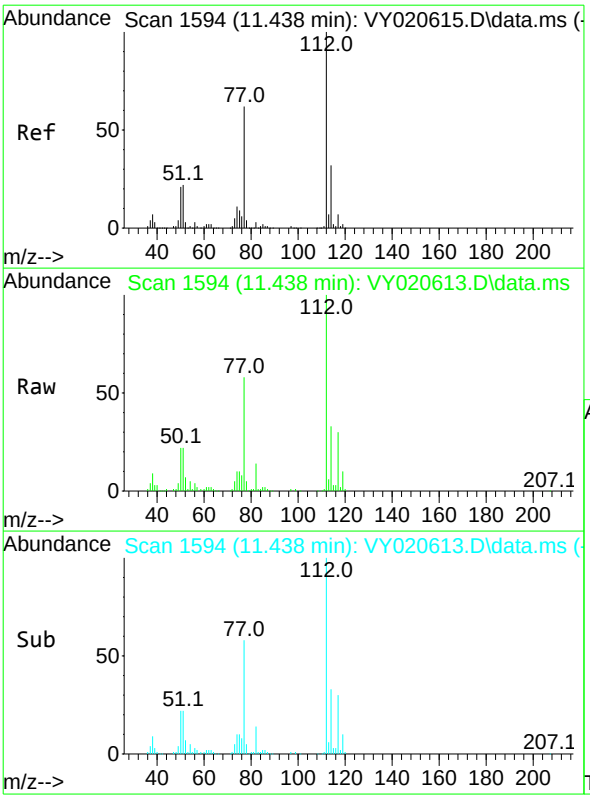


#64
Tetrachloroethene
Concen: 10.744 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:164 Resp: 23098

Ion	Ratio	Lower	Upper
164	100		
166	127.9	97.9	146.9
129	97.5	73.4	110.0
131	88.6	70.6	106.0

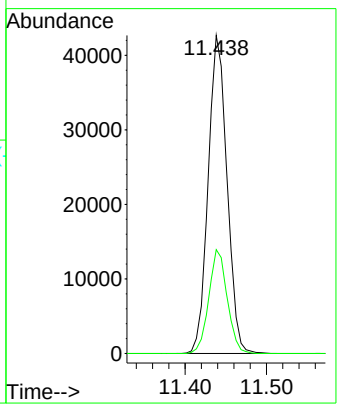




#65
Chlorobenzene
Concen: 10.738 ug/l
RT: 11.438 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:112 Resp: 68621

Ion	Ratio	Lower	Upper
112	100		
114	32.7	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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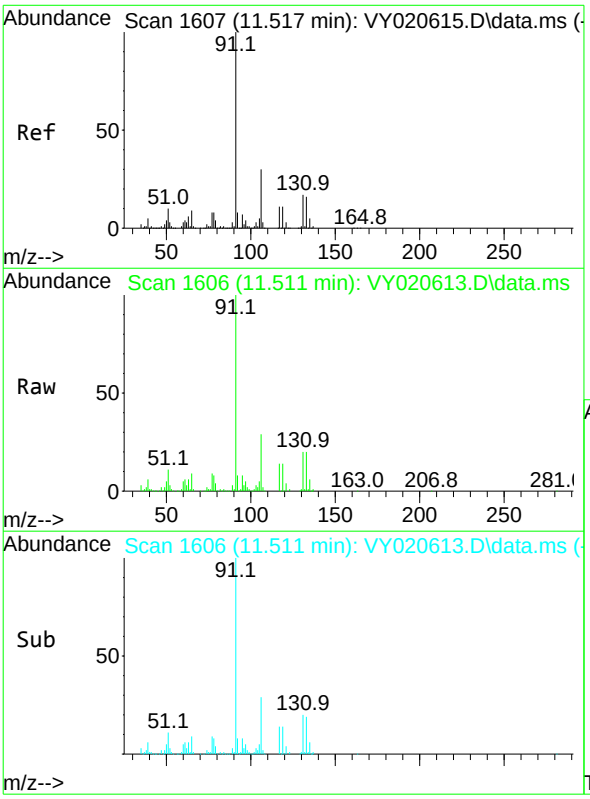
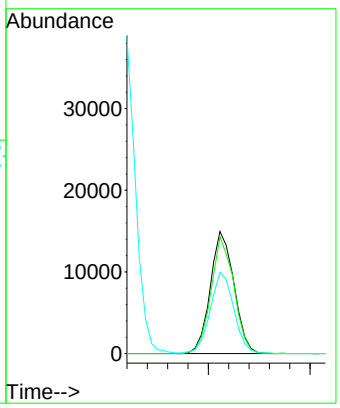
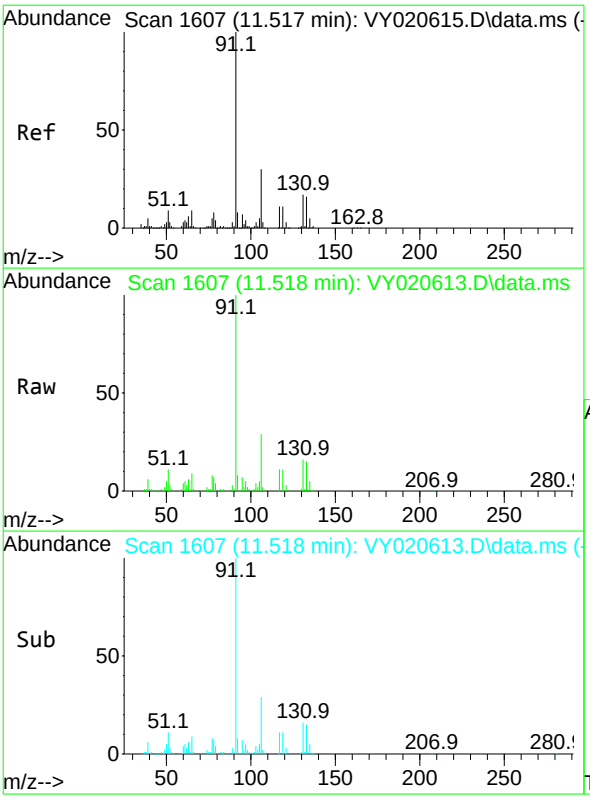


#66
1,1,1,2-Tetrachloroethane
Concen: 11.065 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:131 Resp: 24180

Ion	Ratio	Lower	Upper
131	100		
133	92.6	46.8	140.3
119	66.5	31.8	95.3

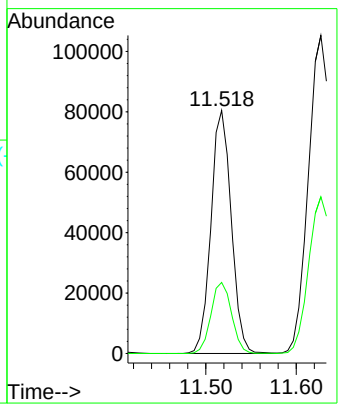




#67
Ethyl Benzene
Concen: 10.649 ug/l
RT: 11.518 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 91 Resp: 125547

Ion	Ratio	Lower	Upper
91	100		
106	29.2	23.9	35.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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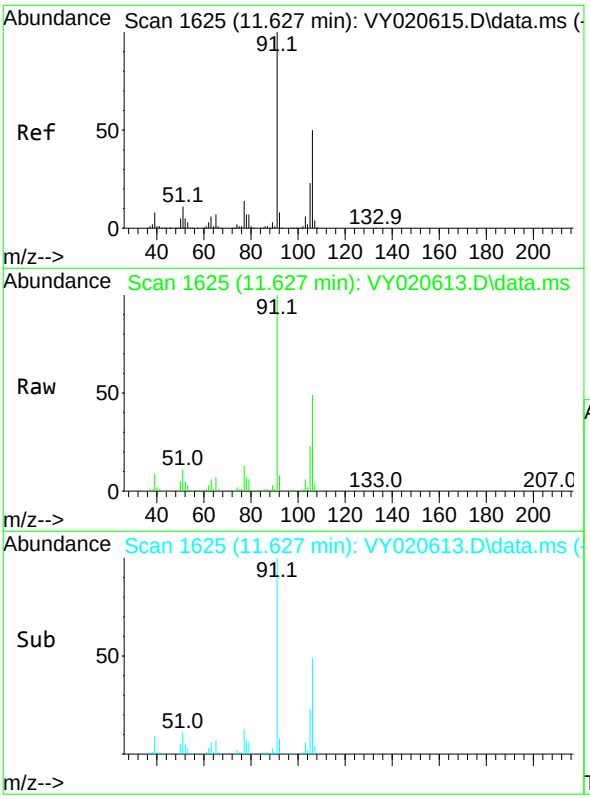
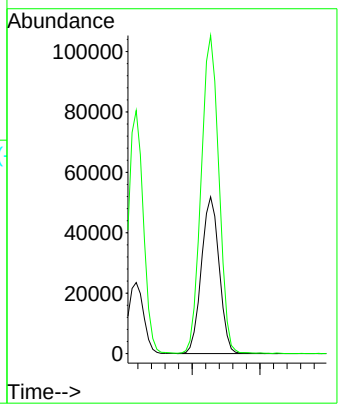
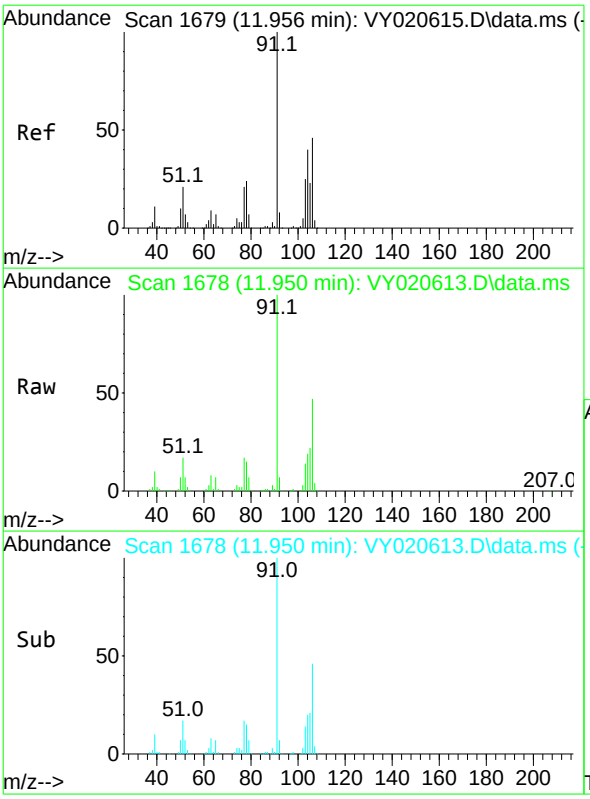


#68
m/p-Xylenes
Concen: 21.506 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:106 Resp: 94273

Ion	Ratio	Lower	Upper
106	100		
91	202.6	165.0	247.4





#69
o-Xylene
Concen: 10.684 ug/l
RT: 11.950 min Scan# 16
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:106 Resp: 43697

Ion	Ratio	Lower	Upper
106	100		
91	217.0	108.4	325.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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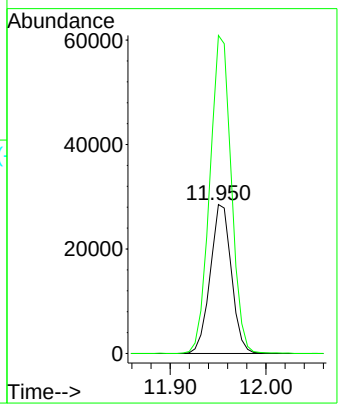
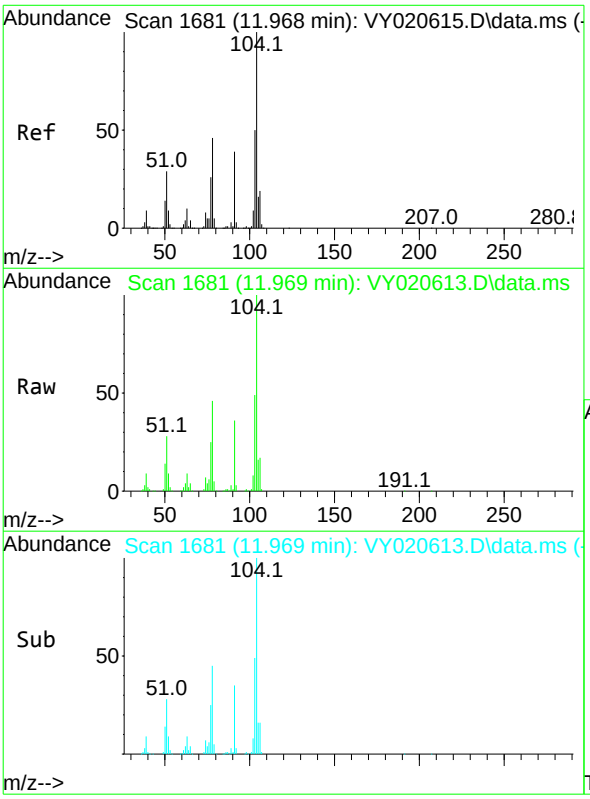
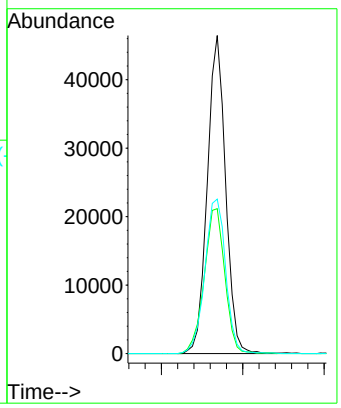


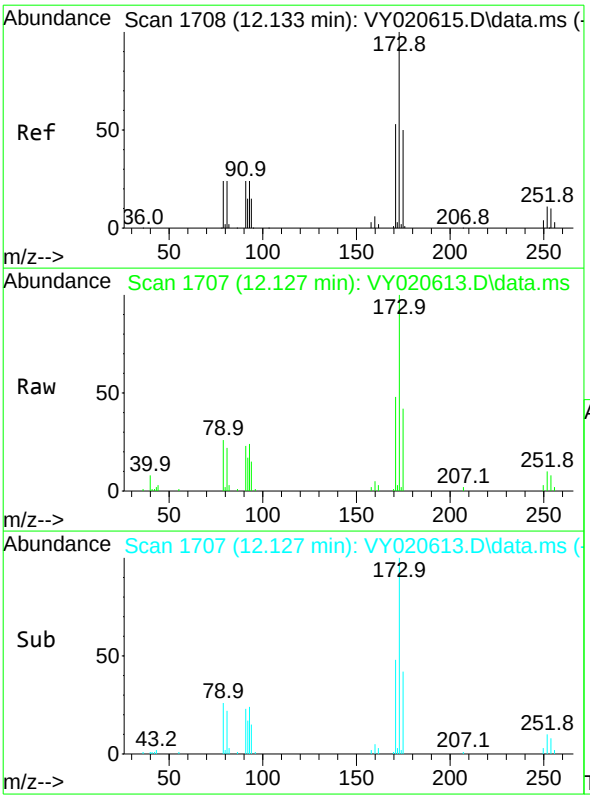


#70
Styrene
Concen: 10.612 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:104 Resp: 72514

Ion	Ratio	Lower	Upper
104	100		
78	51.6	41.6	62.4
103	55.4	43.7	65.5





#71
Bromoform
Concen: 11.250 ug/l
RT: 12.127 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:173 Resp: 13822

Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.6	74.0
254	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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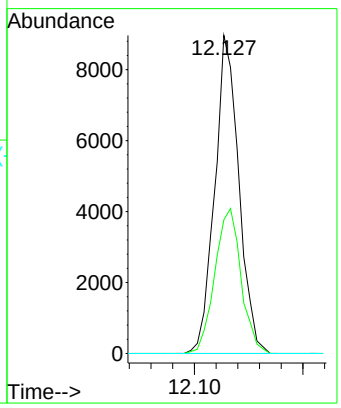
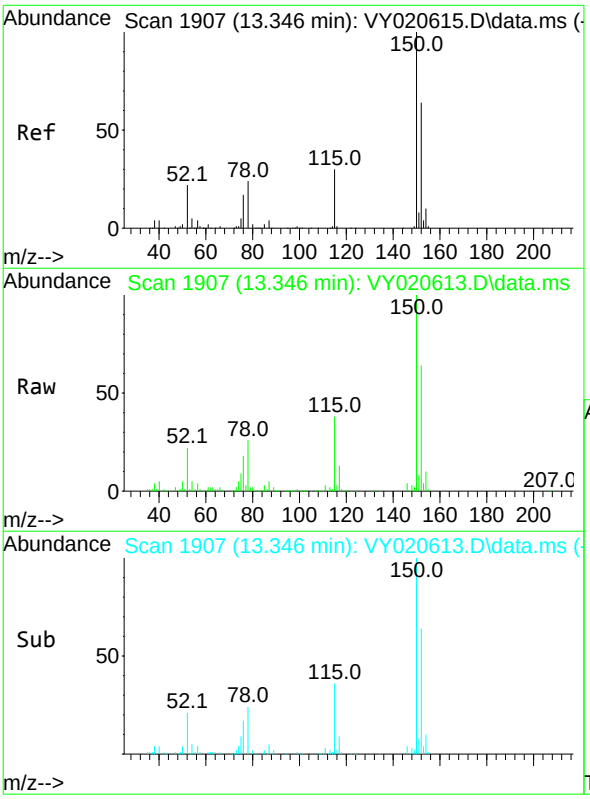
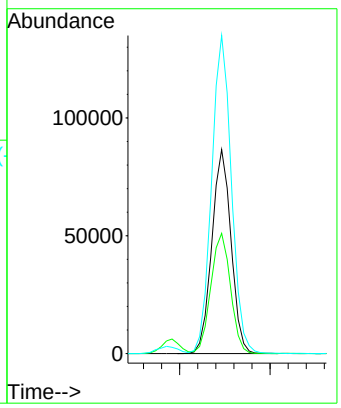


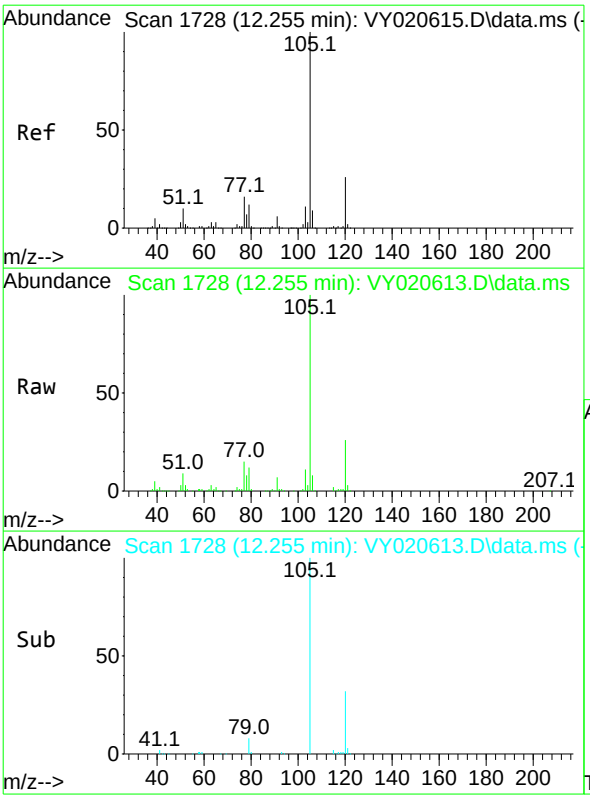


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:152 Resp: 127910

Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.2	90.6
150	160.3	0.0	355.4





#73
Isopropylbenzene
Concen: 10.624 ug/l
RT: 12.255 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:105 Resp: 118590

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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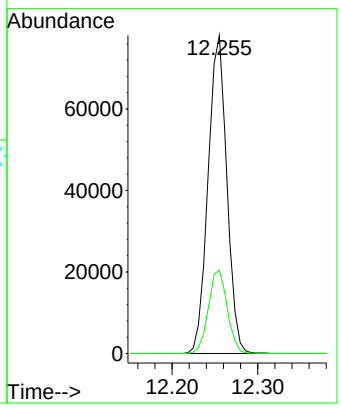
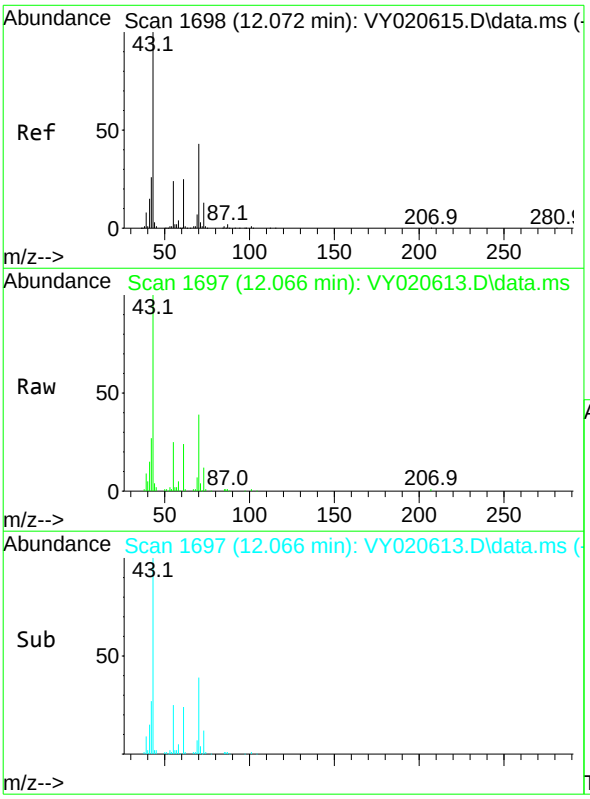
Supervised By :Semsettin Yesilyurt 12/18/2024

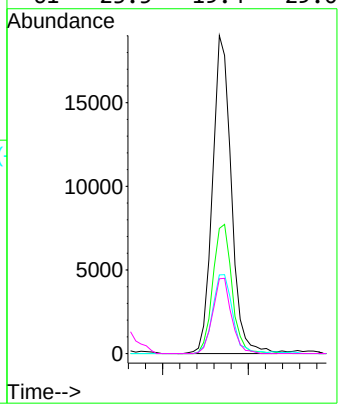


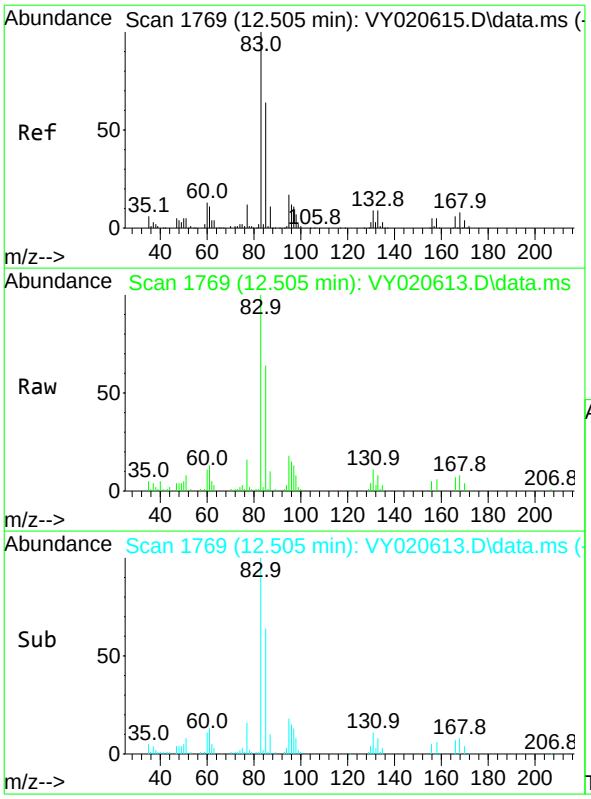


#74
N-amyl acetate
Concen: 11.093 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 43 Resp: 28977

Ion	Ratio	Lower	Upper
43	100		
70	41.2	34.2	51.2
55	26.3	19.6	29.4
61	23.5	19.4	29.0

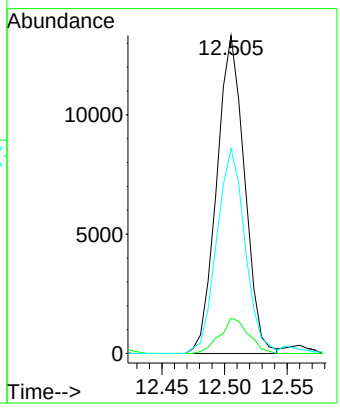




#75
1,1,2,2-Tetrachloroethane
Concen: 11.352 ug/l
RT: 12.505 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 83 Resp: 20569

Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.2	15.6
85	65.6	32.5	97.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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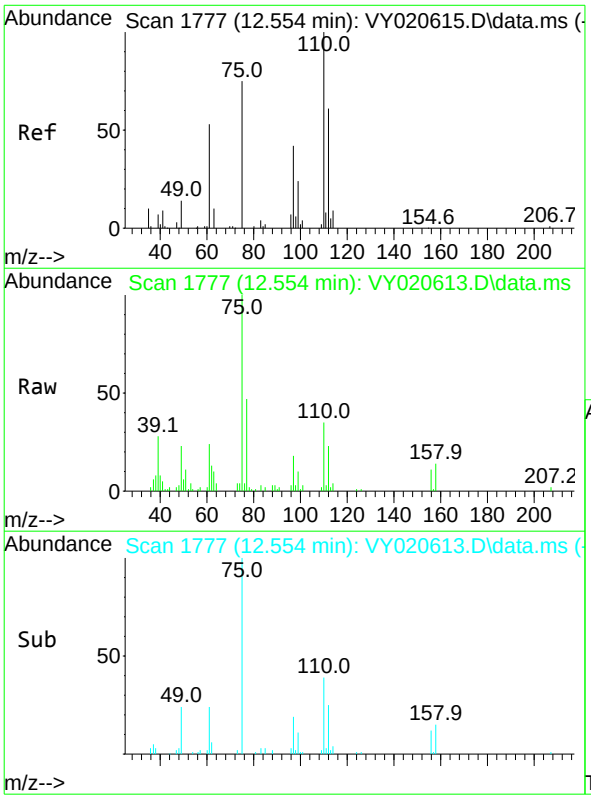
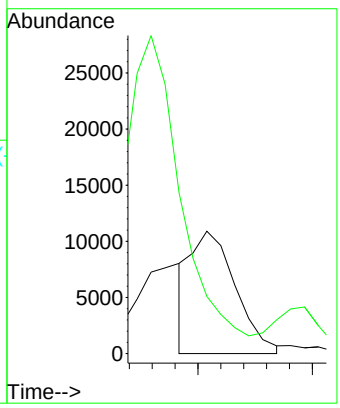
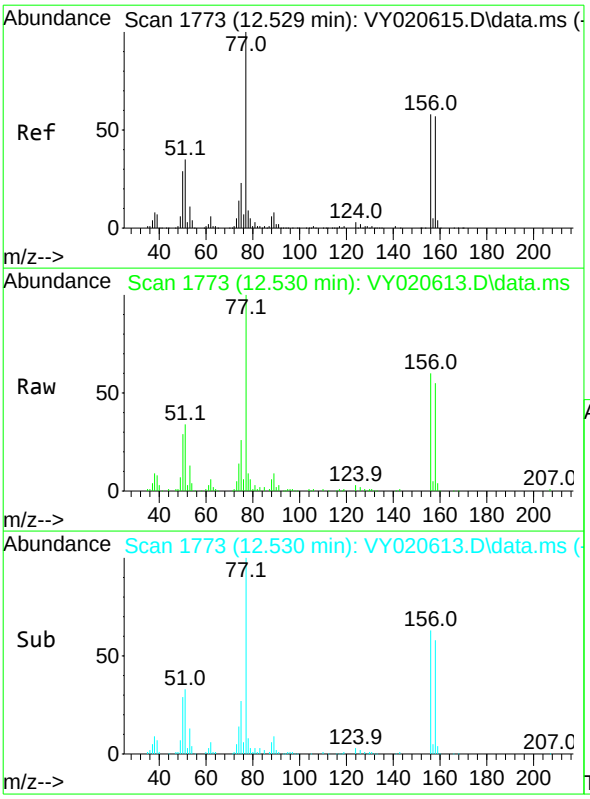


#76
1,2,3-Trichloropropane
Concen: 11.287 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 75 Resp: 14870

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

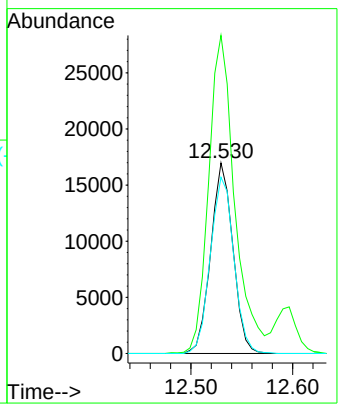




#77
Bromobenzene
Concen: 10.591 ug/l
RT: 12.530 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:156 Resp: 25752

Ion	Ratio	Lower	Upper
156	100		
77	195.4	94.2	282.4
158	97.9	48.9	146.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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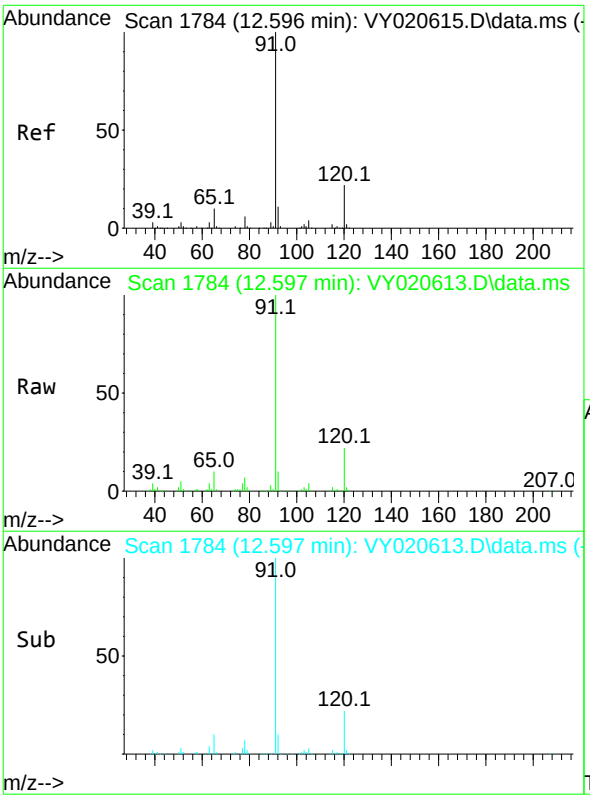
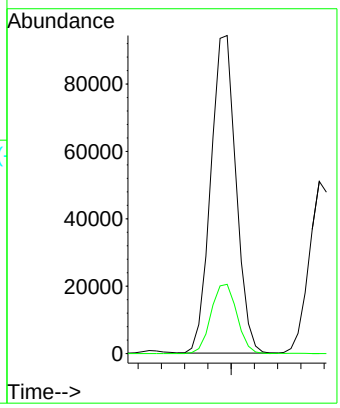
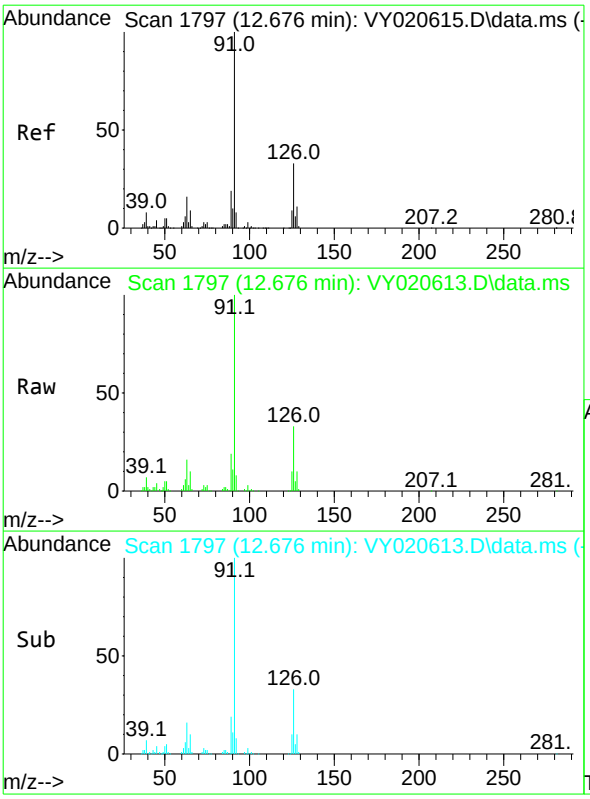


#78
n-propylbenzene
Concen: 10.588 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 91 Resp: 142396

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1





#79
2-Chlorotoluene
Concen: 10.527 ug/l
RT: 12.676 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 91 Resp: 79651

Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.6	49.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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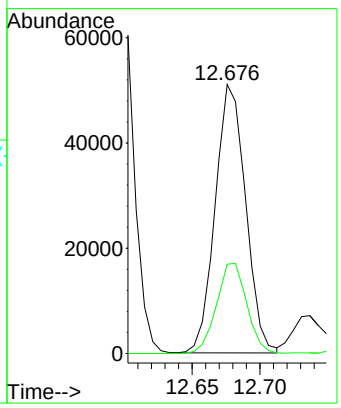
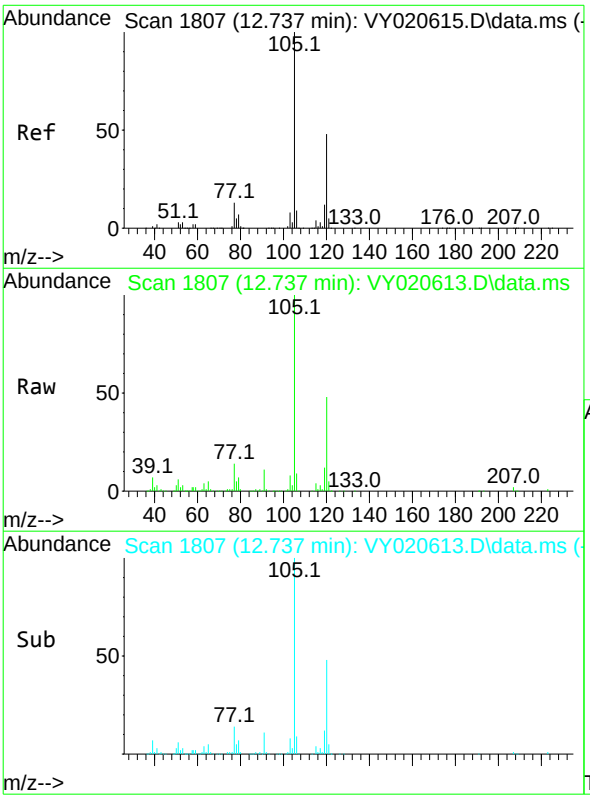
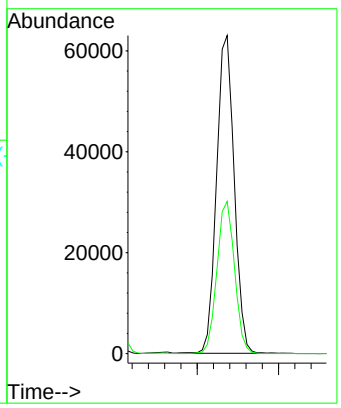


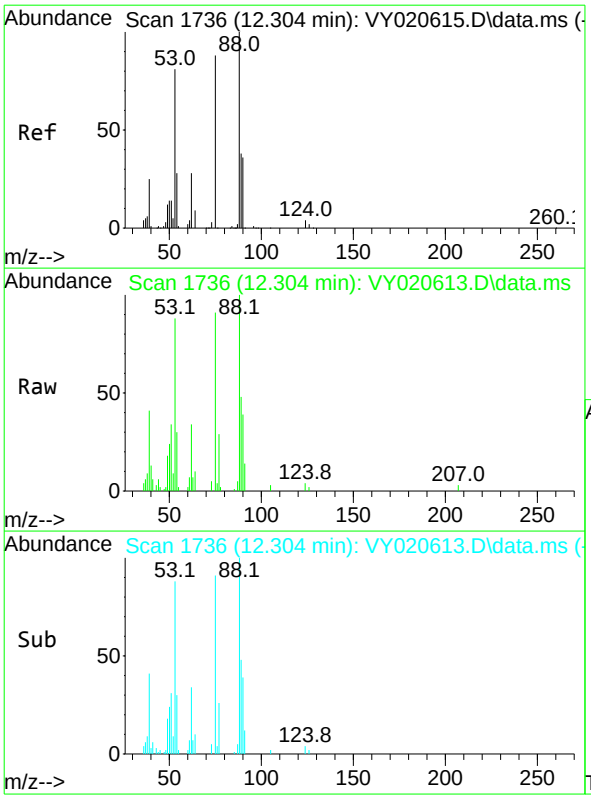


#80
1,3,5-Trimethylbenzene
Concen: 10.453 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:105 Resp: 94672

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 10.913 ug/l
RT: 12.304 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

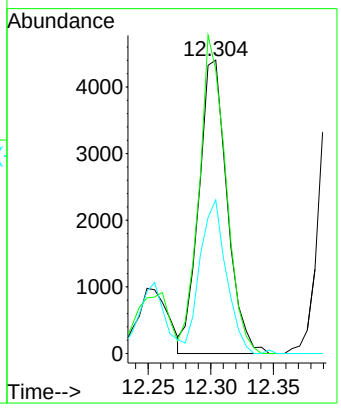
Tgt Ion: 75 Resp: 6908

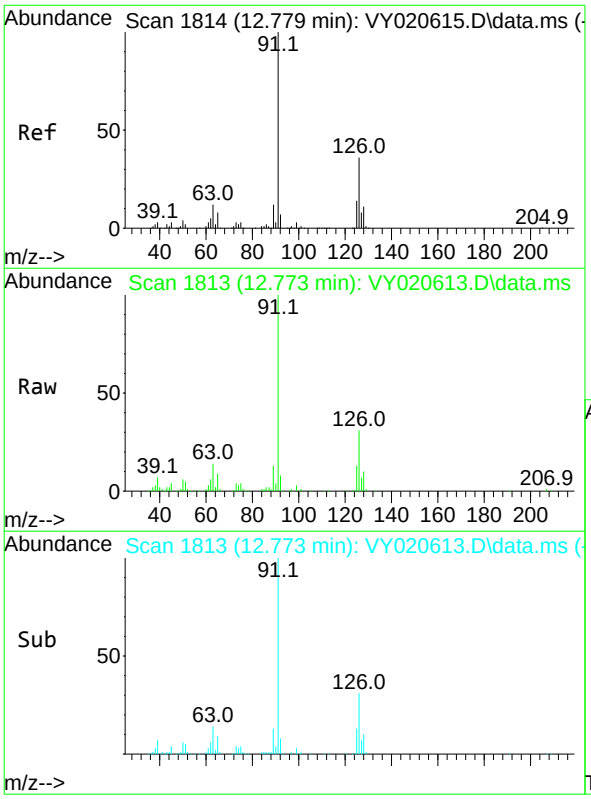
Ion	Ratio	Lower	Upper
75	100		
53	102.6	75.4	113.2
89	48.3	37.0	55.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

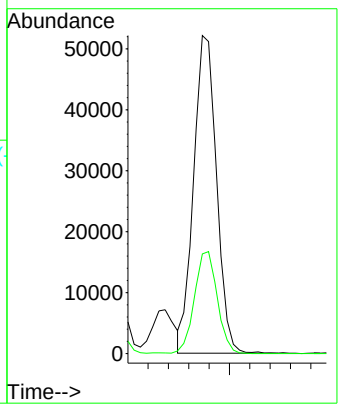


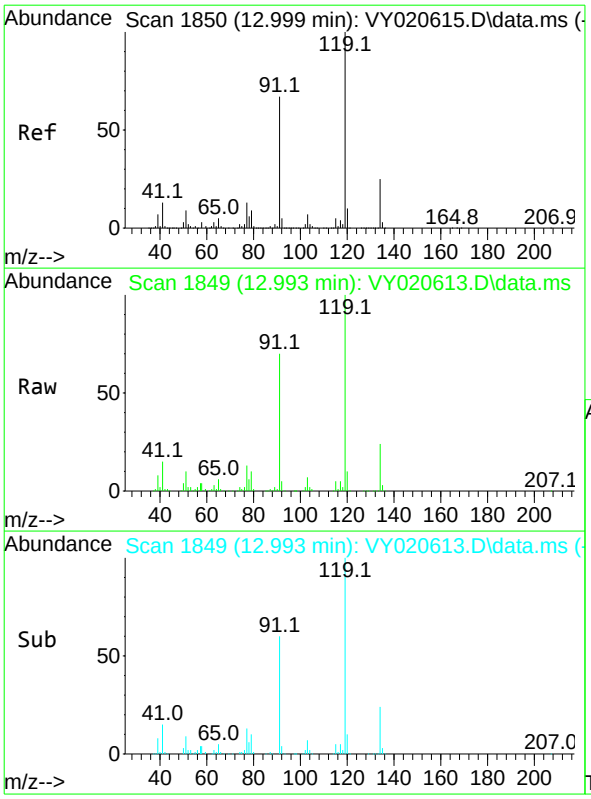


#82
4-Chlorotoluene
Concen: 10.380 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 91 Resp: 81482

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.6	49.7

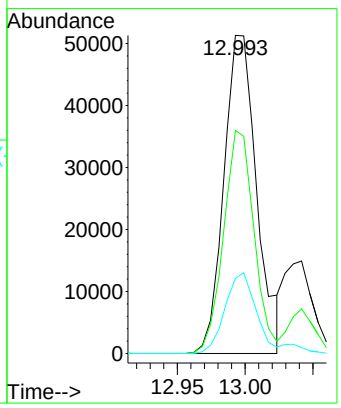




#83
tert-Butylbenzene
Concen: 10.534 ug/l
RT: 12.993 min Scan# 18
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:119 Resp: 86405

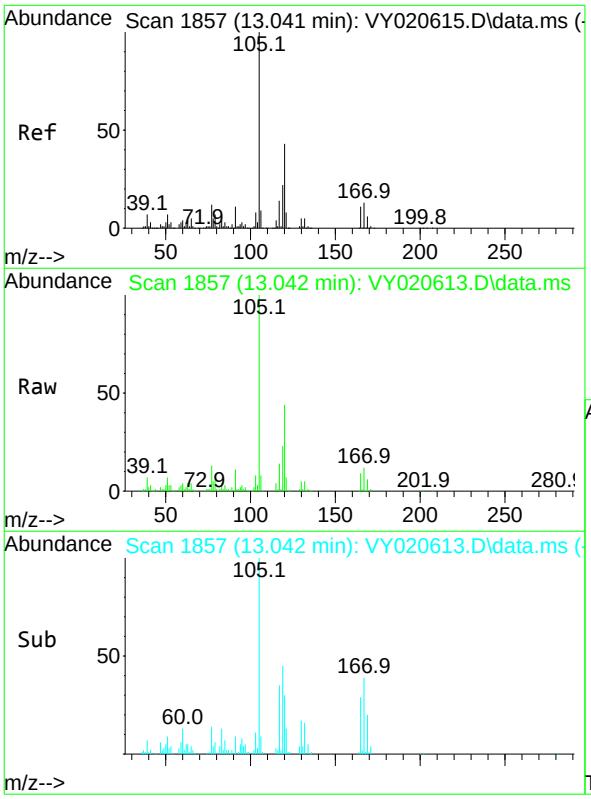
Ion	Ratio	Lower	Upper
119	100		
91	65.2	32.9	98.6
134	25.8	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

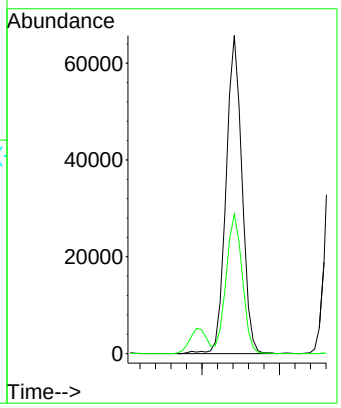
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

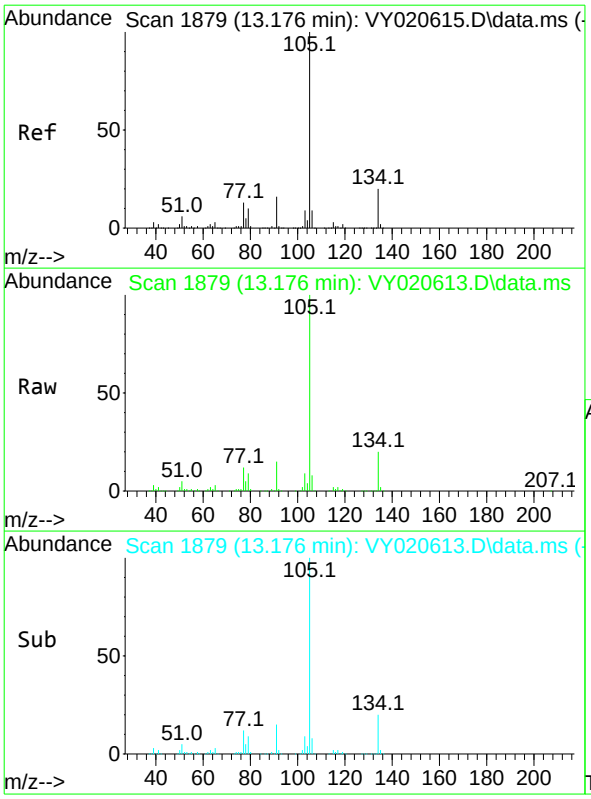


#84
1,2,4-Trimethylbenzene
Concen: 10.539 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:105 Resp: 93630

Ion	Ratio	Lower	Upper
105	100		
120	44.9	21.8	65.4

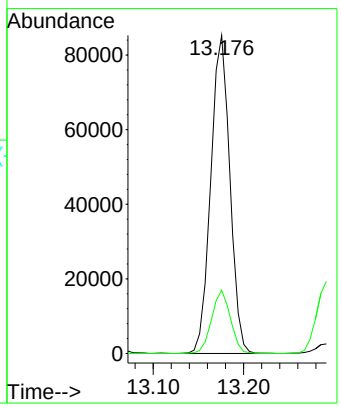




#85
sec-Butylbenzene
Concen: 10.497 ug/l
RT: 13.176 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:105 Resp: 125189

Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Mahesh Dadoda 12/18/2024
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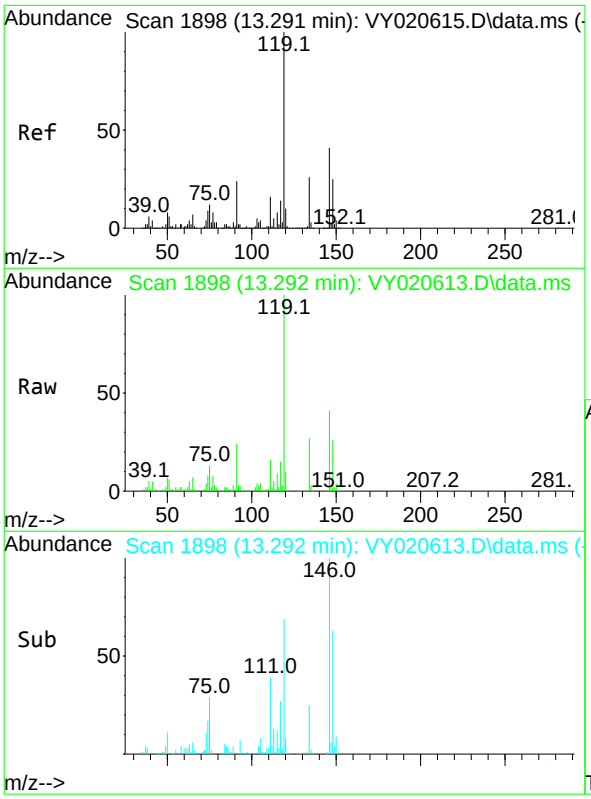
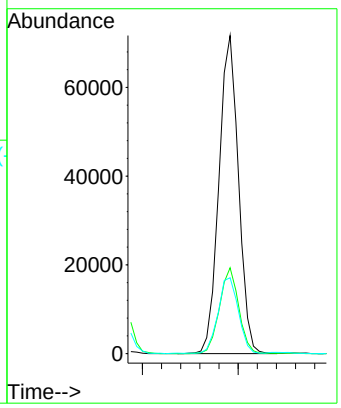
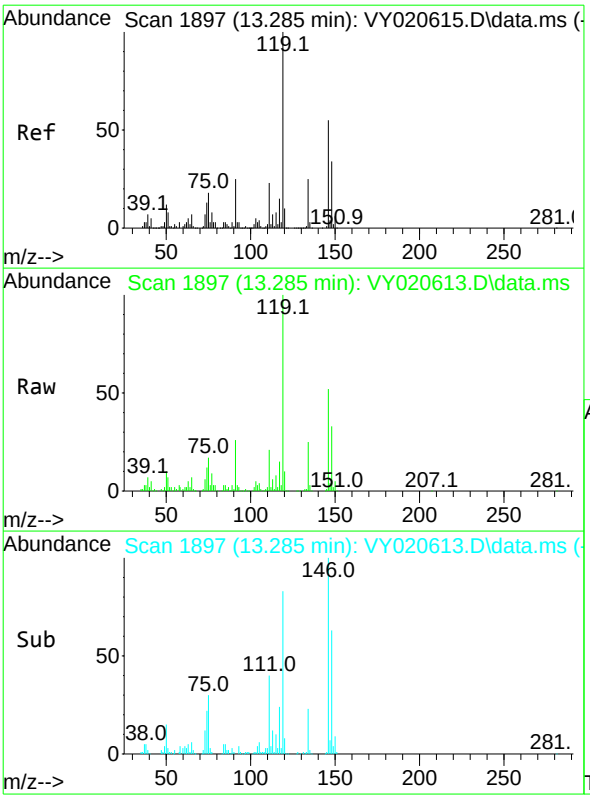


#86
p-Isopropyltoluene
Concen: 10.342 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:119 Resp: 101690

Ion	Ratio	Lower	Upper
119	100		
134	26.6	12.9	38.6
91	24.7	12.1	36.3

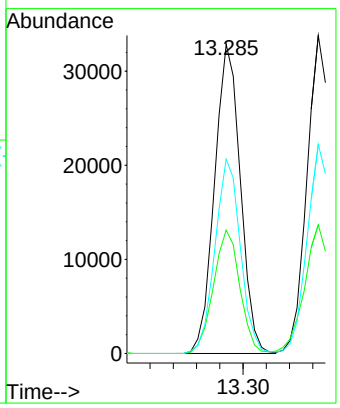




#87
1,3-Dichlorobenzene
Concen: 10.561 ug/l
RT: 13.285 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:146 Resp: 50691

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.6	61.8
148	62.1	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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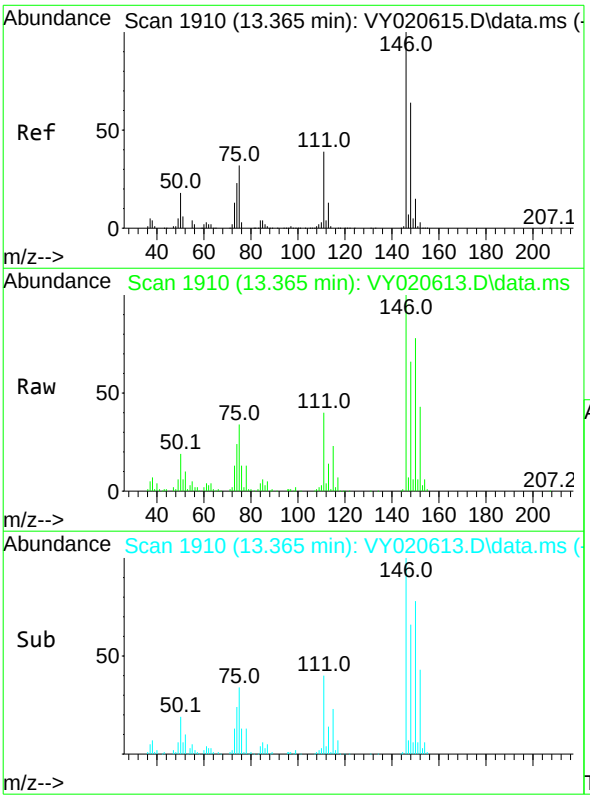
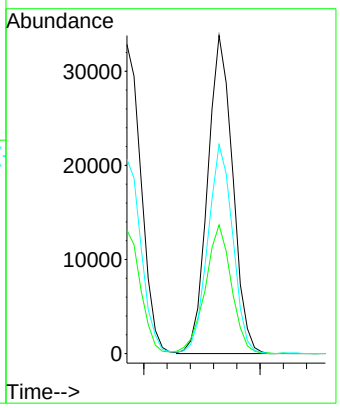
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

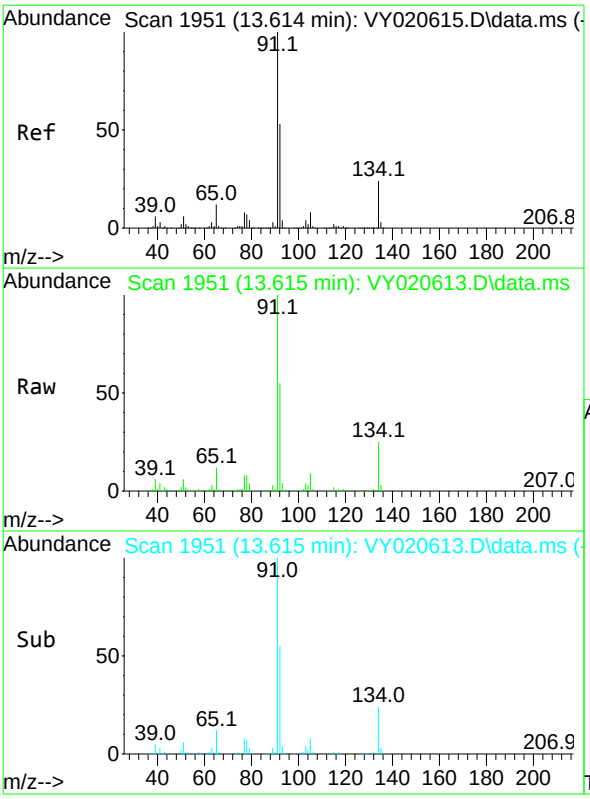


#88
1,4-Dichlorobenzene
Concen: 10.658 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:146 Resp: 50665

Ion	Ratio	Lower	Upper
146	100		
111	42.4	19.6	58.7
148	65.3	31.9	95.5

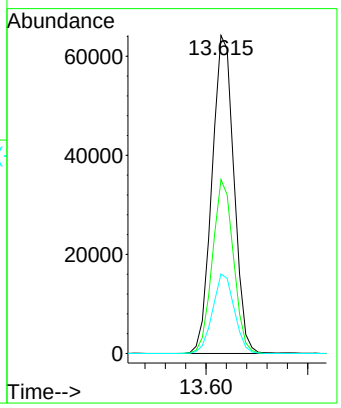




#89
n-Butylbenzene
Concen: 10.307 ug/l
RT: 13.615 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 91 Resp: 96052

Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.8	80.4
134	24.7	12.5	37.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Mahesh Dadoda 12/18/2024
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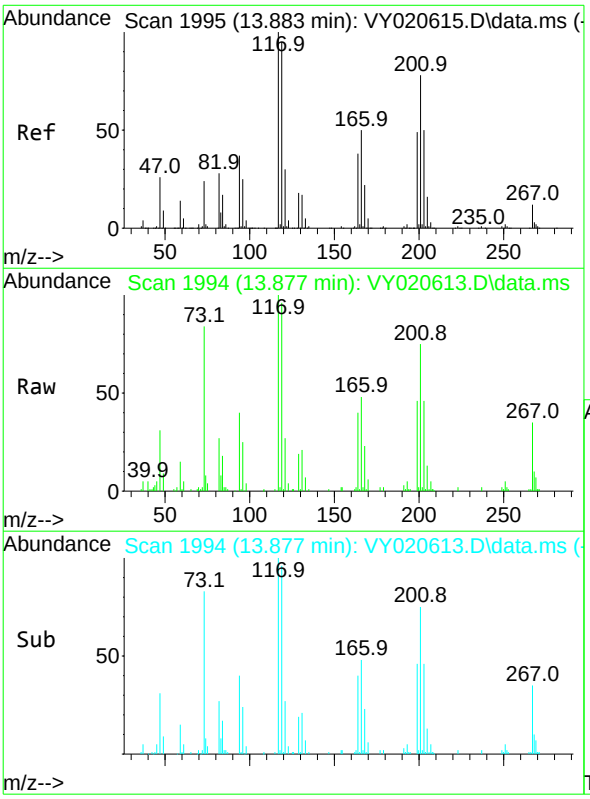
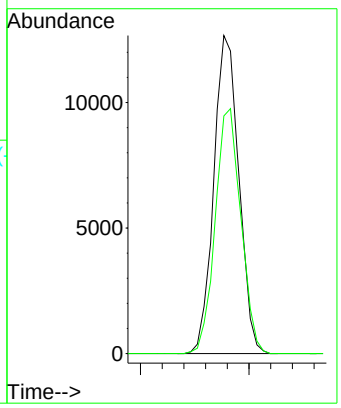
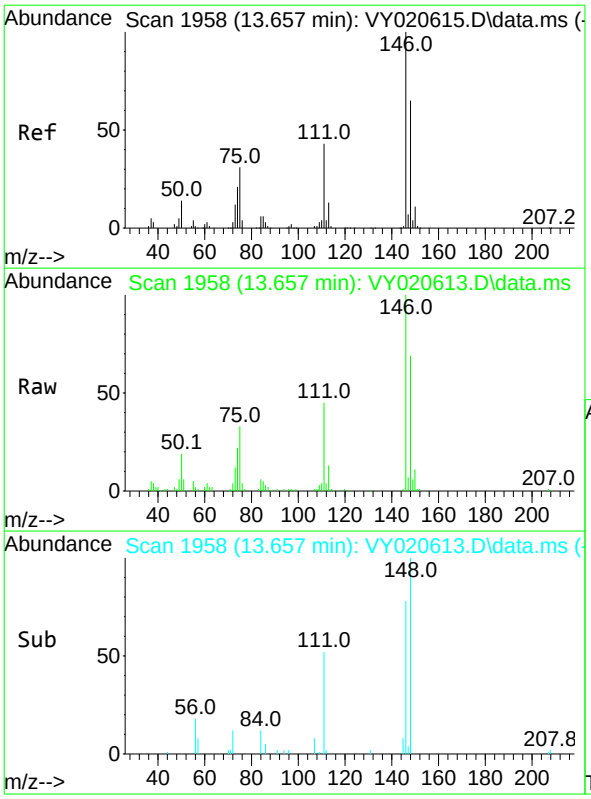


#90
Hexachloroethane
Concen: 10.430 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:117 Resp: 20324

Ion	Ratio	Lower	Upper
117	100		
201	78.7	39.1	117.3





#91
1,2-Dichlorobenzene
Concen: 10.674 ug/l
RT: 13.657 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

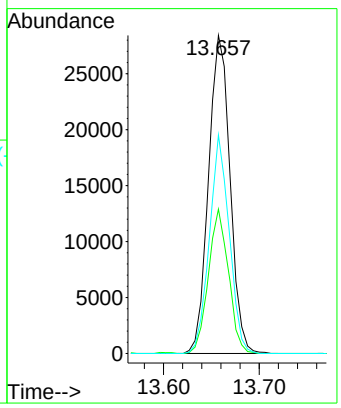
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

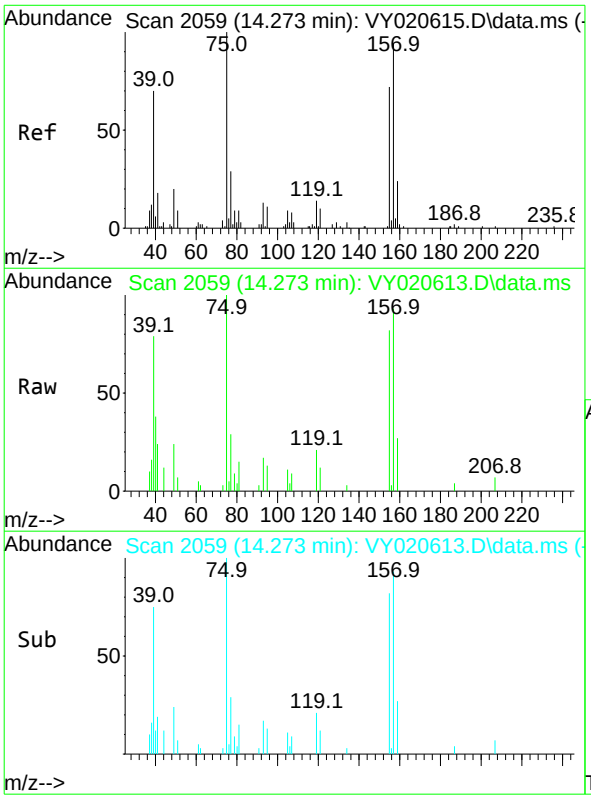
Tgt Ion:146 Resp: 44391

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.3	63.7
148	63.3	32.0	96.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

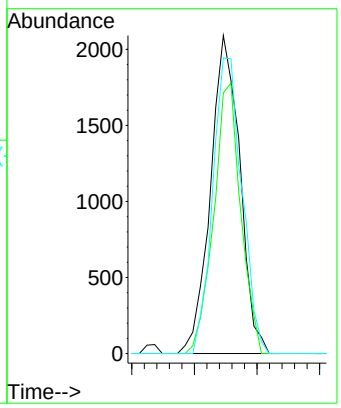


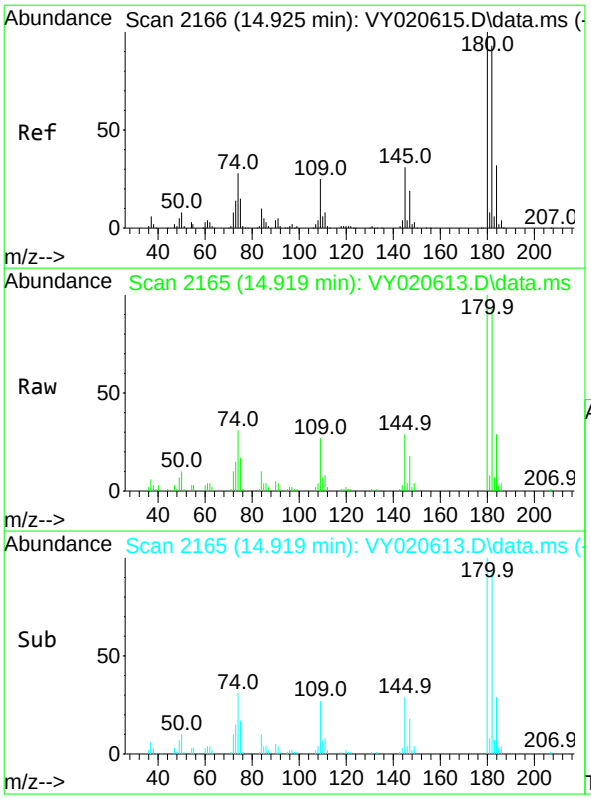


#92
1,2-Dibromo-3-Chloropropane
Concen: 11.579 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 75 Resp: 3406

Ion	Ratio	Lower	Upper
75	100		
155	78.1	41.1	123.3
157	92.3	52.9	158.8





#93
1,2,4-Trichlorobenzene
Concen: 9.920 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:180 Resp: 24954

Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.9	143.6
145	30.3	15.6	46.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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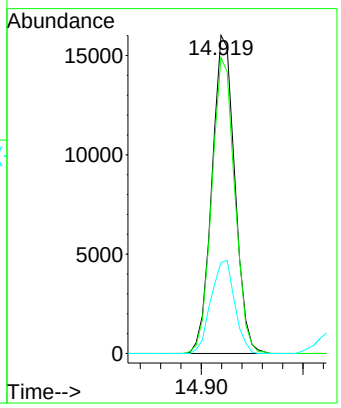
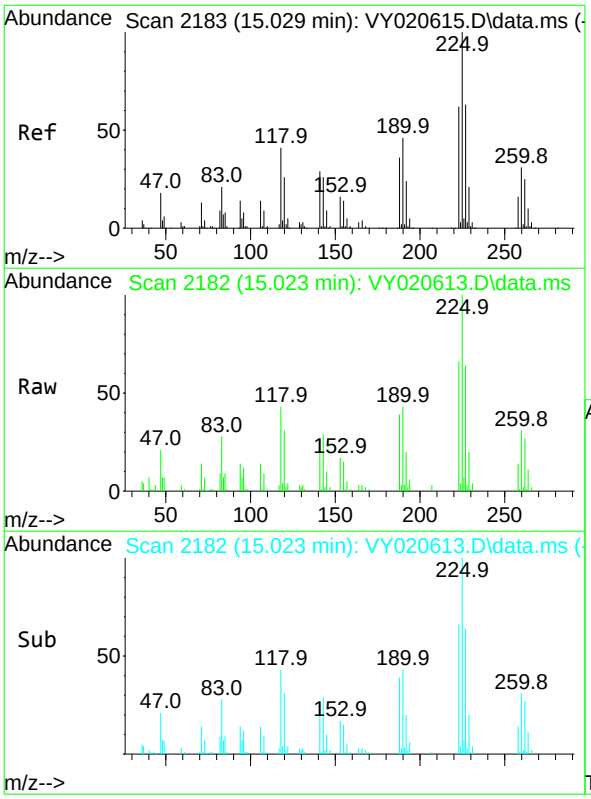
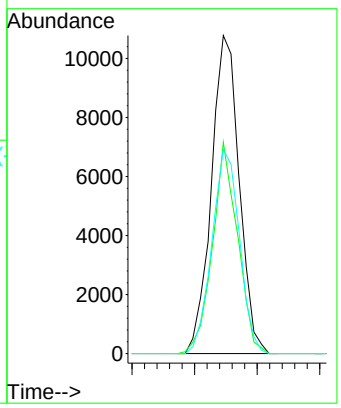


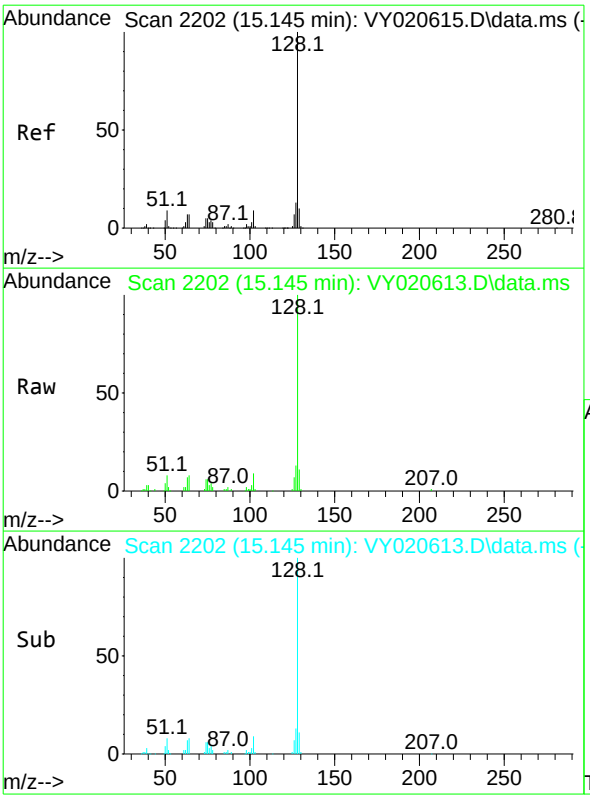


#94
Hexachlorobutadiene
Concen: 10.107 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:225 Resp: 16620

Ion	Ratio	Lower	Upper
225	100		
223	59.8	31.8	95.3
227	63.6	32.2	96.6

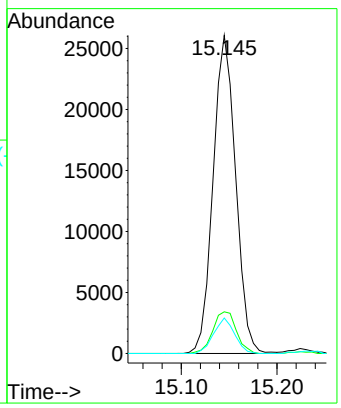




#95
Naphthalene
Concen: 9.901 ug/l
RT: 15.145 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:128 Resp: 42698

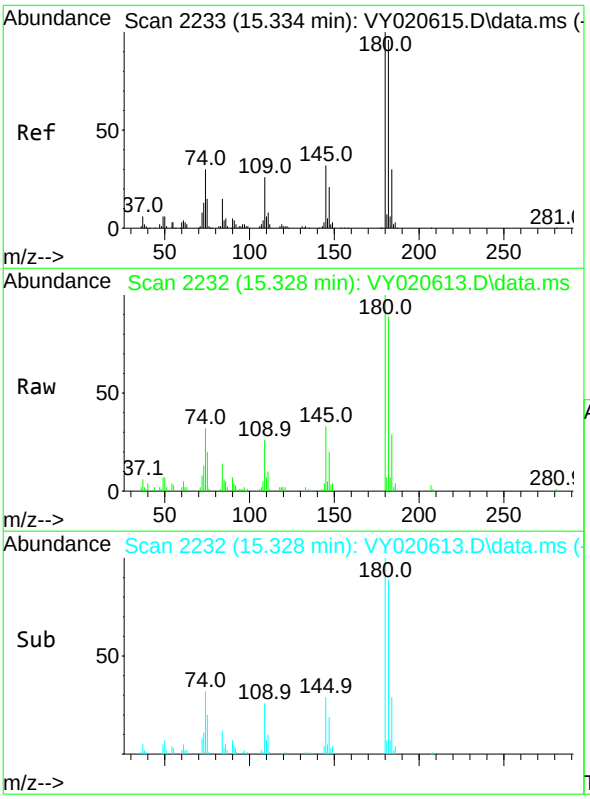
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.7	16.1
129	10.4	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

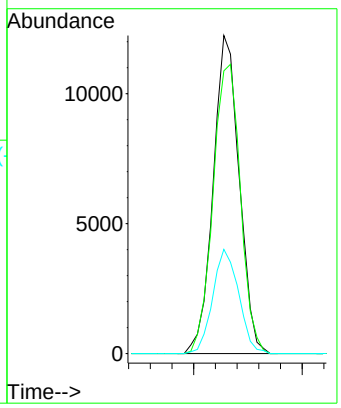
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#96
1,2,3-Trichlorobenzene
Concen: 9.602 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:180 Resp: 20408

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	32.7	16.0	48.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020614.D
Acq On : 17 Dec 2024 10:23
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 04:51:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	177160	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	272612	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	241222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	131827	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	34492	17.777	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	35.560%#		
35) Dibromofluoromethane	7.634	113	35742	18.603	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	37.200%#		
50) Toluene-d8	10.103	98	122846	18.267	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	36.540%#		
62) 4-Bromofluorobenzene	12.401	95	48801	18.552	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	37.100%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	44875	20.280	ug/l	99
3) Chloromethane	2.068	50	35845	21.863	ug/l	98
4) Vinyl Chloride	2.202	62	33253	21.791	ug/l	100
5) Bromomethane	2.586	94	19758	20.142	ug/l	100
6) Chloroethane	2.732	64	20312	21.539	ug/l	98
7) Trichlorofluoromethane	3.055	101	67594	21.169	ug/l	98
8) Diethyl Ether	3.452	74	23380	20.878	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.817	101	46696	20.403	ug/l	100
10) Methyl Iodide	4.000	142	52895	20.758	ug/l	97
11) Tert butyl alcohol	4.866	59	25807	106.274	ug/l #	93
12) 1,1-Dichloroethene	3.787	96	45124	20.319	ug/l	99
13) Acrolein	3.653	56	11611	126.557	ug/l	94
14) Allyl chloride	4.384	41	79257	20.368	ug/l	99
15) Acrylonitrile	5.055	53	51118	95.416	ug/l	99
16) Acetone	3.866	43	38075	94.781	ug/l	99
17) Carbon Disulfide	4.104	76	147576	20.416	ug/l	100
18) Methyl Acetate	4.384	43	24886	18.851	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	112241	19.582	ug/l	96
20) Methylene Chloride	4.616	84	48431	20.076	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	49814	19.997	ug/l	97
22) Diisopropyl ether	6.018	45	158410	20.055	ug/l	97
23) Vinyl Acetate	5.963	43	441039	98.587	ug/l	100
24) 1,1-Dichloroethane	5.915	63	92599	20.011	ug/l	99
25) 2-Butanone	6.896	43	67498	93.608	ug/l	98
26) 2,2-Dichloropropane	6.884	77	86393	19.750	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	57749	20.149	ug/l	99
28) Bromochloromethane	7.244	49	24987	16.009	ug/l	98
29) Tetrahydrofuran	7.256	42	44636	98.059	ug/l	98
30) Chloroform	7.421	83	103806	19.065	ug/l	99
31) Cyclohexane	7.701	56	88339	19.966	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	86081	20.249	ug/l	99
36) 1,1-Dichloropropene	7.835	75	69466	19.828	ug/l	99
37) Ethyl Acetate	6.982	43	31585	19.166	ug/l	99
38) Carbon Tetrachloride	7.817	117	77945	20.109	ug/l	96
39) Methylcyclohexane	9.103	83	92458	20.249	ug/l	97
40) Benzene	8.079	78	207185	20.176	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020614.D
Acq On : 17 Dec 2024 10:23
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 04:51:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	15884	18.232	ug/l		96
42) 1,2-Dichloroethane	8.158	62	54425	19.983	ug/l		99
43) Isopropyl Acetate	8.195	43	60446	19.375	ug/l	#	88
44) Trichloroethene	8.865	130	50346	19.952	ug/l		100
45) 1,2-Dichloropropane	9.140	63	49119	20.466	ug/l		99
46) Dibromomethane	9.231	93	25054	19.753	ug/l		99
47) Bromodichloromethane	9.420	83	68951	20.125	ug/l		97
48) Methyl methacrylate	9.219	41	28256	19.051	ug/l		100
49) 1,4-Dioxane	9.225	88	5399	371.167	ug/l		96
51) 4-Methyl-2-Pentanone	9.993	43	157955	95.918	ug/l		99
52) Toluene	10.170	92	129196	20.245	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	62391	19.543	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	75647	19.996	ug/l		97
55) 1,1,2-Trichloroethane	10.572	97	33330	19.875	ug/l		97
56) Ethyl methacrylate	10.438	69	46055	18.930	ug/l		99
57) 1,3-Dichloropropane	10.713	76	59274	19.828	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	96023	93.804	ug/l		100
59) 2-Hexanone	10.755	43	99623	94.224	ug/l		100
60) Dibromochloromethane	10.908	129	43825	19.541	ug/l		98
61) 1,2-Dibromoethane	11.011	107	30621	19.630	ug/l		100
64) Tetrachloroethene	10.646	164	44735	19.716	ug/l		98
65) Chlorobenzene	11.438	112	134807	19.987	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.517	131	45146	19.574	ug/l		98
67) Ethyl Benzene	11.517	91	249208	20.027	ug/l		100
68) m/p-Xylenes	11.627	106	183488	39.659	ug/l		98
69) o-Xylene	11.950	106	86043	19.932	ug/l		98
70) Styrene	11.968	104	144333	20.012	ug/l		99
71) Bromoform	12.133	173	24718	19.062	ug/l	#	99
73) Isopropylbenzene	12.255	105	234727	20.404	ug/l		100
74) N-amyl acetate	12.066	43	52699	19.574	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	36998	19.813	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	27440m	20.210	ug/l		
77) Bromobenzene	12.529	156	50276	20.063	ug/l		99
78) n-propylbenzene	12.596	91	284604	20.534	ug/l		100
79) 2-Chlorotoluene	12.676	91	158834	20.369	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	190968	20.458	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	13039	19.986	ug/l		98
82) 4-Chlorotoluene	12.773	91	164692	20.358	ug/l		99
83) tert-Butylbenzene	12.999	119	173358	20.507	ug/l		100
84) 1,2,4-Trimethylbenzene	13.041	105	186344	20.352	ug/l		99
85) sec-Butylbenzene	13.176	105	251880	20.492	ug/l		100
86) p-Isopropyltoluene	13.291	119	208342	20.558	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	100815	20.380	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	97668	19.935	ug/l		99
89) n-Butylbenzene	13.615	91	196997	20.511	ug/l		99
90) Hexachloroethane	13.877	117	40281	20.057	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	85128	19.862	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5627	18.561	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	48869	18.850	ug/l		99
94) Hexachlorobutadiene	15.023	225	33524	19.781	ug/l		99
95) Naphthalene	15.145	128	80562	18.126	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	41686	19.031	ug/l		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020614.D
Acq On : 17 Dec 2024 10:23
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 04:51:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

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

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

ICAL Form

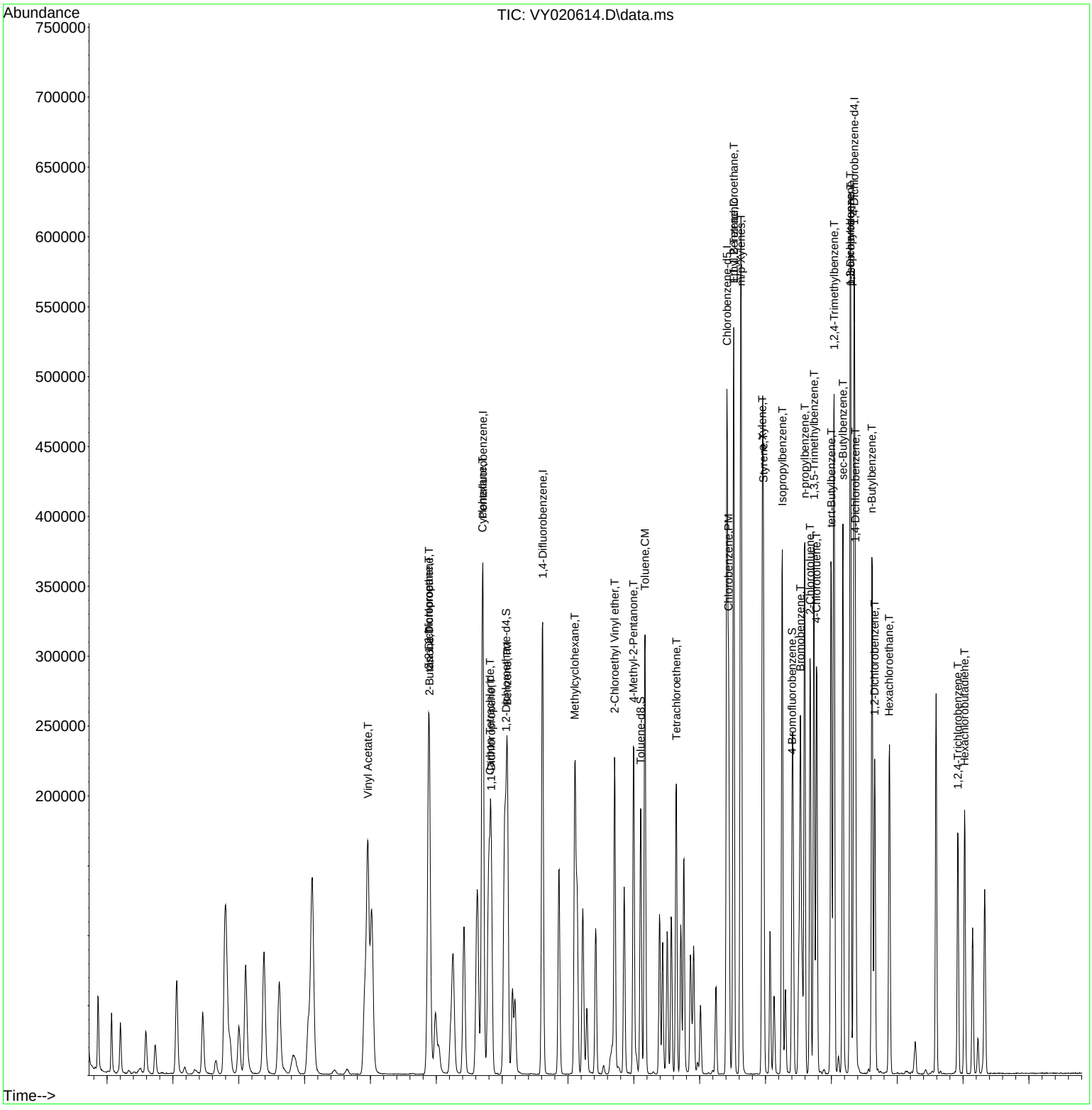
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020614.D
Acq On : 17 Dec 2024 10:23
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

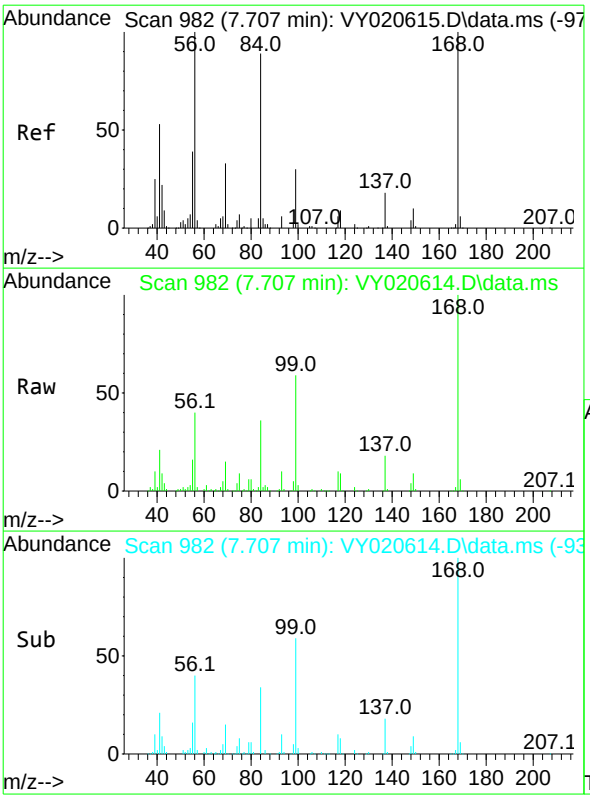
Quant Time: Dec 18 04:51:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

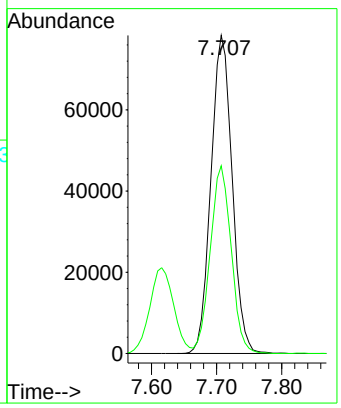




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:168 Resp: 177160

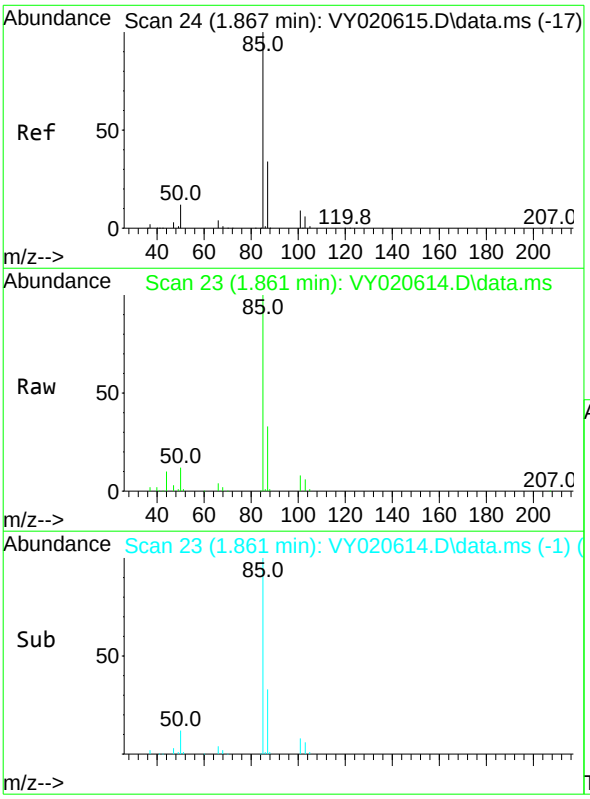
Ion	Ratio	Lower	Upper
168	100		
99	59.0	47.0	70.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

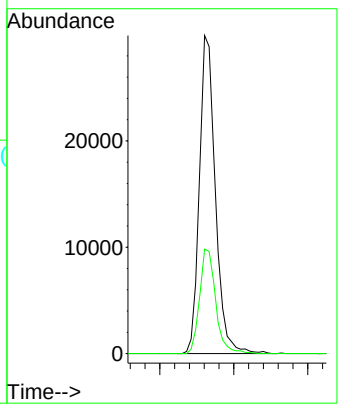
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

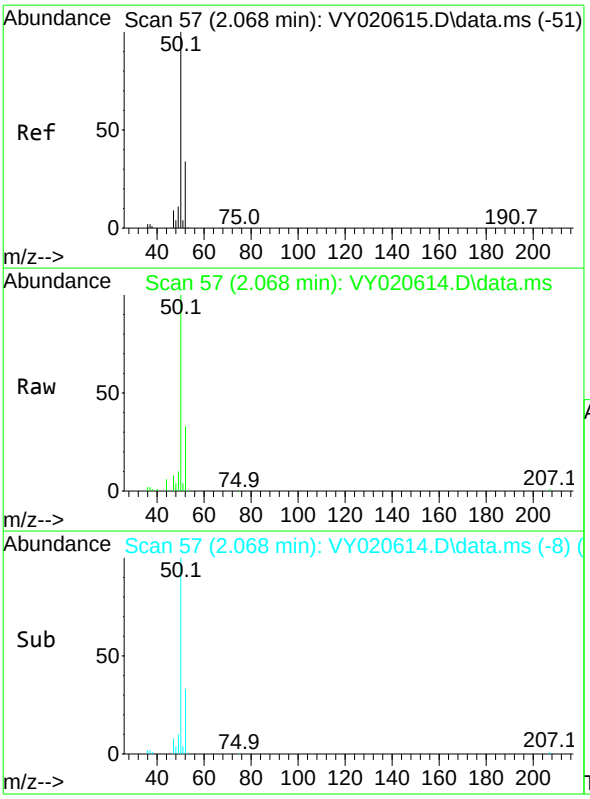


#2
Dichlorodifluoromethane
Concen: 20.280 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 85 Resp: 44875

Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.8	50.3

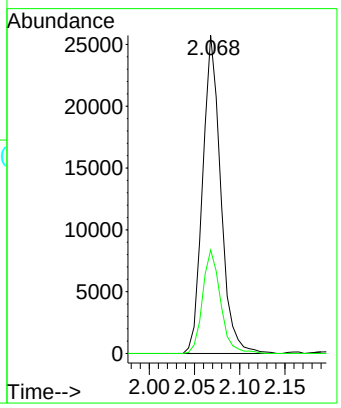




#3
Chloromethane
Concen: 21.863 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 50 Resp: 35845

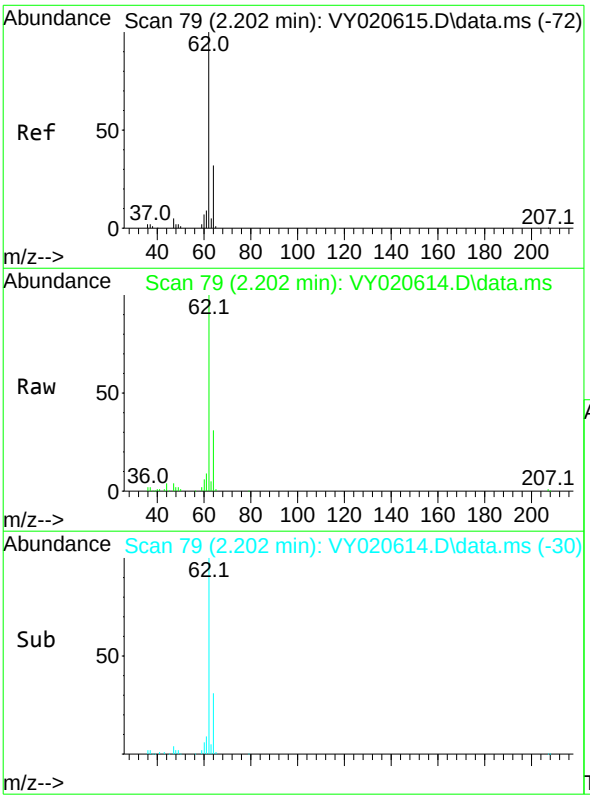
Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

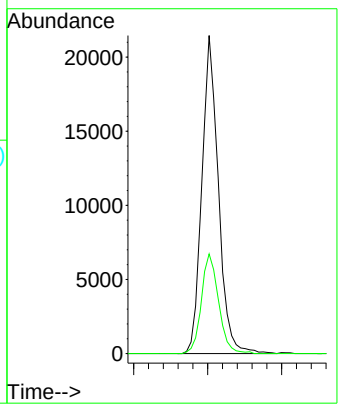
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

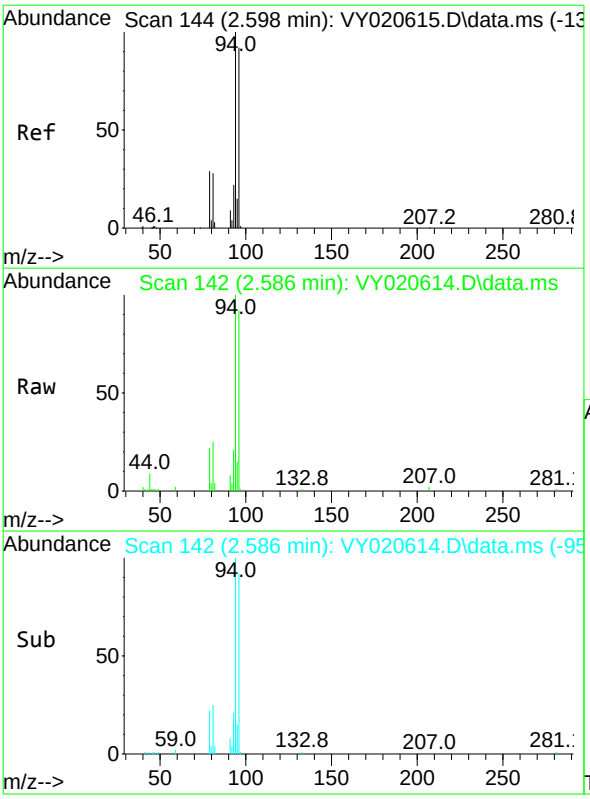


#4
Vinyl Chloride
Concen: 21.791 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 62 Resp: 33253

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.3	37.9

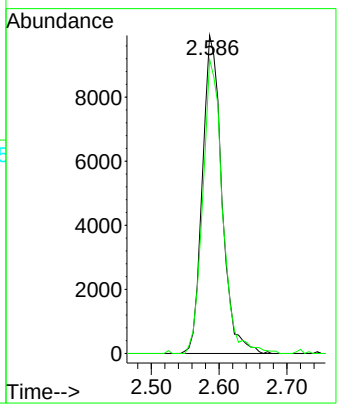




#5
Bromomethane
Concen: 20.142 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 94 Resp: 19758

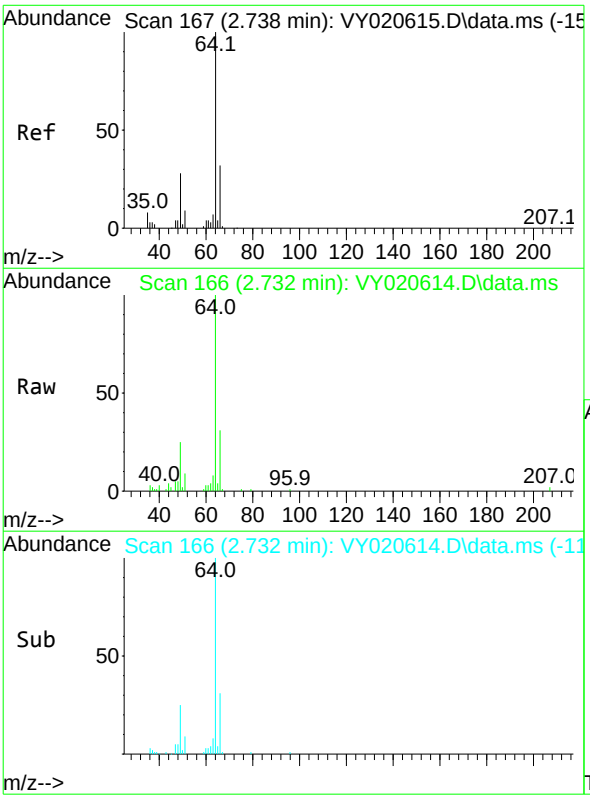
Ion	Ratio	Lower	Upper
94	100		
96	92.5	73.8	110.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

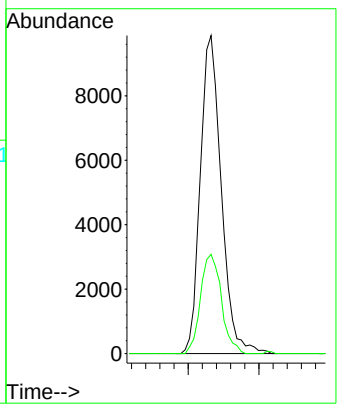
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

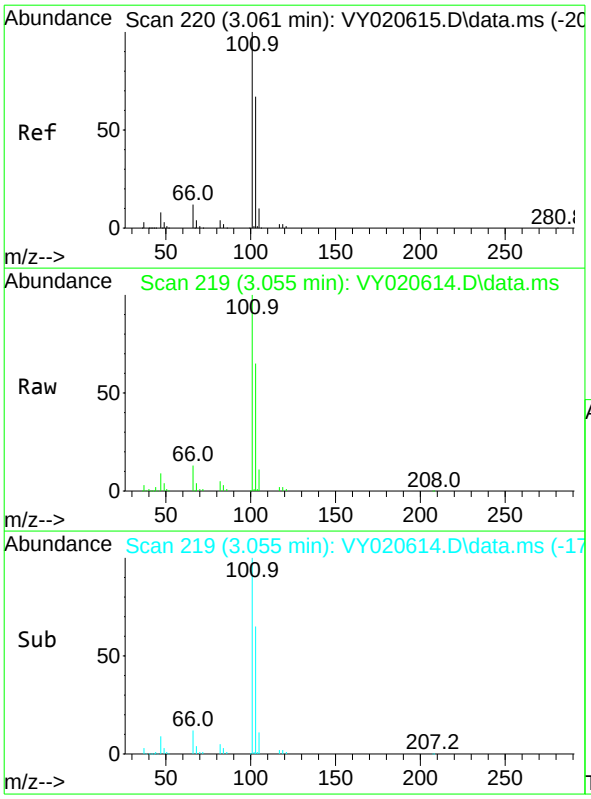


#6
Chloroethane
Concen: 21.539 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 64 Resp: 20312

Ion	Ratio	Lower	Upper
64	100		
66	31.2	25.8	38.6

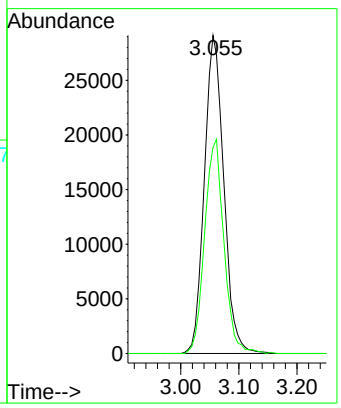




#7
Trichlorofluoromethane
Concen: 21.169 ug/l
RT: 3.055 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:101 Resp: 67594

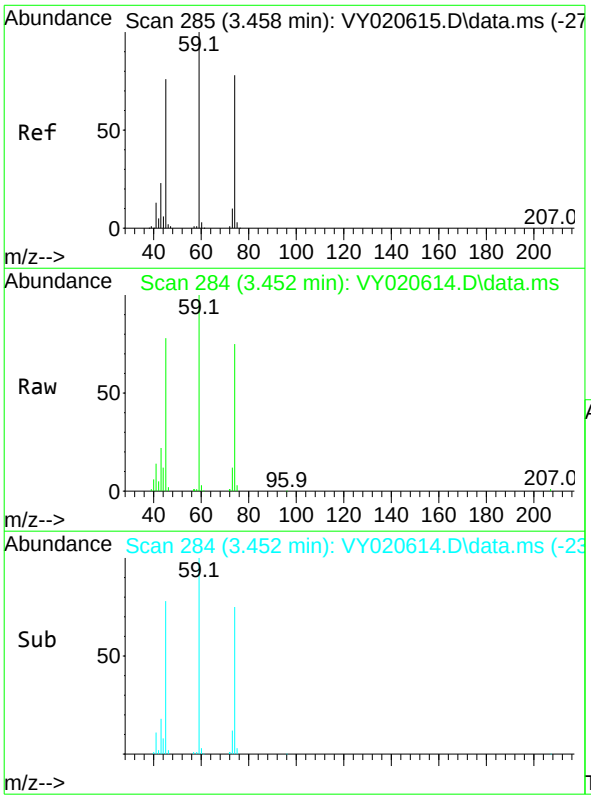
Ion	Ratio	Lower	Upper
101	100		
103	64.8	53.4	80.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

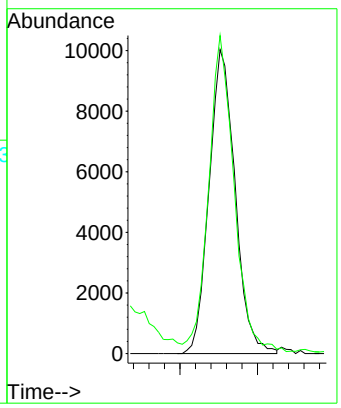
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

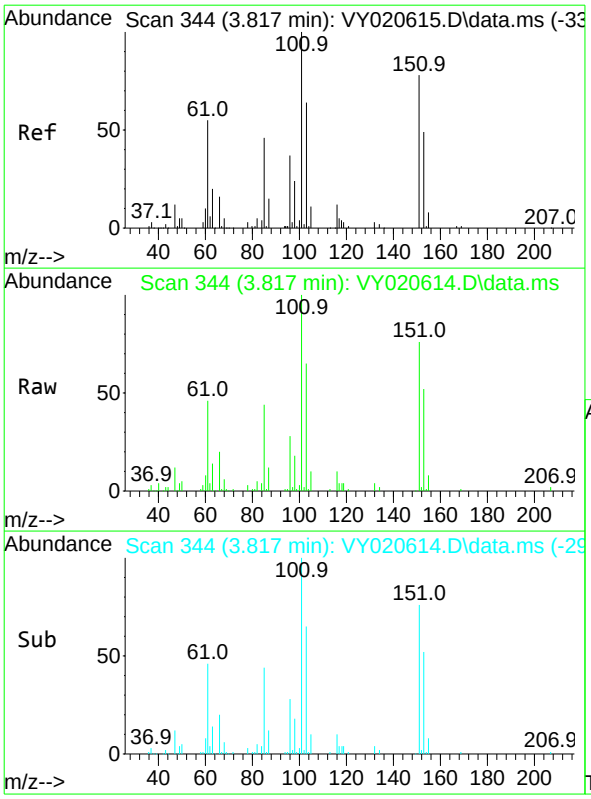


#8
Diethyl Ether
Concen: 20.878 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 74 Resp: 23380

Ion	Ratio	Lower	Upper
74	100		
45	101.5	49.0	147.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.403 ug/l
RT: 3.817 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

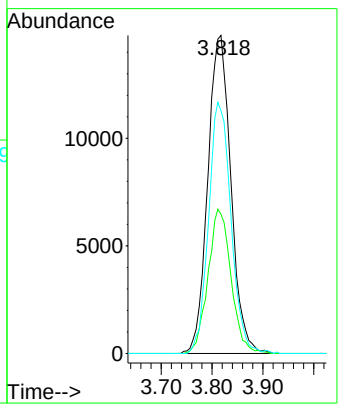
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

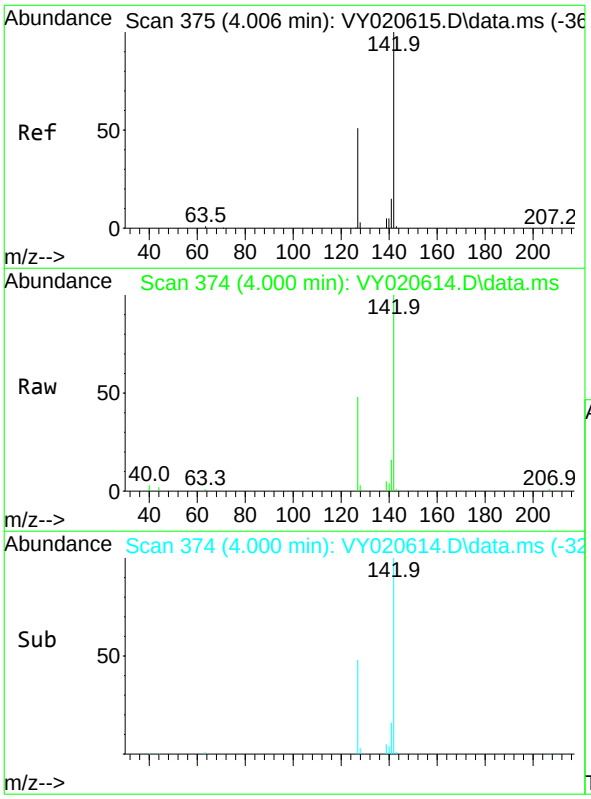
Tgt Ion:101 Resp: 46696

Ion	Ratio	Lower	Upper
101	100		
85	45.1	36.6	54.8
151	76.9	61.5	92.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

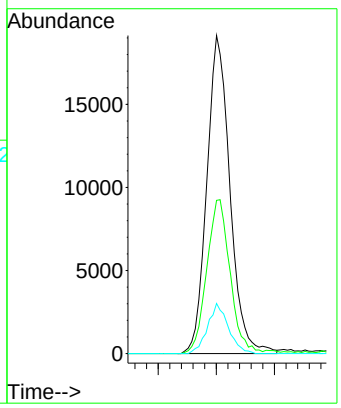


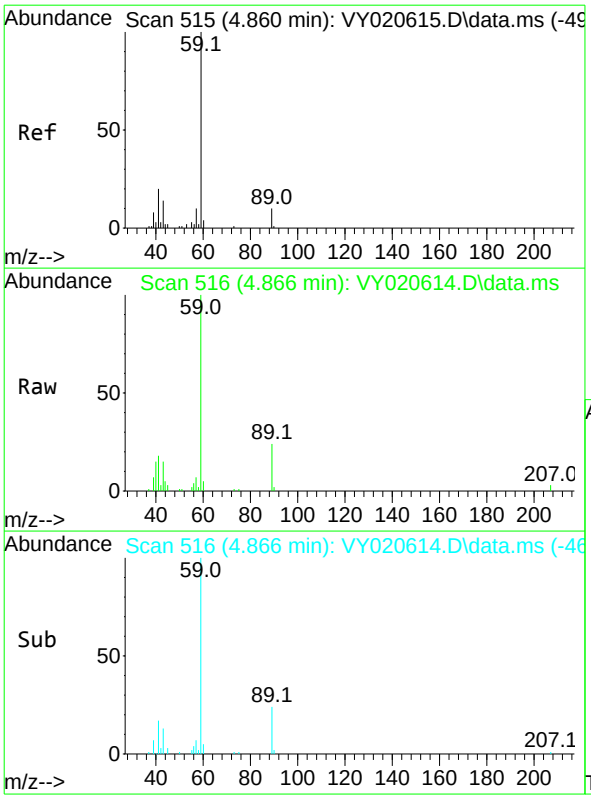


#10
Methyl Iodide
Concen: 20.758 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:142 Resp: 52895

Ion	Ratio	Lower	Upper
142	100		
127	48.7	40.6	61.0
141	14.2	11.7	17.5

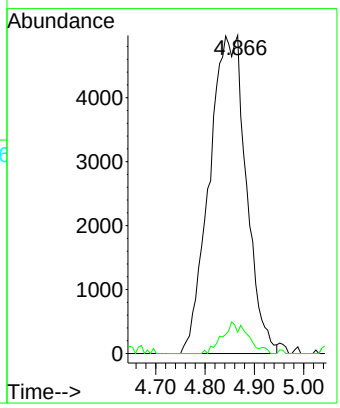




#11
Tert butyl alcohol
Concen: 106.274 ug/l
RT: 4.866 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 59 Resp: 25807

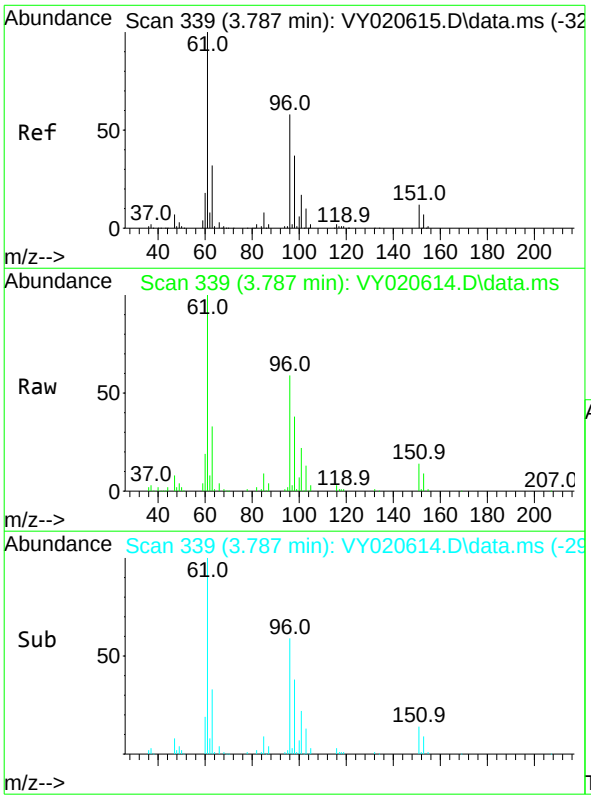
Ion	Ratio	Lower	Upper
59	100		
57	6.5	7.4	11.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

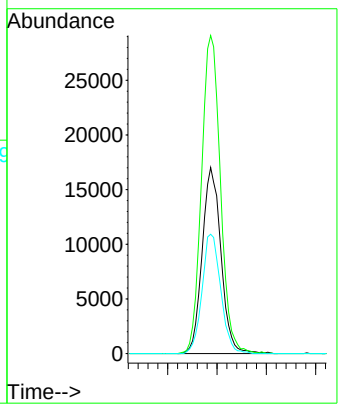
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

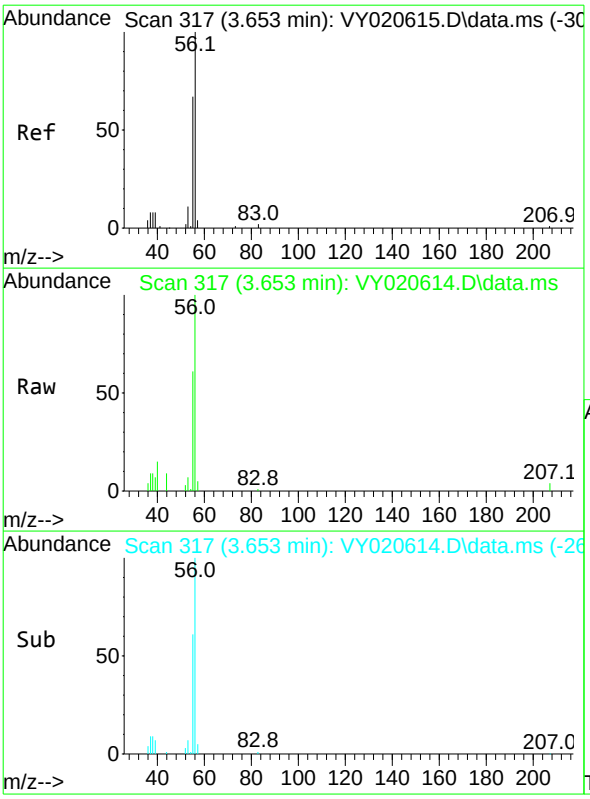


#12
1,1-Dichloroethene
Concen: 20.319 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 96 Resp: 45124

Ion	Ratio	Lower	Upper
96	100		
61	170.9	136.9	205.3
98	64.1	50.2	75.4

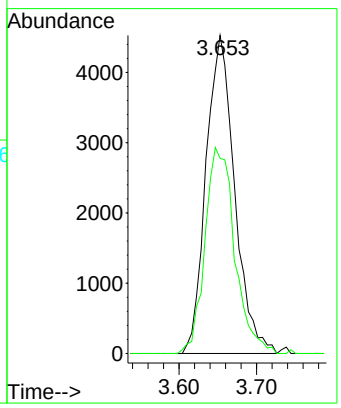




#13
Acrolein
Concen: 126.557 ug/l
RT: 3.653 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 56 Resp: 11611

Ion	Ratio	Lower	Upper
56	100		
55	67.2	57.5	86.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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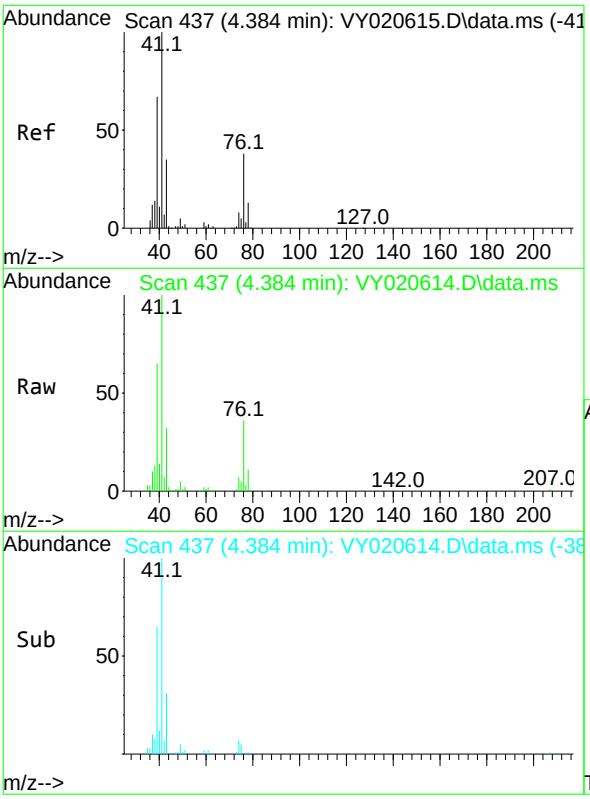
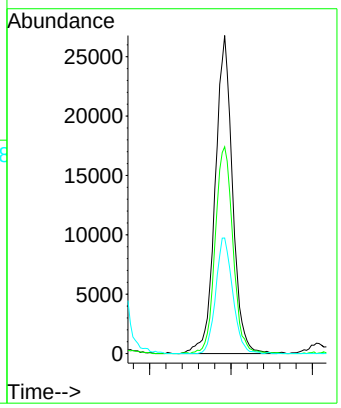
Supervised By :Semsettin Yesilyurt 12/18/2024

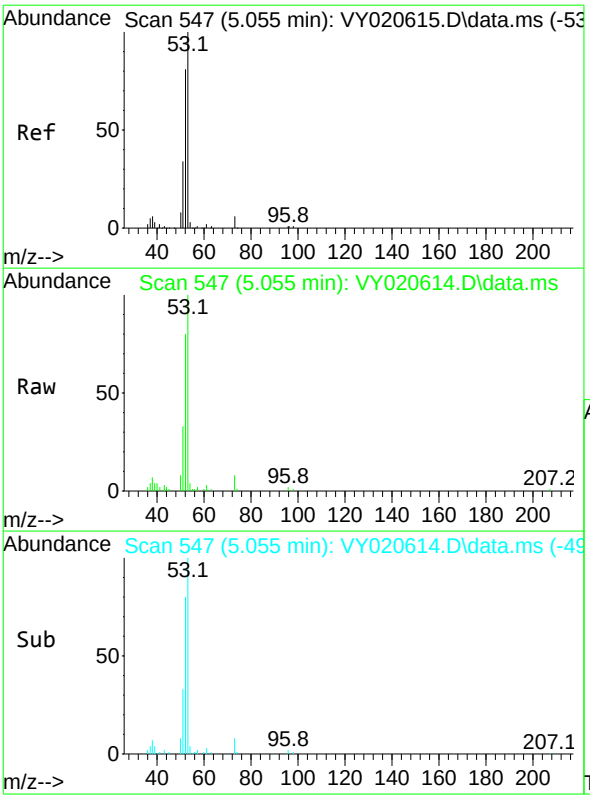


#14
Allyl chloride
Concen: 20.368 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 41 Resp: 79257

Ion	Ratio	Lower	Upper
41	100		
39	66.5	53.0	79.4
76	35.6	29.5	44.3





#15
Acrylonitrile
Concen: 95.416 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 53 Resp: 51118

Ion	Ratio	Lower	Upper
53	100		
52	81.2	64.5	96.7
51	36.1	29.4	44.0

Instrument :
MSVOA_Y
ClientSampleId :
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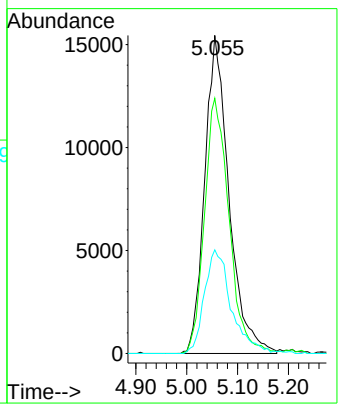
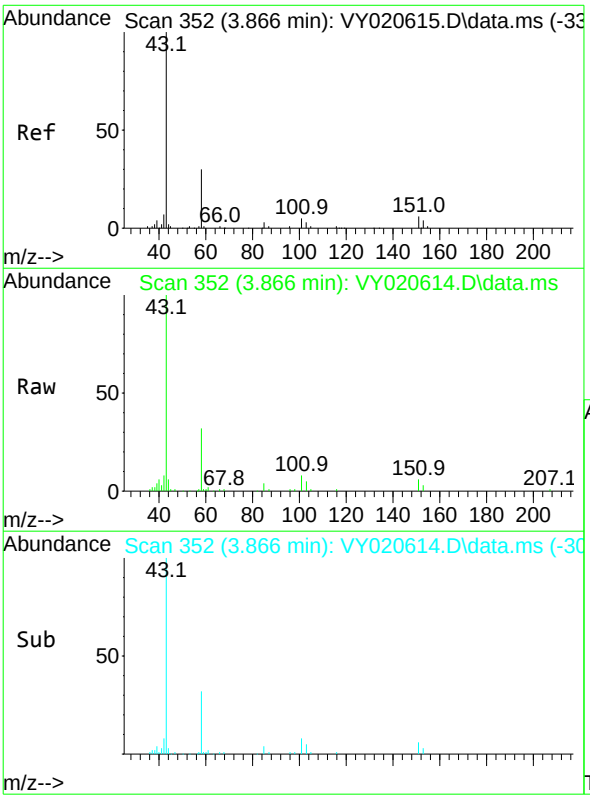
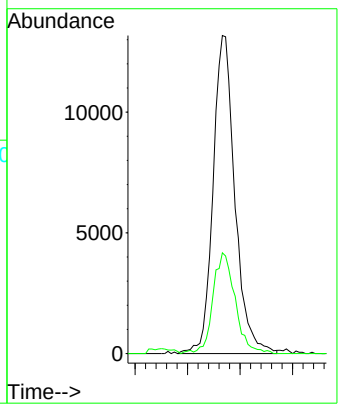


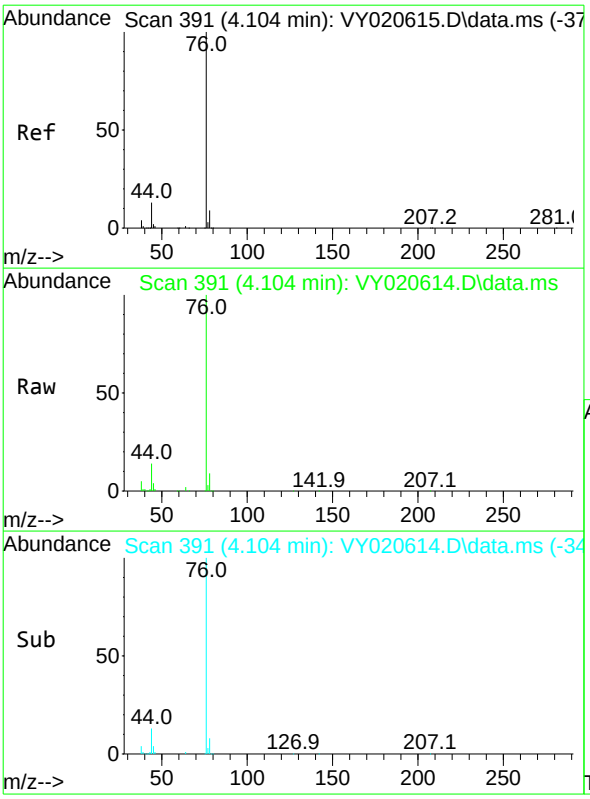


#16
Acetone
Concen: 94.781 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 43 Resp: 38075

Ion	Ratio	Lower	Upper
43	100		
58	31.7	25.0	37.6

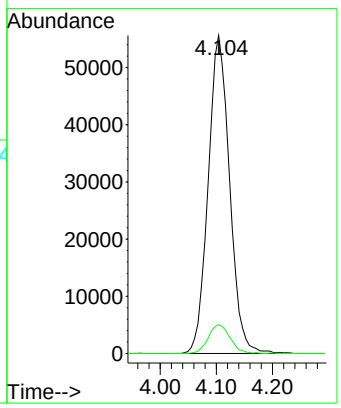




#17
Carbon Disulfide
Concen: 20.416 ug/l
RT: 4.104 min Scan# 39
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 76 Resp: 147576

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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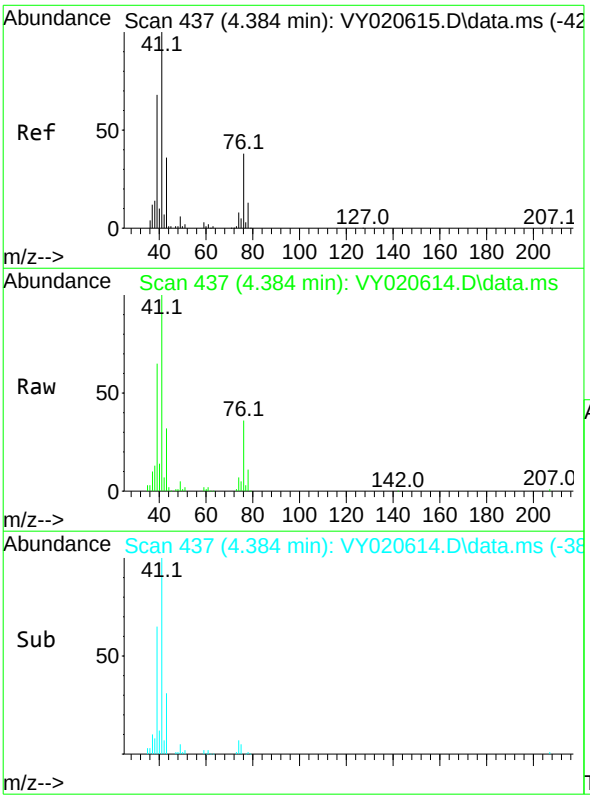
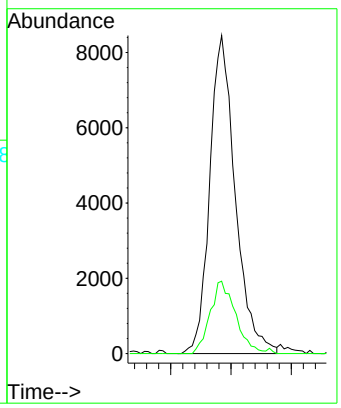
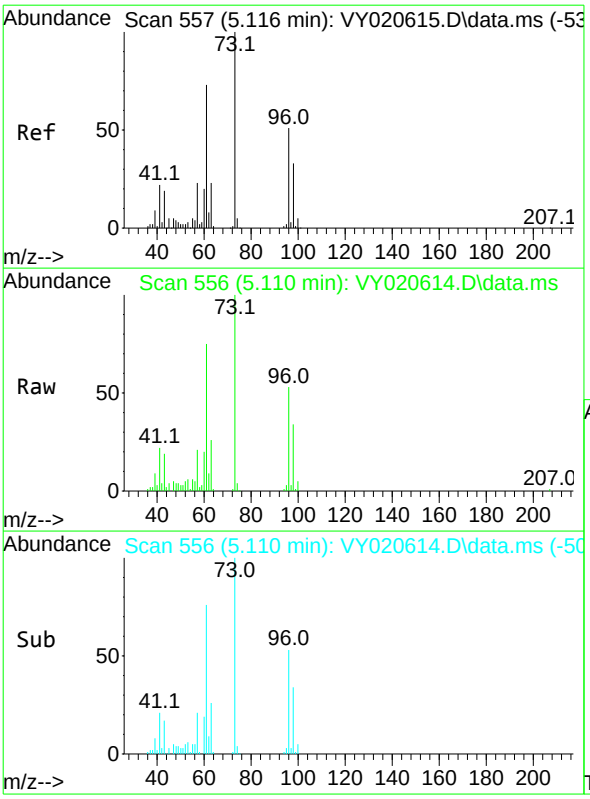


#18
Methyl Acetate
Concen: 18.851 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 43 Resp: 24886

Ion	Ratio	Lower	Upper
43	100		
74	22.7	19.2	28.8

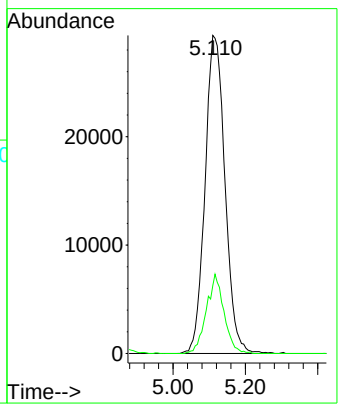




#19
Methyl tert-butyl Ether
Concen: 19.582 ug/l
RT: 5.110 min Scan# 55
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 73 Resp: 112241

Ion	Ratio	Lower	Upper
73	100		
57	21.4	18.5	27.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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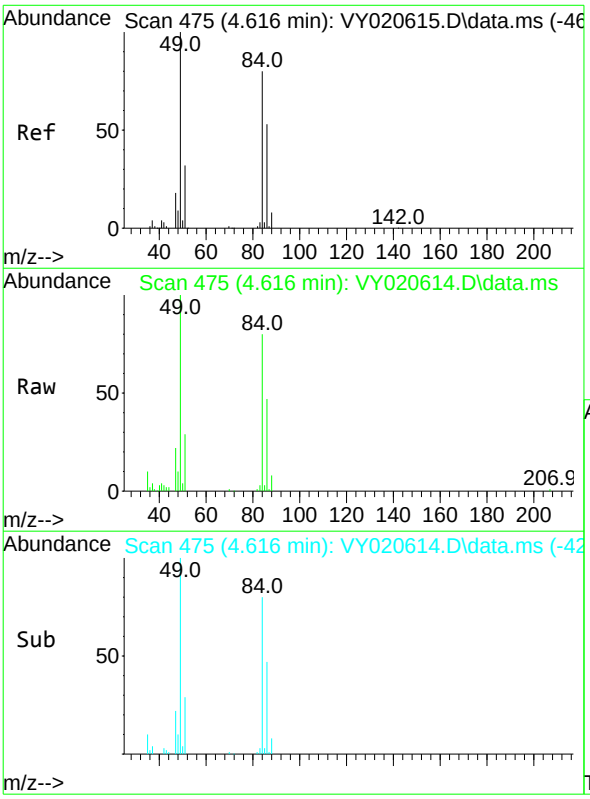
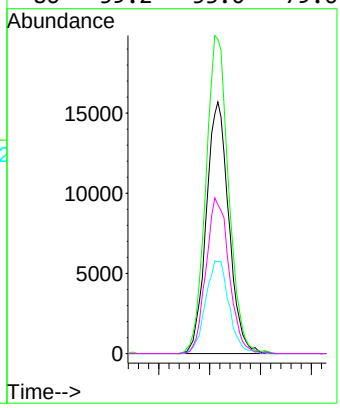
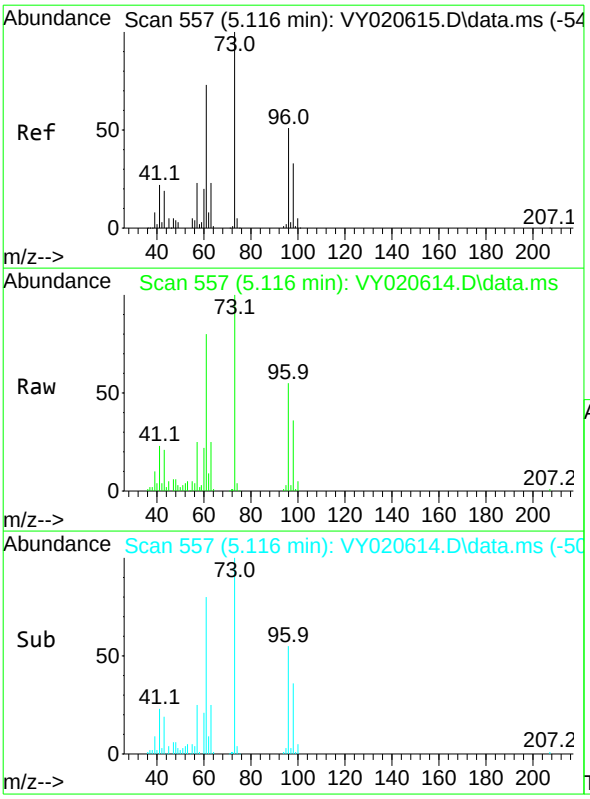


#20
Methylene Chloride
Concen: 20.076 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 84 Resp: 48431

Ion	Ratio	Lower	Upper
84	100		
49	125.0	100.7	151.1
51	36.5	32.2	48.2
86	59.2	53.0	79.6

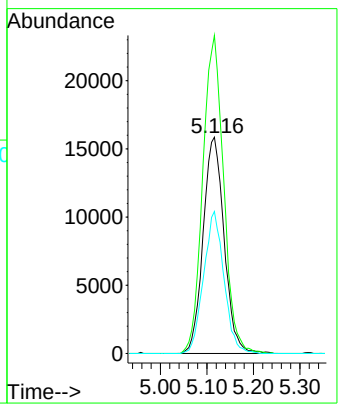




#21
trans-1,2-Dichloroethene
Concen: 19.997 ug/l
RT: 5.116 min Scan# 55
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 96 Resp: 49814

Ion	Ratio	Lower	Upper
96	100		
61	147.0	113.7	170.5
98	65.6	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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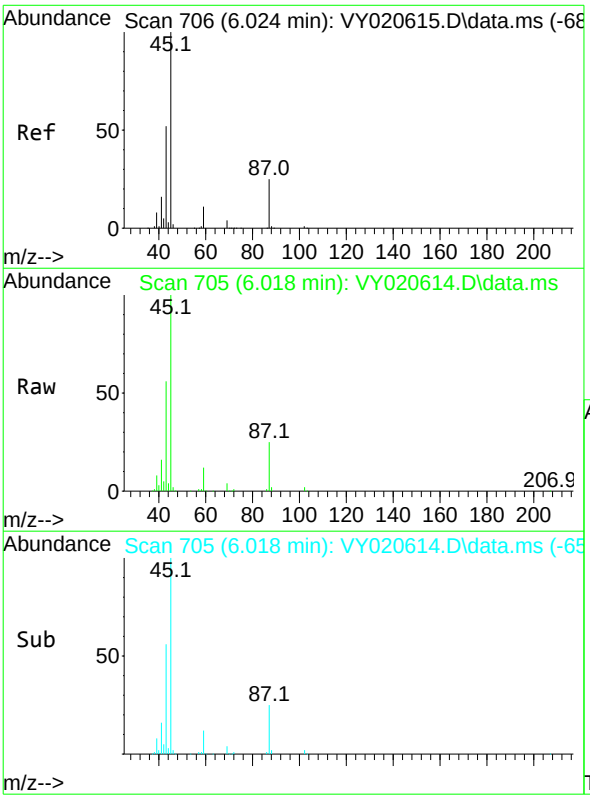
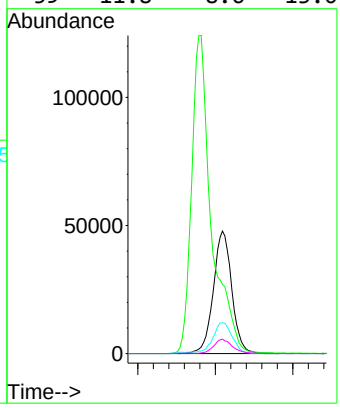
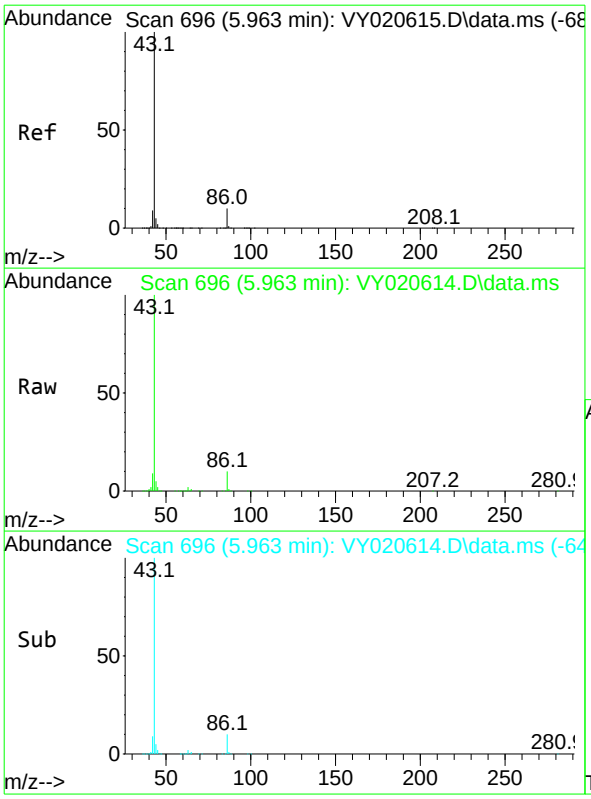


#22
Diisopropyl ether
Concen: 20.055 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 45 Resp: 158410

Ion	Ratio	Lower	Upper
45	100		
43	55.9	42.6	64.0
87	25.1	20.6	31.0
59	11.8	8.6	13.0





#23
Vinyl Acetate
Concen: 98.587 ug/l
RT: 5.963 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 43 Resp: 441039

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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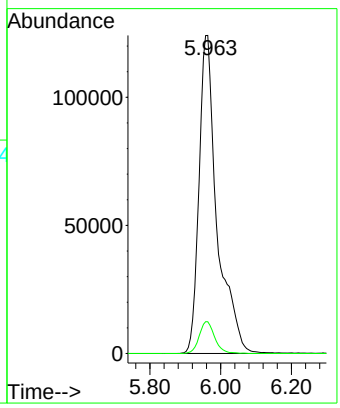
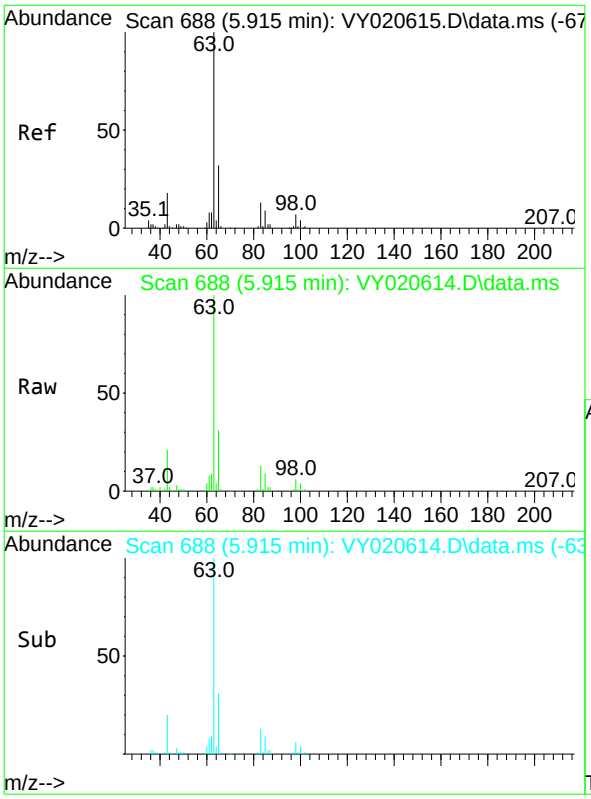
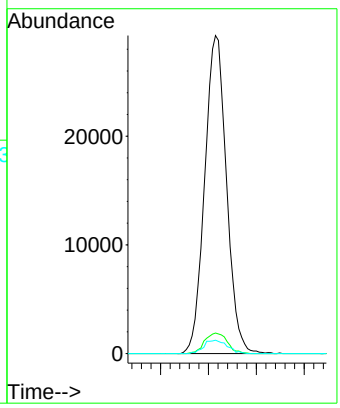


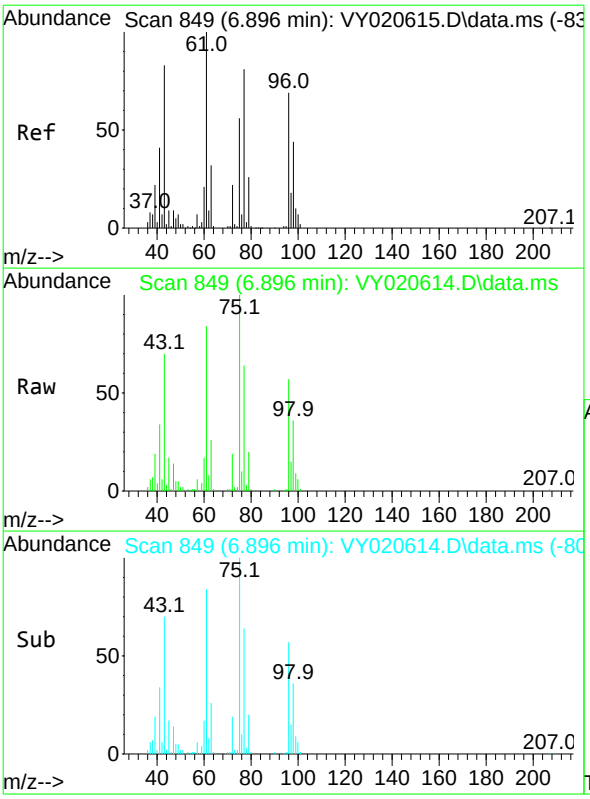


#24
1,1-Dichloroethane
Concen: 20.011 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 63 Resp: 92599

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.1
100	4.2	2.1	6.5

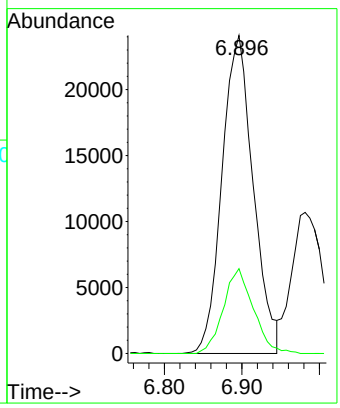




#25
2-Butanone
Concen: 93.608 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 43 Resp: 67498

Ion	Ratio	Lower	Upper
43	100		
72	26.7	20.6	31.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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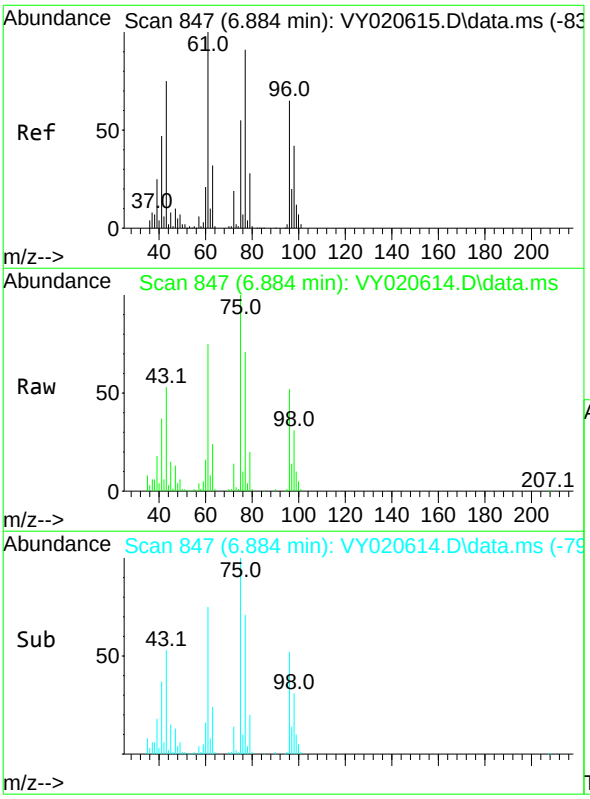
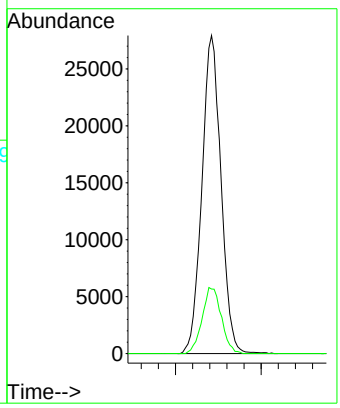
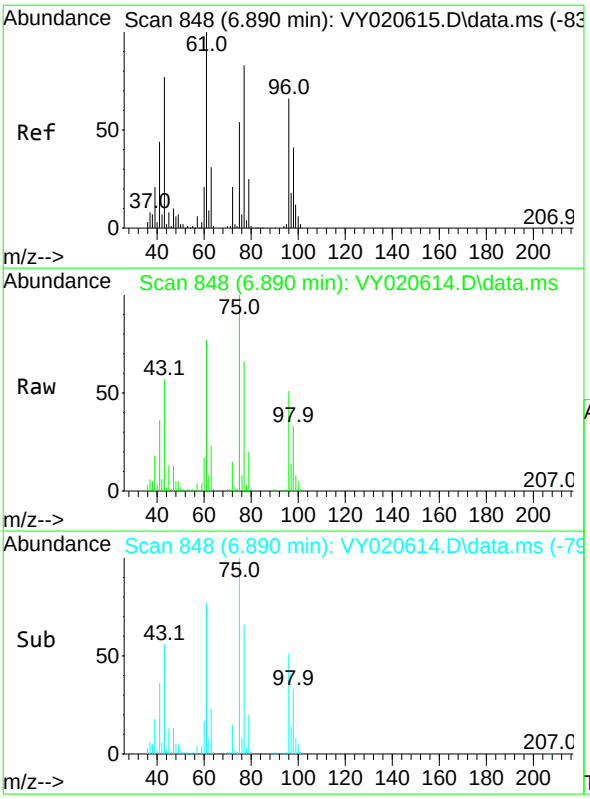


#26
2,2-Dichloropropane
Concen: 19.750 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 77 Resp: 86393

Ion	Ratio	Lower	Upper
77	100		
97	20.9	10.9	32.6

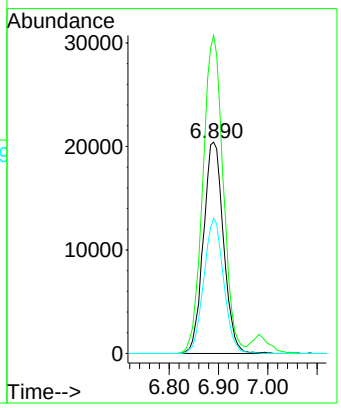




#27
cis-1,2-Dichloroethene
Concen: 20.149 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 96 Resp: 57749

Ion	Ratio	Lower	Upper
96	100		
61	152.3	0.0	306.2
98	63.2	0.0	127.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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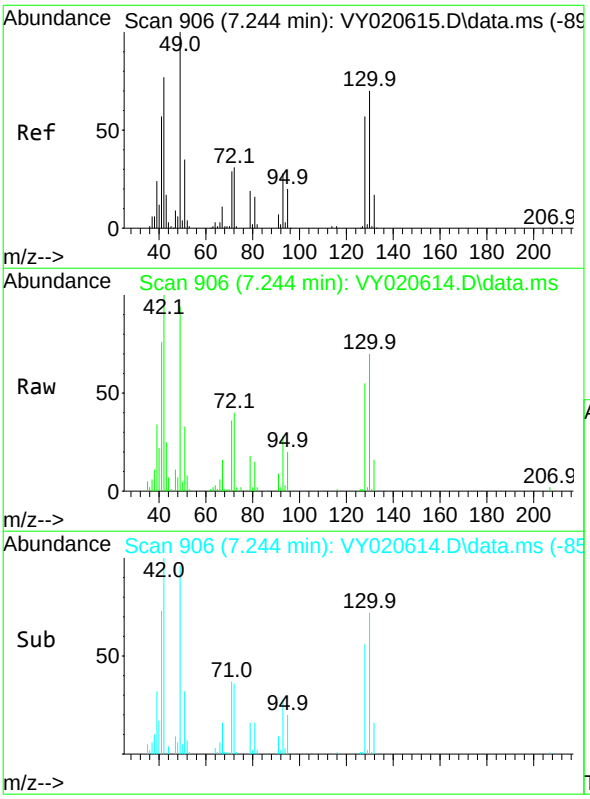
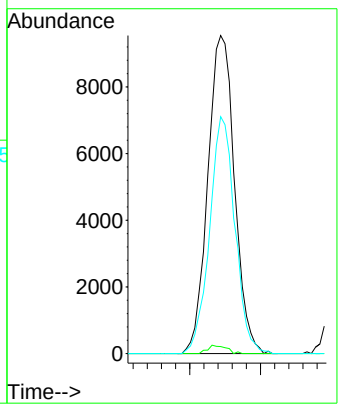
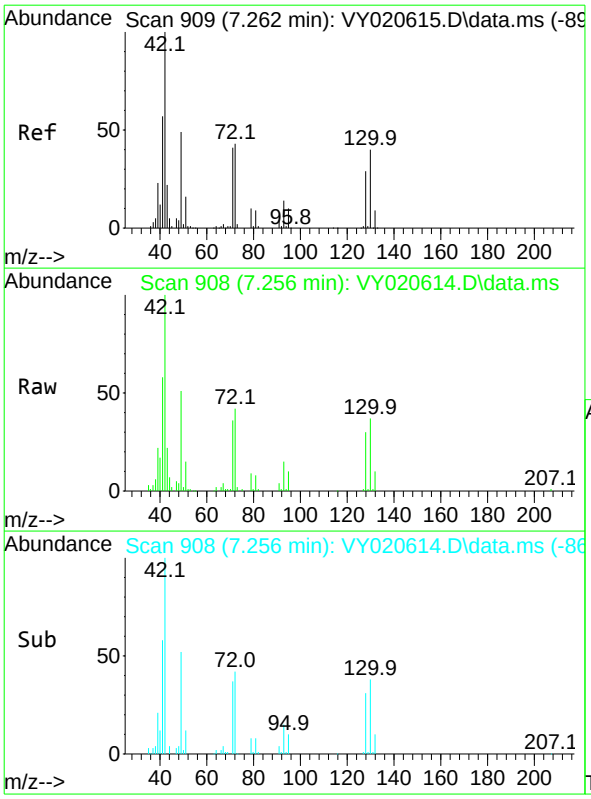


#28
Bromochloromethane
Concen: 16.009 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 49 Resp: 24987

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	70.9	58.3	87.5





#29
Tetrahydrofuran
Concen: 98.059 ug/l
RT: 7.256 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 42 Resp: 44636

Ion	Ratio	Lower	Upper
42	100		
72	40.3	34.0	51.0
71	38.9	31.6	47.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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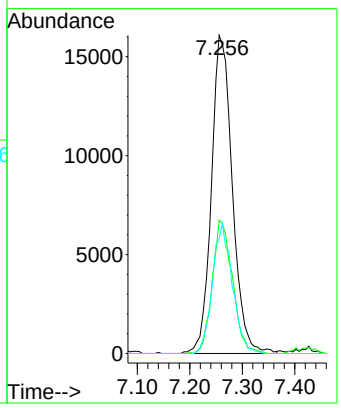
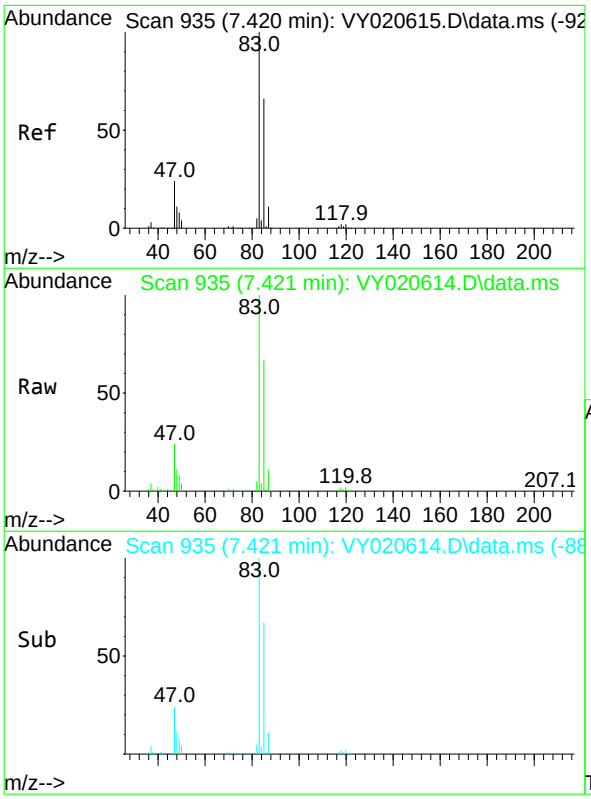
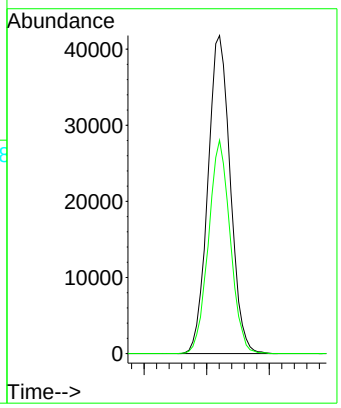


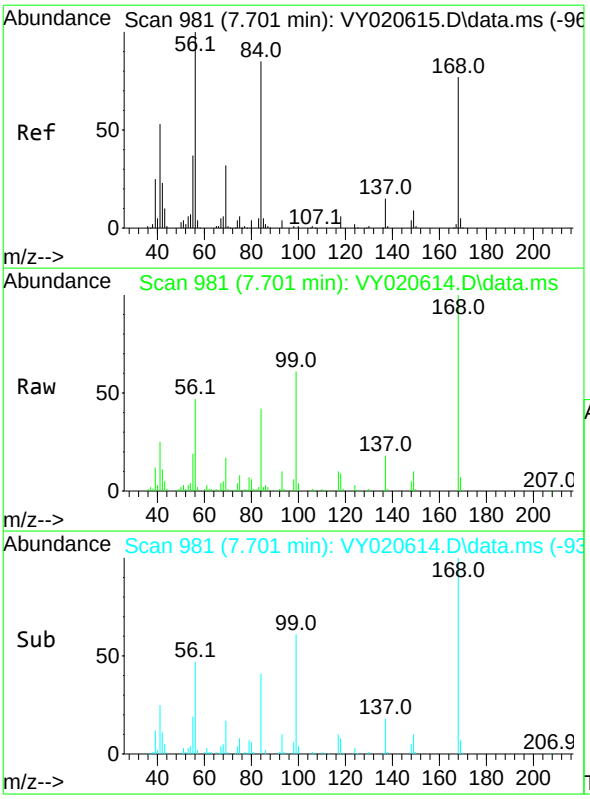


#30
Chloroform
Concen: 19.065 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.001 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 83 Resp: 103806

Ion	Ratio	Lower	Upper
83	100		
85	67.1	52.7	79.1

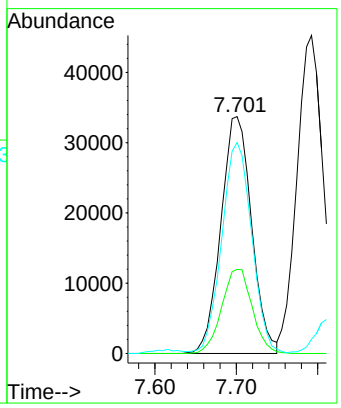




#31
Cyclohexane
Concen: 19.966 ug/l
RT: 7.701 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 56 Resp: 88339

Ion	Ratio	Lower	Upper
56	100		
69	35.5	25.4	38.0
84	87.8	68.3	102.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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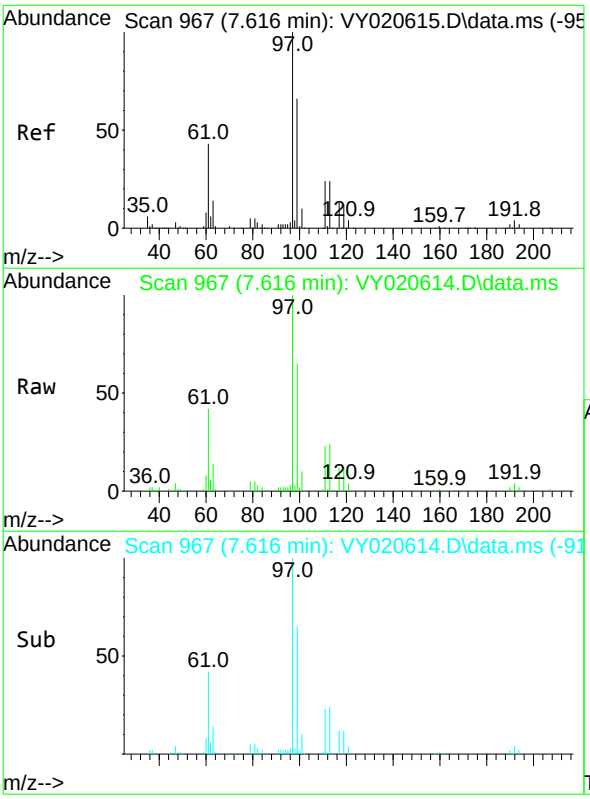
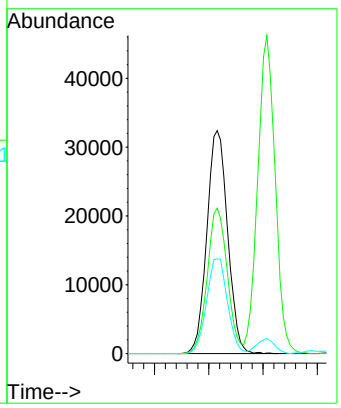
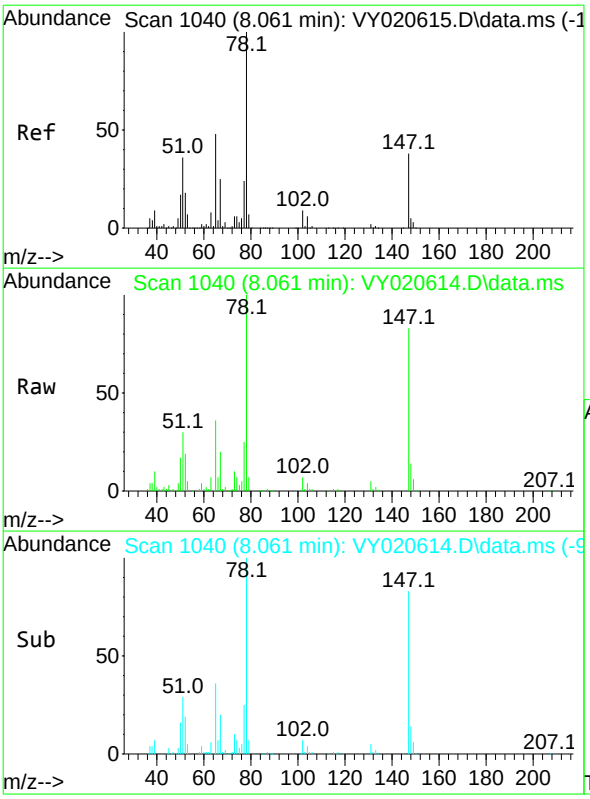


#32
1,1,1-Trichloroethane
Concen: 20.249 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 97 Resp: 86081

Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.6	77.4
61	43.0	34.7	52.1

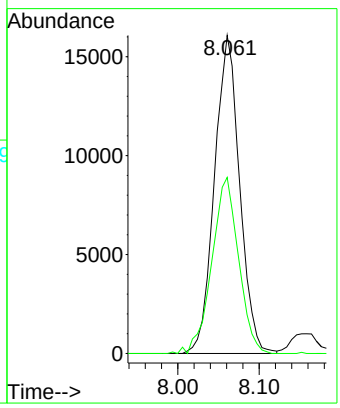




#33
1,2-Dichloroethane-d4
Concen: 17.777 ug/l
RT: 8.061 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 65 Resp: 34492

Ion	Ratio	Lower	Upper
65	100		
67	58.8	0.0	108.0



Instrument :
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ClientSampleId :
VSTDICC020

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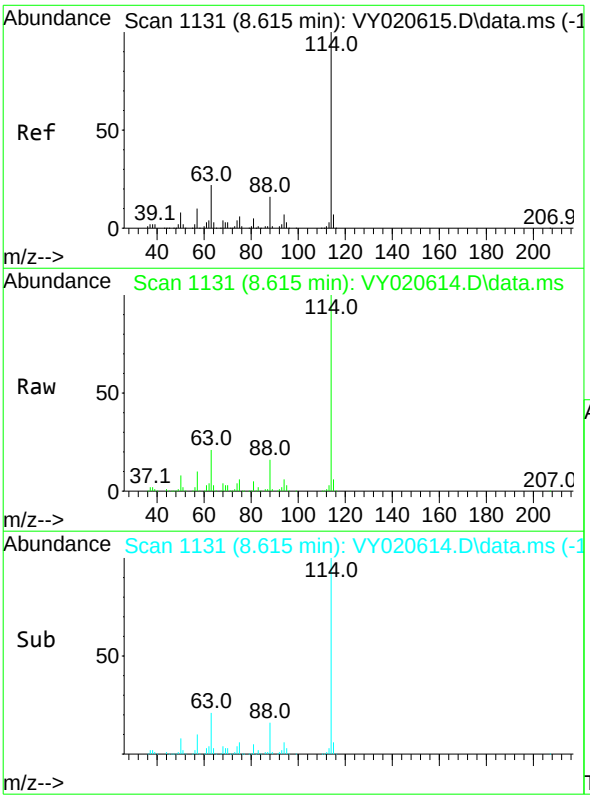
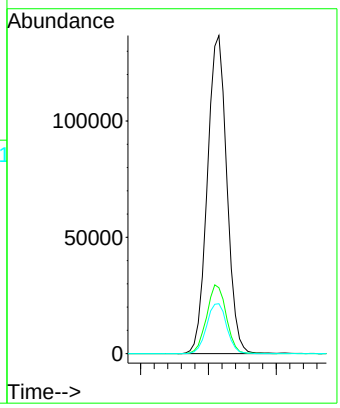
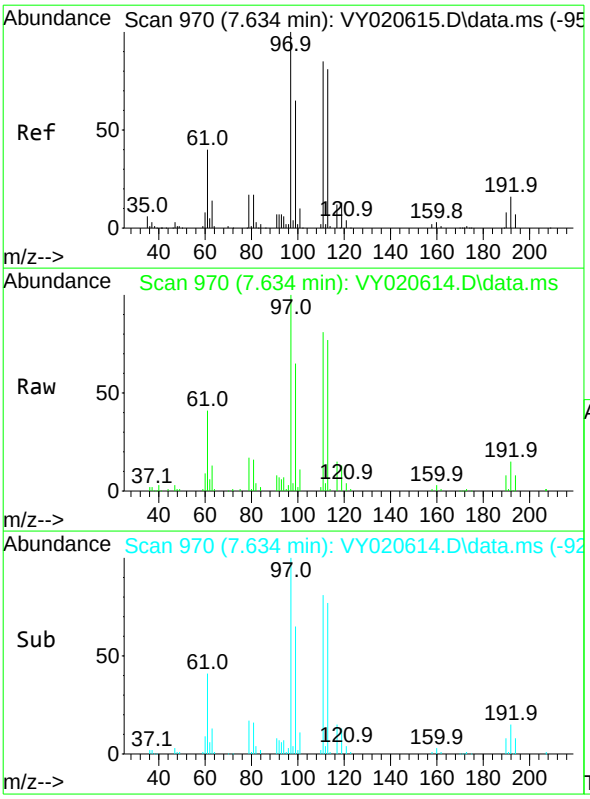


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:114 Resp: 272612

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	44.0
88	15.7	0.0	32.8

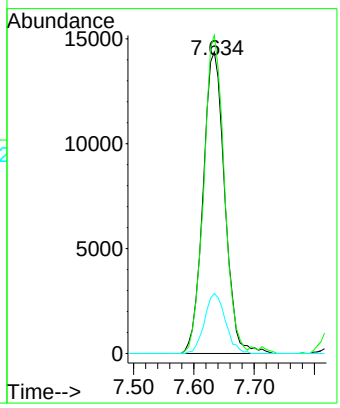




#35
Dibromofluoromethane
Concen: 18.603 ug/l
RT: 7.634 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:113 Resp: 35742

Ion	Ratio	Lower	Upper
113	100		
111	100.5	82.9	124.3
192	19.3	15.7	23.5



Instrument :
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ClientSampleId :
VSTDICC020

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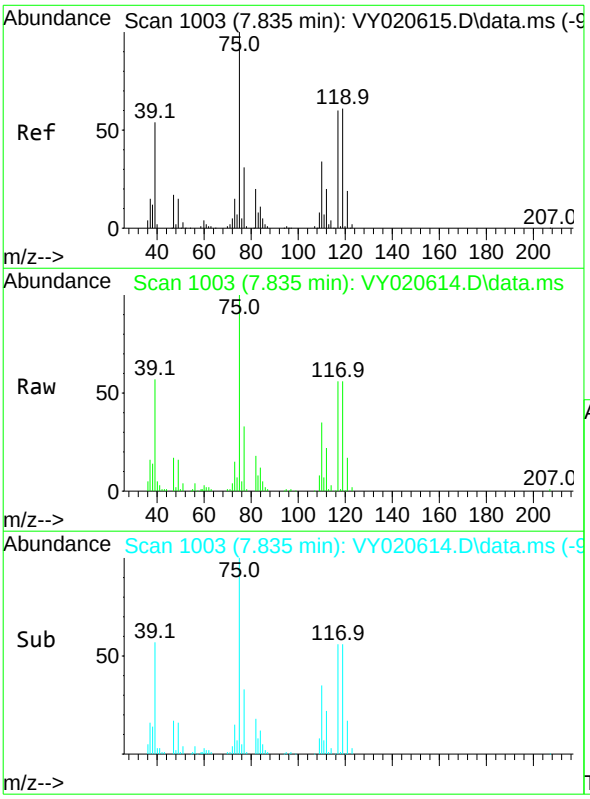
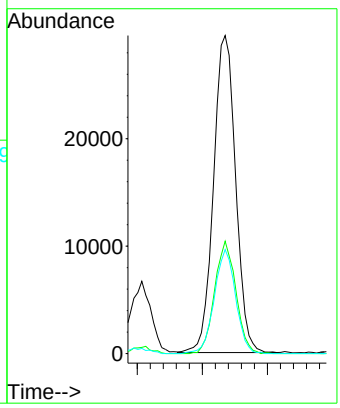
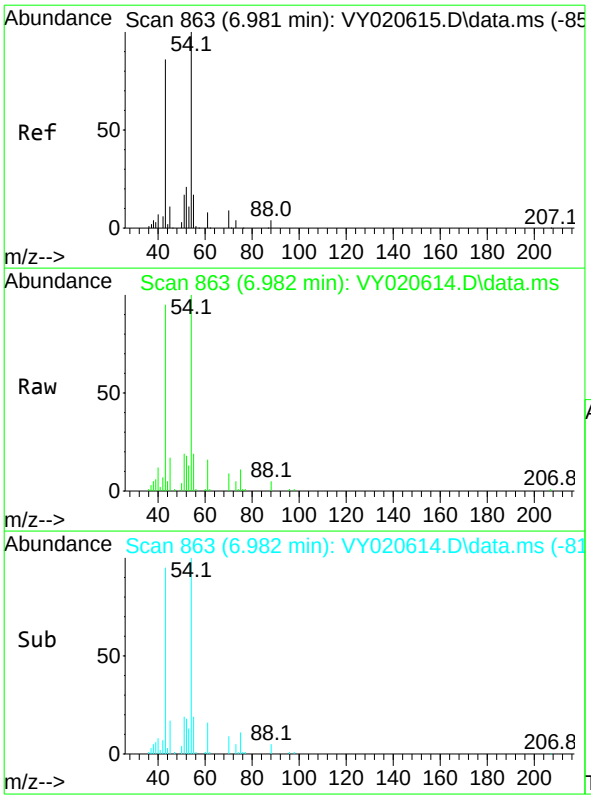


#36
1,1-Dichloropropene
Concen: 19.828 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 75 Resp: 69466

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.8	50.4
77	31.8	25.0	37.6

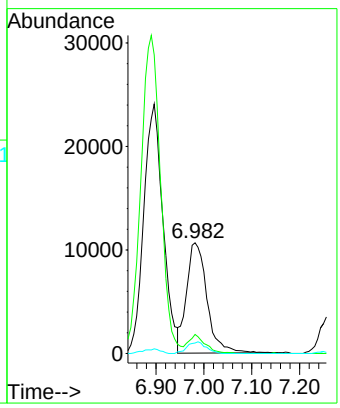




#37
Ethyl Acetate
Concen: 19.166 ug/l
RT: 6.982 min Scan# 86
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 43 Resp: 31585

Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.0	16.4
70	9.6	7.9	11.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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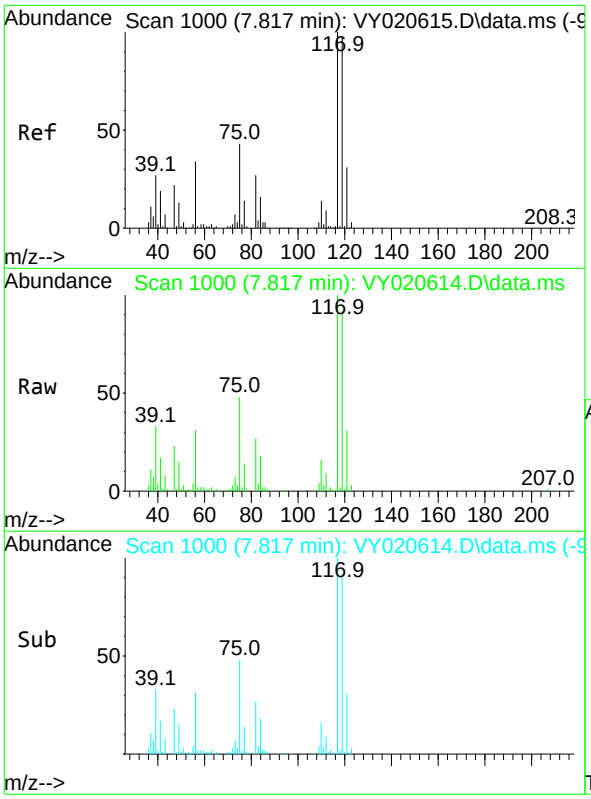
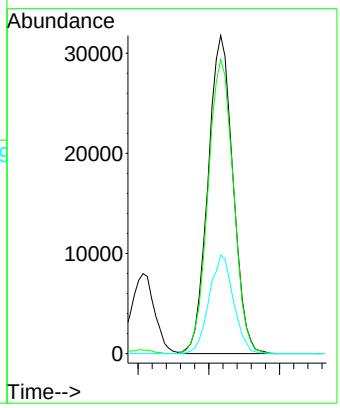
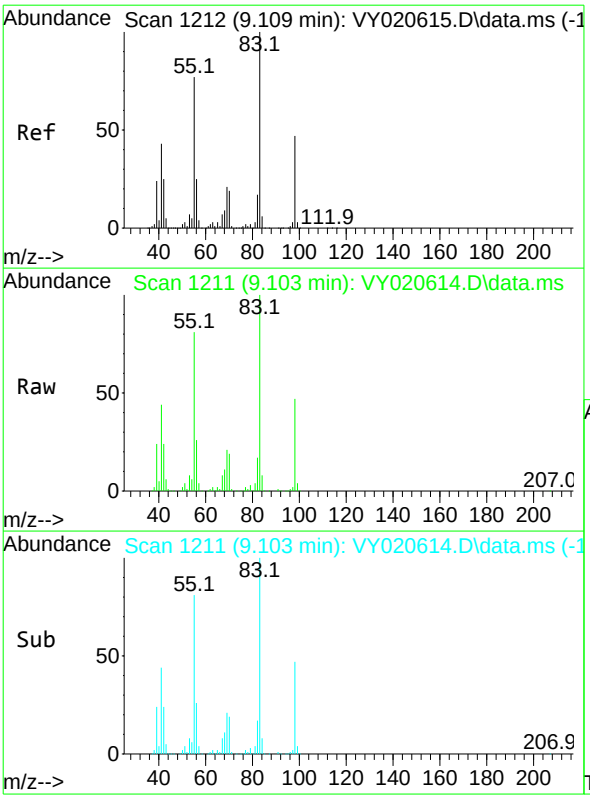


#38
Carbon Tetrachloride
Concen: 20.109 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:117 Resp: 77945

Ion	Ratio	Lower	Upper
117	100		
119	92.4	78.3	117.5
121	31.0	25.1	37.7





#39
Methylcyclohexane
Concen: 20.249 ug/l
RT: 9.103 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 83 Resp: 92458

Ion	Ratio	Lower	Upper
83	100		
55	81.0	61.4	92.0
98	46.8	37.3	55.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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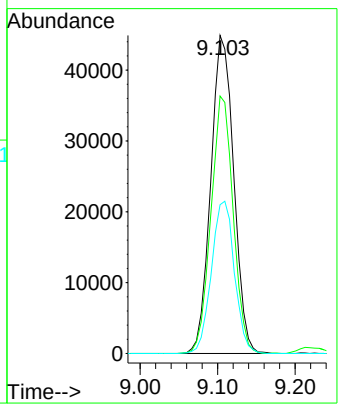
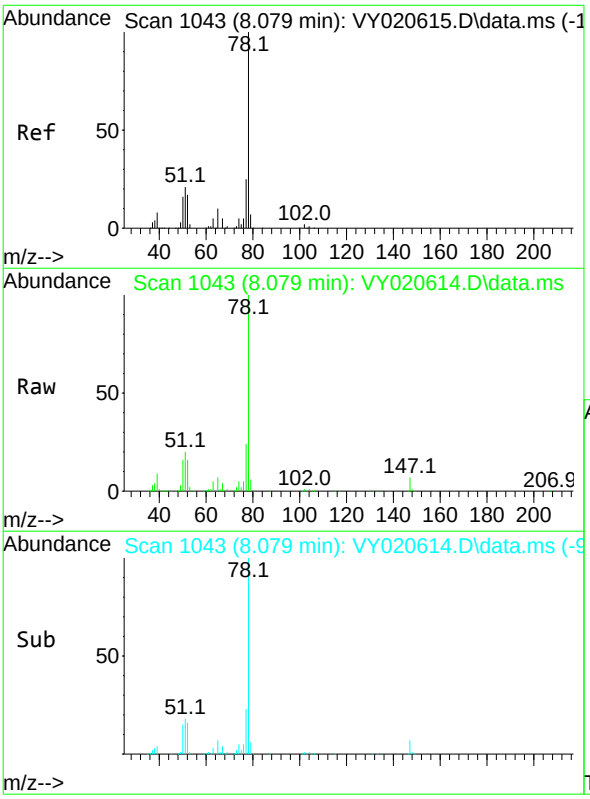
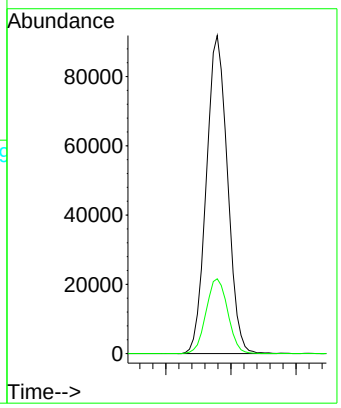


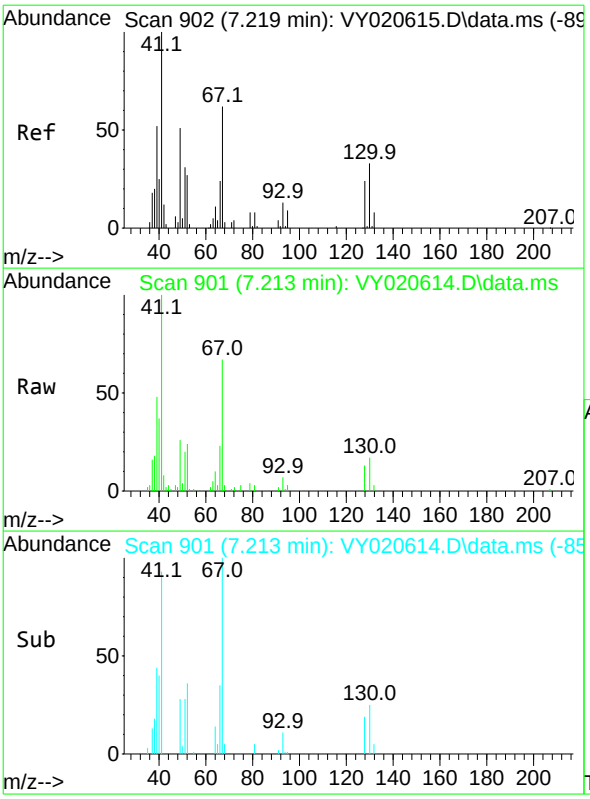


#40
Benzene
Concen: 20.176 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 78 Resp: 207185

Ion	Ratio	Lower	Upper
78	100		
77	23.5	20.1	30.1

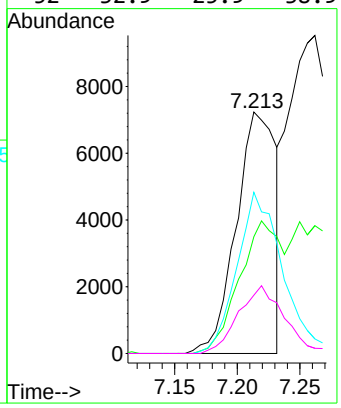




#41
Methacrylonitrile
Concen: 18.232 ug/l
RT: 7.213 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 41 Resp: 15884

Ion	Ratio	Lower	Upper
41	100		
39	59.0	53.6	80.4
67	77.5	62.0	93.0
52	32.9	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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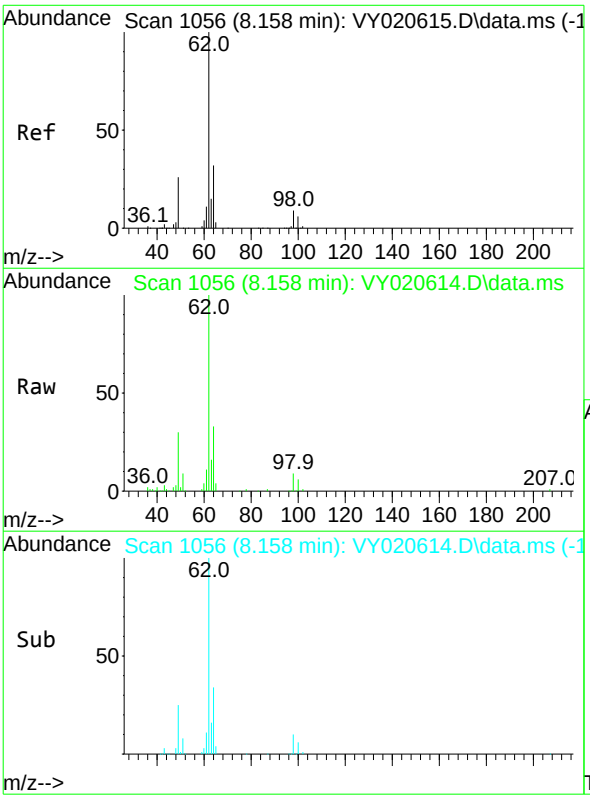
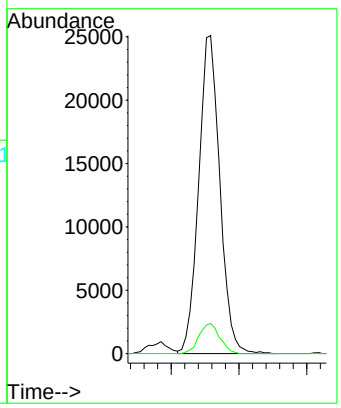
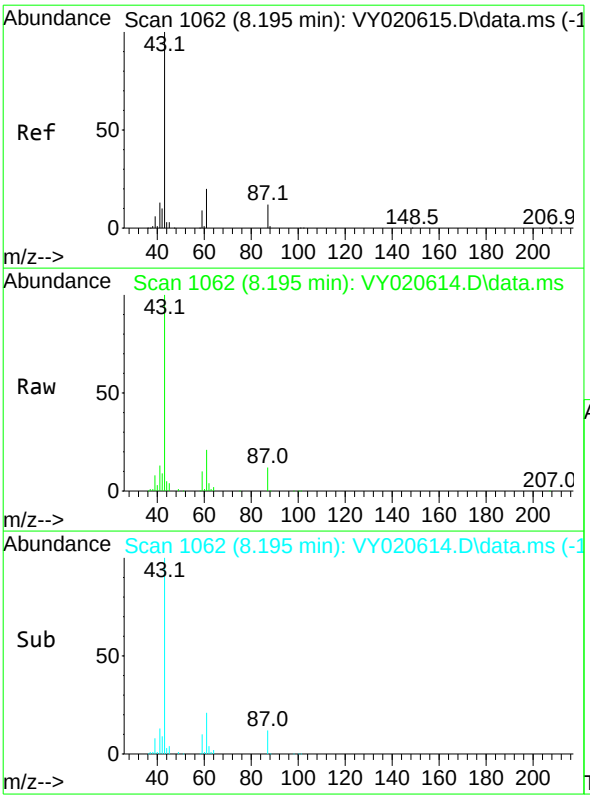


#42
1,2-Dichloroethane
Concen: 19.983 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 62 Resp: 54425

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.0





#43
Isopropyl Acetate
Concen: 19.375 ug/l
RT: 8.195 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 43 Resp: 60446

Ion	Ratio	Lower	Upper
43	100		
61	20.4	23.8	35.6#
87	12.8	10.2	15.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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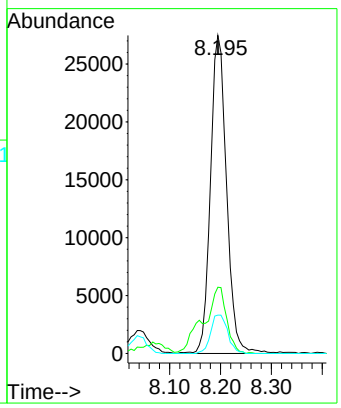
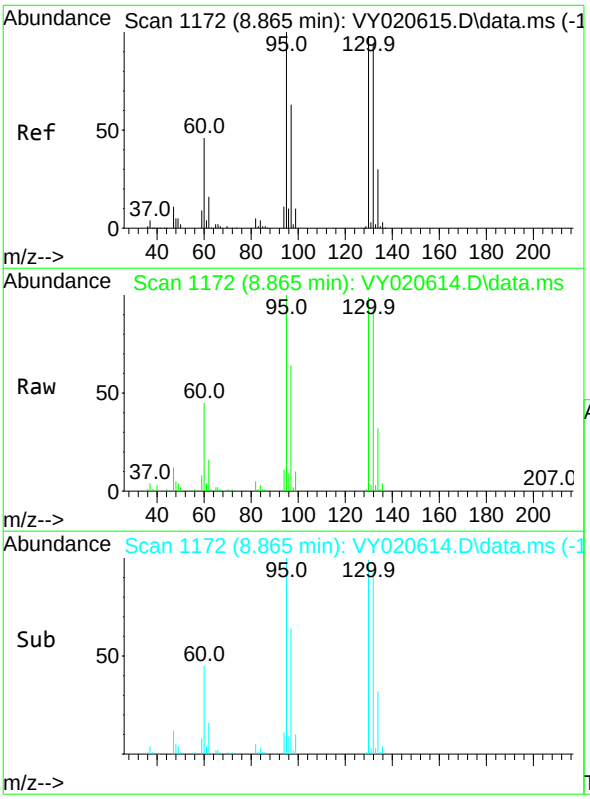
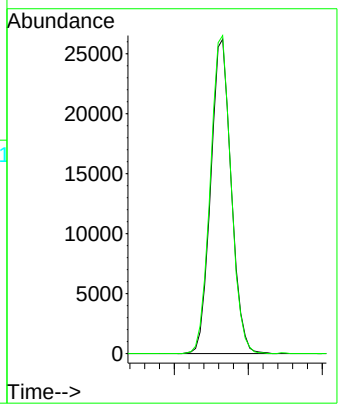


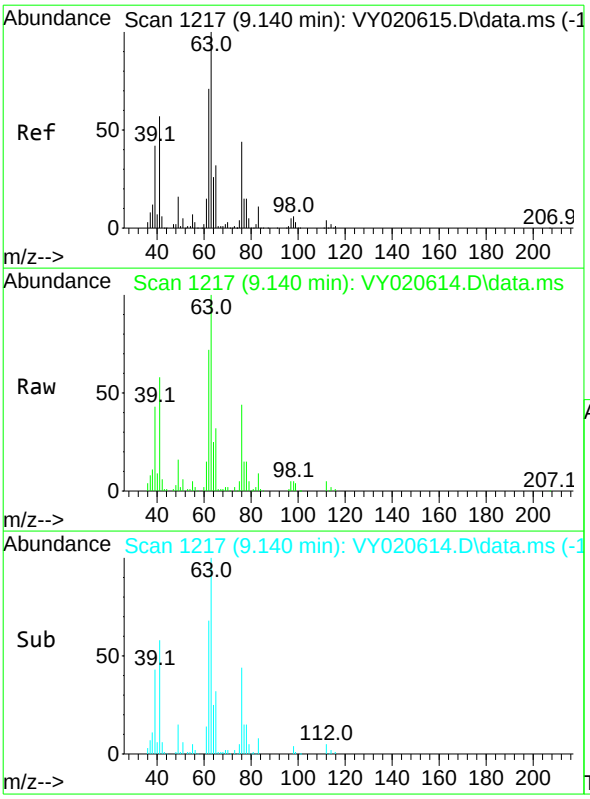


#44
Trichloroethene
Concen: 19.952 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:130 Resp: 50346

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	203.2





#45
1,2-Dichloropropane
Concen: 20.466 ug/l
RT: 9.140 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 63 Resp: 49119

Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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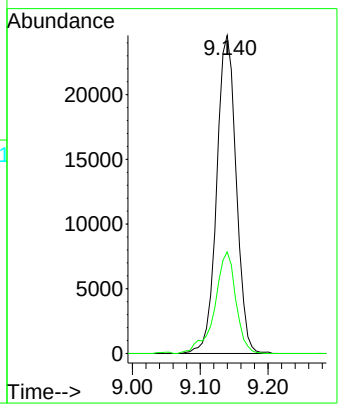
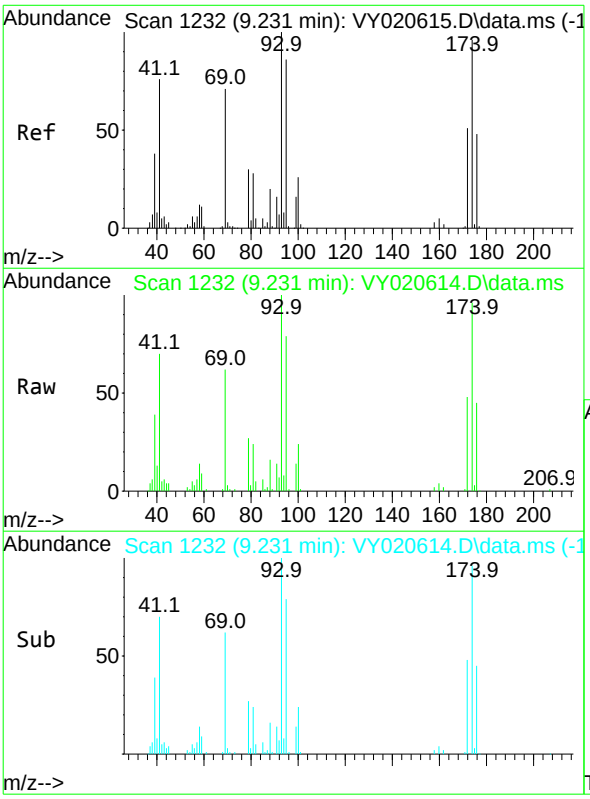
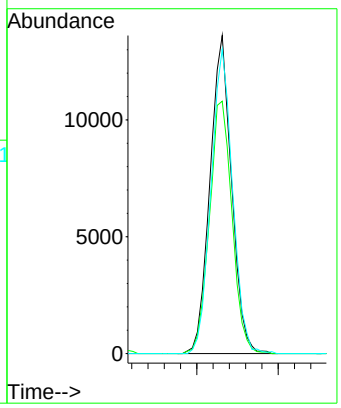


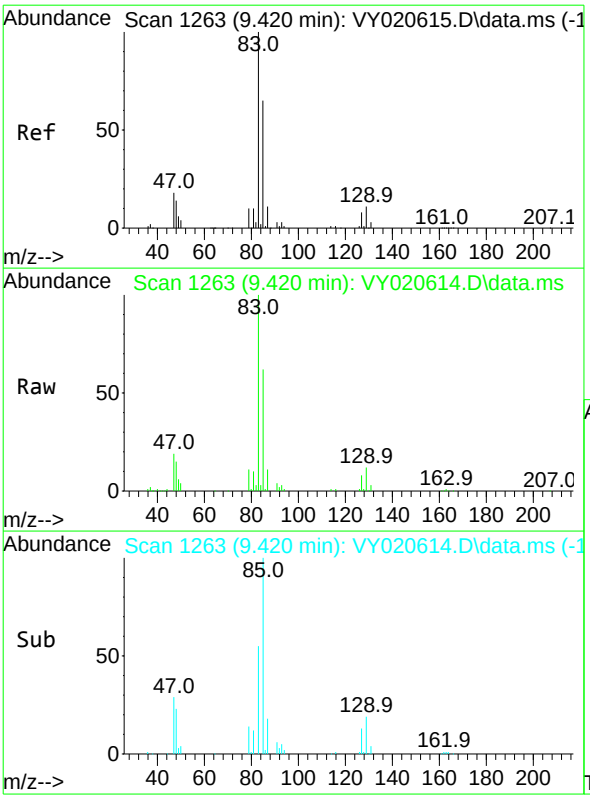


#46
Dibromomethane
Concen: 19.753 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 93 Resp: 25054

Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.7	100.1
174	95.6	77.8	116.6

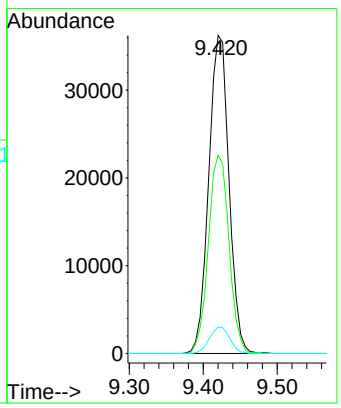




#47
Bromodichloromethane
Concen: 20.125 ug/l
RT: 9.420 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 83 Resp: 68951

Ion	Ratio	Lower	Upper
83	100		
85	62.3	52.1	78.1
127	8.3	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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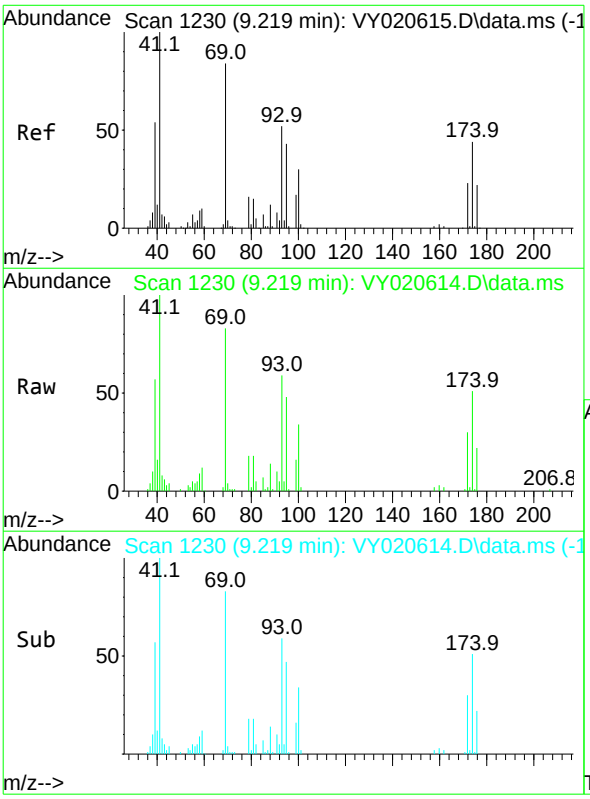
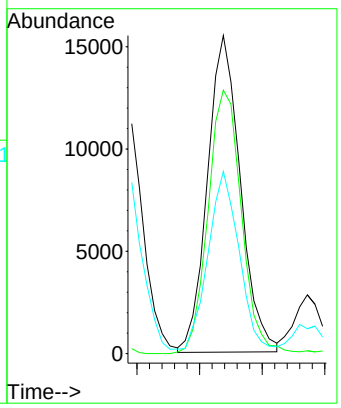
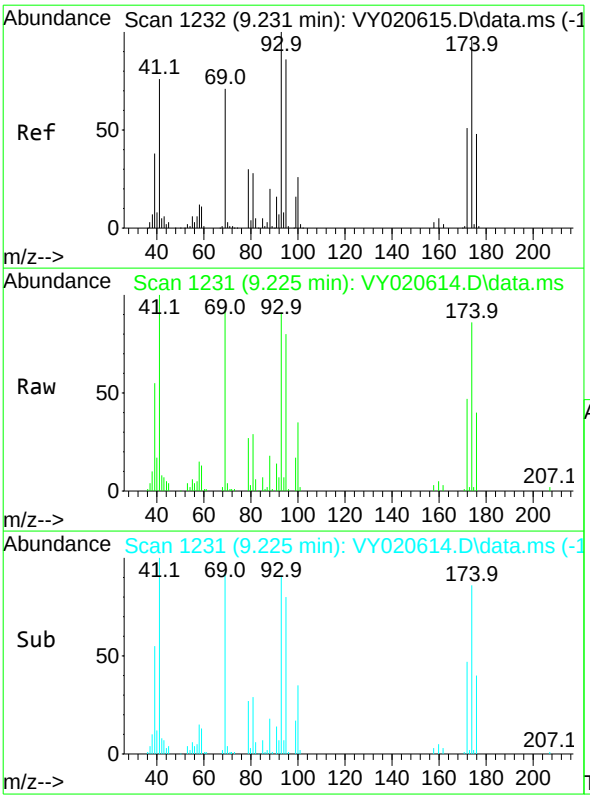


#48
Methyl methacrylate
Concen: 19.051 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 41 Resp: 28256

Ion	Ratio	Lower	Upper
41	100		
69	84.4	67.2	100.8
39	53.2	42.2	63.4





#49
1,4-Dioxane
Concen: 371.167 ug/l
RT: 9.225 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 88 Resp: 5399

Ion	Ratio	Lower	Upper
88	100		
43	34.4	27.6	41.4
58	81.6	61.7	92.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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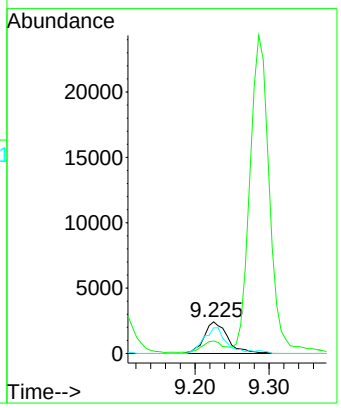
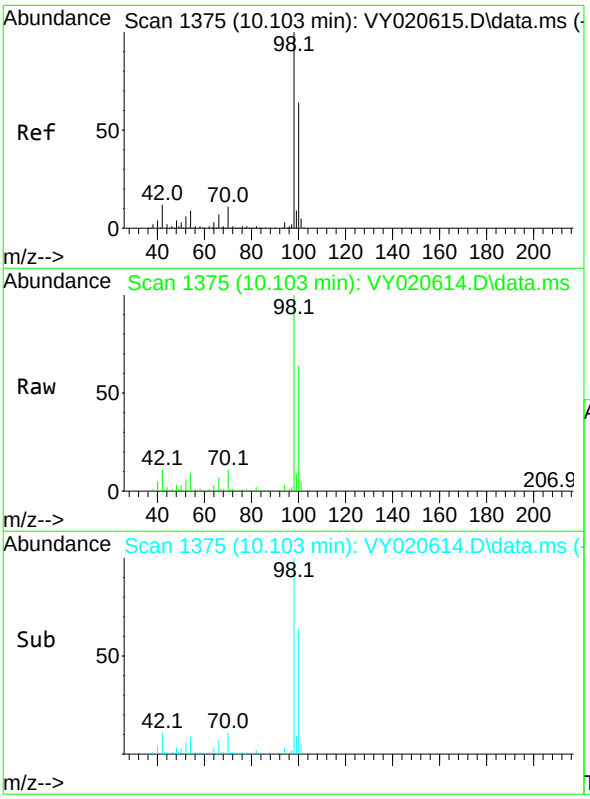
Supervised By :Semsettin Yesilyurt 12/18/2024

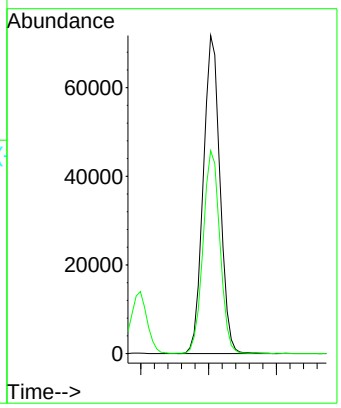


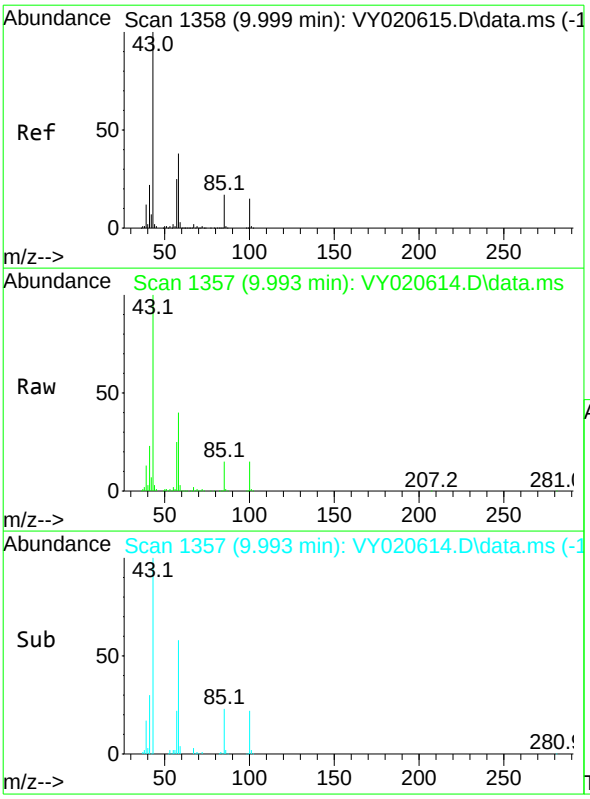


#50
Toluene-d8
Concen: 18.267 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 98 Resp: 122846

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.1	78.1

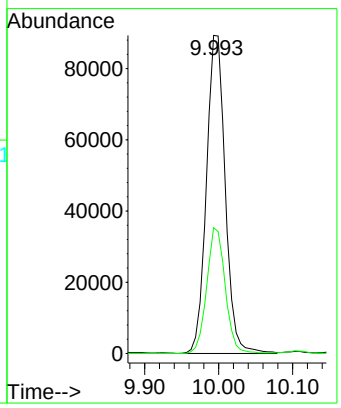




#51
4-Methyl-2-Pentanone
Concen: 95.918 ug/l
RT: 9.993 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 43 Resp: 157955

Ion	Ratio	Lower	Upper
43	100		
58	38.8	31.4	47.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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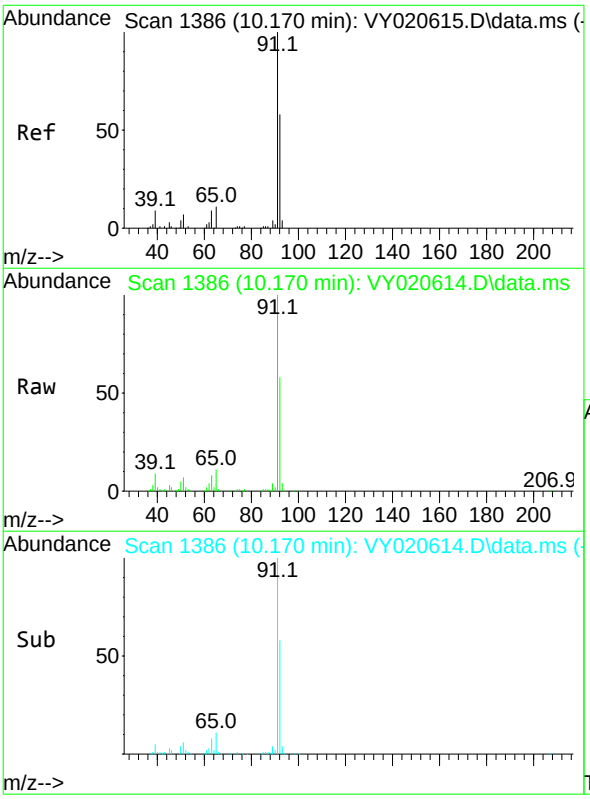
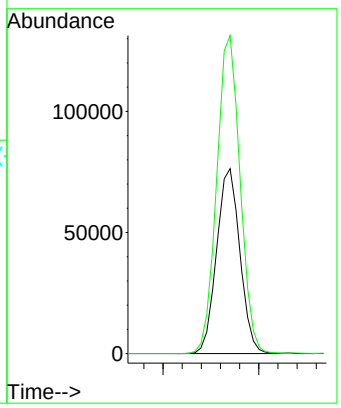
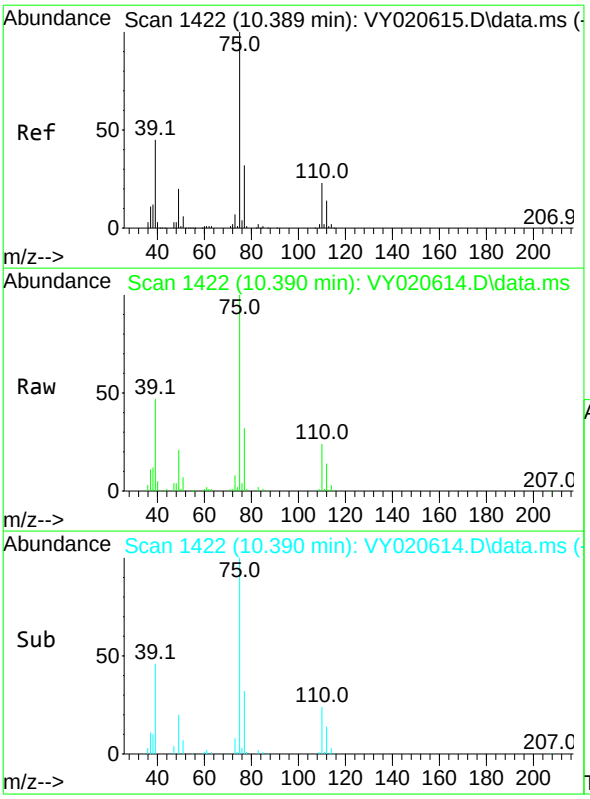


#52
Toluene
Concen: 20.245 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 92 Resp: 129196

Ion	Ratio	Lower	Upper
92	100		
91	172.6	137.4	206.0

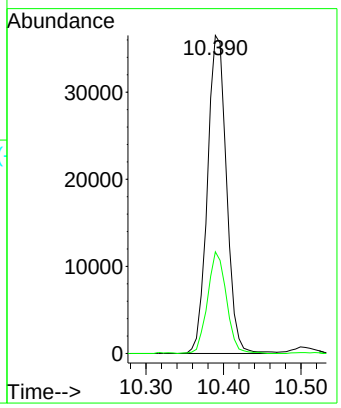




#53
t-1,3-Dichloropropene
Concen: 19.543 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 75 Resp: 62391

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.2



Instrument :
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ClientSampleId :
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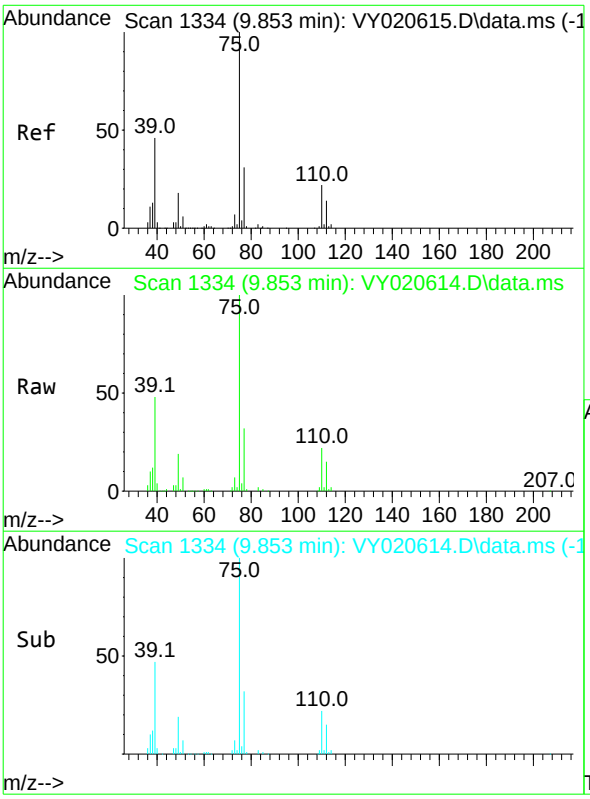
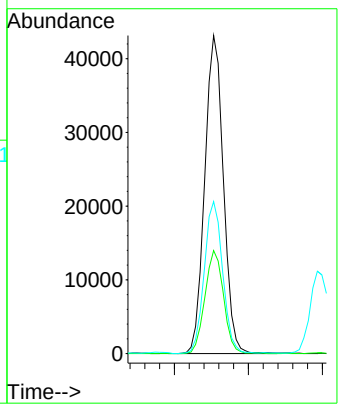
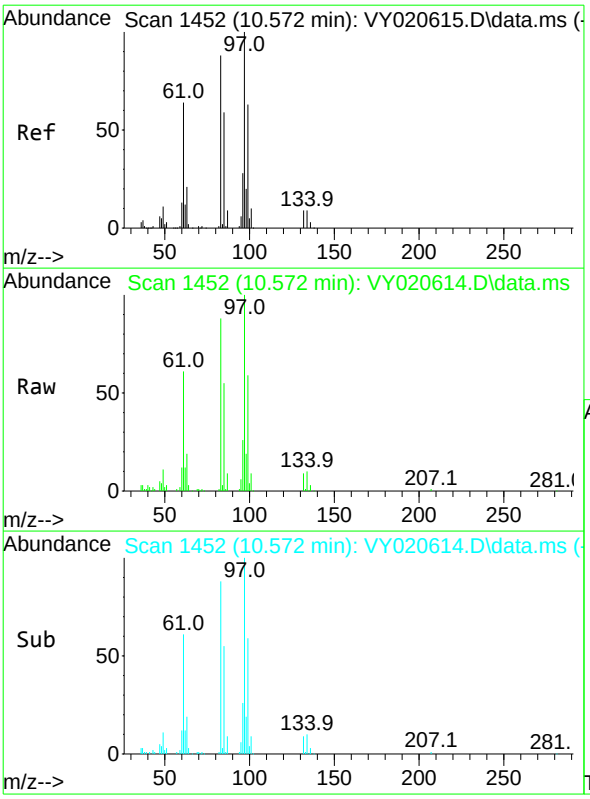


#54
cis-1,3-Dichloropropene
Concen: 19.996 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 75 Resp: 75647

Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.6	36.8
39	47.8	36.4	54.6

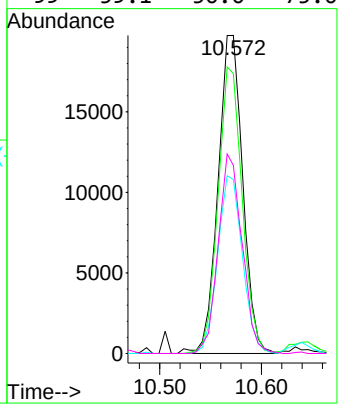




#55
1,1,2-Trichloroethane
Concen: 19.875 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 97 Resp: 33330

Ion	Ratio	Lower	Upper
97	100		
83	88.0	70.4	105.6
85	54.7	47.2	70.8
99	59.1	50.0	75.0



Instrument :
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ClientSampleId :
VSTDICC020

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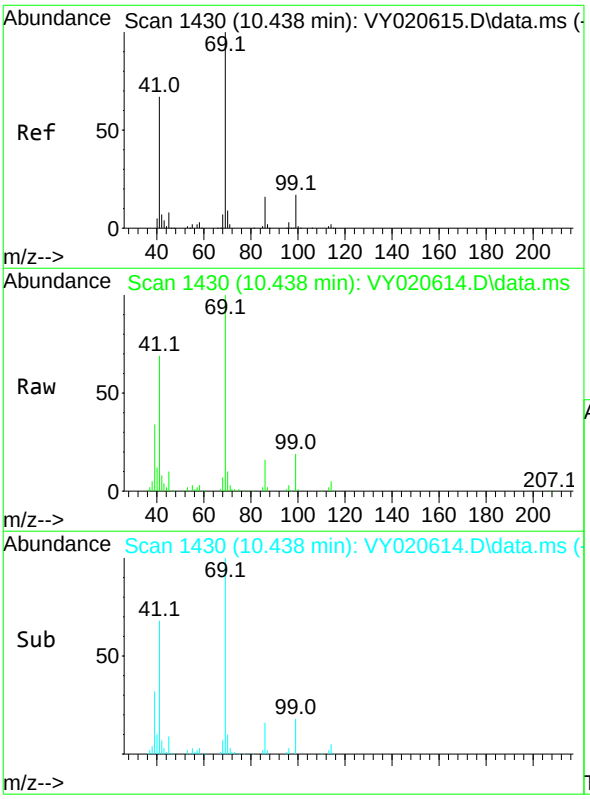
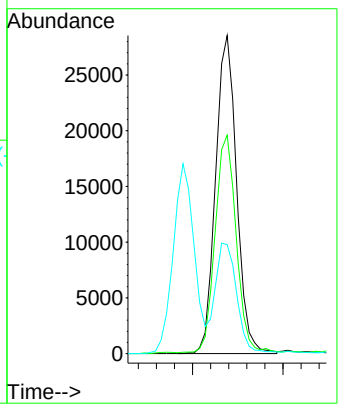
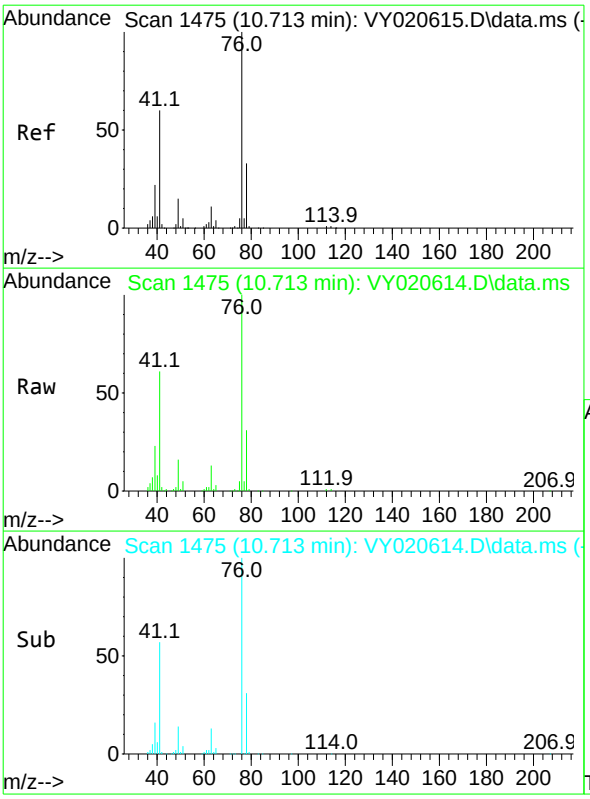


#56
Ethyl methacrylate
Concen: 18.930 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 69 Resp: 46055

Ion	Ratio	Lower	Upper
69	100		
41	68.4	54.0	81.0
39	35.0	27.9	41.9

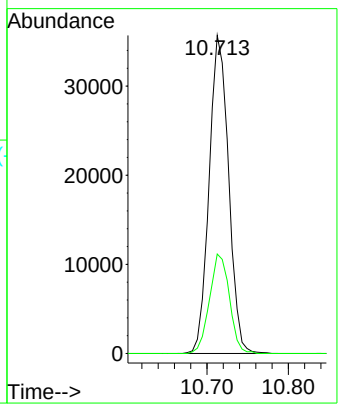




#57
1,3-Dichloropropane
Concen: 19.828 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 76 Resp: 59274

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8



Instrument :
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ClientSampleId :
VSTDICC020

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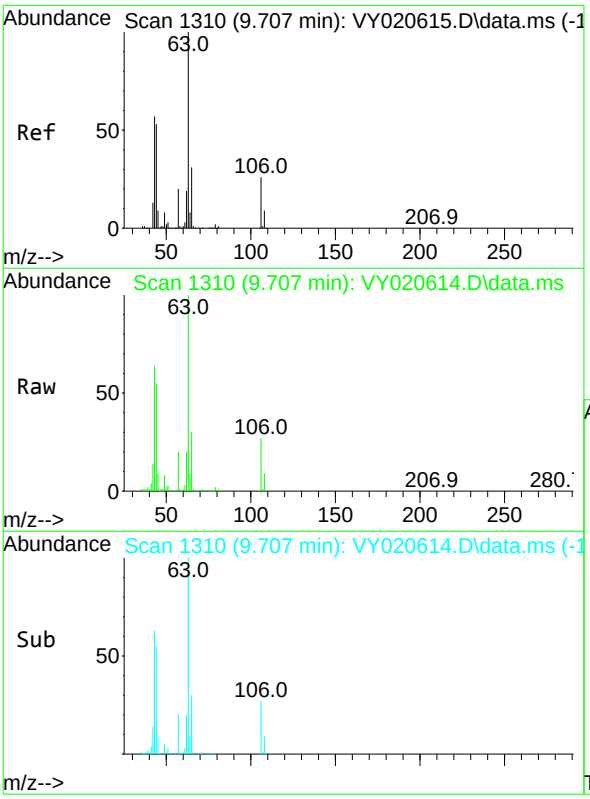
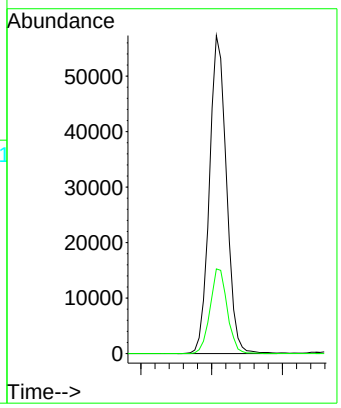
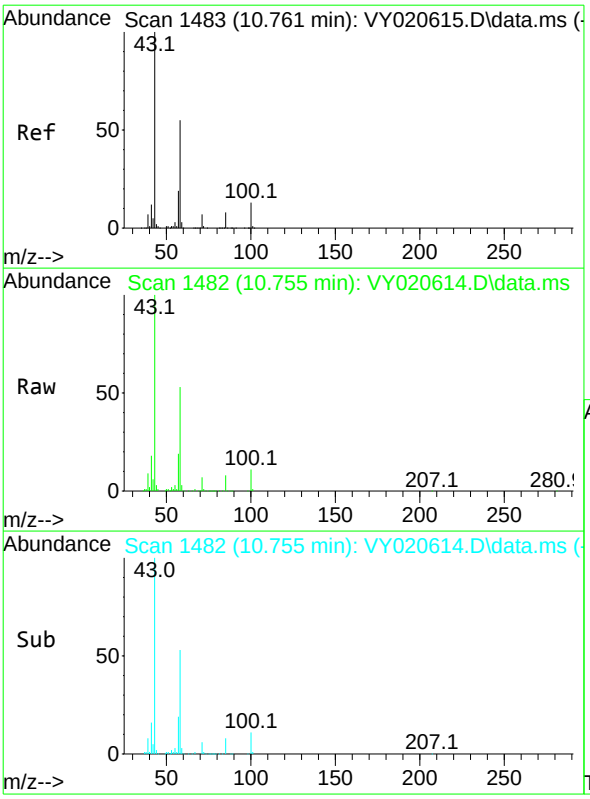


#58
2-Chloroethyl Vinyl ether
Concen: 93.804 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 63 Resp: 96023

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.5	32.3





#59
2-Hexanone
Concen: 94.224 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 43 Resp: 99623

Ion	Ratio	Lower	Upper
43	100		
58	54.6	27.2	81.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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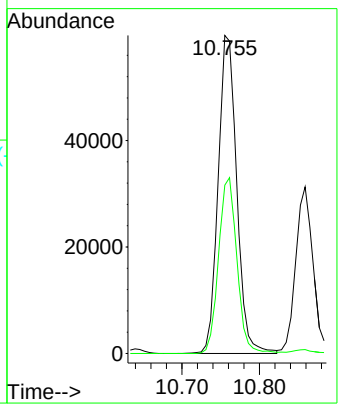
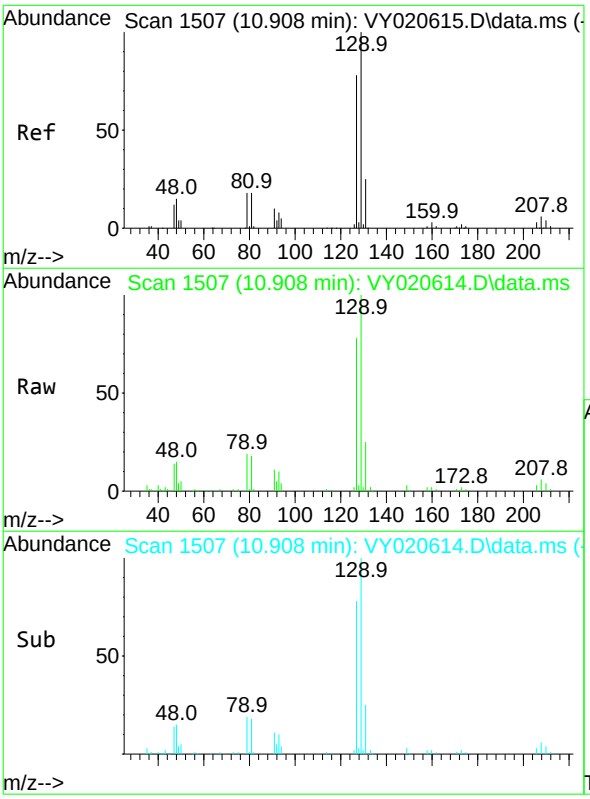
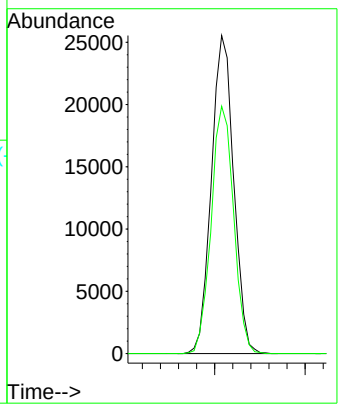


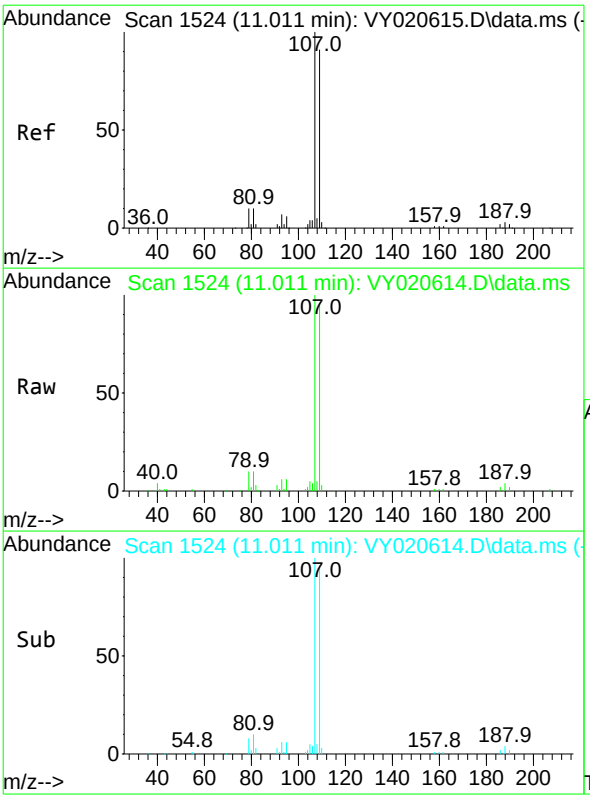


#60
Dibromochloromethane
Concen: 19.541 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:129 Resp: 43825

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.1	114.3

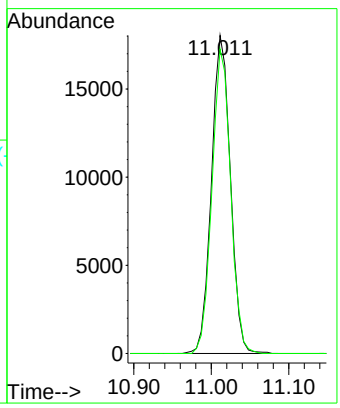




#61
1,2-Dibromoethane
Concen: 19.630 ug/l
RT: 11.011 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:107 Resp: 30621

Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.4	113.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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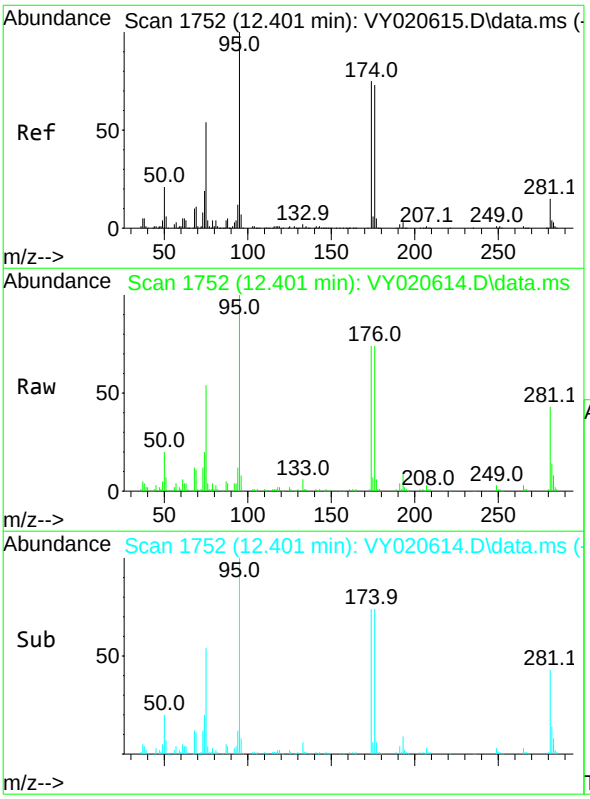
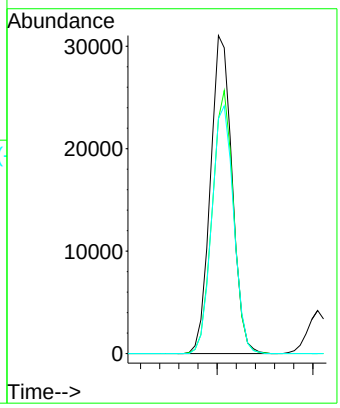
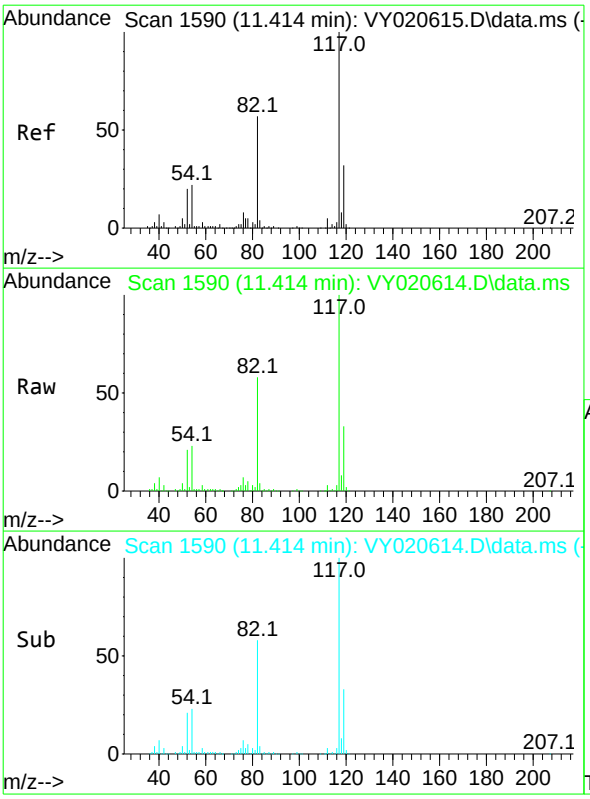


#62
4-Bromofluorobenzene
Concen: 18.552 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 95 Resp: 48801

Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	161.8
176	78.7	0.0	156.6

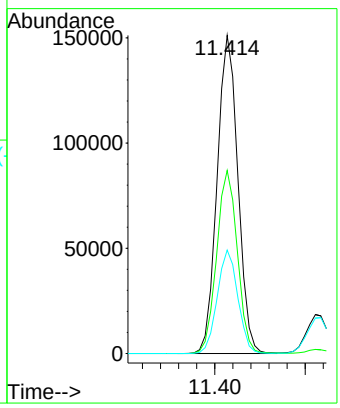




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:117 Resp: 241222

Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.8	68.6
119	32.5	25.3	37.9



Instrument :
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ClientSampleId :
VSTDICC020

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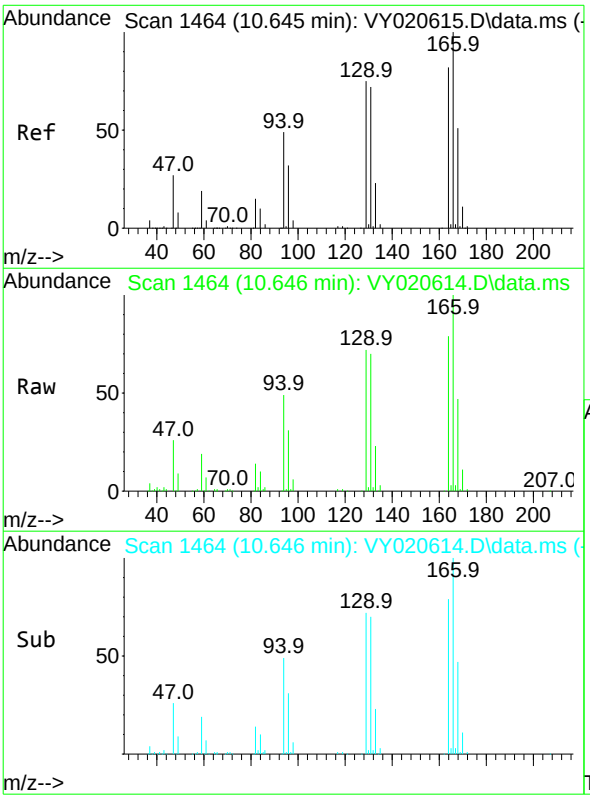
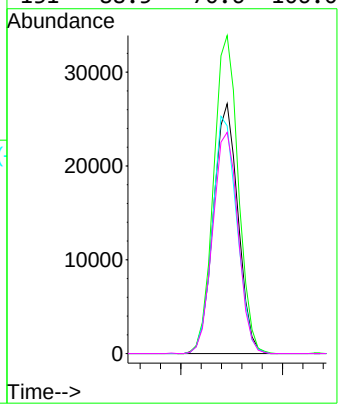
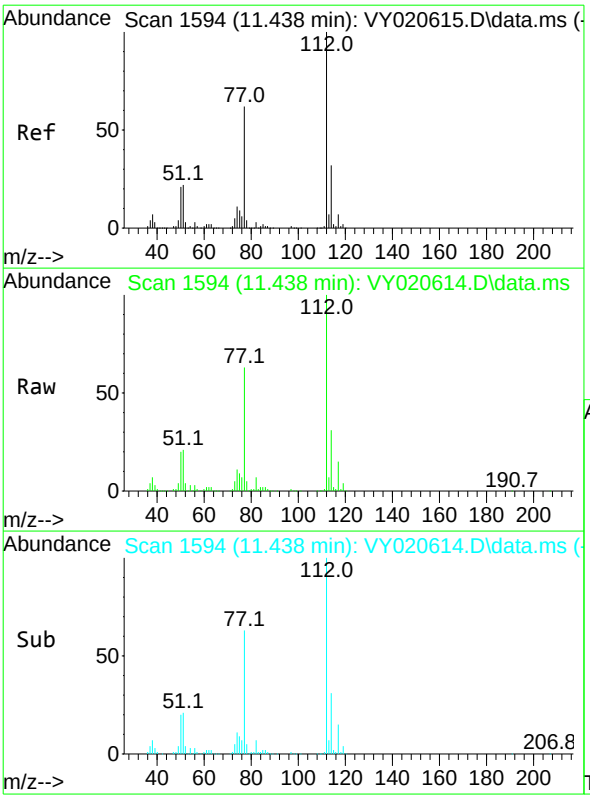


#64
Tetrachloroethene
Concen: 19.716 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:164 Resp: 44735

Ion	Ratio	Lower	Upper
164	100		
166	127.3	97.9	146.9
129	91.1	73.4	110.0
131	88.5	70.6	106.0

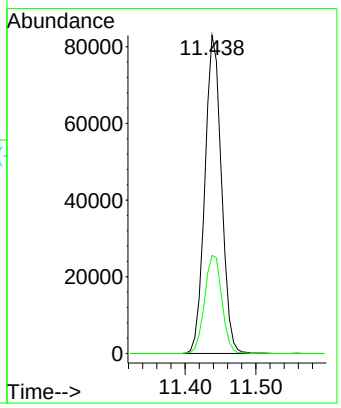




#65
Chlorobenzene
Concen: 19.987 ug/l
RT: 11.438 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:112 Resp: 134807

Ion	Ratio	Lower	Upper
112	100		
114	30.8	26.0	39.0



Instrument :
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ClientSampleId :
VSTDICC020

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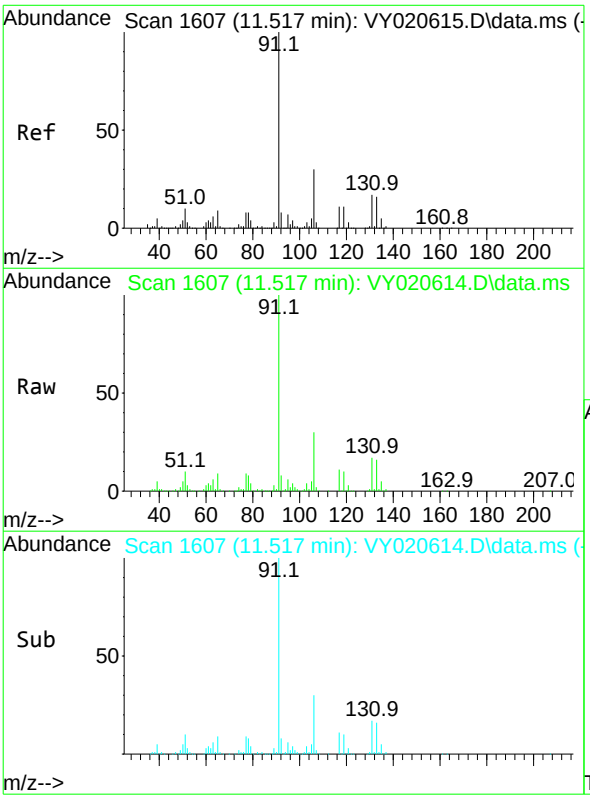
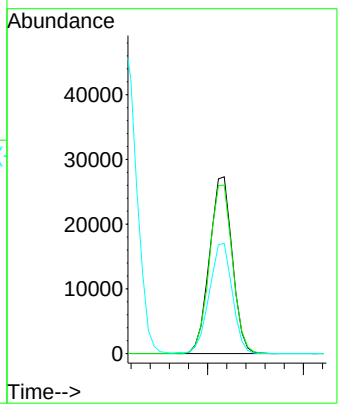
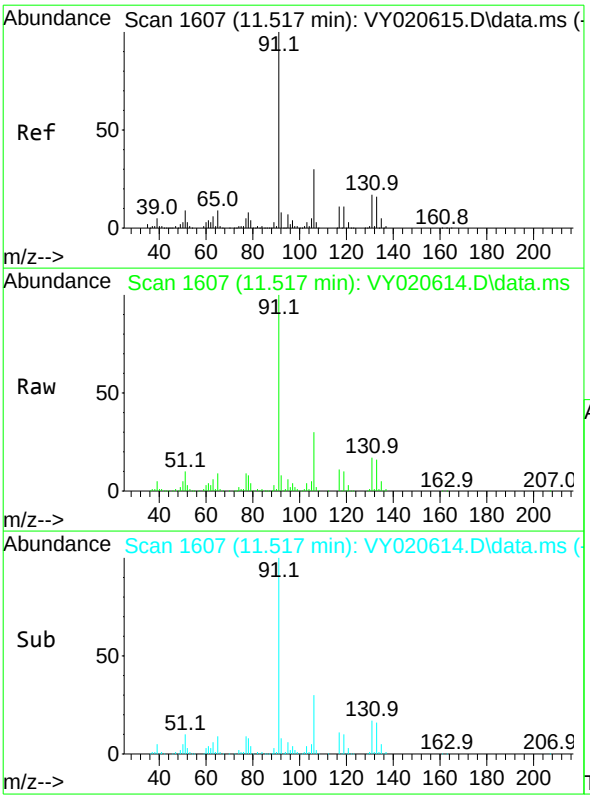


#66
1,1,1,2-Tetrachloroethane
Concen: 19.574 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:131 Resp: 45146

Ion	Ratio	Lower	Upper
131	100		
133	96.8	46.8	140.3
119	63.1	31.8	95.3

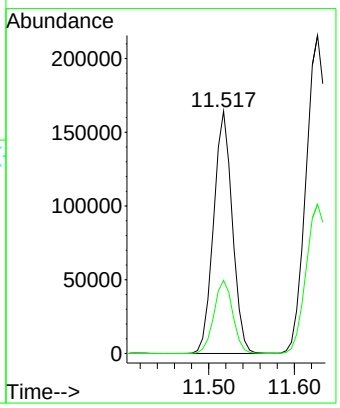




#67
Ethyl Benzene
Concen: 20.027 ug/l
RT: 11.517 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 91 Resp: 249208

Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.9	35.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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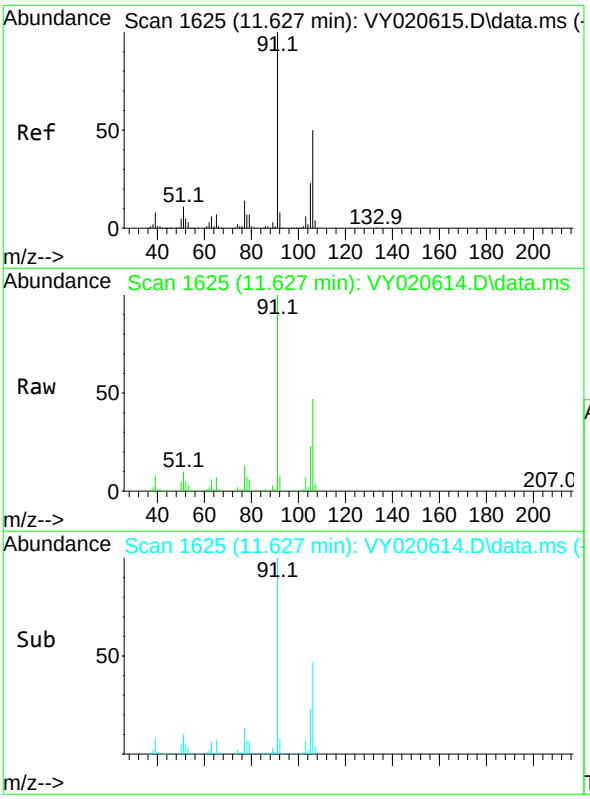
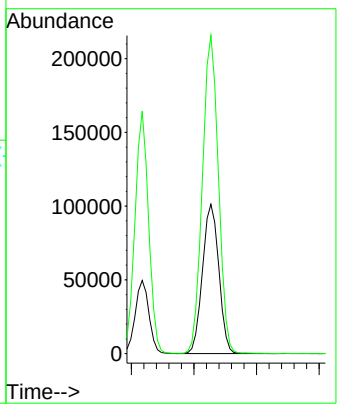
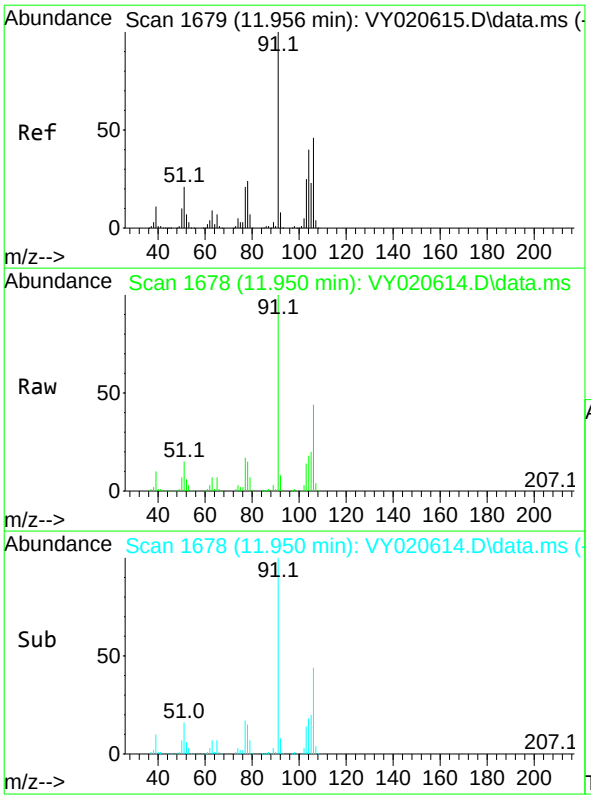


#68
m/p-Xylenes
Concen: 39.659 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:106 Resp: 183488

Ion	Ratio	Lower	Upper
106	100		
91	208.9	165.0	247.4





#69
o-Xylene
Concen: 19.932 ug/l
RT: 11.950 min Scan# 16
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:106 Resp: 86043

Ion	Ratio	Lower	Upper
106	100		
91	219.8	108.4	325.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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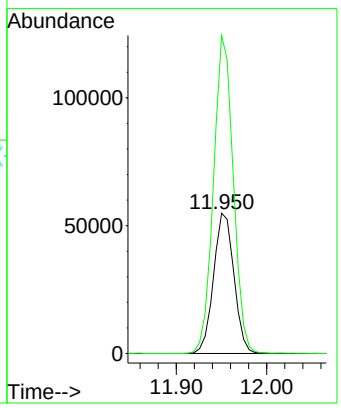
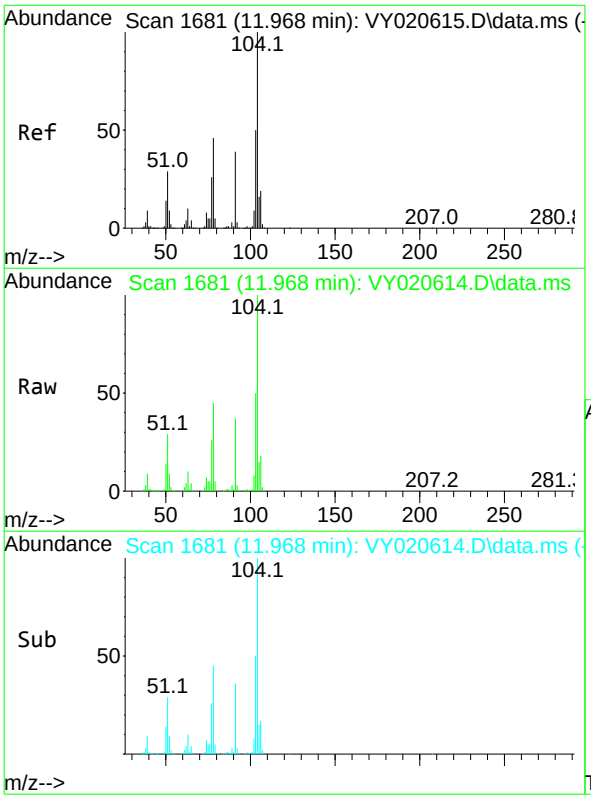
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

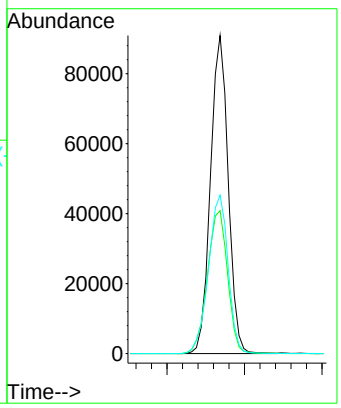


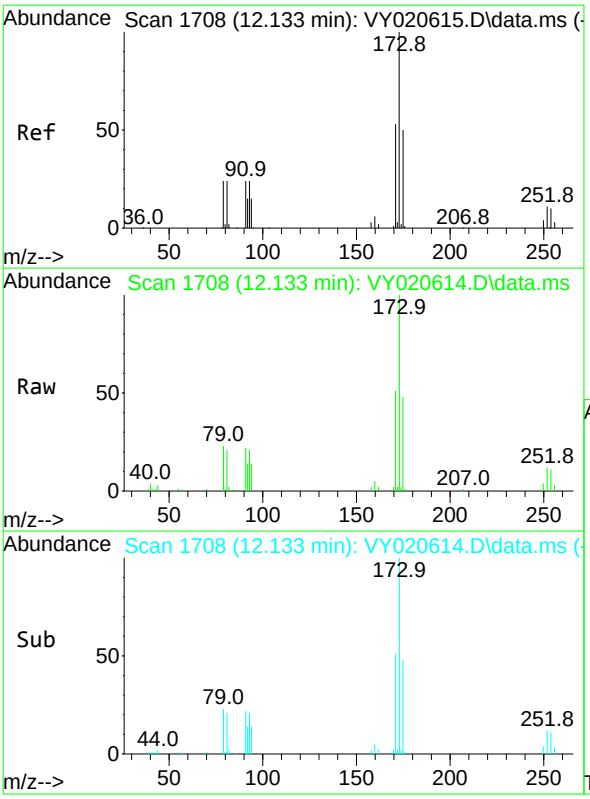


#70
Styrene
Concen: 20.012 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:104 Resp: 144333

Ion	Ratio	Lower	Upper
104	100		
78	51.1	41.6	62.4
103	55.1	43.7	65.5

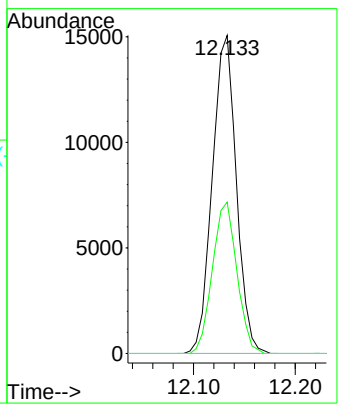




#71
Bromoform
Concen: 19.062 ug/l
RT: 12.133 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:173 Resp: 24718

Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.6	74.0
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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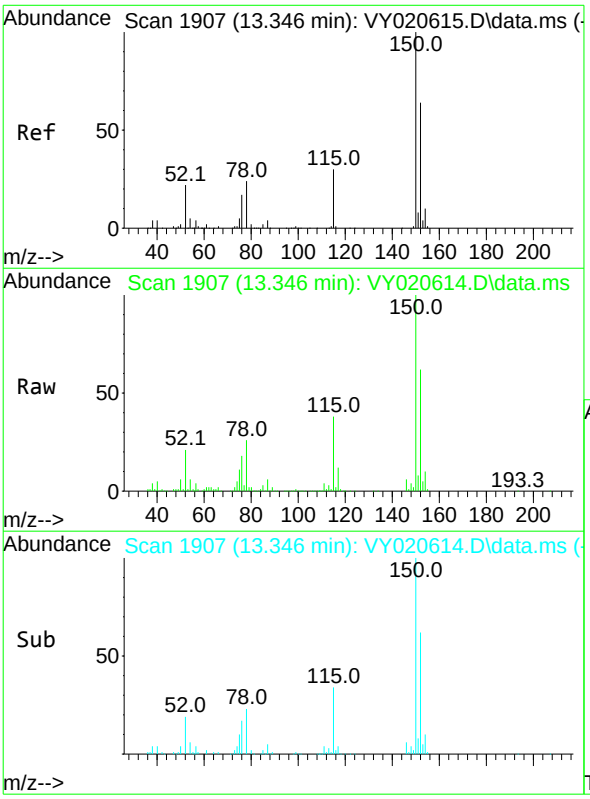
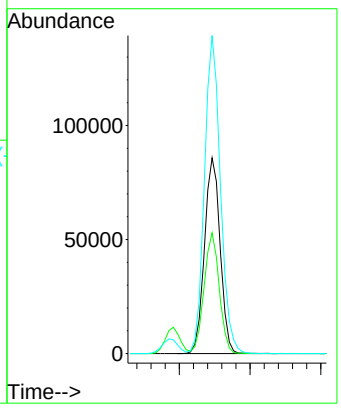
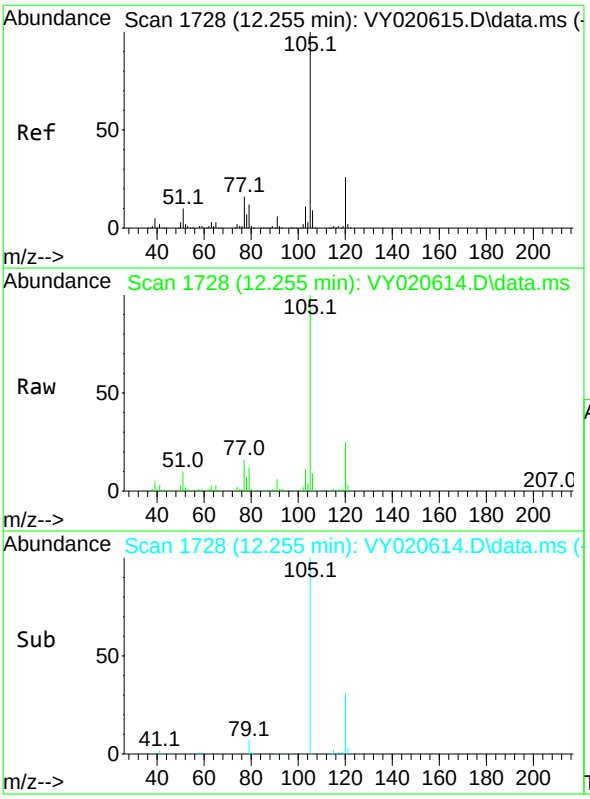


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:152 Resp: 131827

Ion	Ratio	Lower	Upper
152	100		
115	59.6	30.2	90.6
150	165.8	0.0	355.4

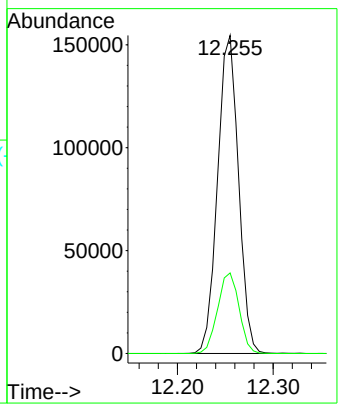




#73
Isopropylbenzene
Concen: 20.404 ug/l
RT: 12.255 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:105 Resp: 234727

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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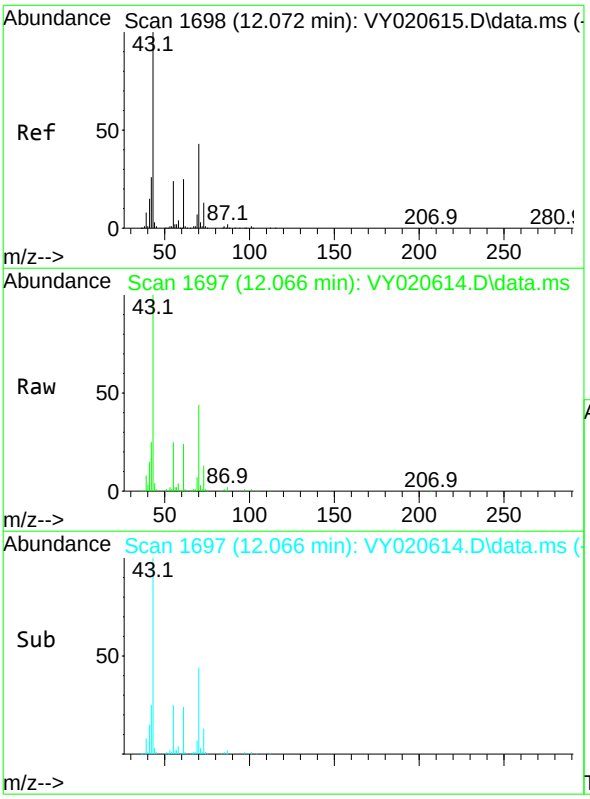
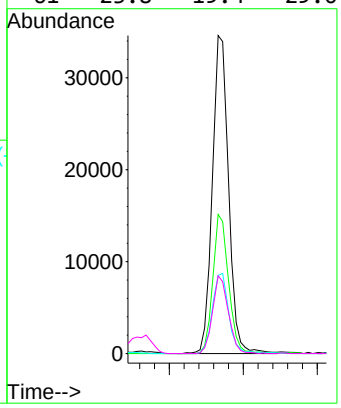
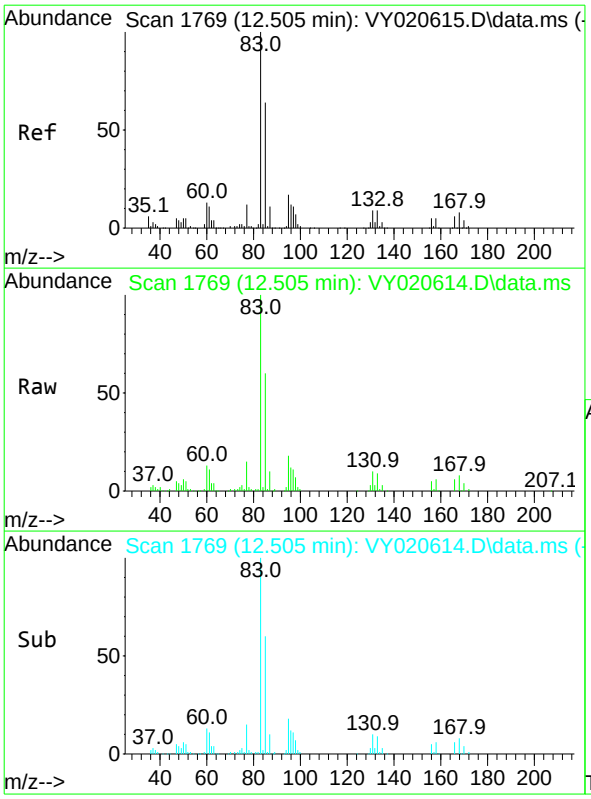


#74
N-amyl acetate
Concen: 19.574 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 43 Resp: 52699

Ion	Ratio	Lower	Upper
43	100		
70	42.5	34.2	51.2
55	25.8	19.6	29.4
61	23.8	19.4	29.0

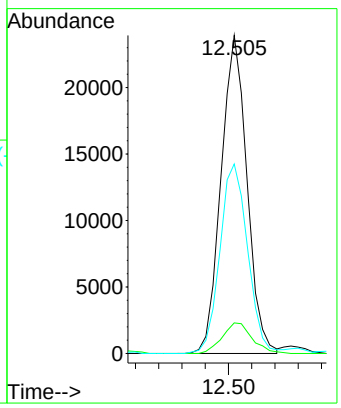




#75
1,1,2,2-Tetrachloroethane
Concen: 19.813 ug/l
RT: 12.505 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 83 Resp: 36998

Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.2	15.6
85	63.6	32.5	97.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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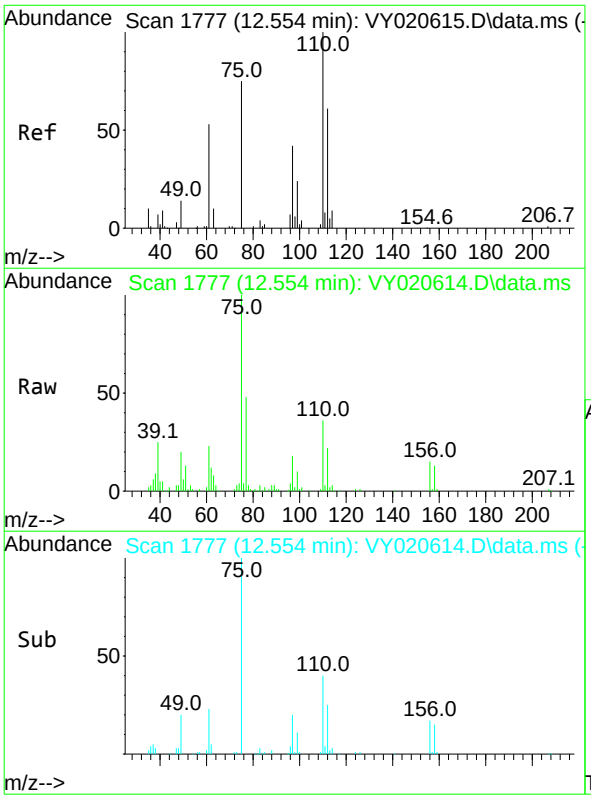
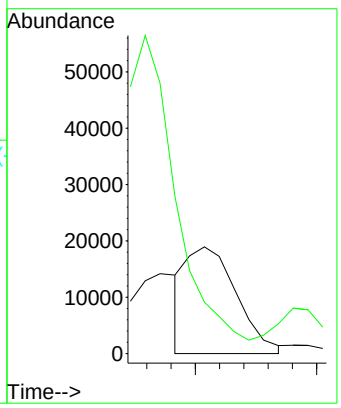
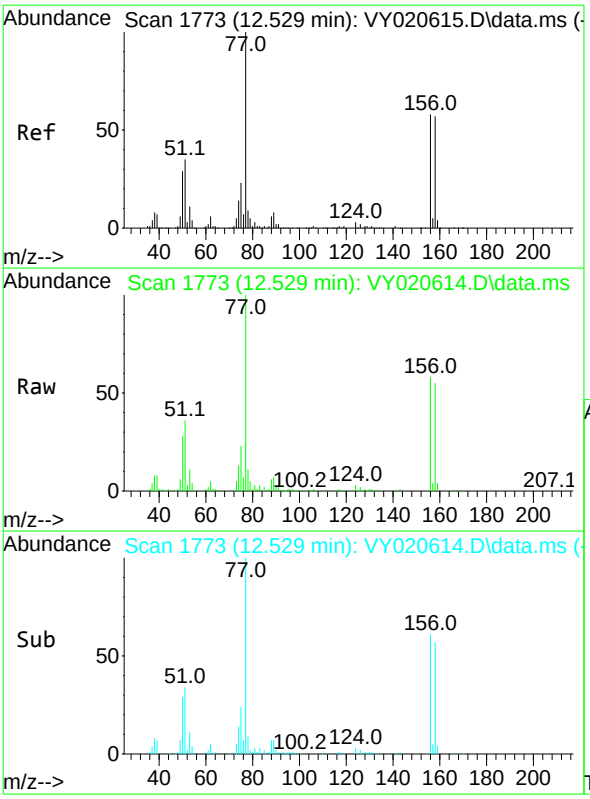


#76
1,2,3-Trichloropropane
Concen: 20.210 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 75 Resp: 27440

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

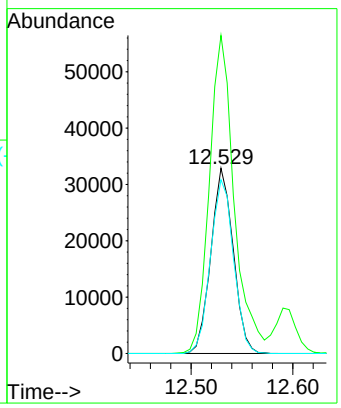




#77
Bromobenzene
Concen: 20.063 ug/l
RT: 12.529 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:156 Resp: 50276

Ion	Ratio	Lower	Upper
156	100		
77	190.2	94.2	282.4
158	96.8	48.9	146.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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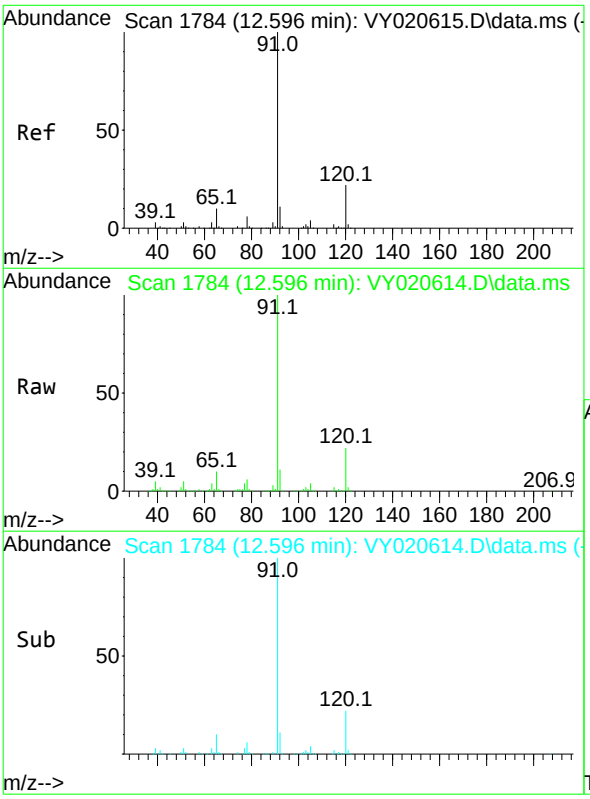
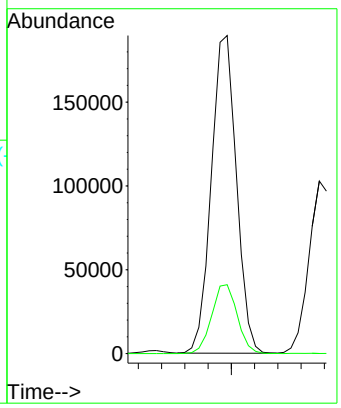
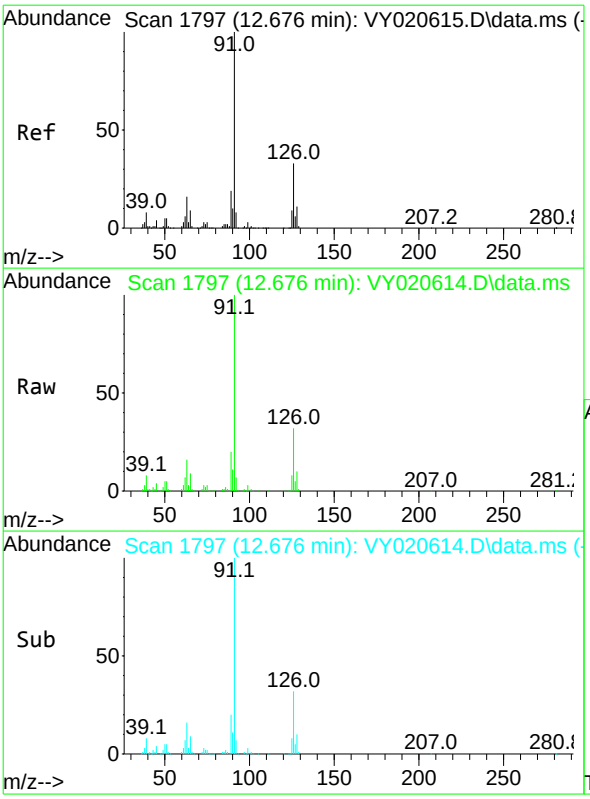


#78
n-propylbenzene
Concen: 20.534 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 91 Resp: 284604

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1

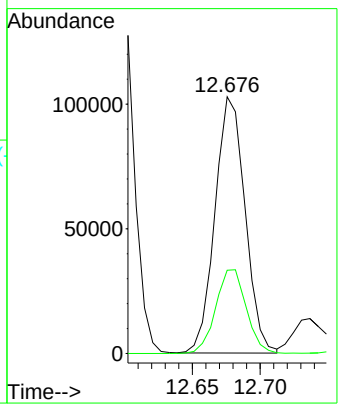




#79
2-Chlorotoluene
Concen: 20.369 ug/l
RT: 12.676 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 91 Resp: 158834

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.6	49.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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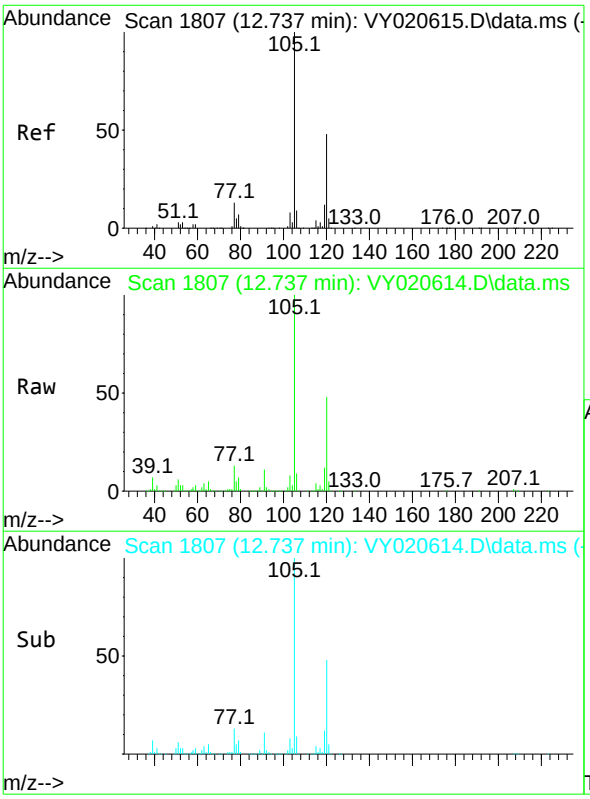
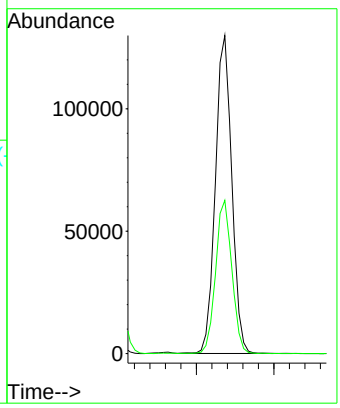
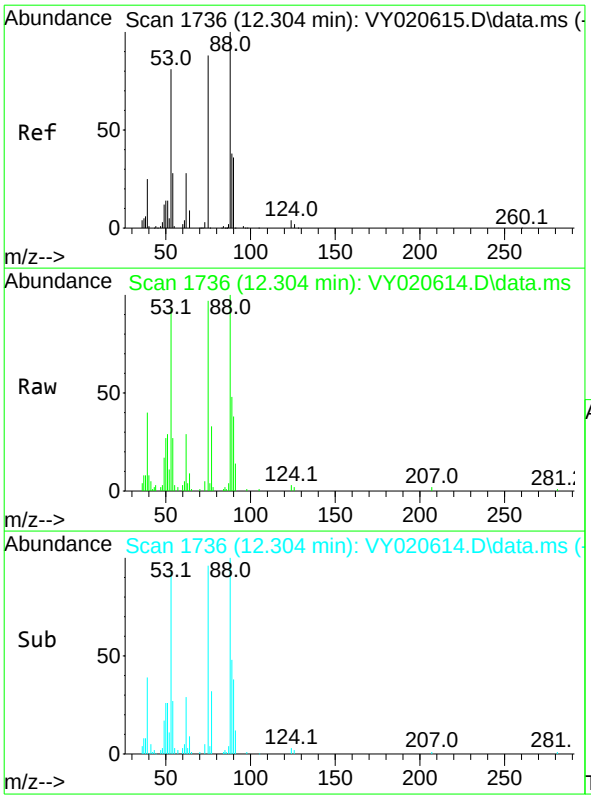


#80
1,3,5-Trimethylbenzene
Concen: 20.458 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:105 Resp: 190968

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 19.986 ug/l
RT: 12.304 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 75 Resp: 13039

Ion	Ratio	Lower	Upper
75	100		
53	95.8	75.4	113.2
89	49.1	37.0	55.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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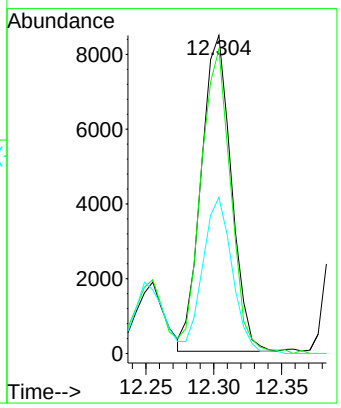
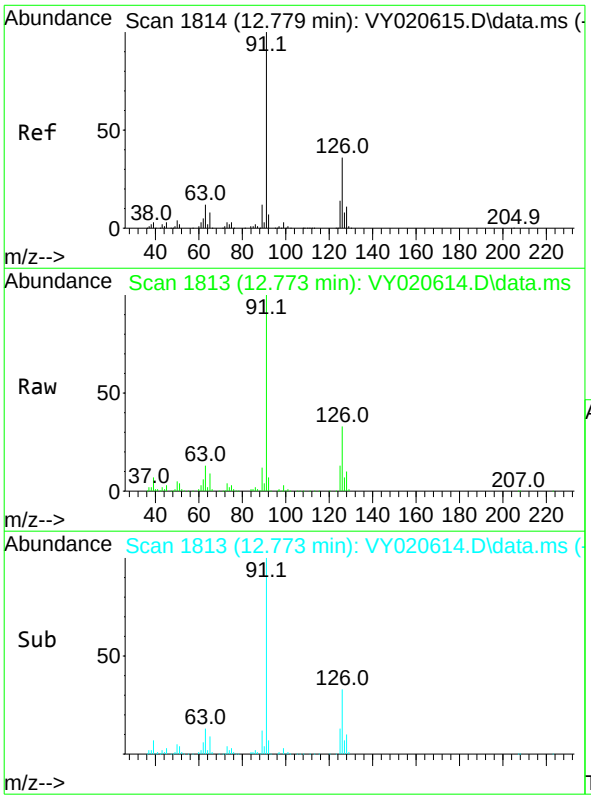
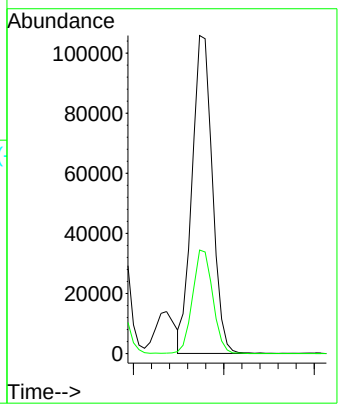


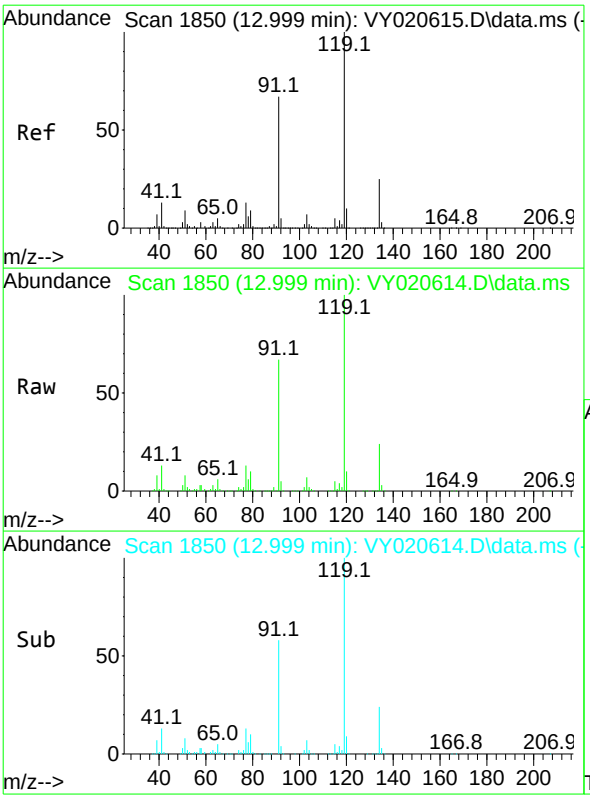


#82
4-Chlorotoluene
Concen: 20.358 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 91 Resp: 164692

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.6	49.7





#83
tert-Butylbenzene
Concen: 20.507 ug/l
RT: 12.999 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:119 Resp: 173358

Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.9	98.6
134	25.9	13.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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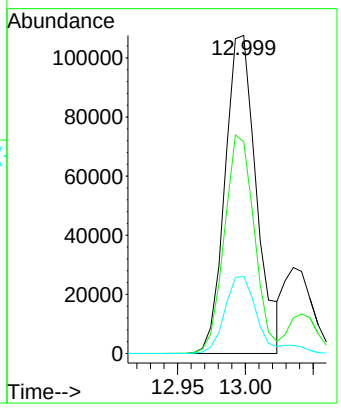
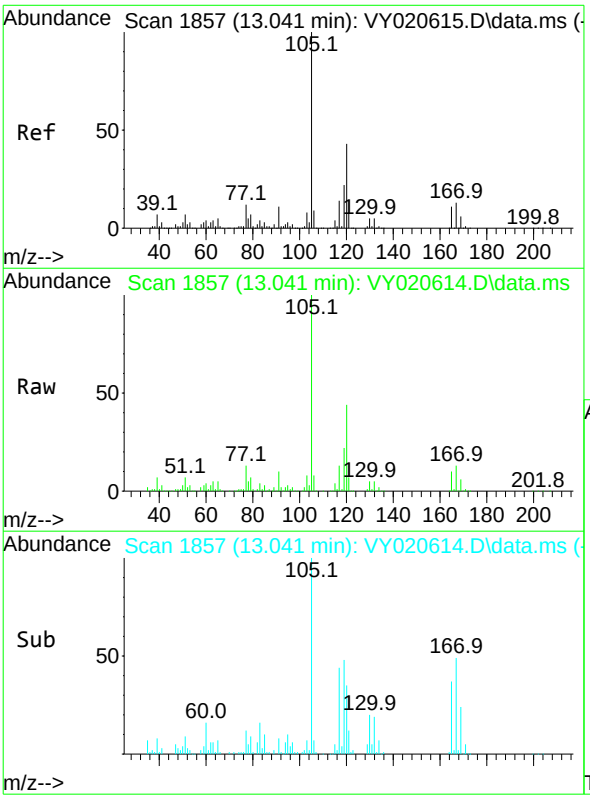
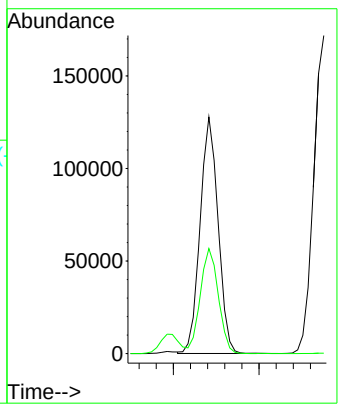


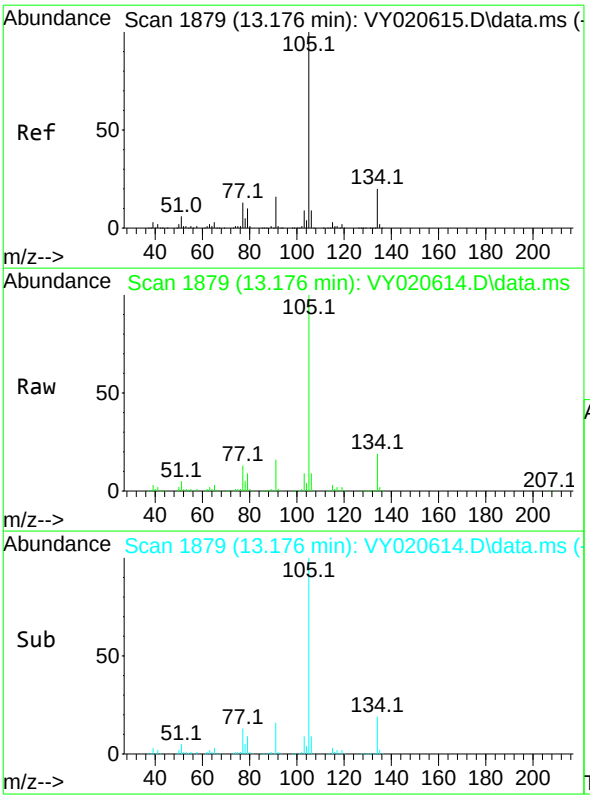


#84
1,2,4-Trimethylbenzene
Concen: 20.352 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:105 Resp: 186344

Ion	Ratio	Lower	Upper
105	100		
120	44.4	21.8	65.4

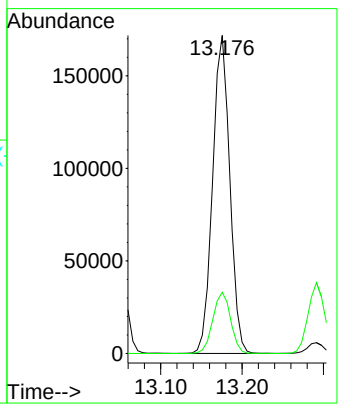




#85
sec-Butylbenzene
Concen: 20.492 ug/l
RT: 13.176 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:105 Resp: 251880

Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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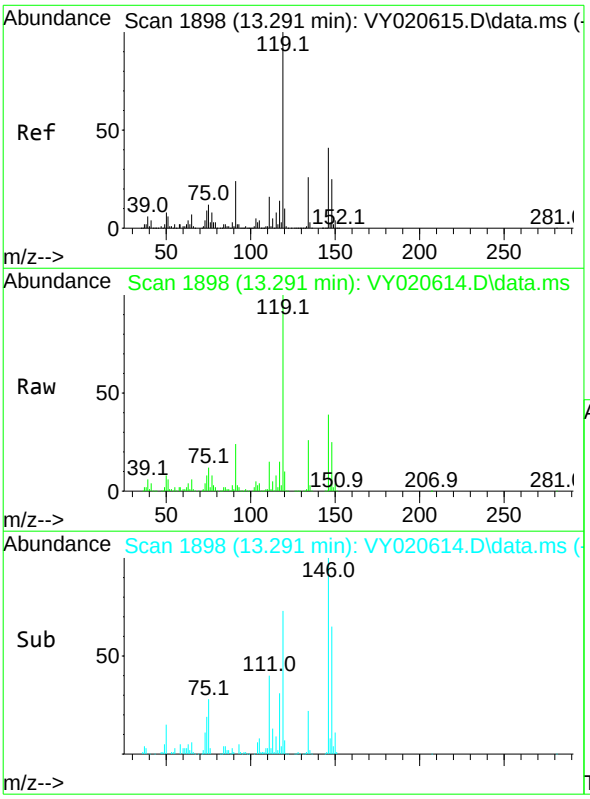
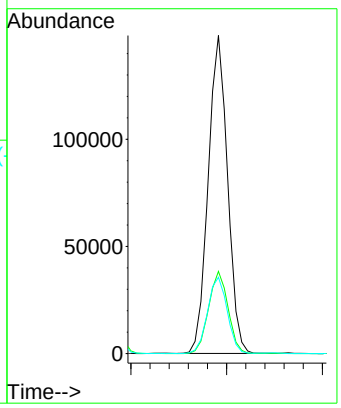
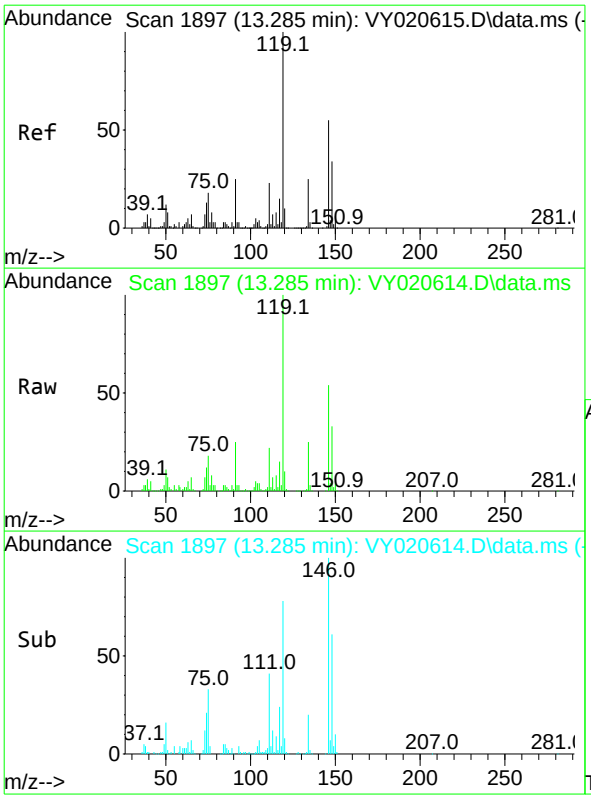


#86
p-Isopropyltoluene
Concen: 20.558 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:119 Resp: 208342

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.6
91	24.5	12.1	36.3

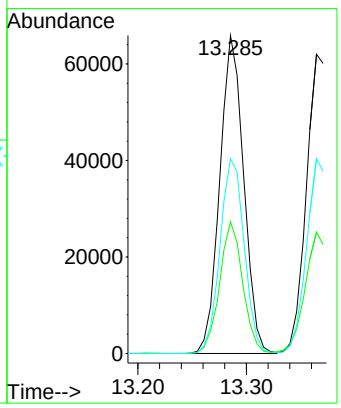




#87
1,3-Dichlorobenzene
Concen: 20.380 ug/l
RT: 13.285 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:146 Resp: 100815

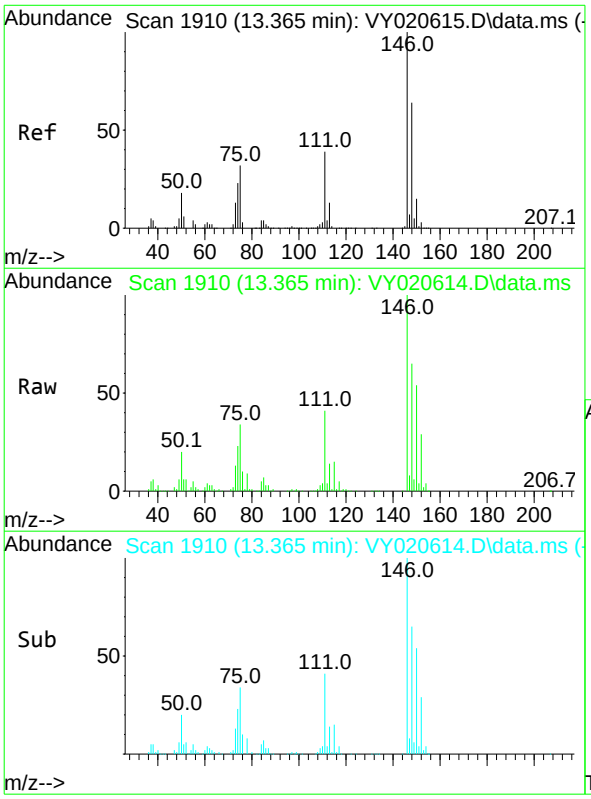
Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.6	61.8
148	62.1	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

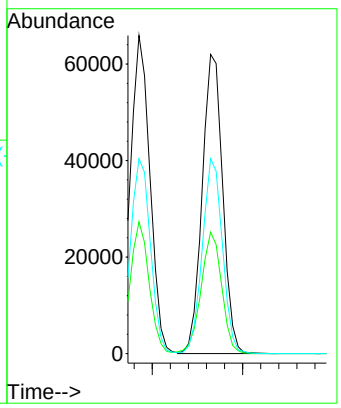
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

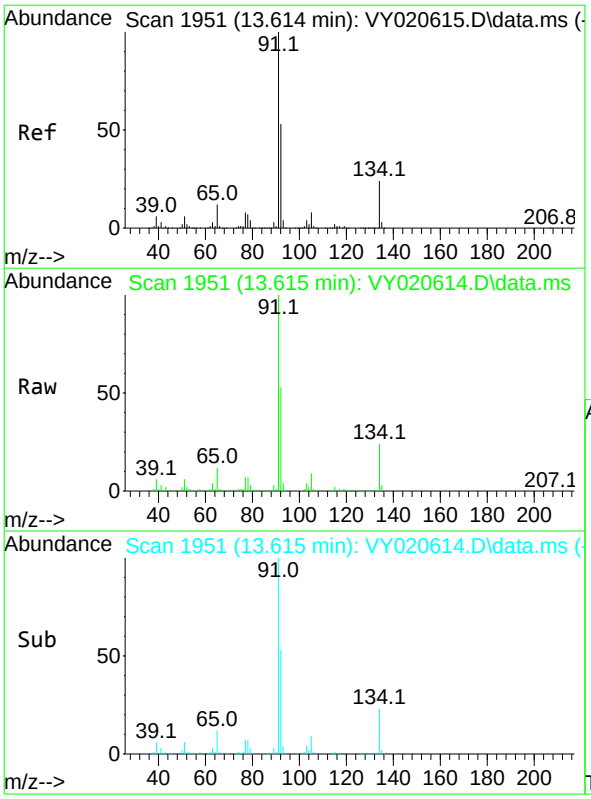


#88
1,4-Dichlorobenzene
Concen: 19.935 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:146 Resp: 97668

Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.6	58.7
148	63.9	31.9	95.5

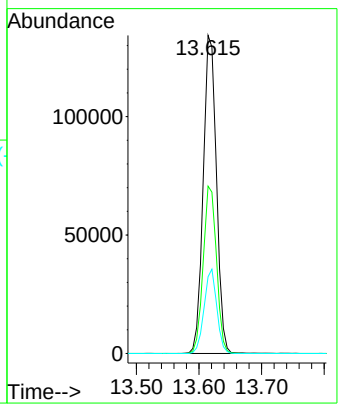




#89
n-Butylbenzene
Concen: 20.511 ug/l
RT: 13.615 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 91 Resp: 196997

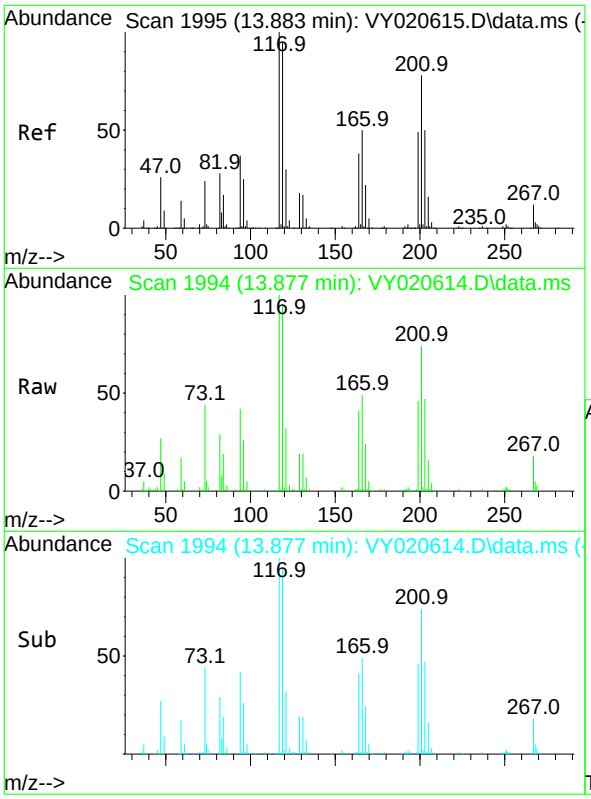
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.8	80.4
134	25.4	12.5	37.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

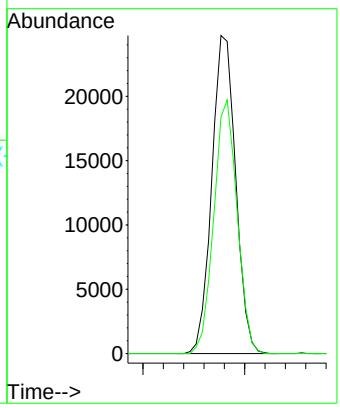
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

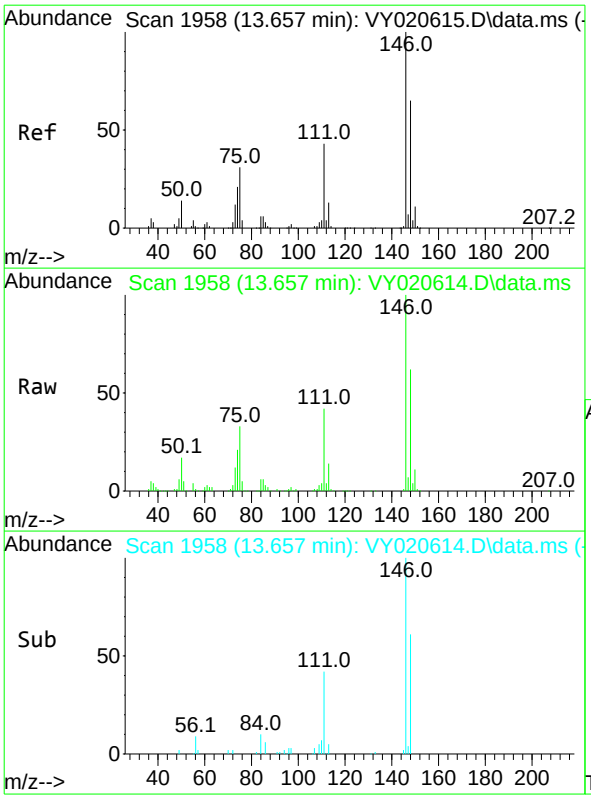


#90
Hexachloroethane
Concen: 20.057 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:117 Resp: 40281

Ion	Ratio	Lower	Upper
117	100		
201	77.8	39.1	117.3

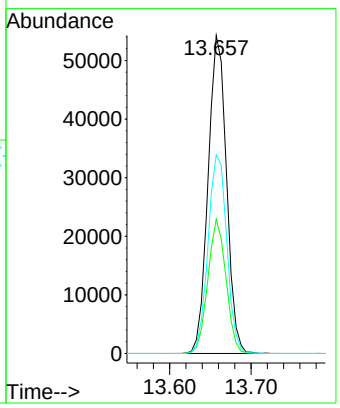




#91
1,2-Dichlorobenzene
Concen: 19.862 ug/l
RT: 13.657 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:146 Resp: 85128

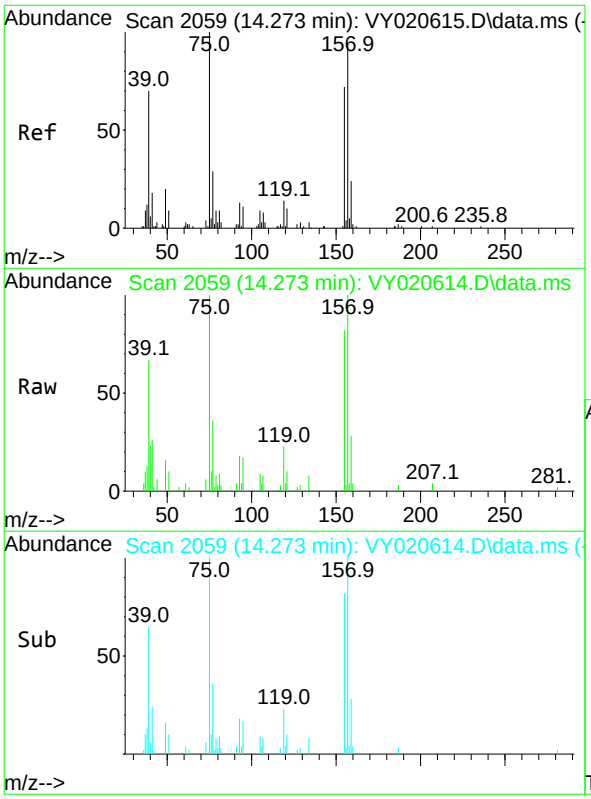
Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.3	63.7
148	64.0	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

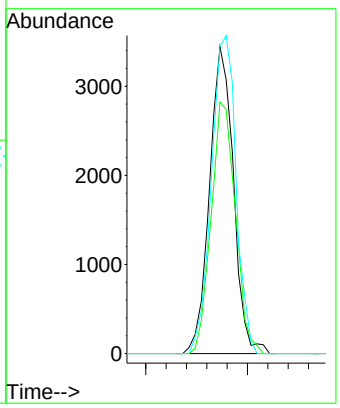
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

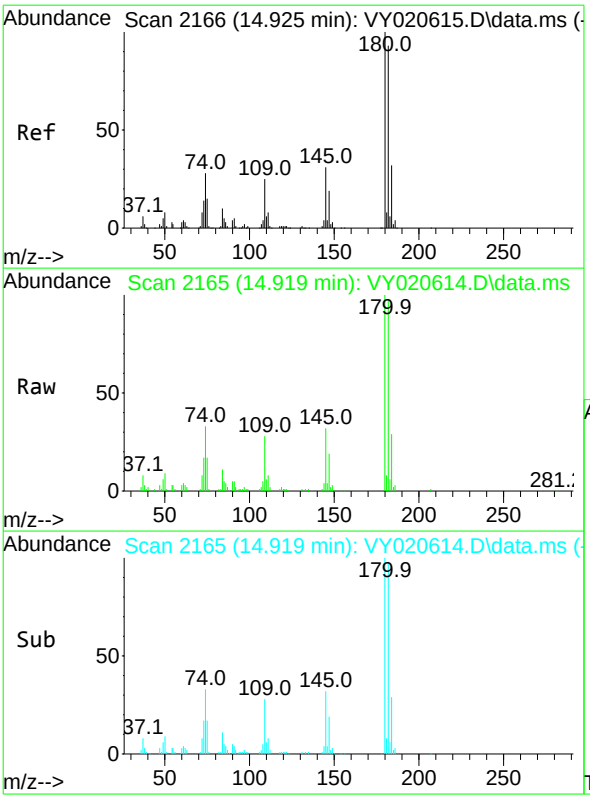


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.561 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 75 Resp: 5627

Ion	Ratio	Lower	Upper
75	100		
155	83.2	41.1	123.3
157	106.5	52.9	158.8

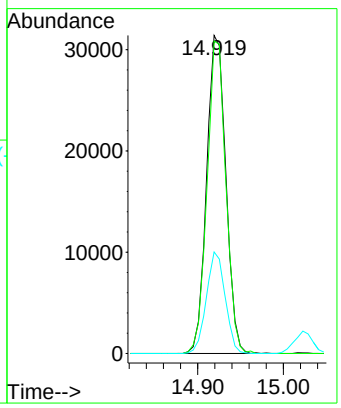




#93
1,2,4-Trichlorobenzene
Concen: 18.850 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:180 Resp: 48869

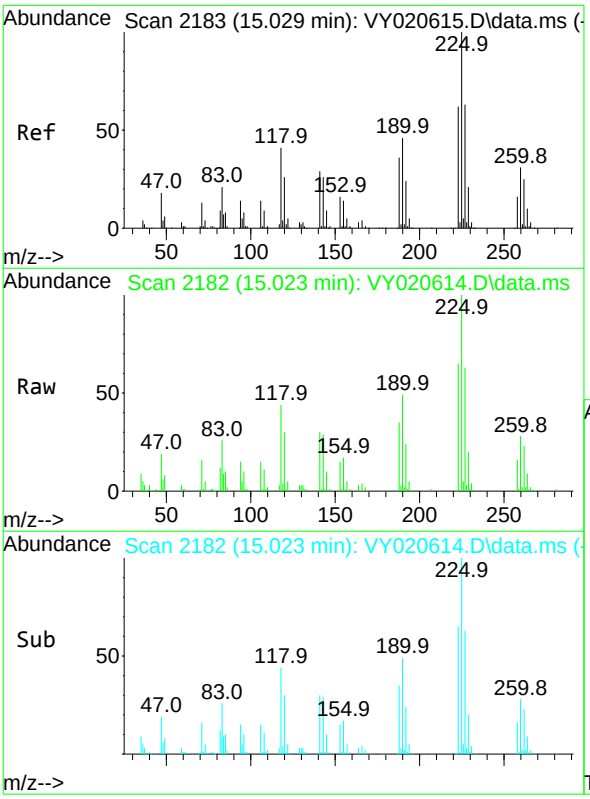
Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.9	143.6
145	31.3	15.6	46.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

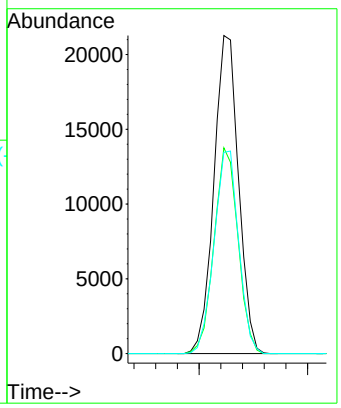
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

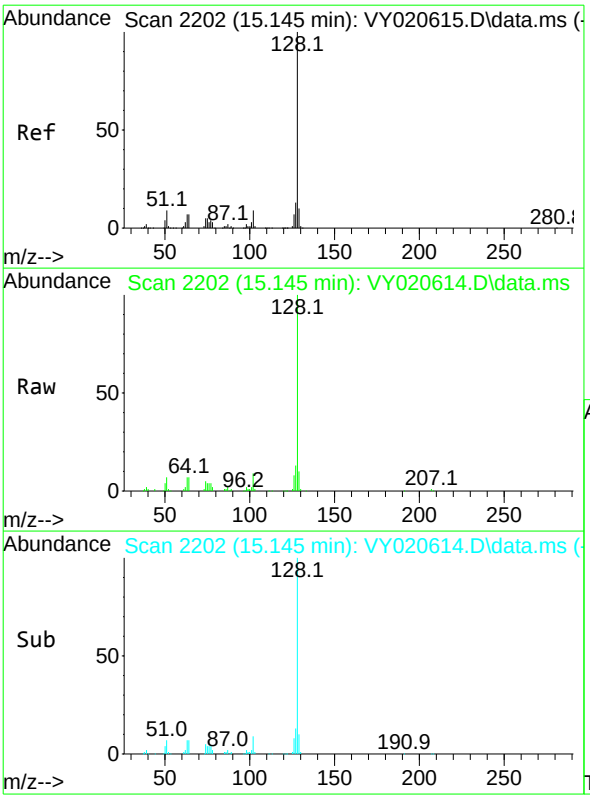


#94
Hexachlorobutadiene
Concen: 19.781 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:225 Resp: 33524

Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.8	95.3
227	63.5	32.2	96.6

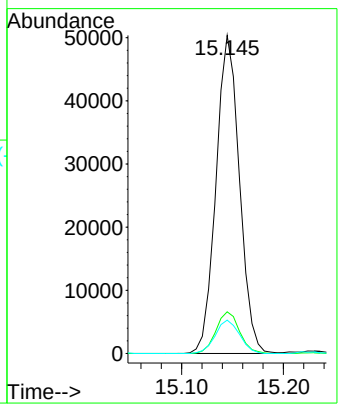




#95
Naphthalene
Concen: 18.126 ug/l
RT: 15.145 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:128 Resp: 80562

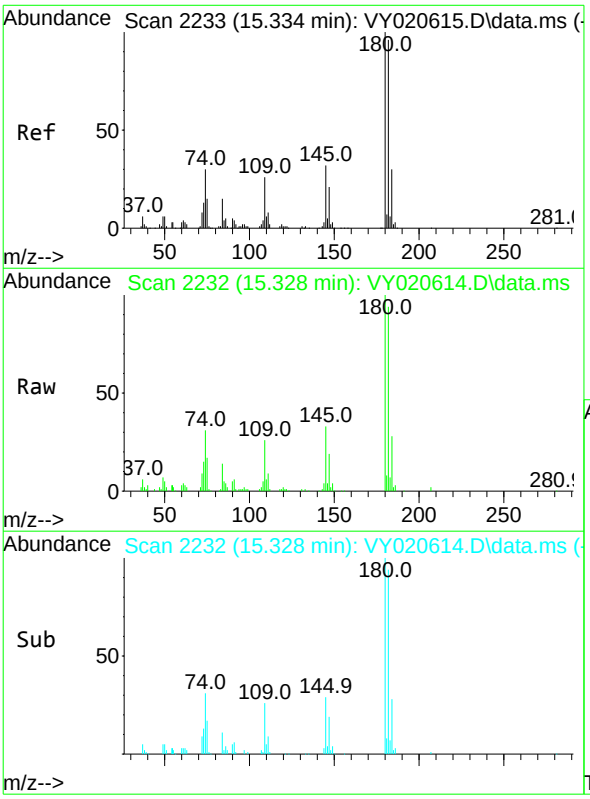
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	10.9	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

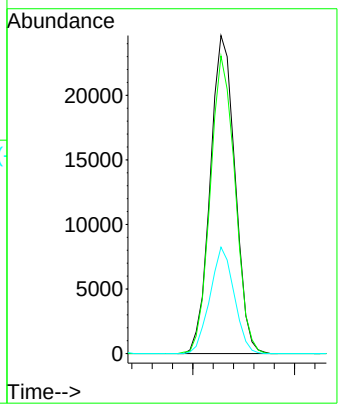
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#96
1,2,3-Trichlorobenzene
Concen: 19.031 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:180 Resp: 41686

Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.3	141.9
145	32.6	16.0	48.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020615.D
Acq On : 17 Dec 2024 10:51
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Dec 18 04:52:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	169292	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	263162	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	234325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	130092	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	96289	51.933	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.860%			
35) Dibromofluoromethane	7.634	113	94848	51.139	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.280%			
50) Toluene-d8	10.103	98	334601	51.543	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.080%			
62) 4-Bromofluorobenzene	12.401	95	126226	49.707	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 99.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	104493	49.416	ug/l	100
3) Chloromethane	2.068	50	72429	46.229	ug/l	100
4) Vinyl Chloride	2.202	62	62750	43.031	ug/l	100
5) Bromomethane	2.598	94	38716	41.303	ug/l	100
6) Chloroethane	2.738	64	35946	39.890	ug/l	100
7) Trichlorofluoromethane	3.061	101	133990	43.913	ug/l	100
8) Diethyl Ether	3.458	74	49218	45.993	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.817	101	102158	46.710	ug/l	100
10) Methyl Iodide	4.006	142	117209	48.135	ug/l	100
11) Tert butyl alcohol	4.860	59	42756	214.068	ug/l	100
12) 1,1-Dichloroethene	3.787	96	99773	47.016	ug/l	100
13) Acrolein	3.653	56	14576	166.258	ug/l	100
14) Allyl chloride	4.384	41	173951	46.780	ug/l	100
15) Acrylonitrile	5.055	53	130861	255.615	ug/l	100
16) Acetone	3.866	43	83206	225.255	ug/l	100
17) Carbon Disulfide	4.104	76	328309	47.529	ug/l	100
18) Methyl Acetate	4.384	43	59224	46.948	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	281609	51.414	ug/l	100
20) Methylene Chloride	4.616	84	104472	45.319	ug/l	100
21) trans-1,2-Dichloroethene	5.116	96	120184	50.488	ug/l	100
22) Diisopropyl ether	6.024	45	387073	51.282	ug/l	100
23) Vinyl Acetate	5.963	43	1112368	260.208	ug/l	100
24) 1,1-Dichloroethane	5.915	63	223898	50.635	ug/l	100
25) 2-Butanone	6.896	43	167158	242.593	ug/l	100
26) 2,2-Dichloropropane	6.884	77	200438	47.951	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	138280	50.490	ug/l	100
28) Bromochloromethane	7.244	49	83821	56.199	ug/l	100
29) Tetrahydrofuran	7.262	42	112230	258.011	ug/l	100
30) Chloroform	7.420	83	233357	52.860	ug/l	100
31) Cyclohexane	7.701	56	202782	47.962	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	202760	49.911	ug/l	100
36) 1,1-Dichloropropene	7.835	75	167520	49.533	ug/l	100
37) Ethyl Acetate	6.981	43	78387	49.275	ug/l	100
38) Carbon Tetrachloride	7.817	117	184345	49.267	ug/l	100
39) Methylcyclohexane	9.109	83	219055	49.696	ug/l	100
40) Benzene	8.079	78	489140	49.343	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020615.D
Acq On : 17 Dec 2024 10:51
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Dec 18 04:52:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	40529	48.191	ug/l		100
42) 1,2-Dichloroethane	8.158	62	131640	50.069	ug/l		100
43) Isopropyl Acetate	8.195	43	153226	50.877	ug/l		100
44) Trichloroethene	8.865	130	120552	49.491	ug/l		100
45) 1,2-Dichloropropane	9.140	63	114250	49.313	ug/l		100
46) Dibromomethane	9.231	93	60782	49.642	ug/l		100
47) Bromodichloromethane	9.420	83	166333	50.291	ug/l		100
48) Methyl methacrylate	9.219	41	72602	50.709	ug/l		100
49) 1,4-Dioxane	9.231	88	14069	1001.939	ug/l		100
51) 4-Methyl-2-Pentanone	9.999	43	393979	247.835	ug/l		100
52) Toluene	10.170	92	307082	49.846	ug/l		100
53) t-1,3-Dichloropropene	10.389	75	158536	51.442	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	185696	50.849	ug/l		100
55) 1,1,2-Trichloroethane	10.572	97	79837	49.318	ug/l		100
56) Ethyl methacrylate	10.438	69	121030	51.535	ug/l		100
57) 1,3-Dichloropropane	10.713	76	146053	50.611	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	226061	228.767	ug/l		100
59) 2-Hexanone	10.761	43	261334	256.048	ug/l		100
60) Dibromochloromethane	10.908	129	110597	51.085	ug/l		100
61) 1,2-Dibromoethane	11.011	107	75811	50.346	ug/l		100
64) Tetrachloroethene	10.645	164	105939	48.065	ug/l		100
65) Chlorobenzene	11.438	112	322053	49.154	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	111060	49.571	ug/l		100
67) Ethyl Benzene	11.517	91	598896	49.546	ug/l		100
68) m/p-Xylenes	11.627	106	446771	99.408	ug/l		100
69) o-Xylene	11.956	106	210499	50.198	ug/l		100
70) Styrene	11.968	104	351858	50.222	ug/l		100
71) Bromoform	12.133	173	63198	50.171	ug/l	#	100
73) Isopropylbenzene	12.255	105	566646	49.914	ug/l		100
74) N-amyl acetate	12.072	43	138830	52.254	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	92349	50.115	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	67873m	50.656	ug/l		
77) Bromobenzene	12.529	156	123256	49.842	ug/l		100
78) n-propylbenzene	12.596	91	687319	50.251	ug/l		100
79) 2-Chlorotoluene	12.676	91	382511	49.707	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	463155	50.279	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	33360	51.816	ug/l		100
82) 4-Chlorotoluene	12.779	91	397958	49.848	ug/l		100
83) tert-Butylbenzene	12.999	119	418182	50.127	ug/l		100
84) 1,2,4-Trimethylbenzene	13.041	105	459974	50.907	ug/l		100
85) sec-Butylbenzene	13.176	105	610142	50.301	ug/l		100
86) p-Isopropyltoluene	13.291	119	509445	50.941	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	242502	49.677	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	238266	49.281	ug/l		100
89) n-Butylbenzene	13.614	91	487742	51.461	ug/l		100
90) Hexachloroethane	13.883	117	99360	50.134	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	208977	49.409	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14740	49.268	ug/l		100
93) 1,2,4-Trichlorobenzene	14.925	180	131852	51.538	ug/l		100
94) Hexachlorobutadiene	15.029	225	85490	51.117	ug/l		100
95) Naphthalene	15.145	128	229979	52.434	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	112349	51.976	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020615.D
Acq On : 17 Dec 2024 10:51
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 04:52:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

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

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

ICAL Form

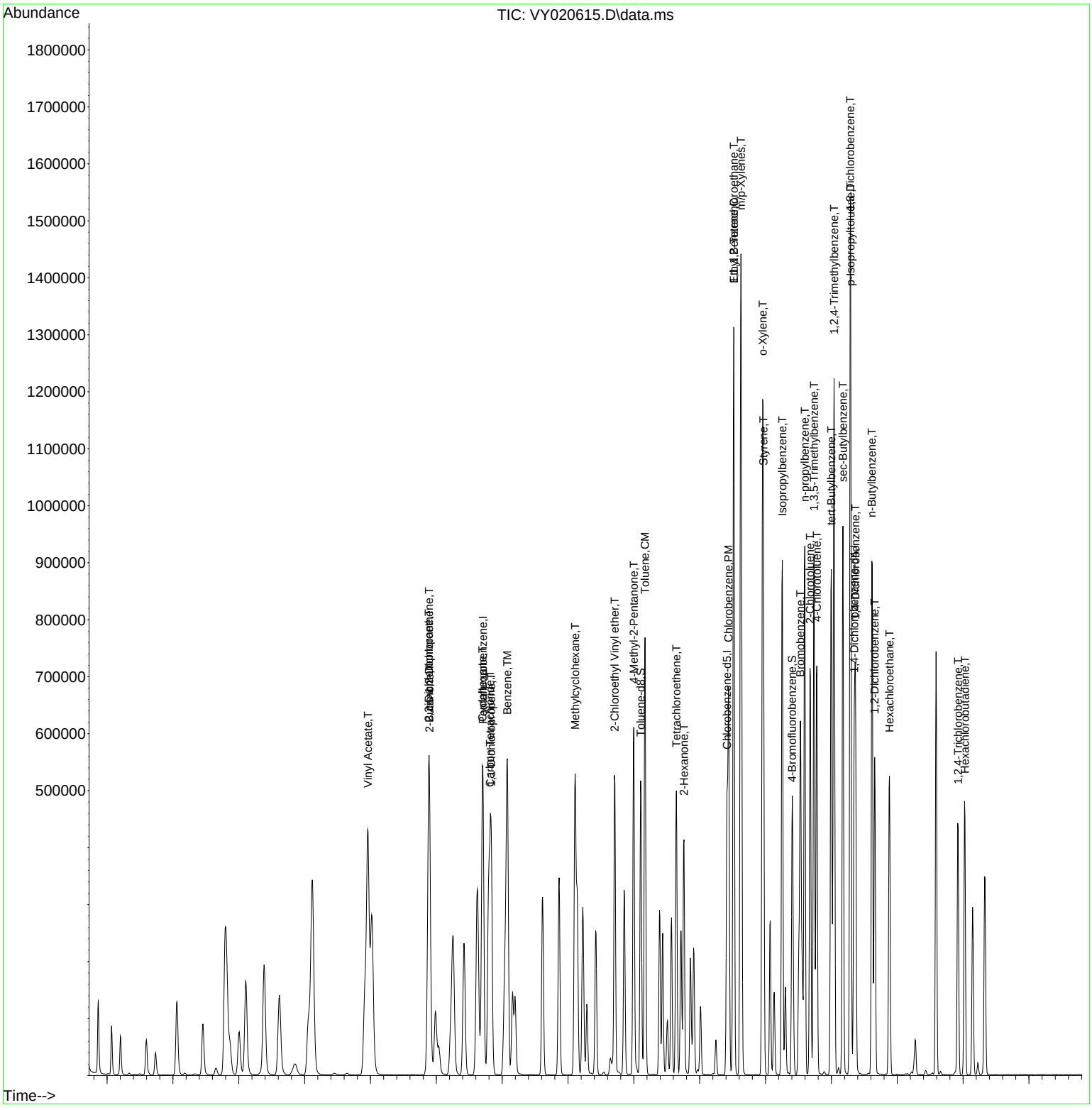
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020615.D
Acq On : 17 Dec 2024 10:51
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

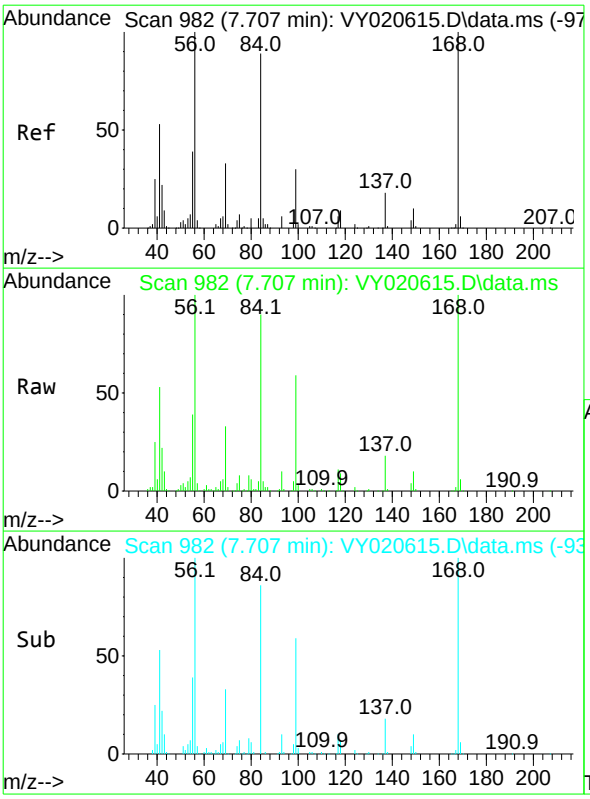
Quant Time: Dec 18 04:52:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

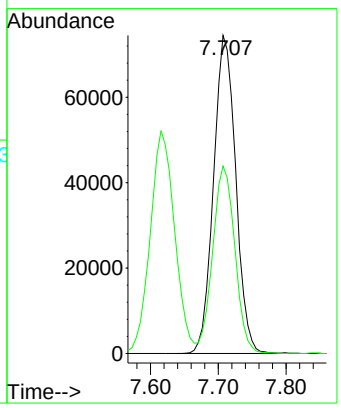




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. -0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:168 Resp: 169292

Ion	Ratio	Lower	Upper
168	100		
99	58.8	47.0	70.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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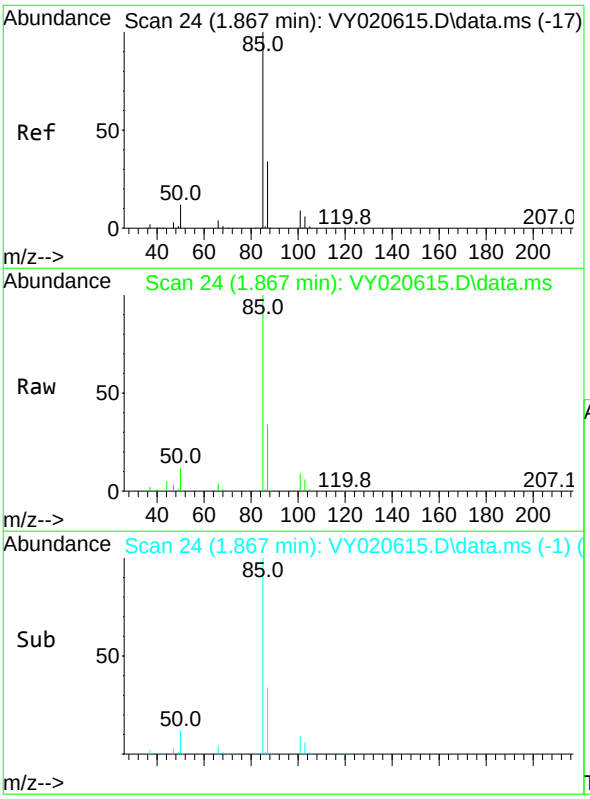
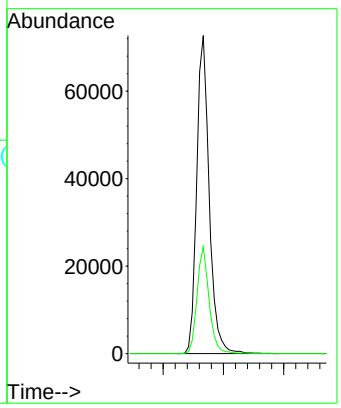
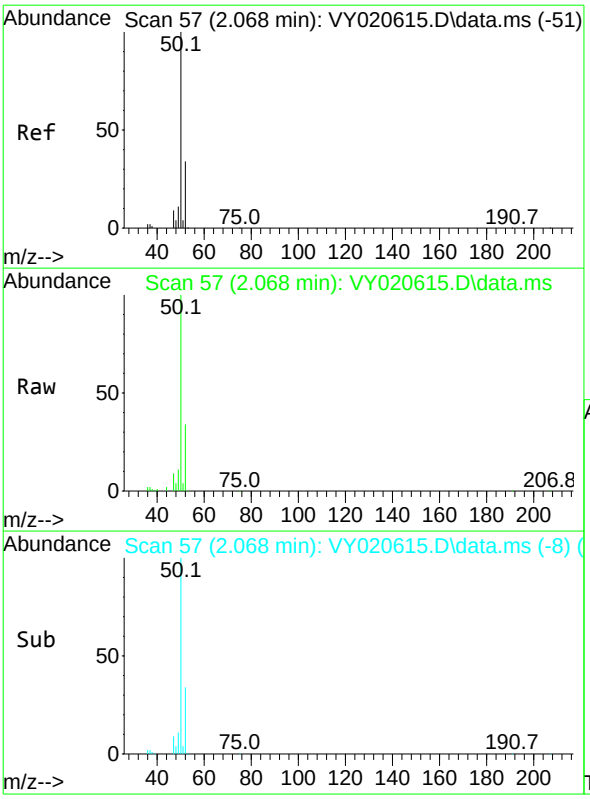


#2
Dichlorodifluoromethane
Concen: 49.416 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 85 Resp: 104493

Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.8	50.3

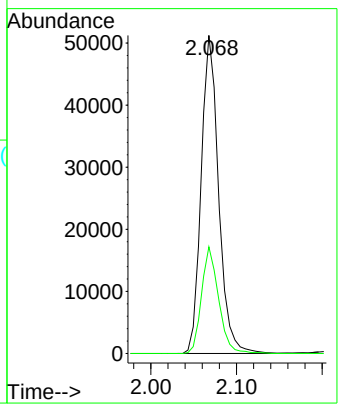




#3
Chloromethane
Concen: 46.229 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 50 Resp: 72429

Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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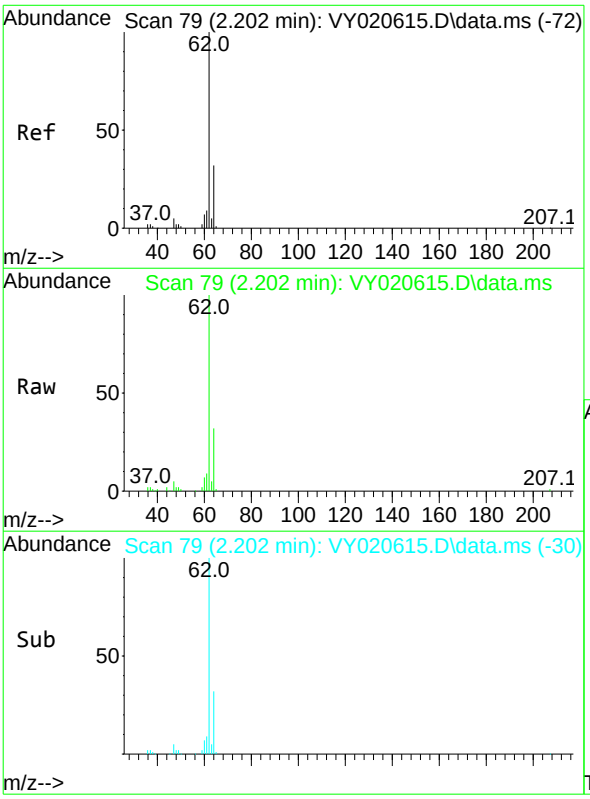
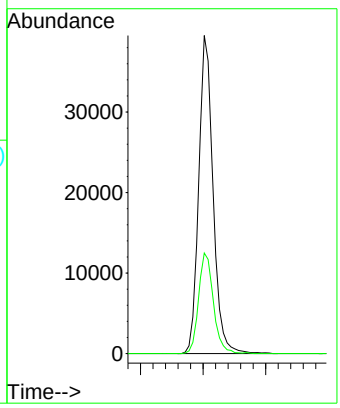
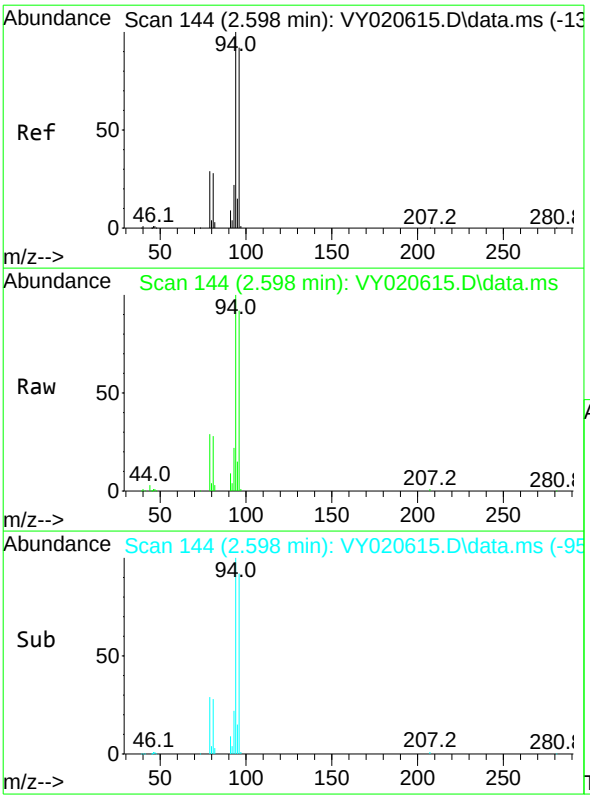


#4
Vinyl Chloride
Concen: 43.031 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 62 Resp: 62750

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.3	37.9

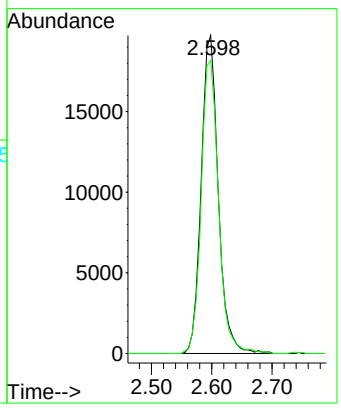




#5
Bromomethane
Concen: 41.303 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 94 Resp: 38716

Ion	Ratio	Lower	Upper
94	100		
96	92.2	73.8	110.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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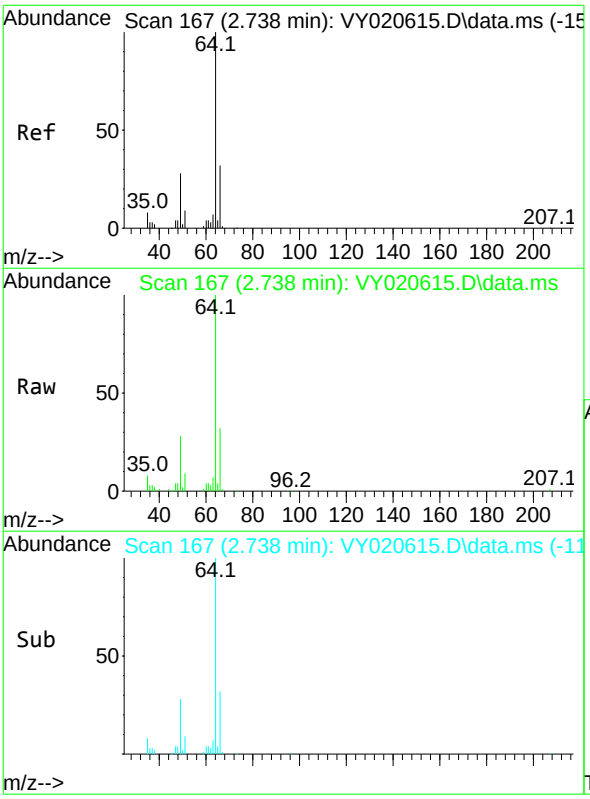
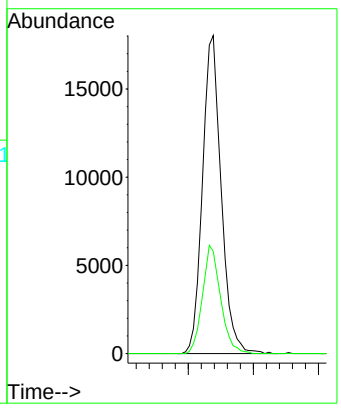
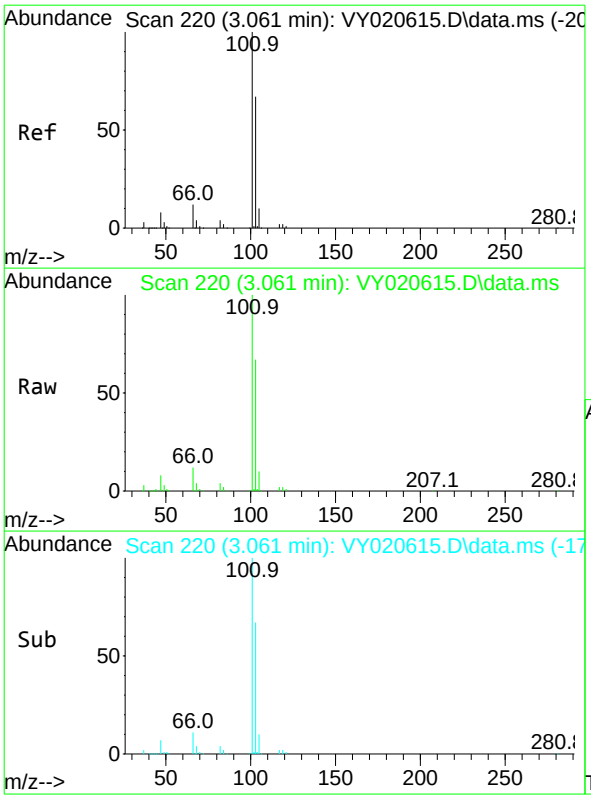


#6
Chloroethane
Concen: 39.890 ug/l
RT: 2.738 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 64 Resp: 35946

Ion	Ratio	Lower	Upper
64	100		
66	32.2	25.8	38.6

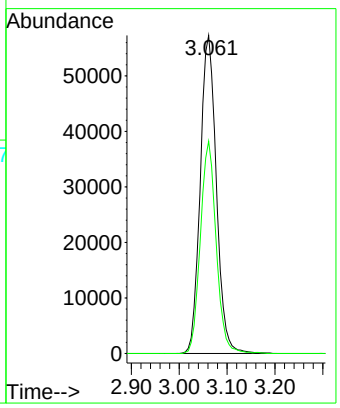




#7
Trichlorofluoromethane
Concen: 43.913 ug/l
RT: 3.061 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:101 Resp: 133990

Ion	Ratio	Lower	Upper
101	100		
103	66.7	53.4	80.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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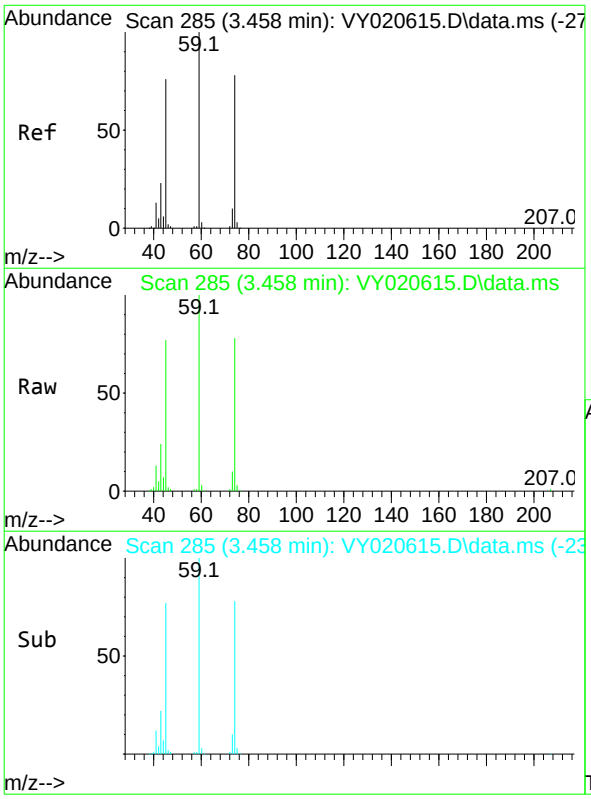
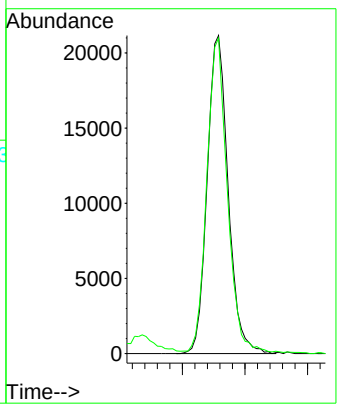
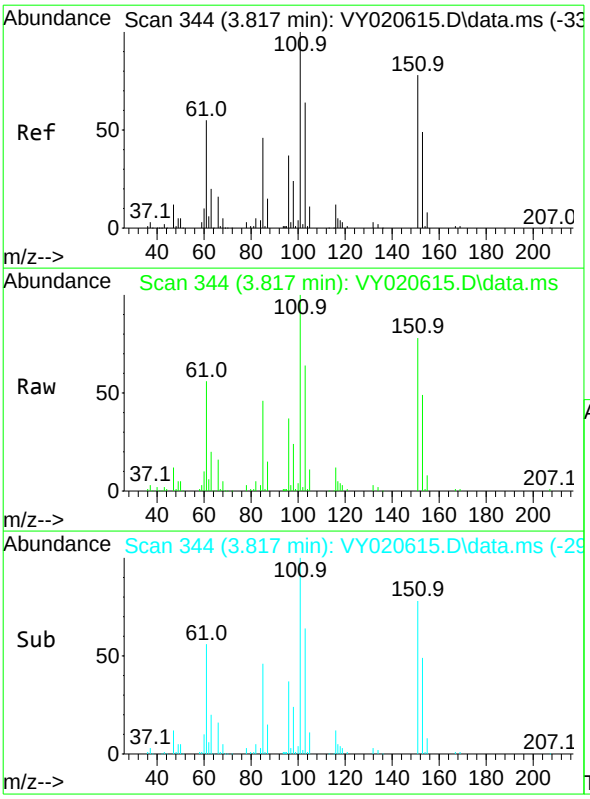


#8
Diethyl Ether
Concen: 45.993 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 74 Resp: 49218

Ion	Ratio	Lower	Upper
74	100		
45	98.1	49.0	147.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.710 ug/l
RT: 3.817 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 102158

Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.6	54.8
151	76.9	61.5	92.3

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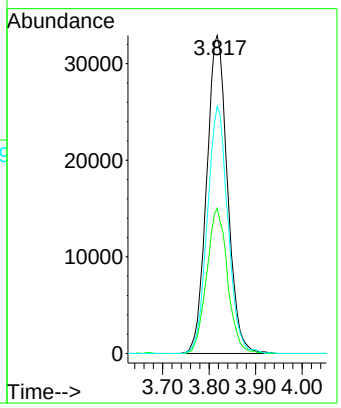
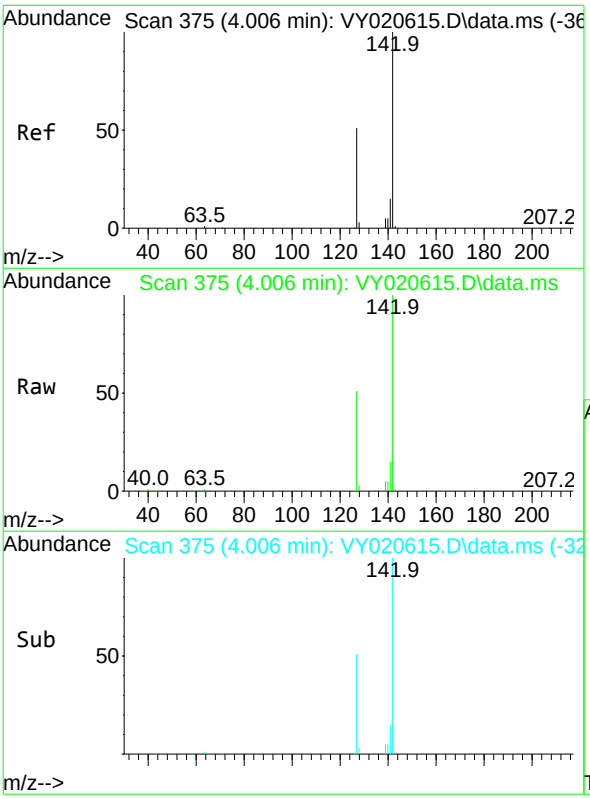
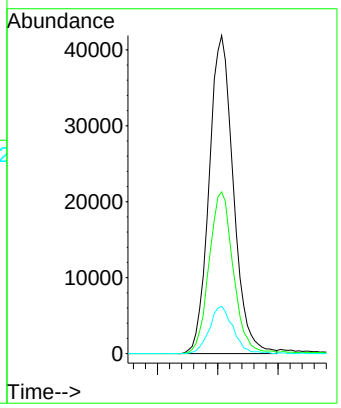


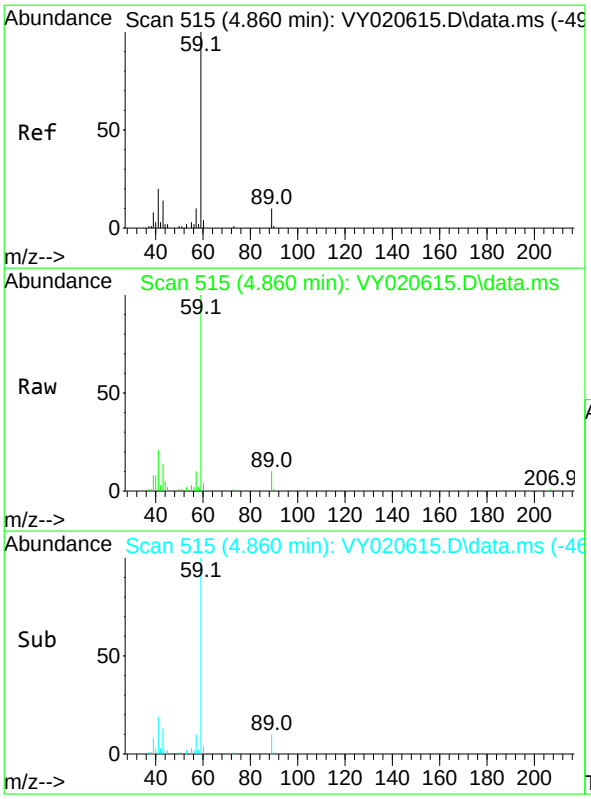


#10
Methyl Iodide
Concen: 48.135 ug/l
RT: 4.006 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:142 Resp: 117209

Ion	Ratio	Lower	Upper
142	100		
127	50.8	40.6	61.0
141	14.6	11.7	17.5

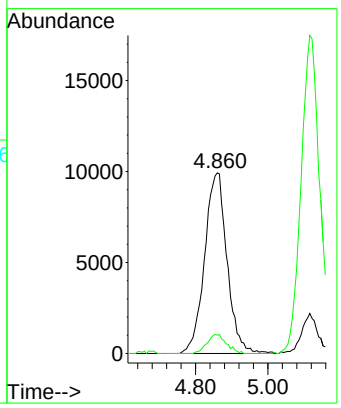




#11
Tert butyl alcohol
Concen: 214.068 ug/l
RT: 4.860 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 59 Resp: 42756

Ion	Ratio	Lower	Upper
59	100		
57	9.2	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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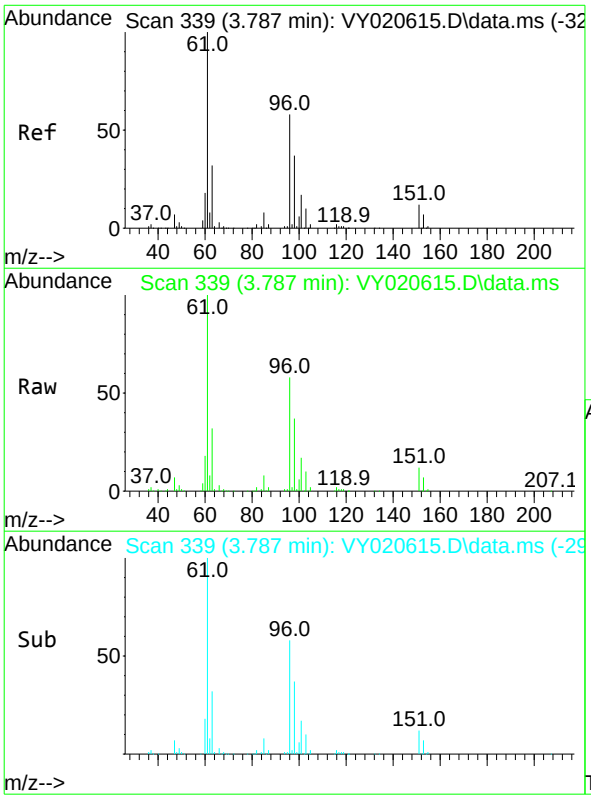
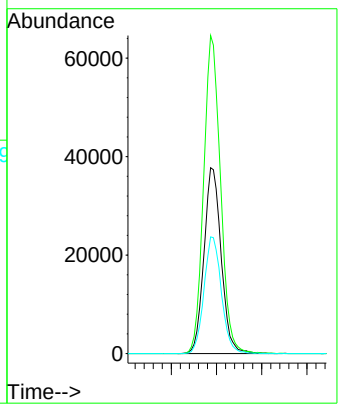
Supervised By :Semsettin Yesilyurt 12/18/2024

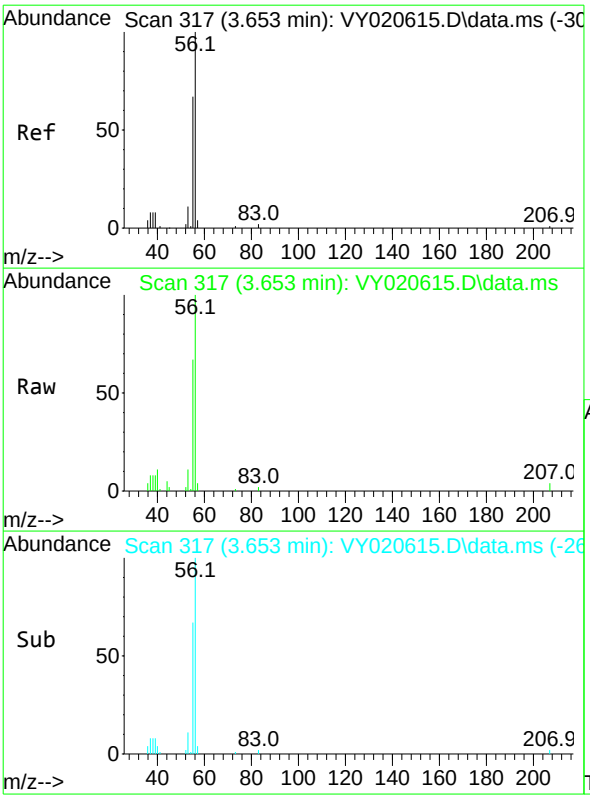


#12
1,1-Dichloroethene
Concen: 47.016 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 96 Resp: 99773

Ion	Ratio	Lower	Upper
96	100		
61	171.1	136.9	205.3
98	62.8	50.2	75.4

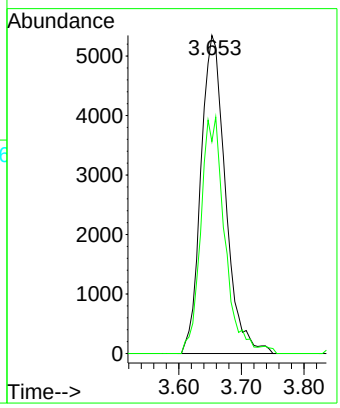




#13
Acrolein
Concen: 166.258 ug/l
RT: 3.653 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 56 Resp: 14576

Ion	Ratio	Lower	Upper
56	100		
55	71.9	57.5	86.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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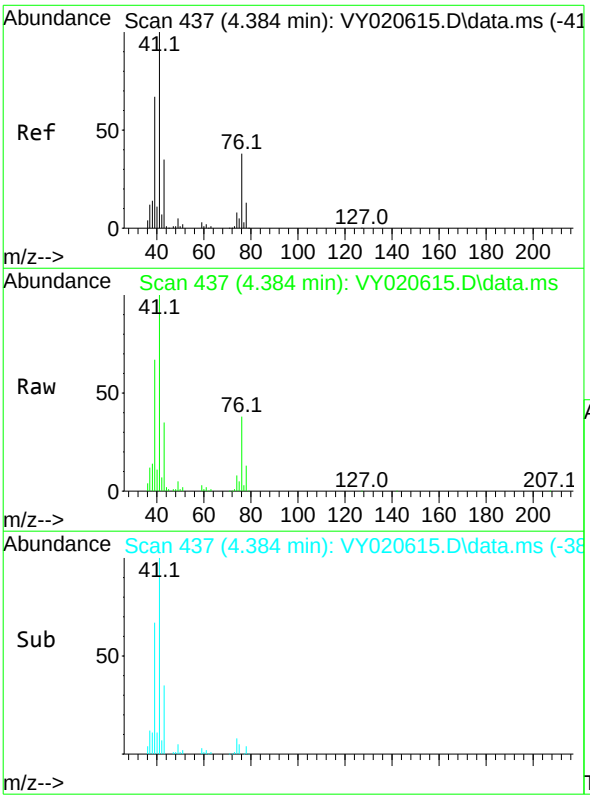
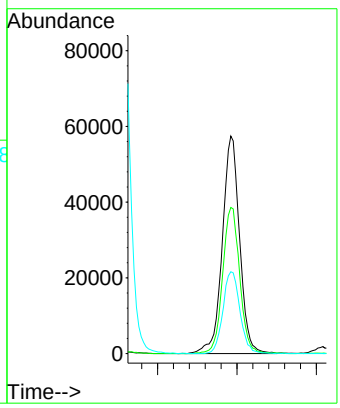
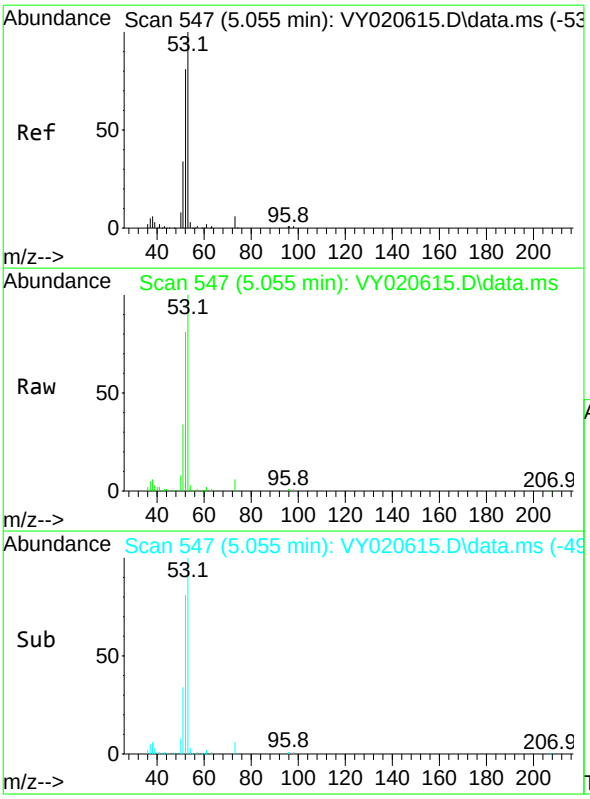


#14
Allyl chloride
Concen: 46.780 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 41 Resp: 173951

Ion	Ratio	Lower	Upper
41	100		
39	66.2	53.0	79.4
76	36.9	29.5	44.3

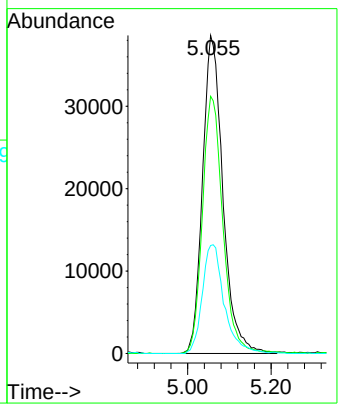




#15
Acrylonitrile
Concen: 255.615 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 53 Resp: 130861

Ion	Ratio	Lower	Upper
53	100		
52	80.6	64.5	96.7
51	36.7	29.4	44.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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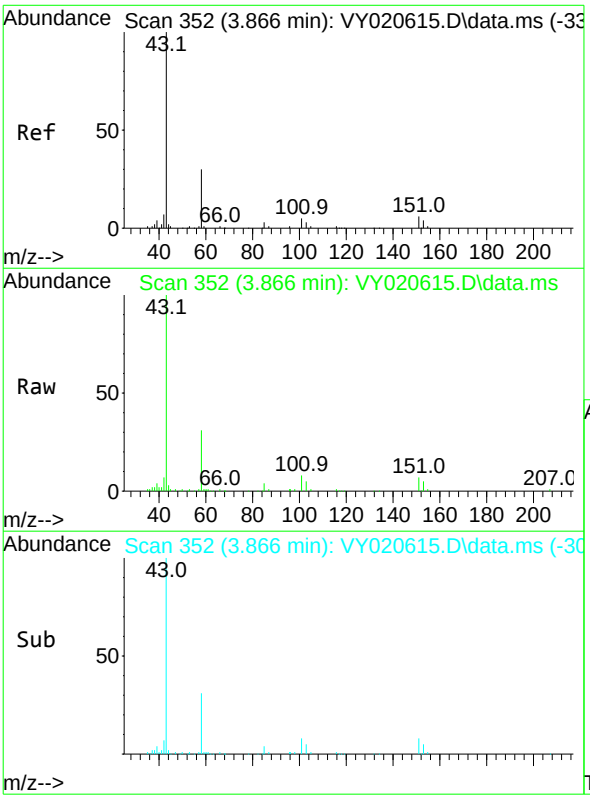
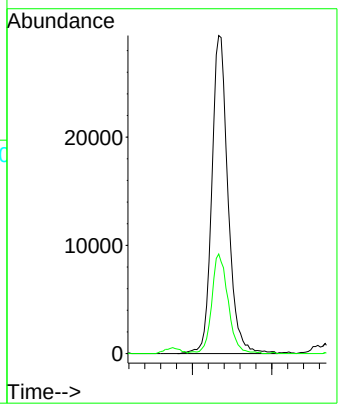
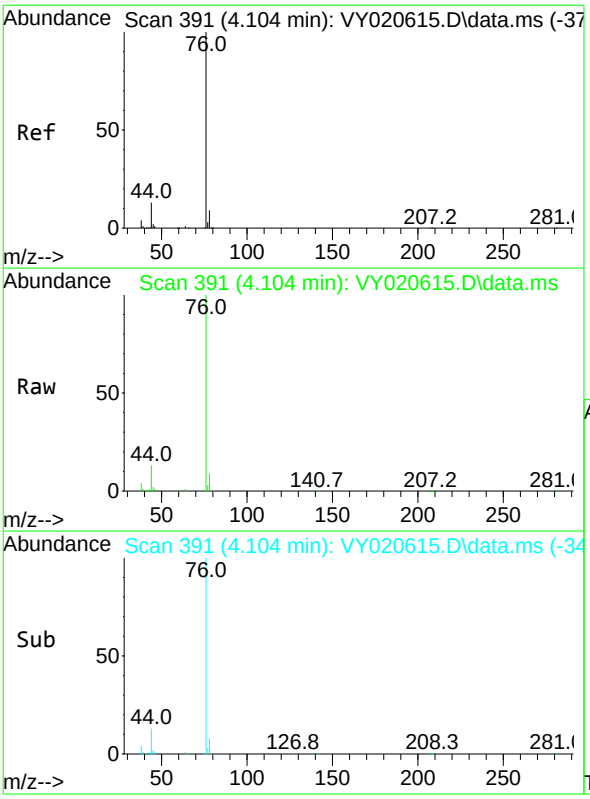


#16
Acetone
Concen: 225.255 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 43 Resp: 83206

Ion	Ratio	Lower	Upper
43	100		
58	31.3	25.0	37.6

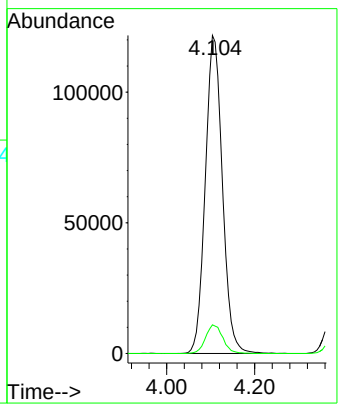




#17
Carbon Disulfide
Concen: 47.529 ug/l
RT: 4.104 min Scan# 39
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 76 Resp: 328309

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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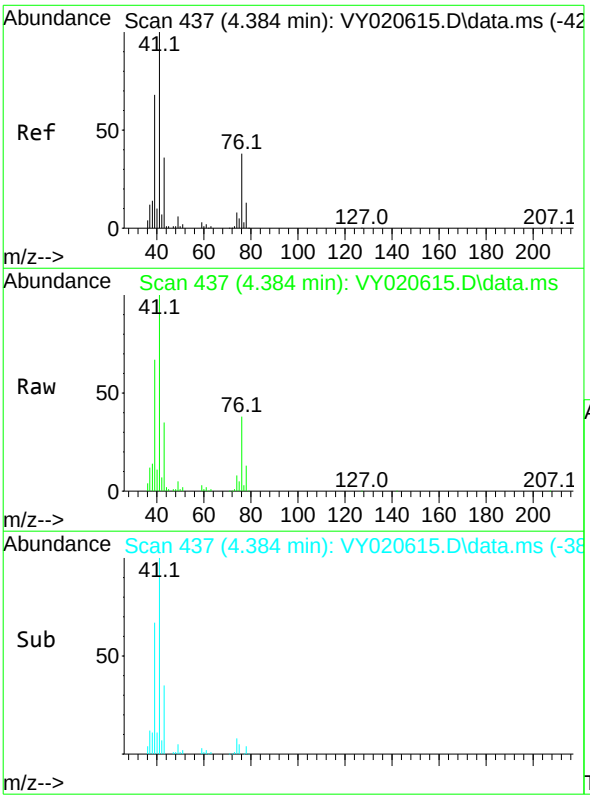
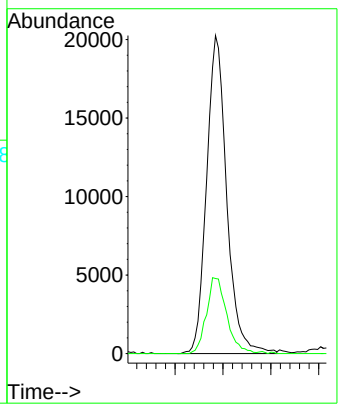
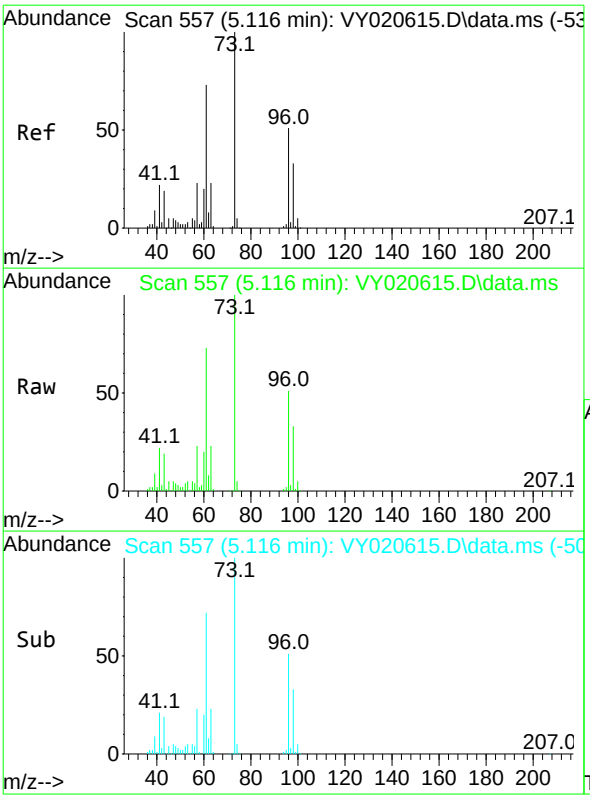


#18
Methyl Acetate
Concen: 46.948 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 43 Resp: 59224

Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.2	28.8

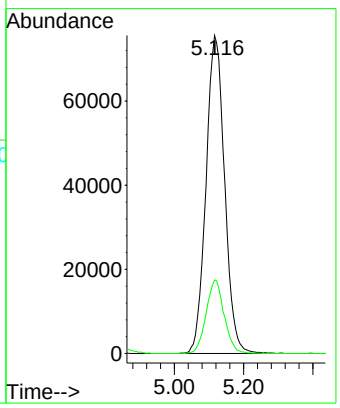




#19
Methyl tert-butyl Ether
Concen: 51.414 ug/l
RT: 5.116 min Scan# 55
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 73 Resp: 281609

Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.5	27.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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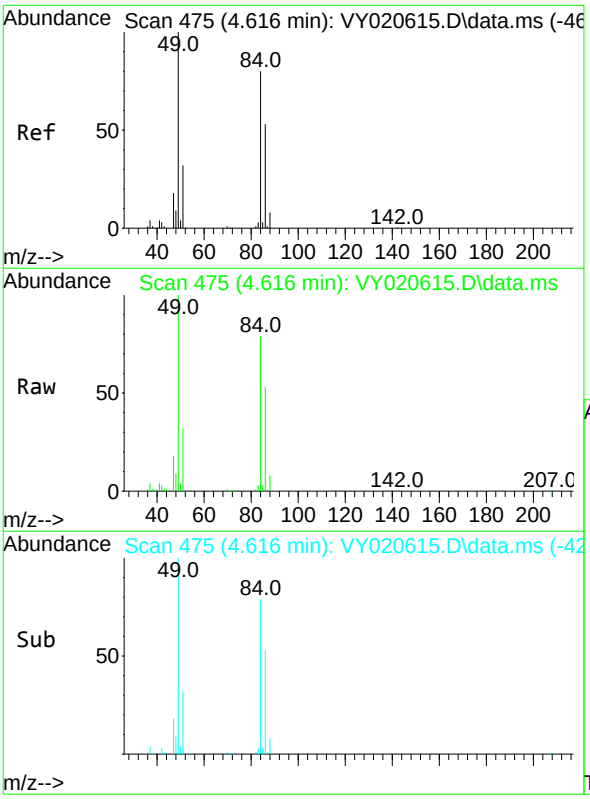
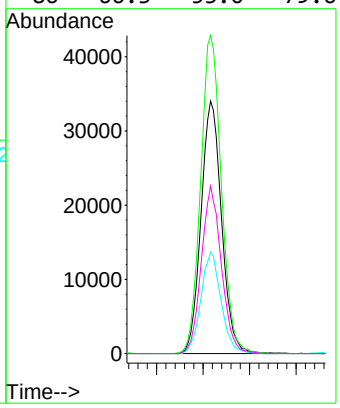
Supervised By :Semsettin Yesilyurt 12/18/2024

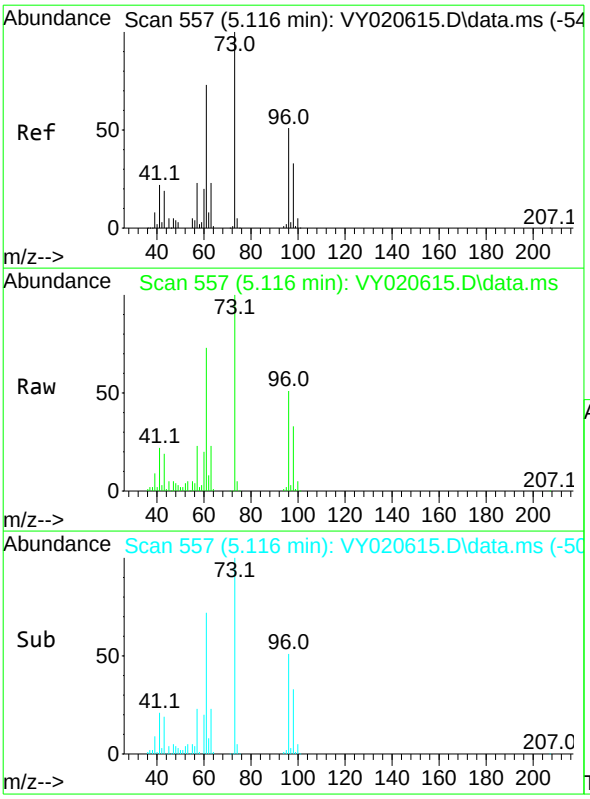


#20
Methylene Chloride
Concen: 45.319 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 84 Resp: 104472

Ion	Ratio	Lower	Upper
84	100		
49	125.9	100.7	151.1
51	40.2	32.2	48.2
86	66.3	53.0	79.6

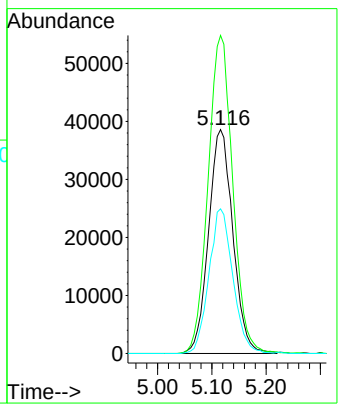




#21
trans-1,2-Dichloroethene
Concen: 50.488 ug/l
RT: 5.116 min Scan# 55
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 96 Resp: 120184

Ion	Ratio	Lower	Upper
96	100		
61	142.1	113.7	170.5
98	64.6	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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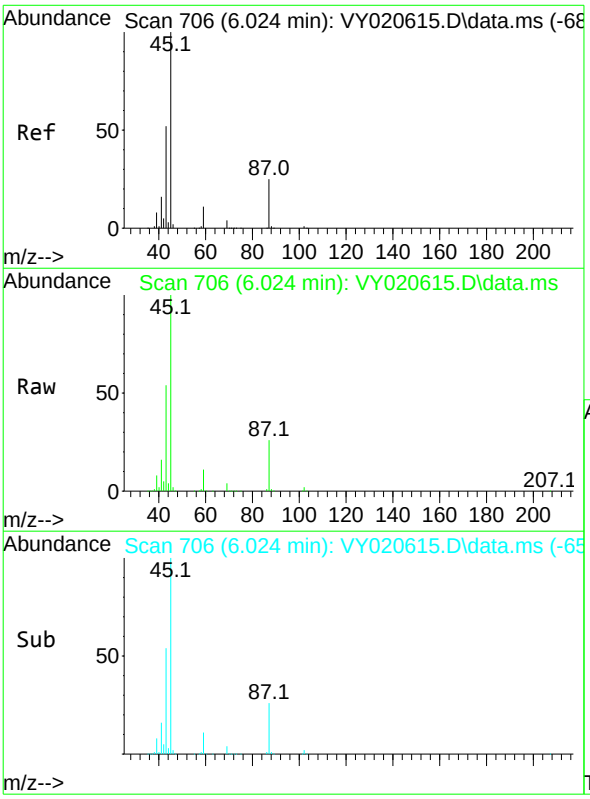
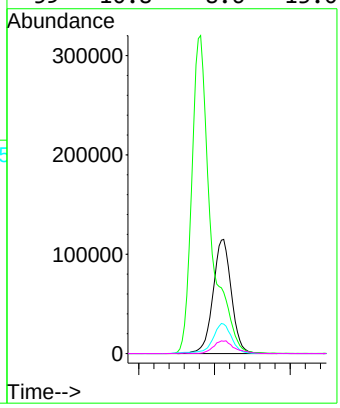
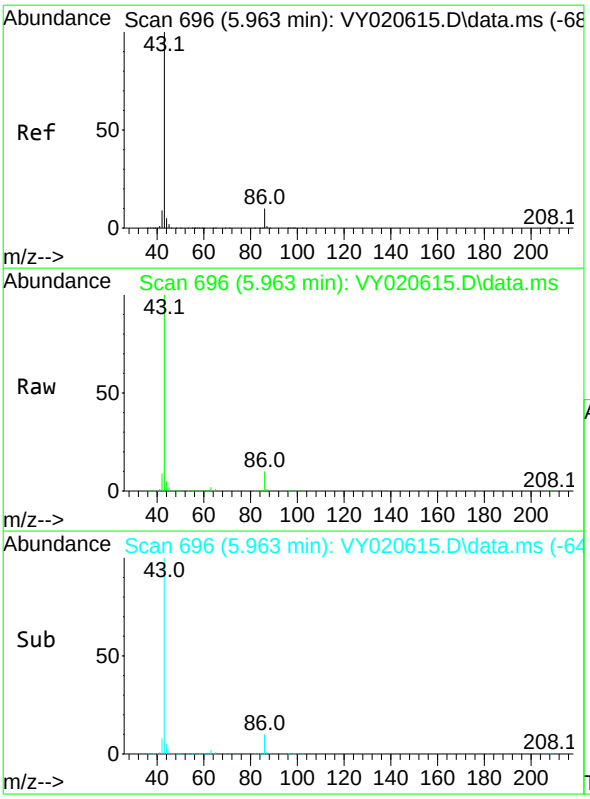


#22
Diisopropyl ether
Concen: 51.282 ug/l
RT: 6.024 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 45 Resp: 387073

Ion	Ratio	Lower	Upper
45	100		
43	53.3	42.6	64.0
87	25.8	20.6	31.0
59	10.8	8.6	13.0





#23
Vinyl Acetate
Concen: 260.208 ug/l
RT: 5.963 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 43 Resp: 1112368

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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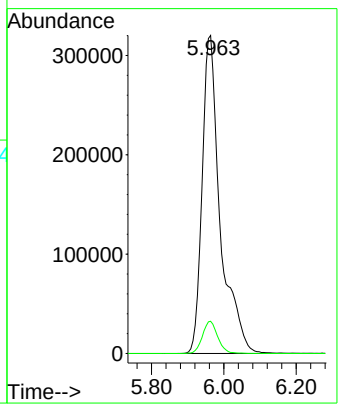
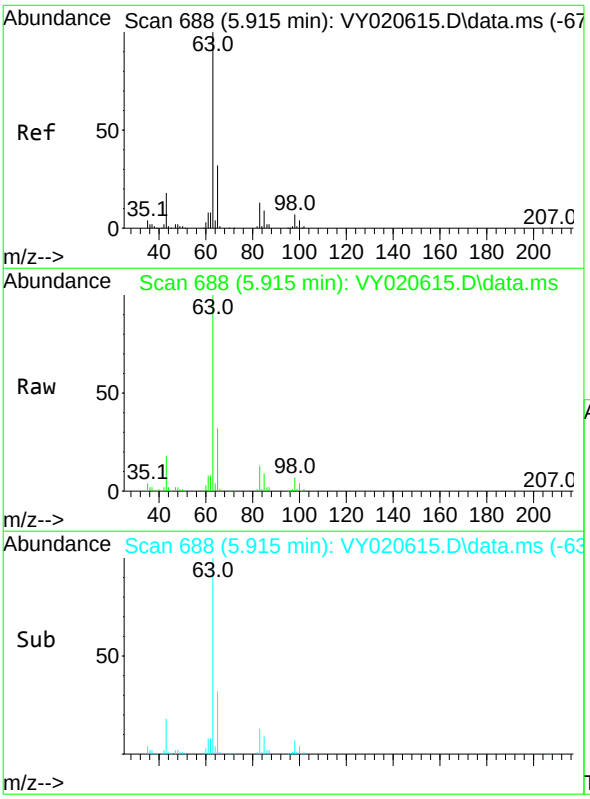
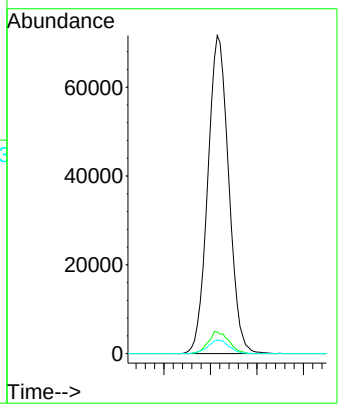


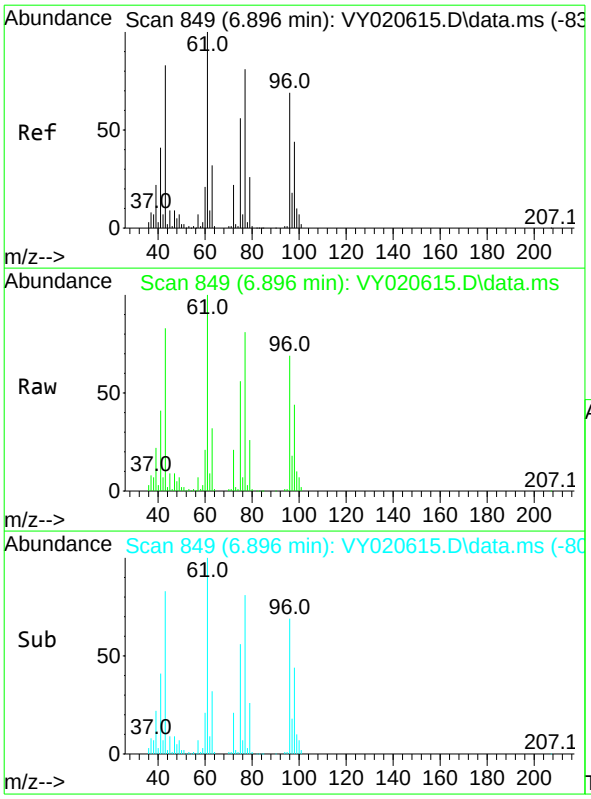


#24
1,1-Dichloroethane
Concen: 50.635 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 63 Resp: 223898

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.1
100	4.3	2.1	6.5

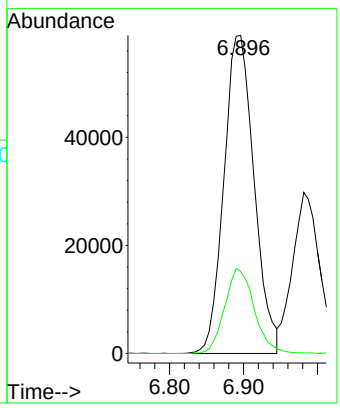




#25
2-Butanone
Concen: 242.593 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 43 Resp: 167158

Ion	Ratio	Lower	Upper
43	100		
72	25.8	20.6	31.0



Instrument :
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ClientSampleId :
VSTDICCC050

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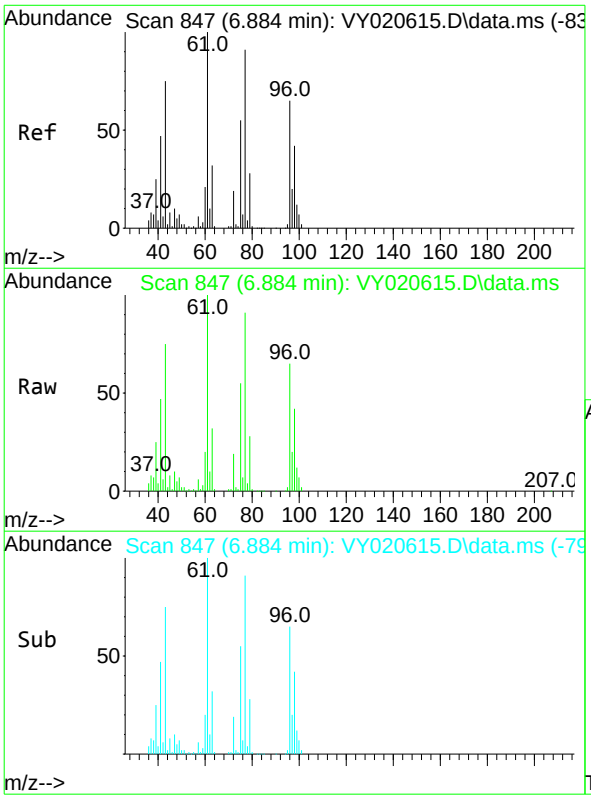
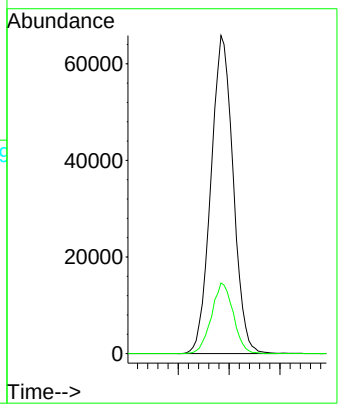
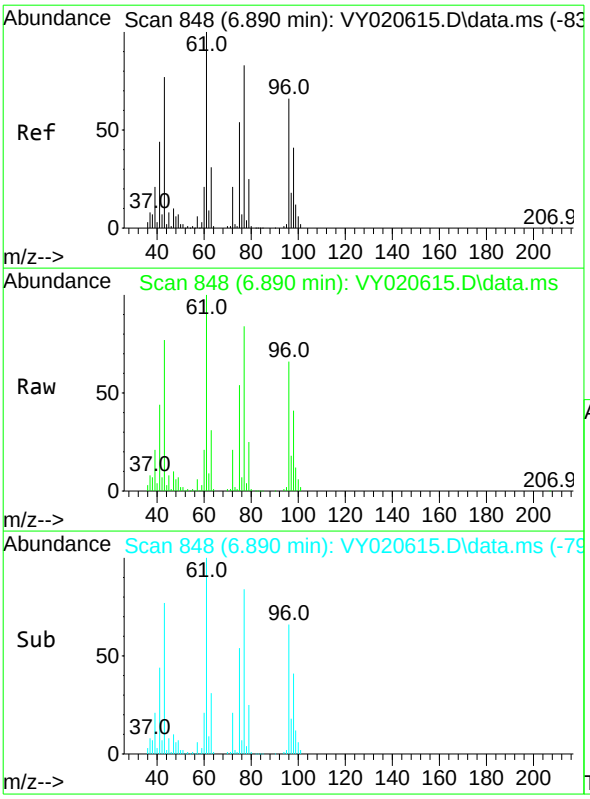


#26
2,2-Dichloropropane
Concen: 47.951 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 77 Resp: 200438

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.9	32.6

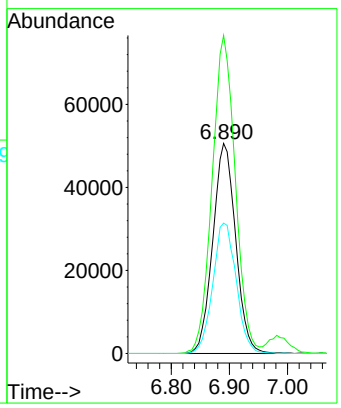




#27
cis-1,2-Dichloroethene
Concen: 50.490 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 96 Resp: 138280

Ion	Ratio	Lower	Upper
96	100		
61	153.1	0.0	306.2
98	63.6	0.0	127.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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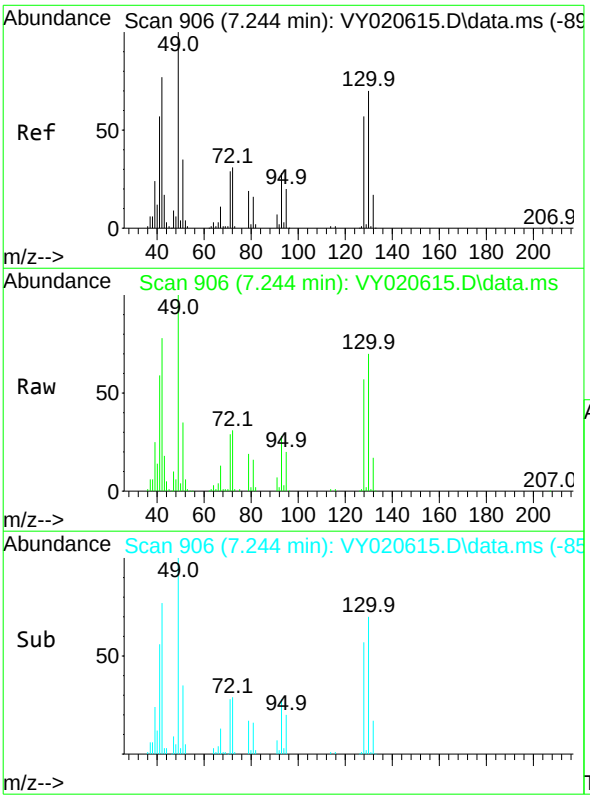
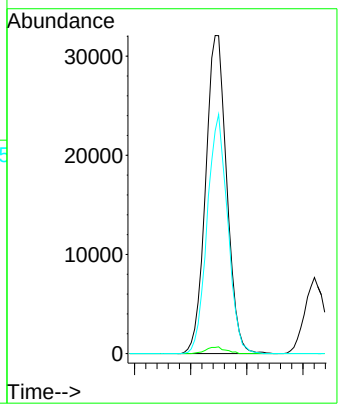
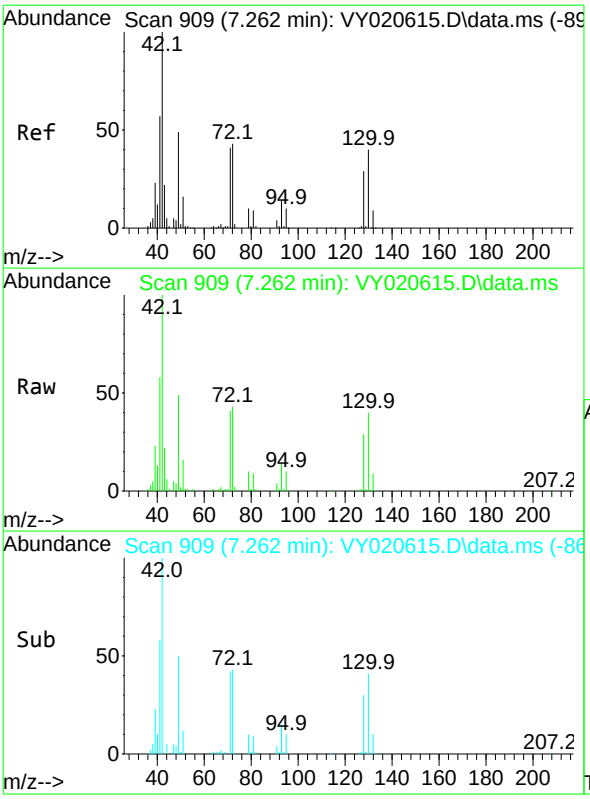


#28
Bromochloromethane
Concen: 56.199 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 49 Resp: 83821

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	72.9	58.3	87.5

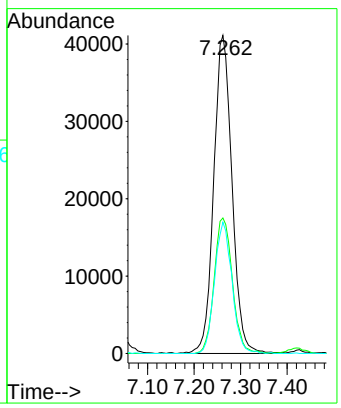




#29
Tetrahydrofuran
Concen: 258.011 ug/l
RT: 7.262 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 42 Resp: 112230

Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.0	51.0
71	39.5	31.6	47.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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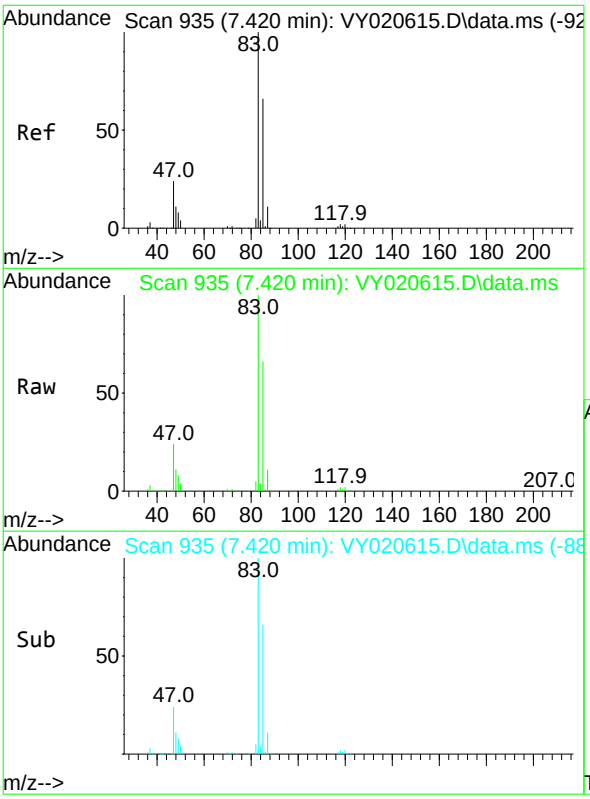
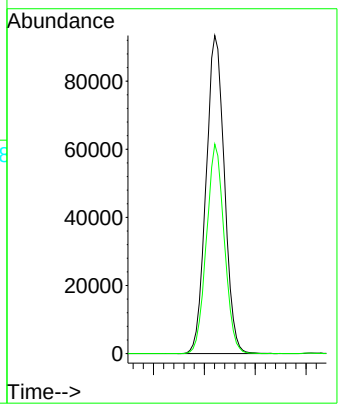
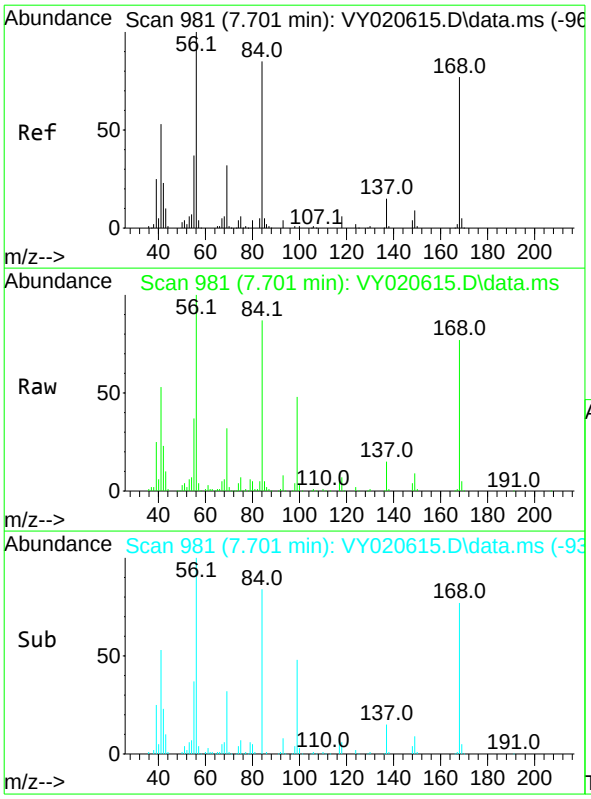


#30
Chloroform
Concen: 52.860 ug/l
RT: 7.420 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 83 Resp: 233357

Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.7	79.1





#31
Cyclohexane
Concen: 47.962 ug/l
RT: 7.701 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 56 Resp: 202782

Ion	Ratio	Lower	Upper
56	100		
69	31.7	25.4	38.0
84	85.4	68.3	102.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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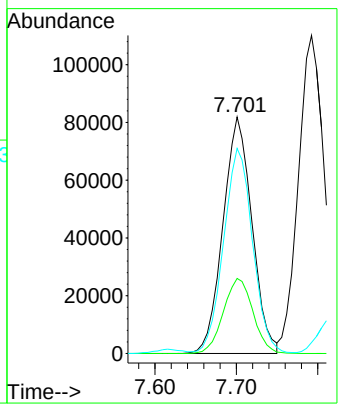
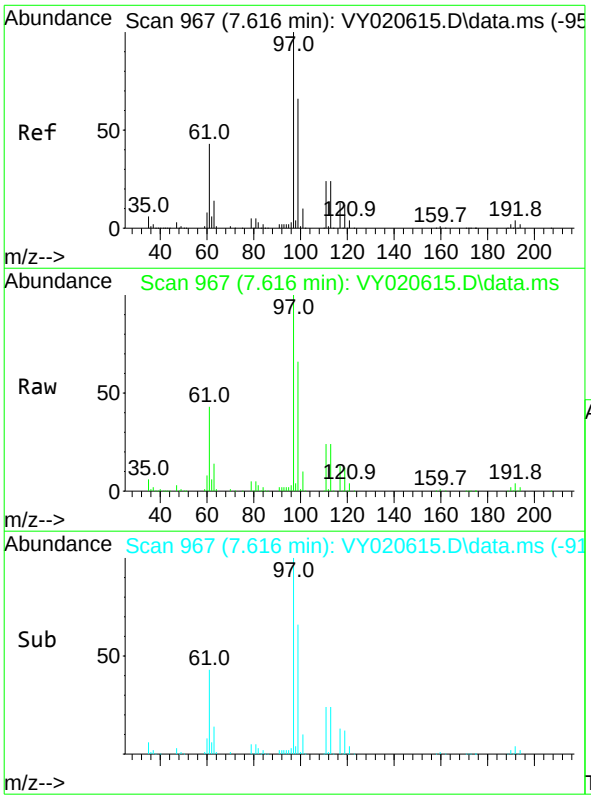
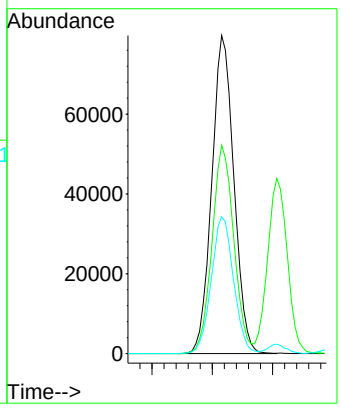


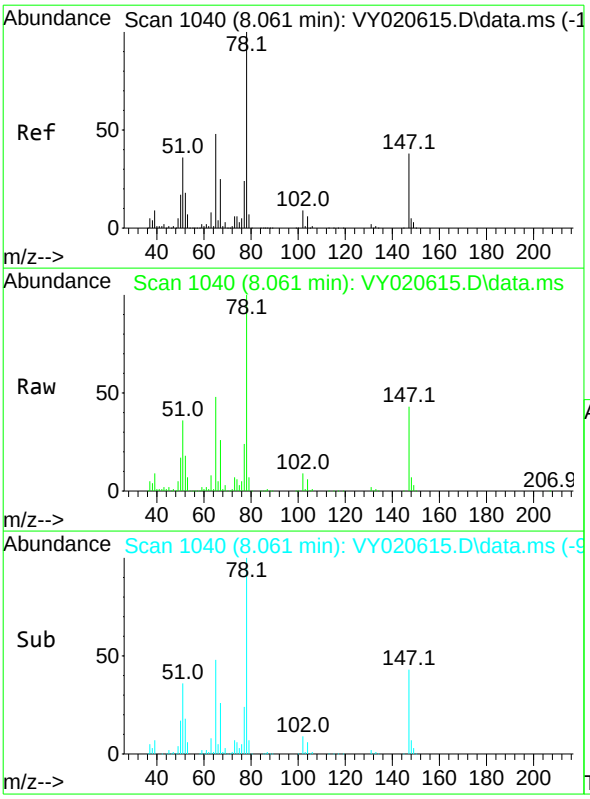


#32
1,1,1-Trichloroethane
Concen: 49.911 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 97 Resp: 202760

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	43.4	34.7	52.1

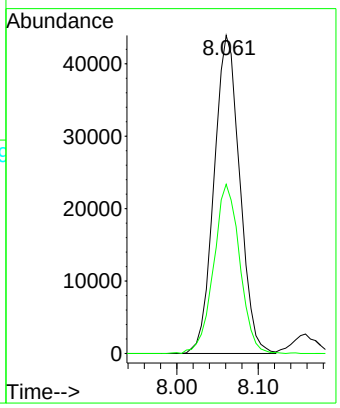




#33
1,2-Dichloroethane-d4
Concen: 51.933 ug/l
RT: 8.061 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 65 Resp: 96289

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	108.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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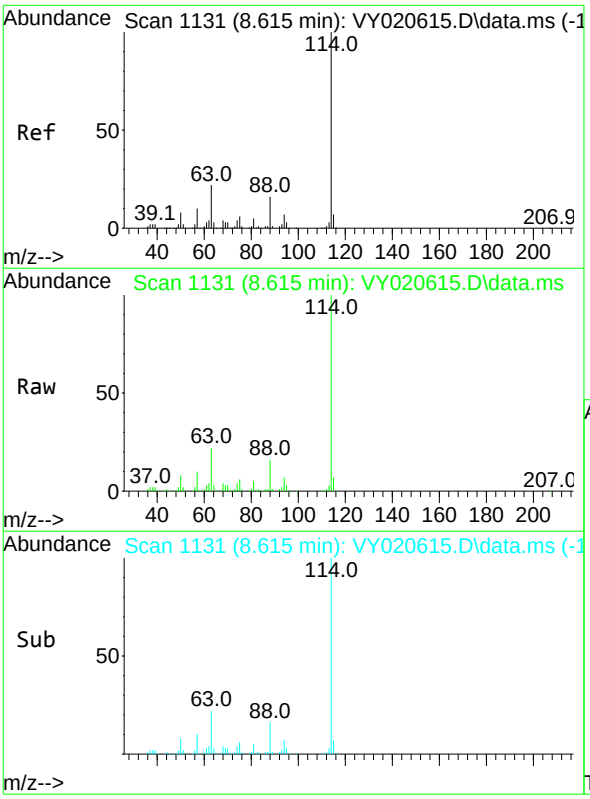
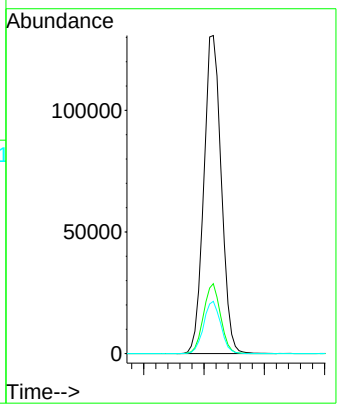
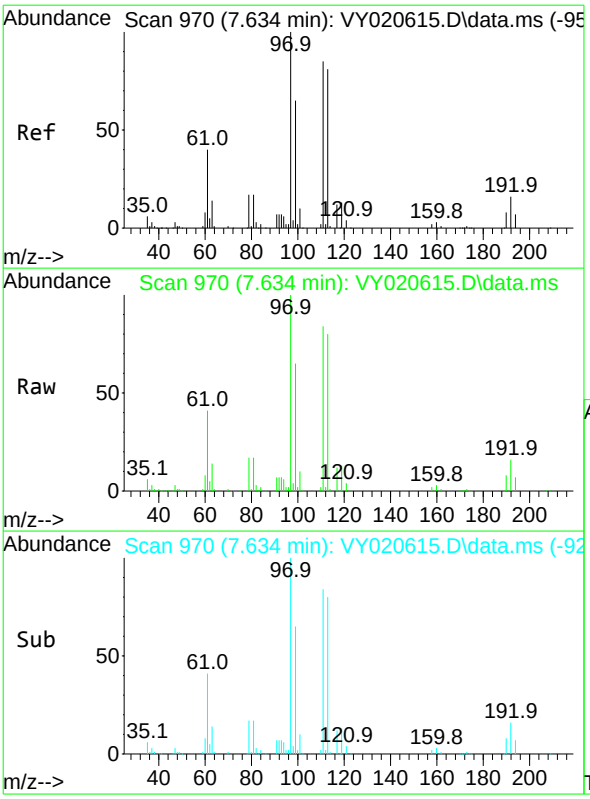


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:114 Resp: 263162

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	16.4	0.0	32.8





#35
Dibromofluoromethane
Concen: 51.139 ug/l
RT: 7.634 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:113 Resp: 94848

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.9	124.3
192	19.6	15.7	23.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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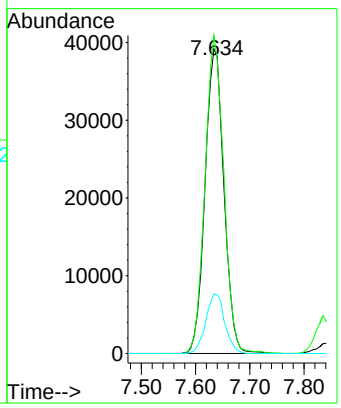
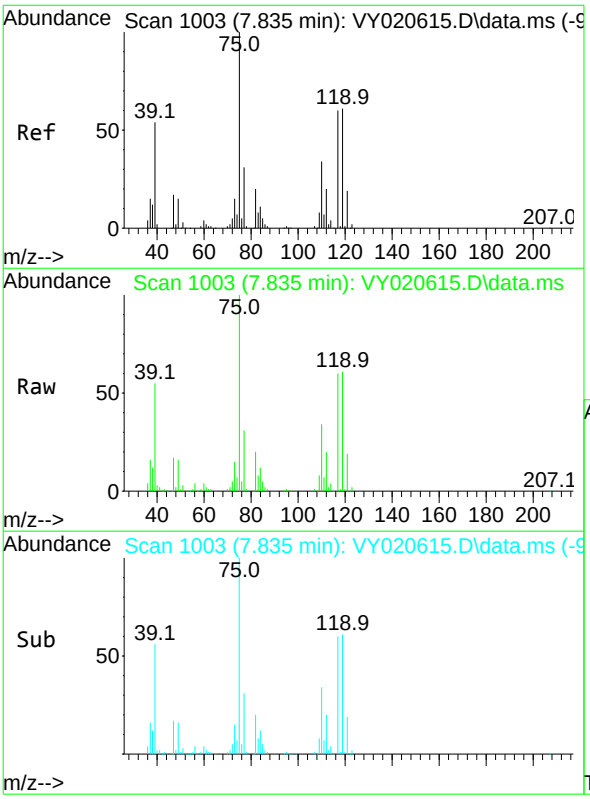
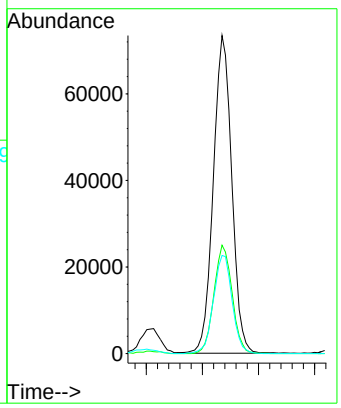


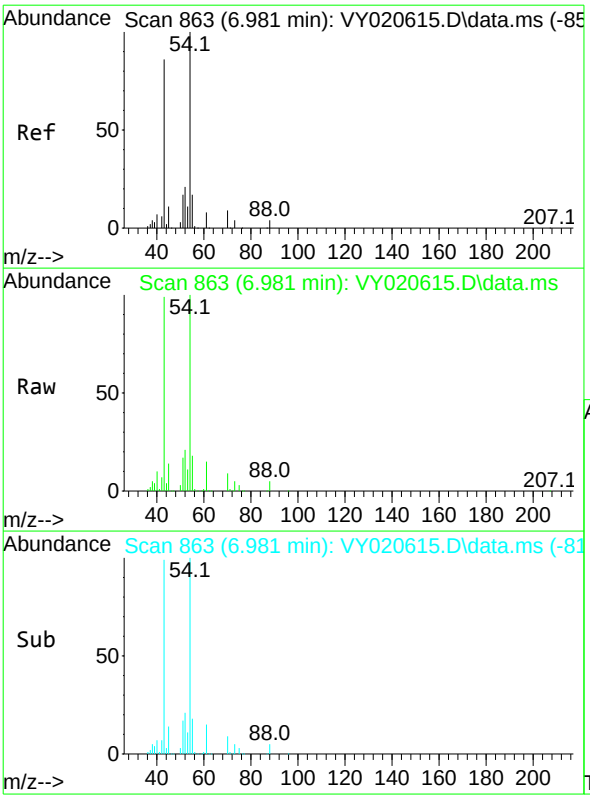


#36
1,1-Dichloropropene
Concen: 49.533 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 75 Resp: 167520

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.8	50.4
77	31.3	25.0	37.6

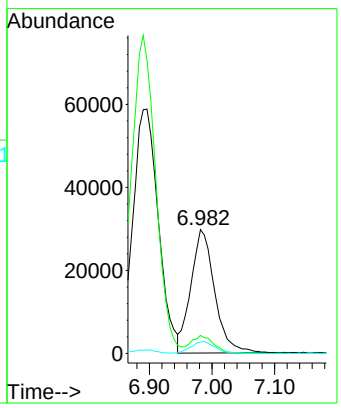




#37
Ethyl Acetate
Concen: 49.275 ug/l
RT: 6.981 min Scan# 86
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 43 Resp: 78387

Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	9.9	7.9	11.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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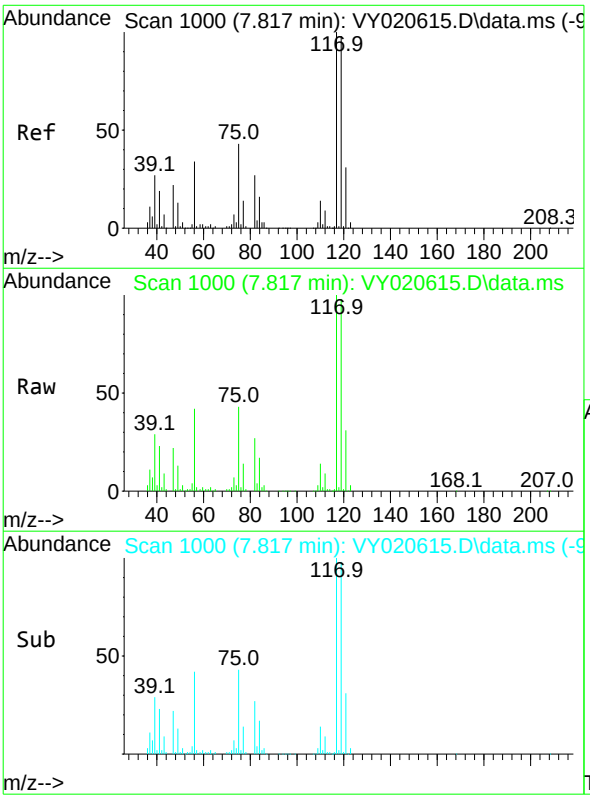
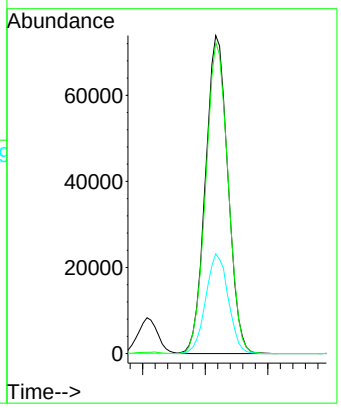
Supervised By :Semsettin Yesilyurt 12/18/2024

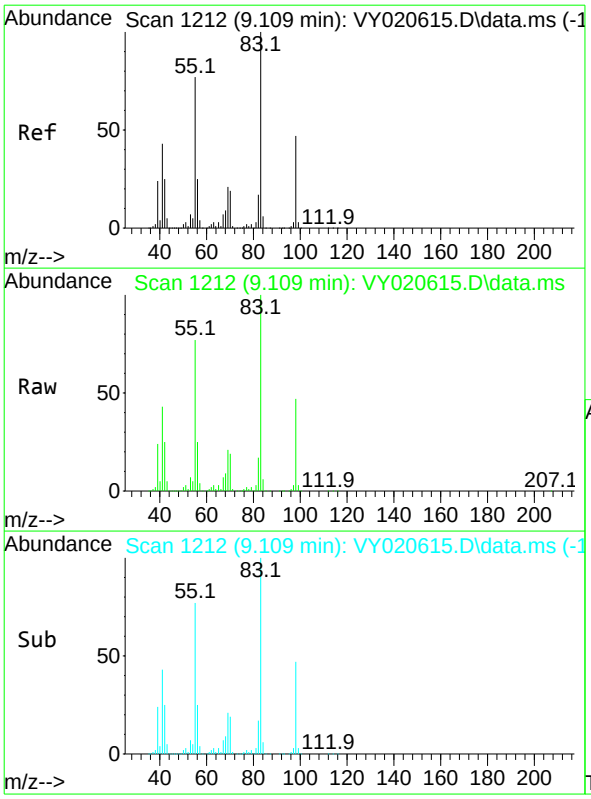


#38
Carbon Tetrachloride
Concen: 49.267 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:117 Resp: 184345

Ion	Ratio	Lower	Upper
117	100		
119	97.9	78.3	117.5
121	31.4	25.1	37.7





#39
Methylcyclohexane
Concen: 49.696 ug/l
RT: 9.109 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 83 Resp: 219055

Ion	Ratio	Lower	Upper
83	100		
55	76.7	61.4	92.0
98	46.6	37.3	55.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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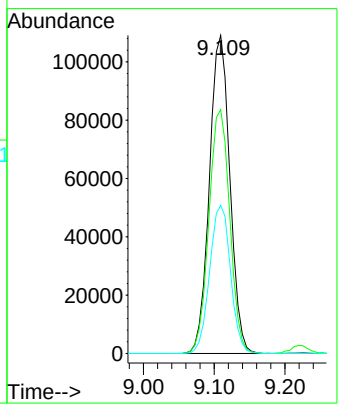
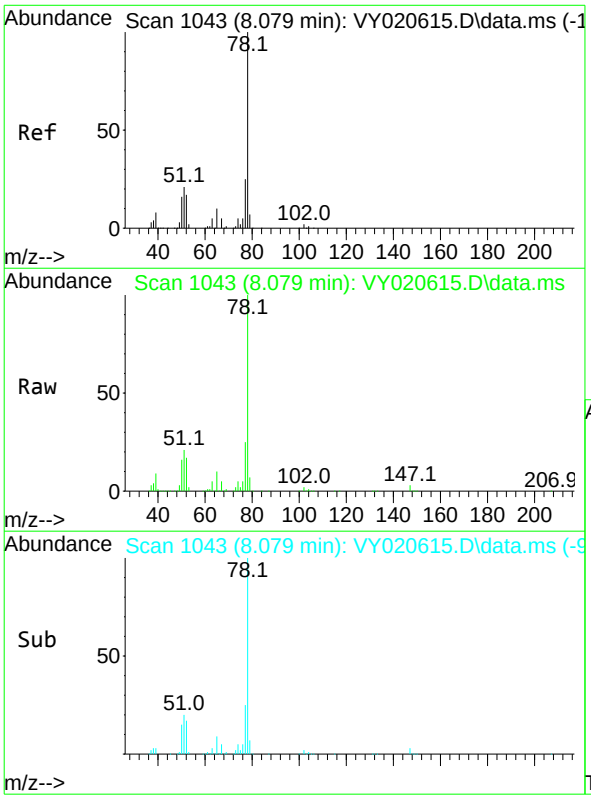
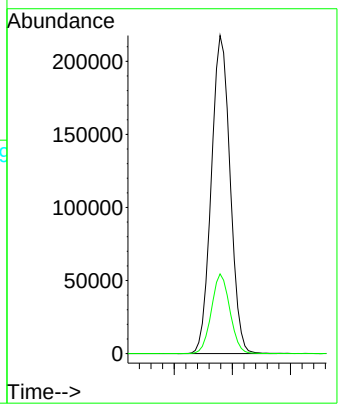


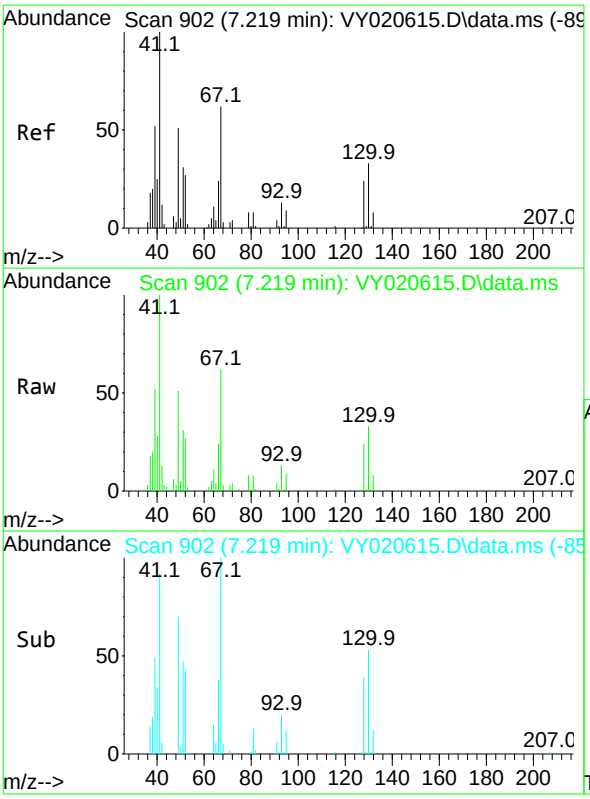


#40
Benzene
Concen: 49.343 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 78 Resp: 489140

Ion	Ratio	Lower	Upper
78	100		
77	25.1	20.1	30.1

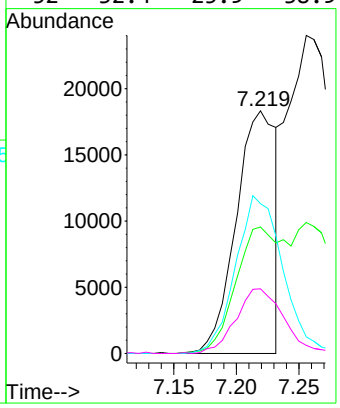




#41
Methacrylonitrile
Concen: 48.191 ug/l
RT: 7.219 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 41 Resp: 40529

Ion	Ratio	Lower	Upper
41	100		
39	67.0	53.6	80.4
67	77.5	62.0	93.0
52	32.4	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
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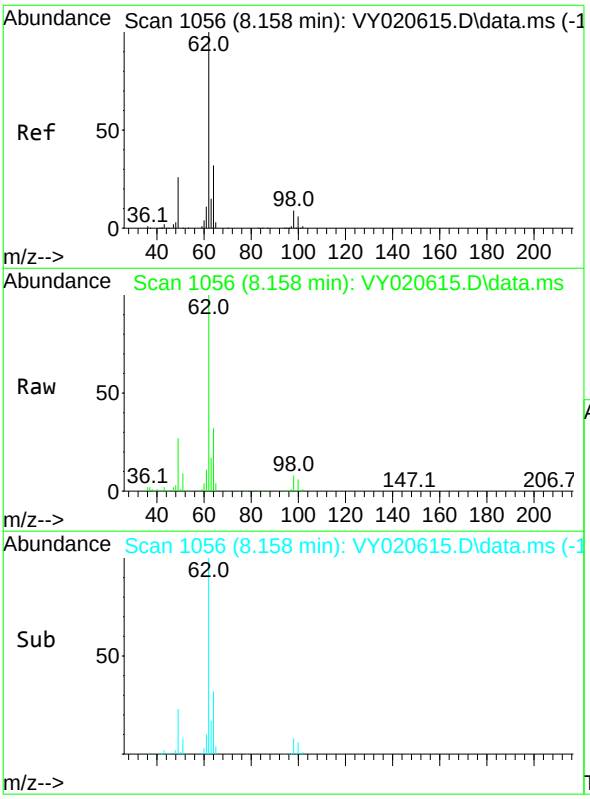
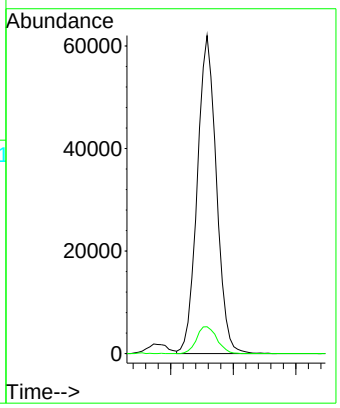
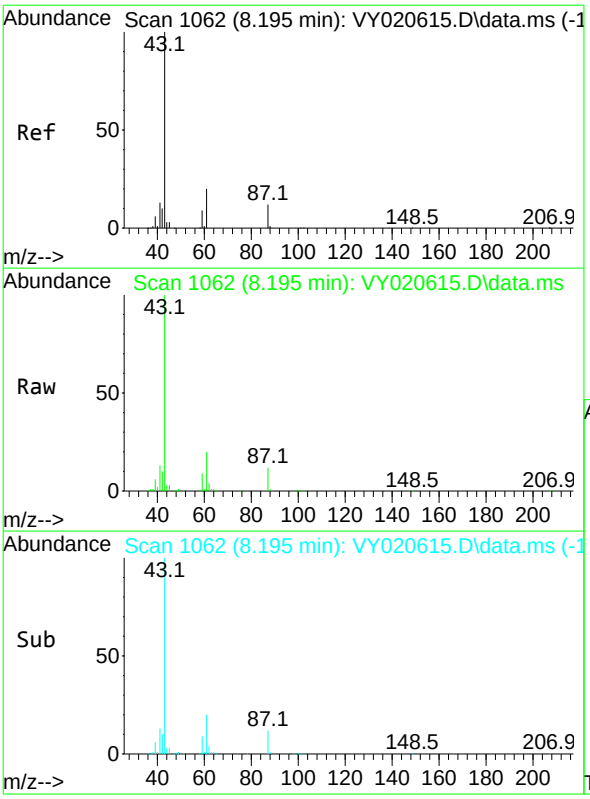


#42
1,2-Dichloroethane
Concen: 50.069 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 62 Resp: 131640

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.0

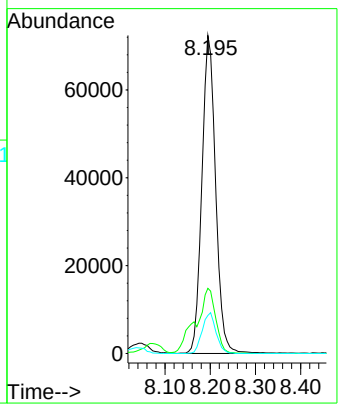




#43
Isopropyl Acetate
Concen: 50.877 ug/l
RT: 8.195 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 43 Resp: 153226

Ion	Ratio	Lower	Upper
43	100		
61	29.7	23.8	35.6
87	12.8	10.2	15.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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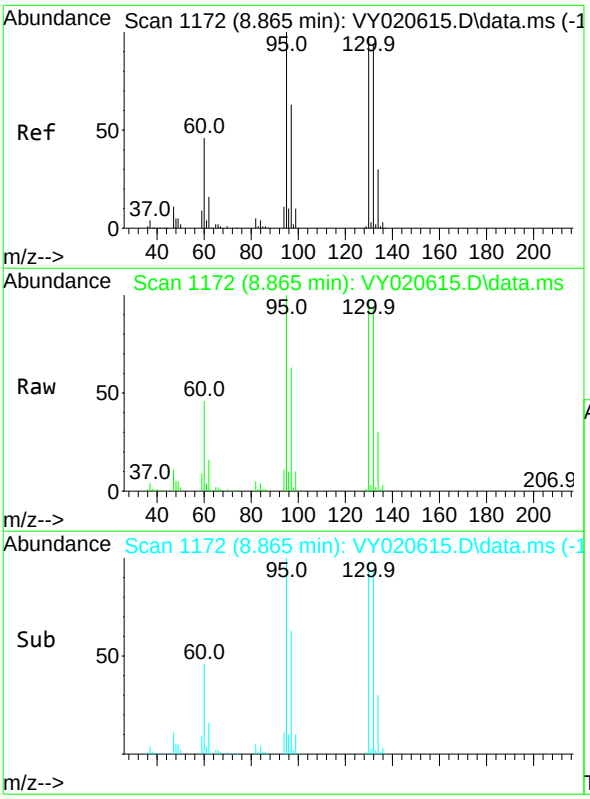
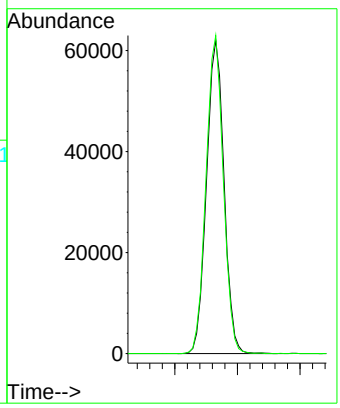
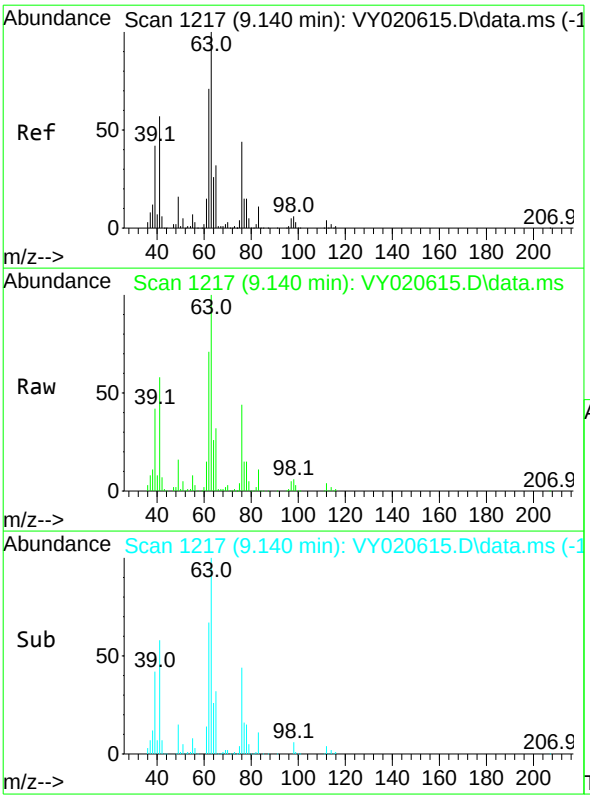


#44
Trichloroethene
Concen: 49.491 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:130 Resp: 120552

Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	203.2

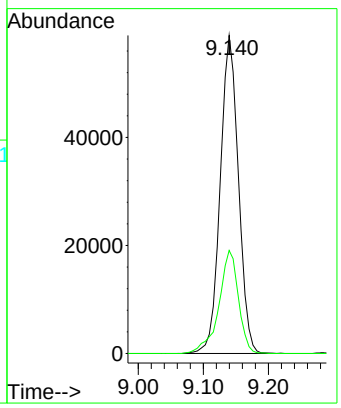




#45
1,2-Dichloropropane
Concen: 49.313 ug/l
RT: 9.140 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 63 Resp: 114250

Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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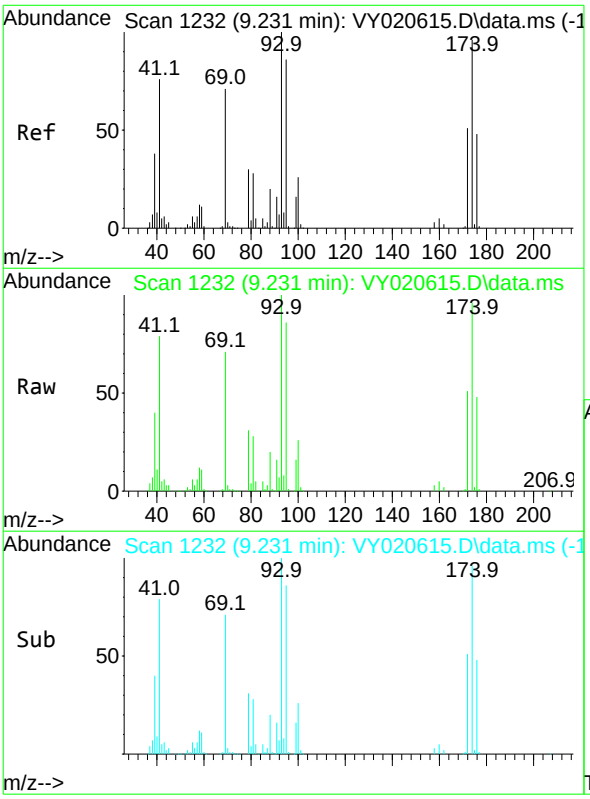
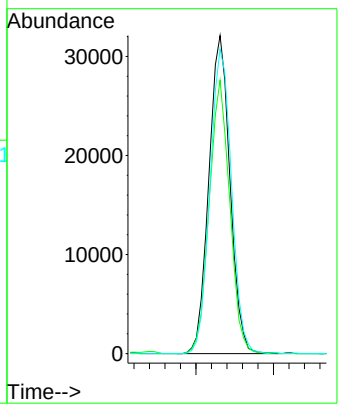
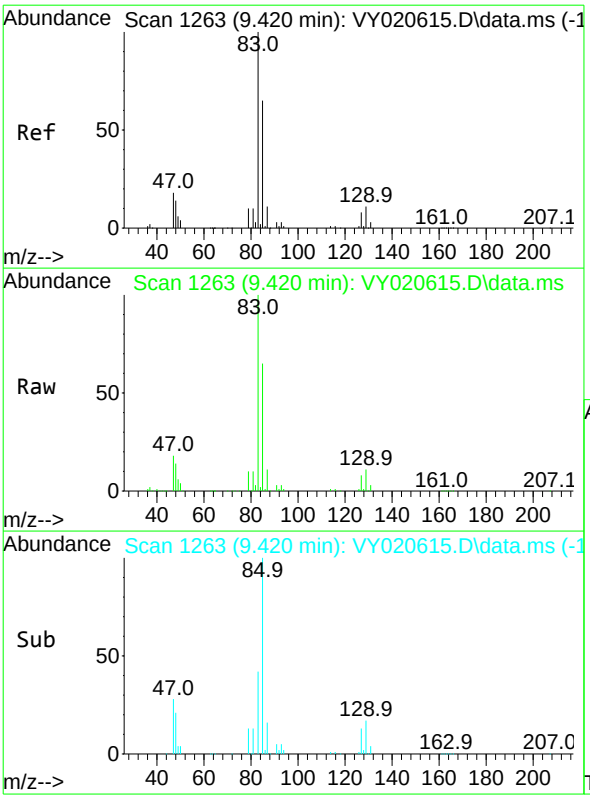


#46
Dibromomethane
Concen: 49.642 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 93 Resp: 60782

Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.7	100.1
174	97.2	77.8	116.6

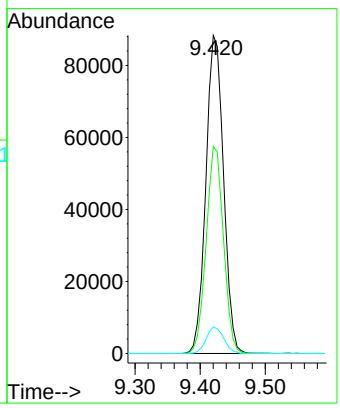




#47
Bromodichloromethane
Concen: 50.291 ug/l
RT: 9.420 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 83 Resp: 166333

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.1	78.1
127	8.4	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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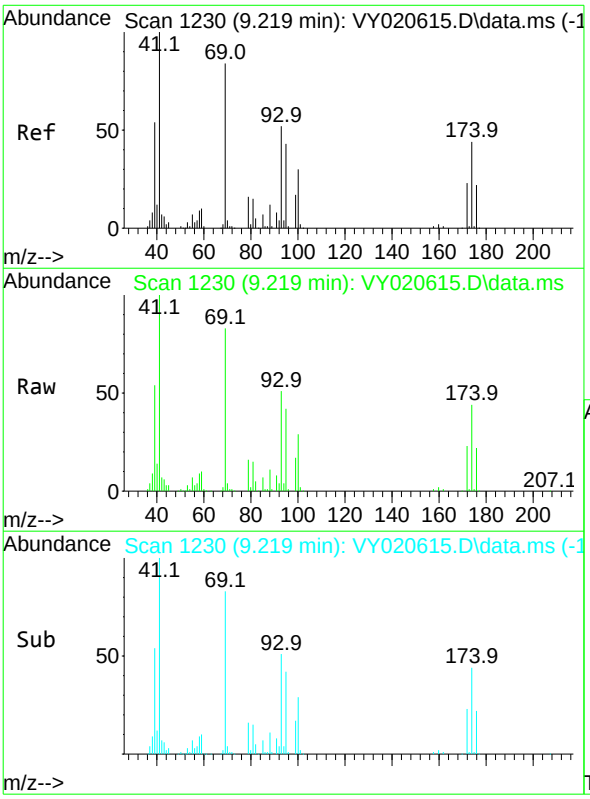
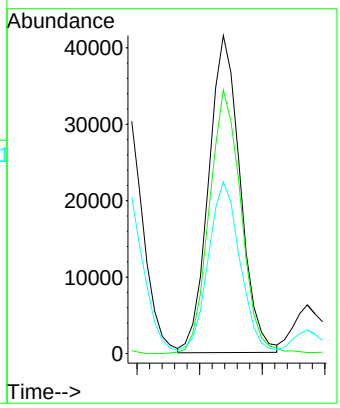
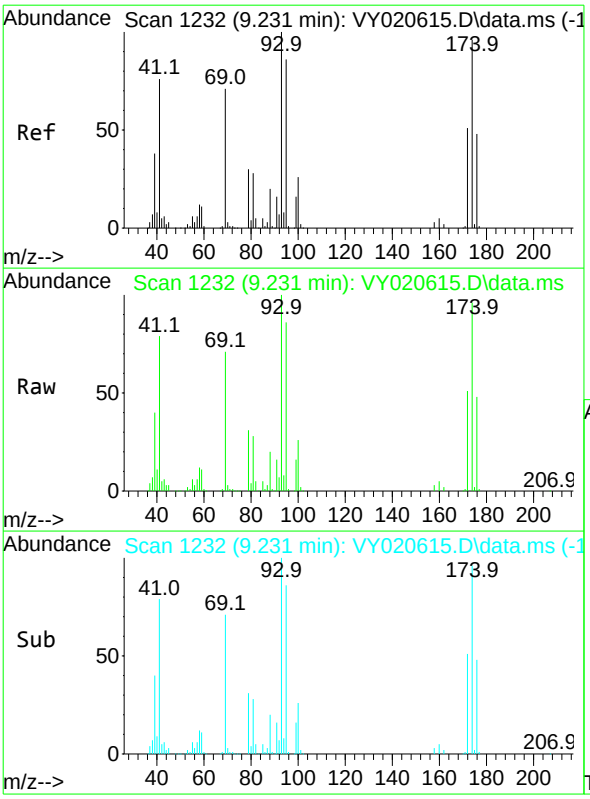


#48
Methyl methacrylate
Concen: 50.709 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 41 Resp: 72602

Ion	Ratio	Lower	Upper
41	100		
69	84.0	67.2	100.8
39	52.8	42.2	63.4





#49
1,4-Dioxane
Concen: 1001.939 ug/l
RT: 9.231 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 88 Resp: 14069

Ion	Ratio	Lower	Upper
88	100		
43	34.5	27.6	41.4
58	77.1	61.7	92.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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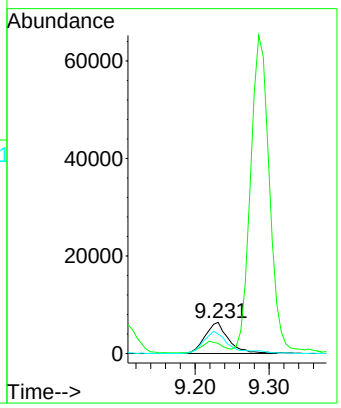
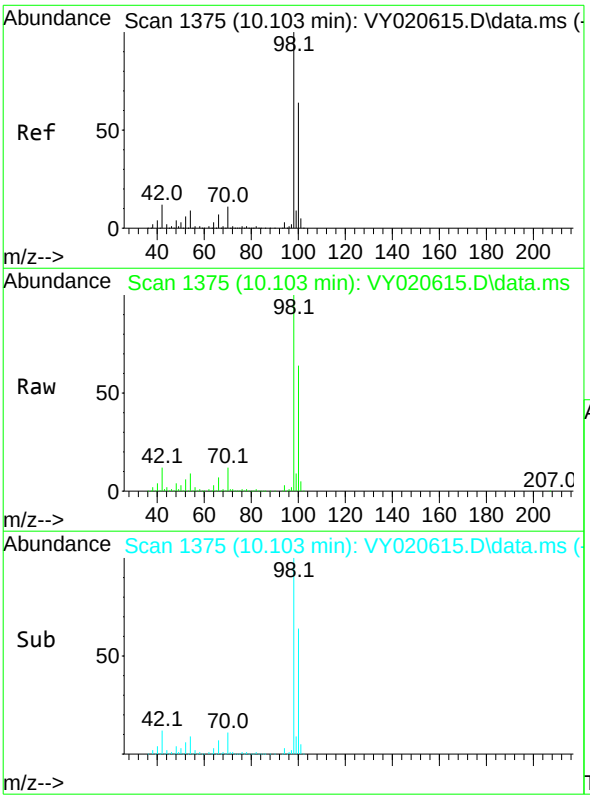
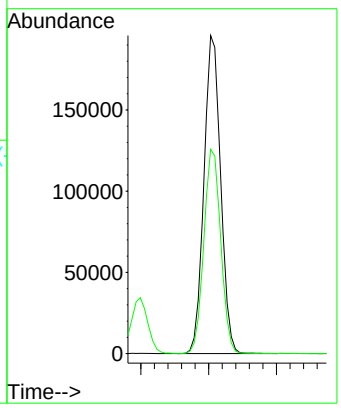


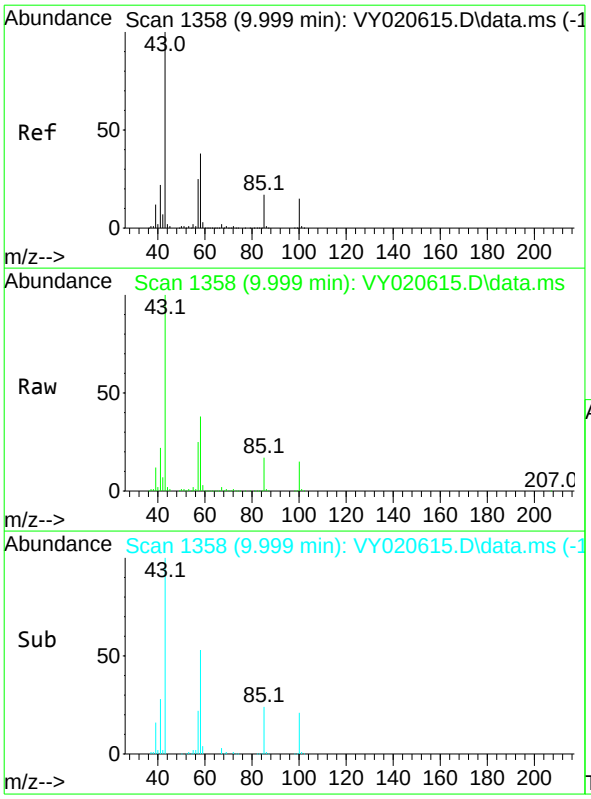


#50
Toluene-d8
Concen: 51.543 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 98 Resp: 334601

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1

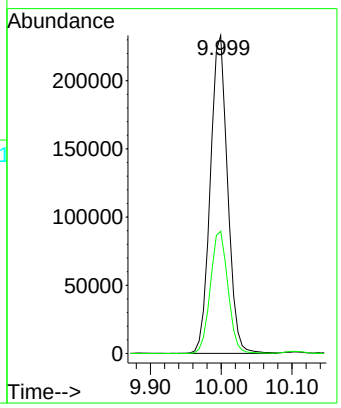




#51
4-Methyl-2-Pentanone
Concen: 247.835 ug/l
RT: 9.999 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 43 Resp: 393979

Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.4	47.2



Instrument :
MSVOA_Y
ClientSampleId :
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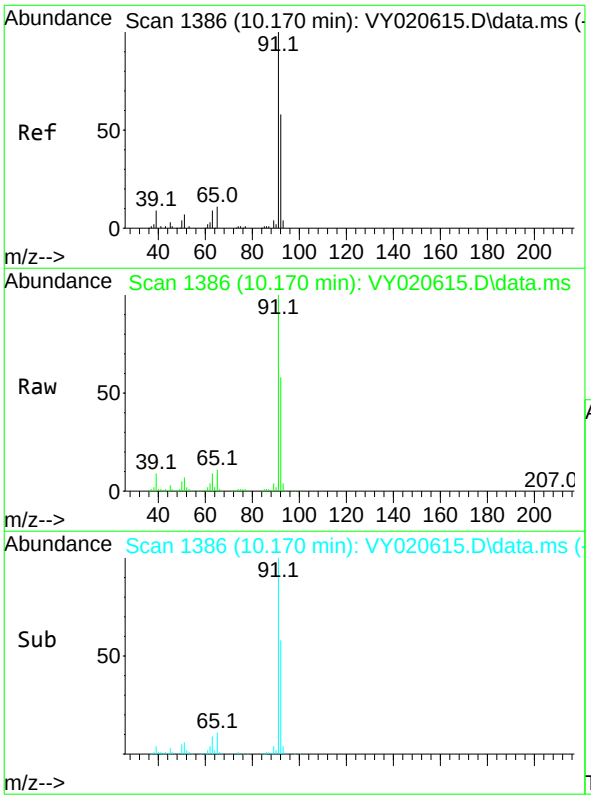
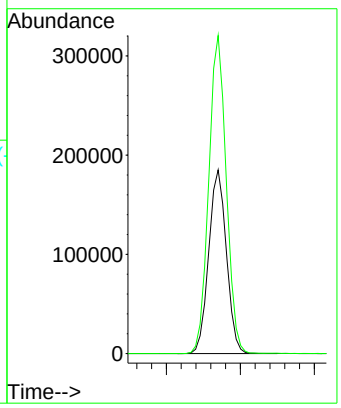
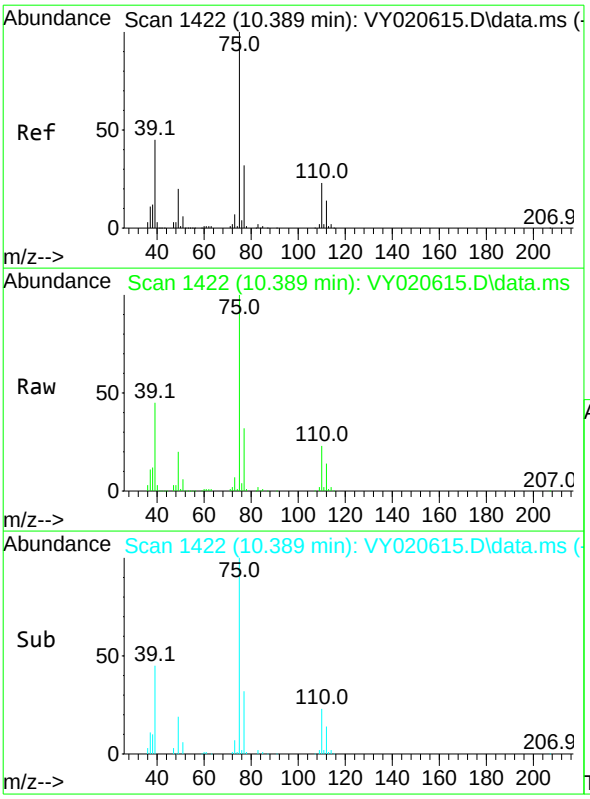


#52
Toluene
Concen: 49.846 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 92 Resp: 307082

Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.4	206.0

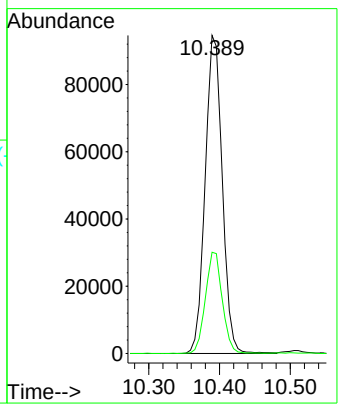




#53
t-1,3-Dichloropropene
Concen: 51.442 ug/l
RT: 10.389 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 75 Resp: 158536

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2



Instrument :
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ClientSampleId :
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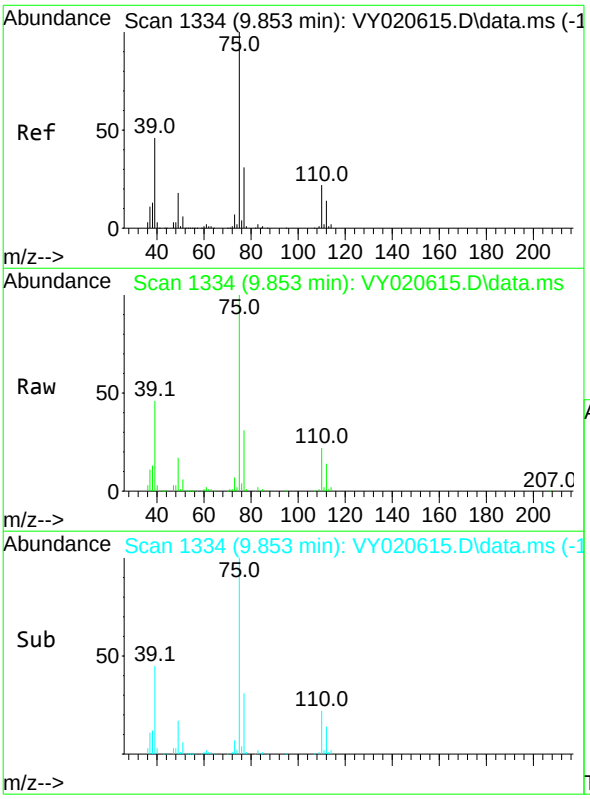
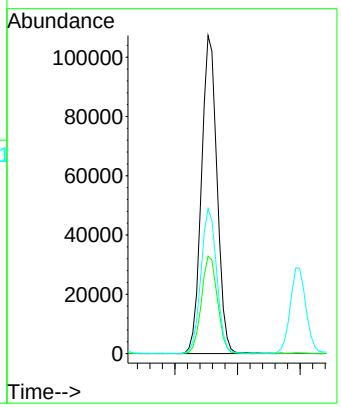
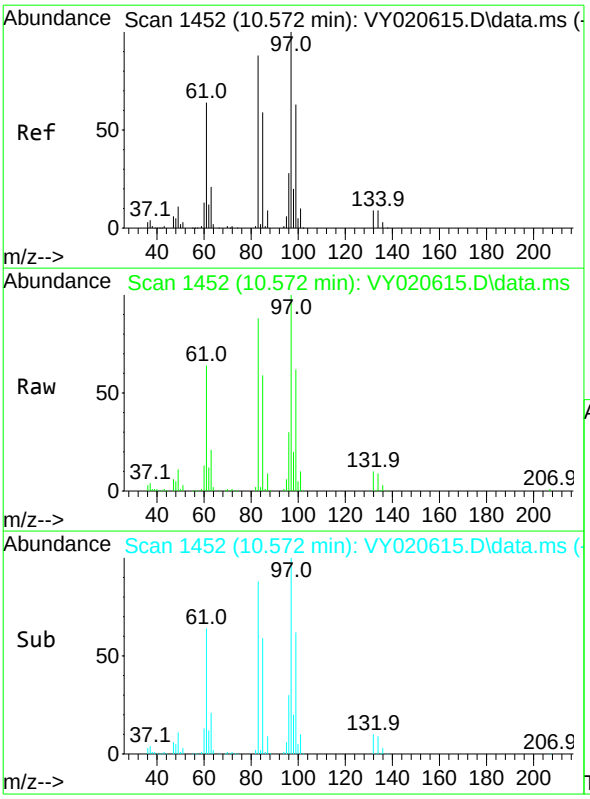


#54
cis-1,3-Dichloropropene
Concen: 50.849 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 75 Resp: 185696

Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.6	36.8
39	45.5	36.4	54.6

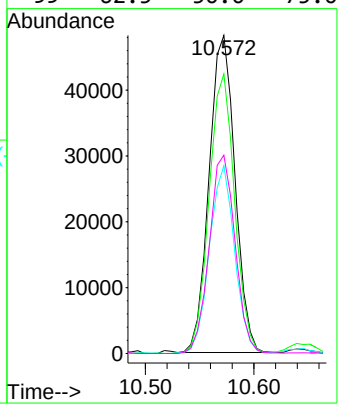




#55
1,1,2-Trichloroethane
Concen: 49.318 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 97 Resp: 79837

Ion	Ratio	Lower	Upper
97	100		
83	88.0	70.4	105.6
85	59.0	47.2	70.8
99	62.5	50.0	75.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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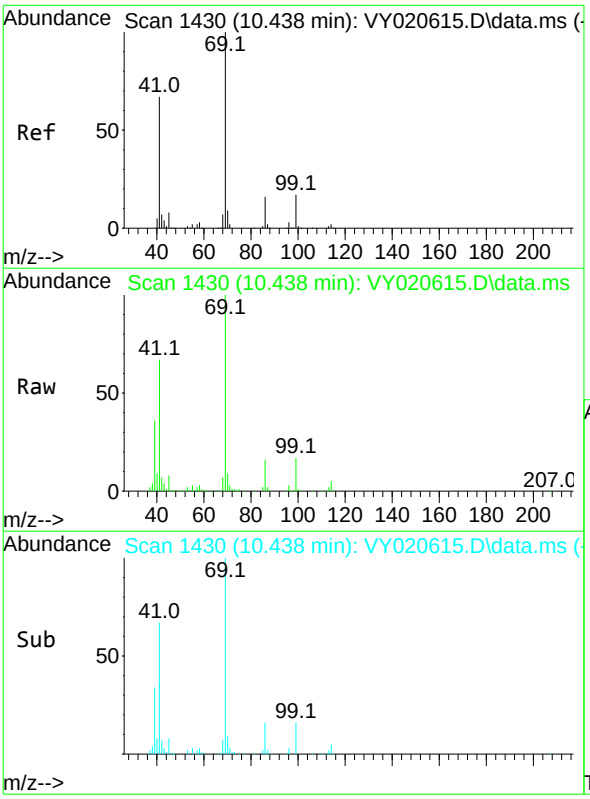
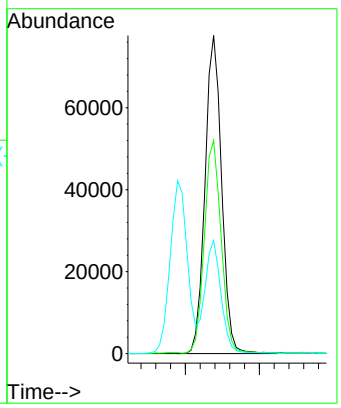
Supervised By :Semsettin Yesilyurt 12/18/2024

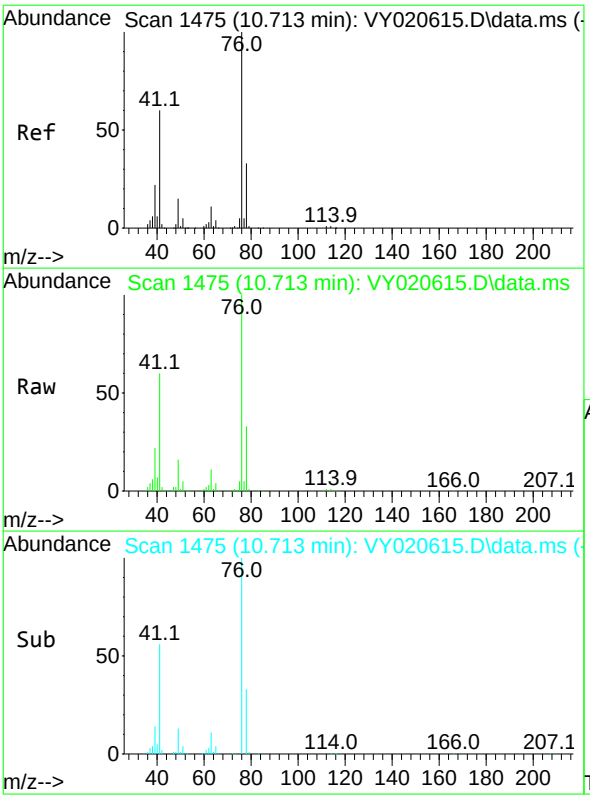


#56
Ethyl methacrylate
Concen: 51.535 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 69 Resp: 121030

Ion	Ratio	Lower	Upper
69	100		
41	67.5	54.0	81.0
39	34.9	27.9	41.9

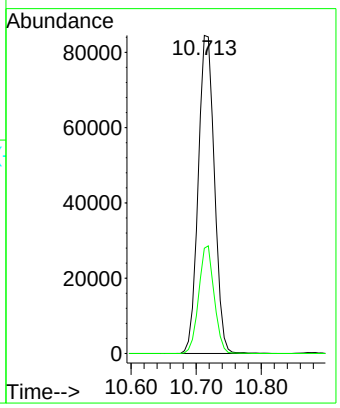




#57
1,3-Dichloropropane
Concen: 50.611 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 76 Resp: 146053

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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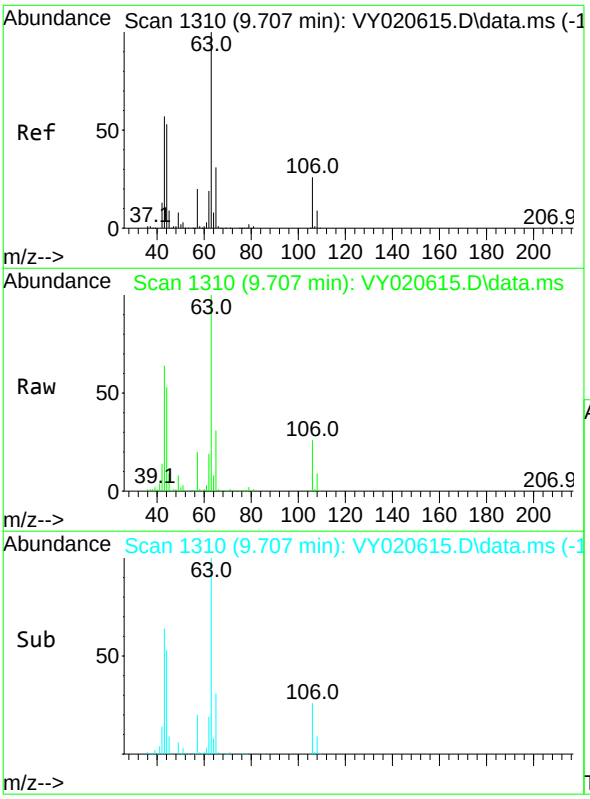
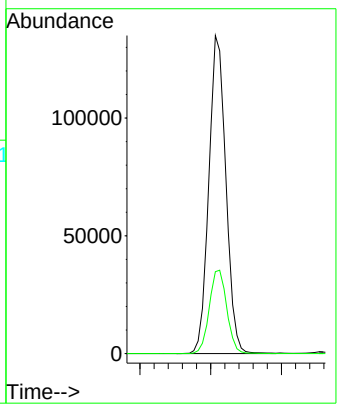
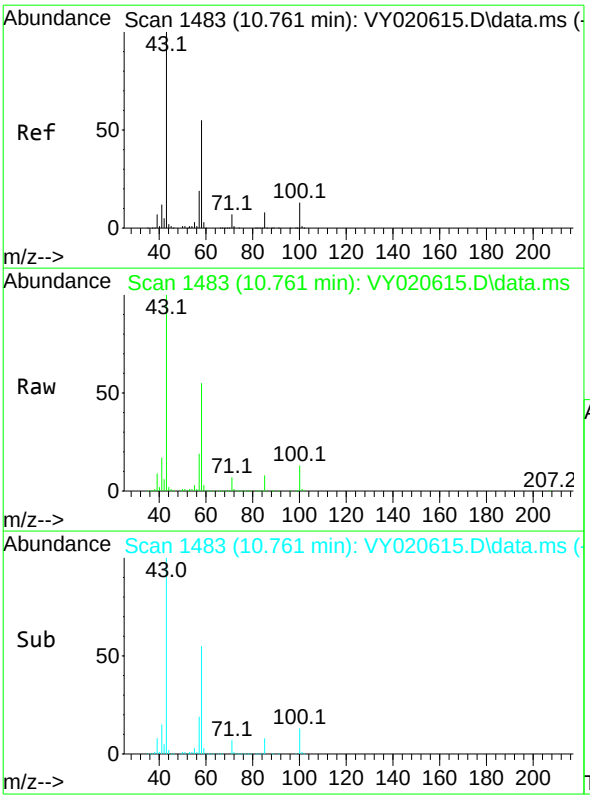


#58
2-Chloroethyl Vinyl ether
Concen: 228.767 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 63 Resp: 226061

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.5	32.3

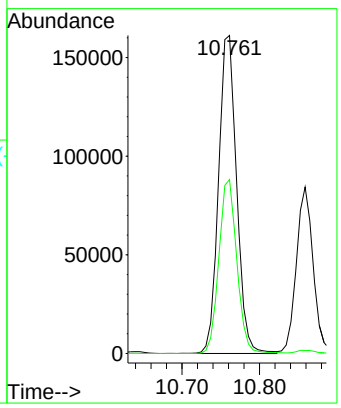




#59
2-Hexanone
Concen: 256.048 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 43 Resp: 261334

Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.2	81.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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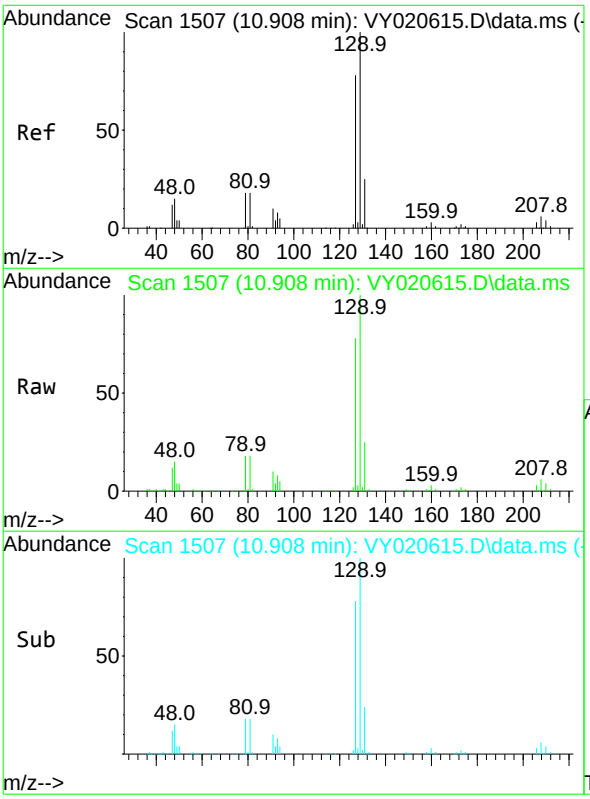
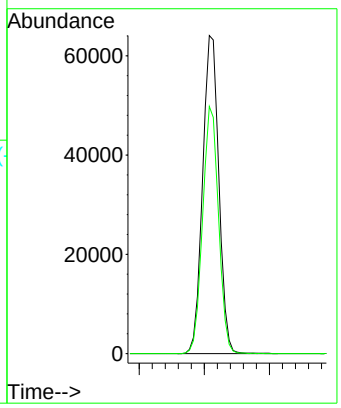
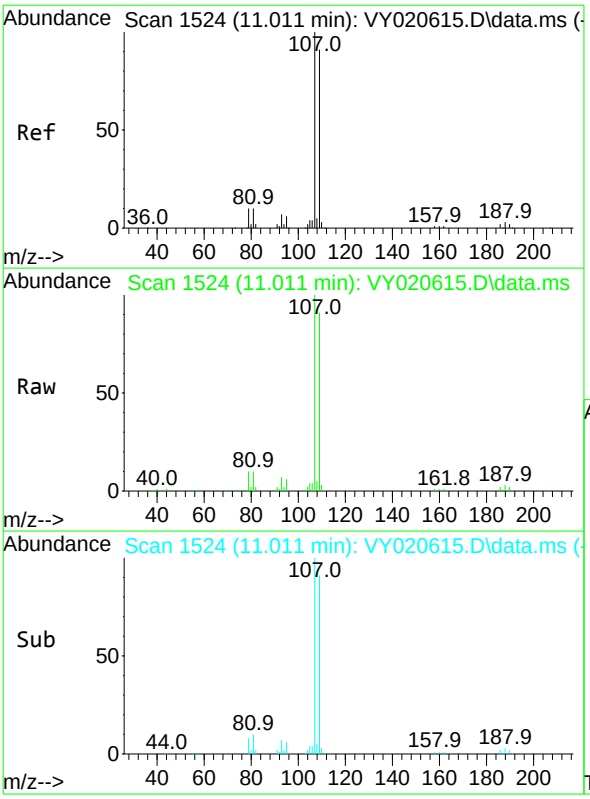


#60
Dibromochloromethane
Concen: 51.085 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:129 Resp: 110597

Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.1	114.3





#61
1,2-Dibromoethane
Concen: 50.346 ug/l
RT: 11.011 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:107 Resp: 75811

Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.4	113.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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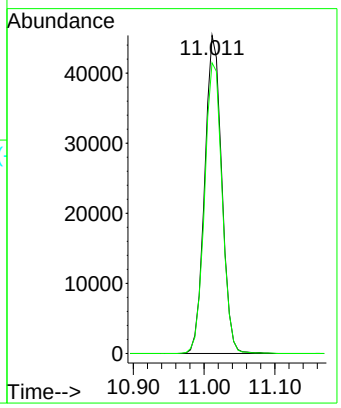
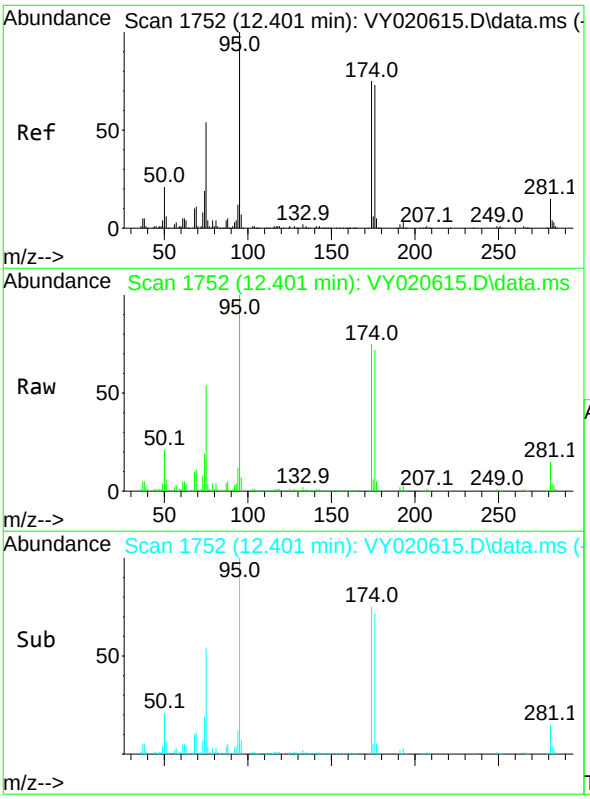
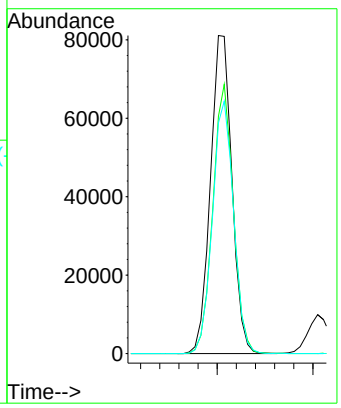


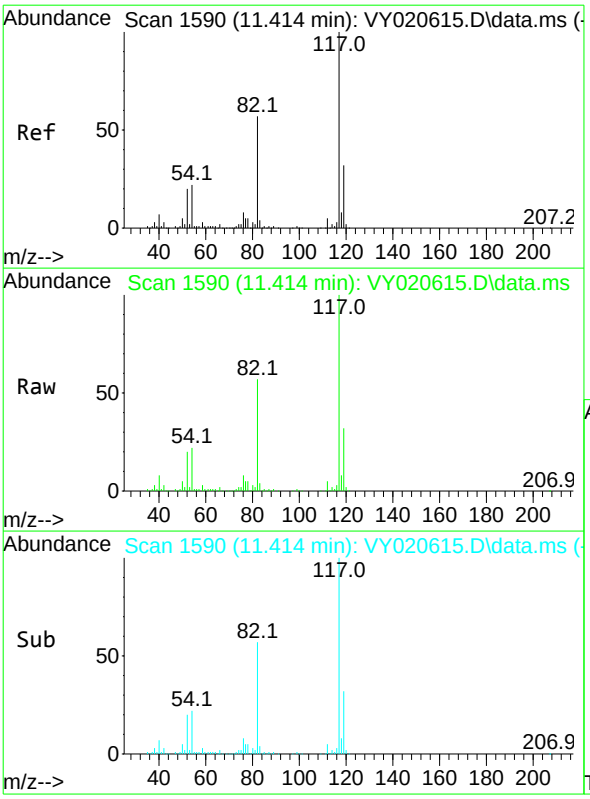


#62
4-Bromofluorobenzene
Concen: 49.707 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 95 Resp: 126226

Ion	Ratio	Lower	Upper
95	100		
174	80.9	0.0	161.8
176	78.3	0.0	156.6

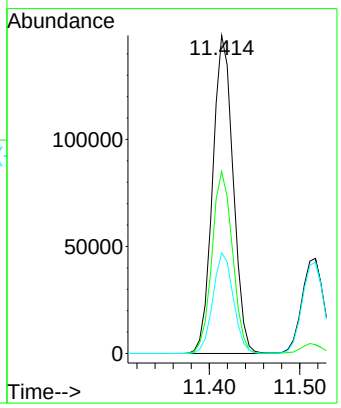




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:117 Resp: 234325

Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.8	68.6
119	31.6	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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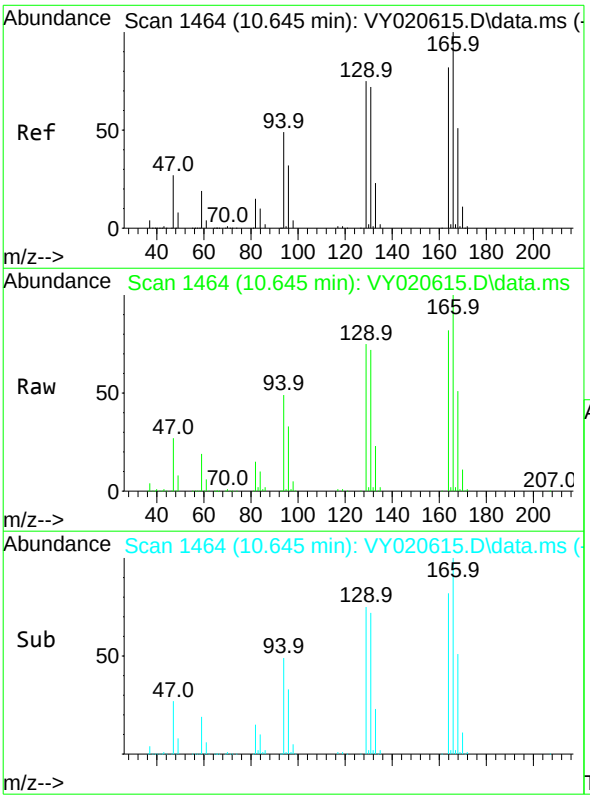
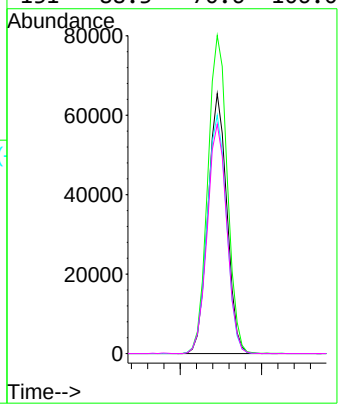
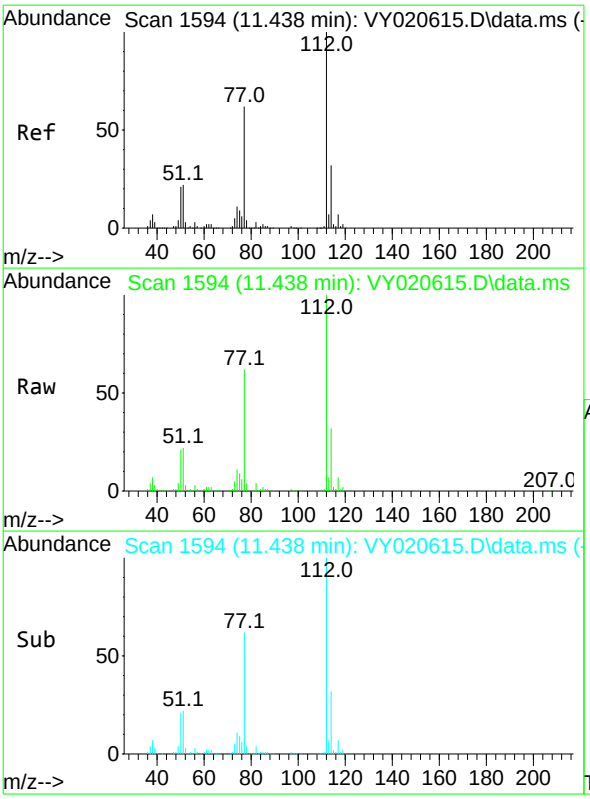


#64
Tetrachloroethene
Concen: 48.065 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:164 Resp: 105939

Ion	Ratio	Lower	Upper
164	100		
166	122.4	97.9	146.9
129	91.7	73.4	110.0
131	88.3	70.6	106.0

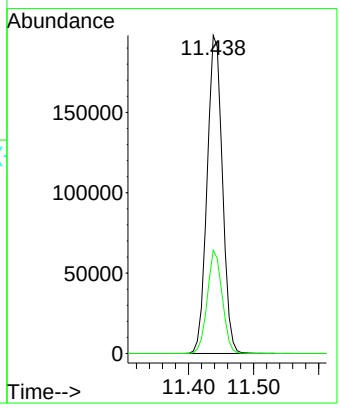




#65
Chlorobenzene
Concen: 49.154 ug/l
RT: 11.438 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:112 Resp: 322053

Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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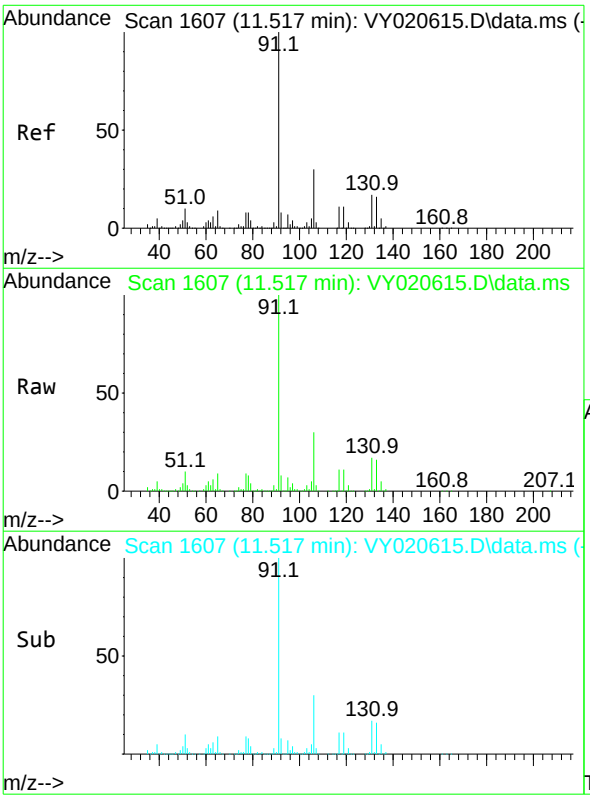
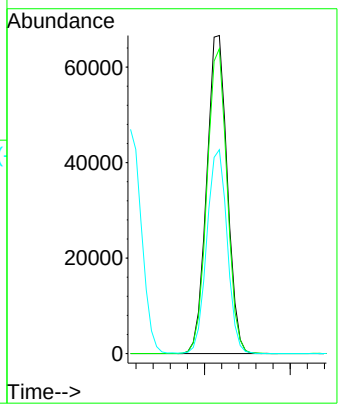
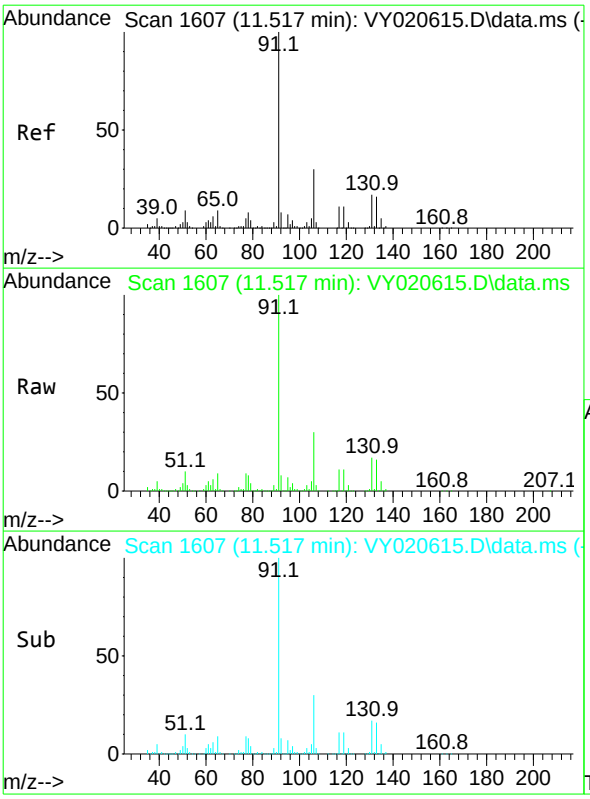


#66
1,1,1,2-Tetrachloroethane
Concen: 49.571 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:131 Resp: 111060

Ion	Ratio	Lower	Upper
131	100		
133	93.5	46.8	140.3
119	63.5	31.8	95.3

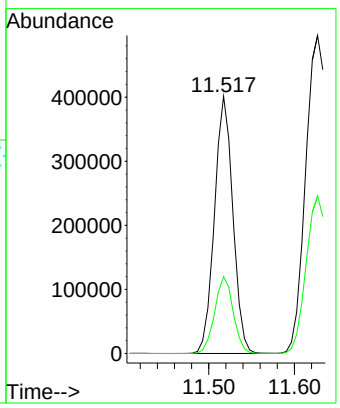




#67
Ethyl Benzene
Concen: 49.546 ug/l
RT: 11.517 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 91 Resp: 598896

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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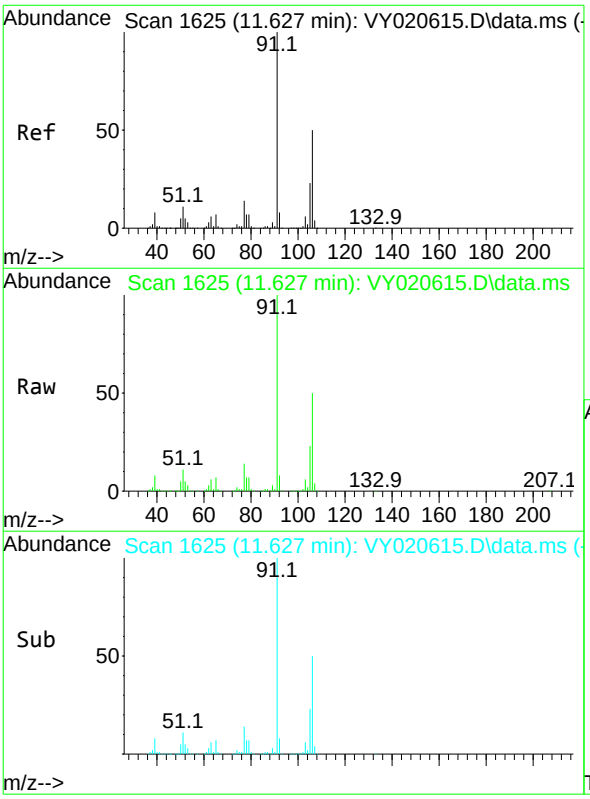
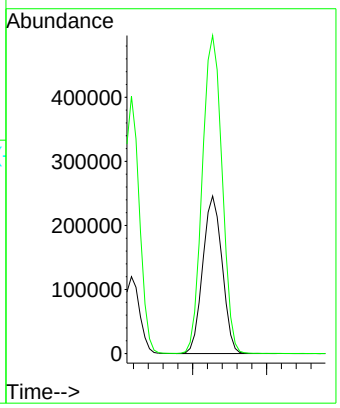
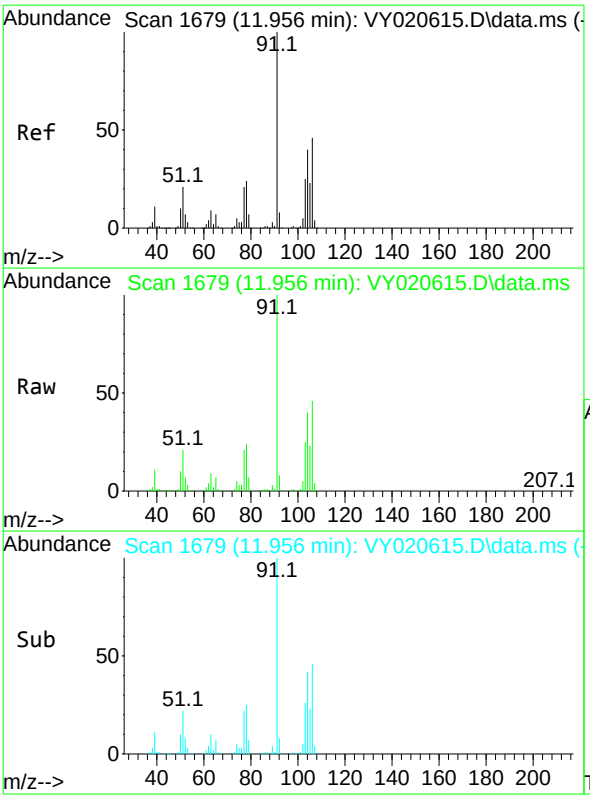


#68
m/p-Xylenes
Concen: 99.408 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:106 Resp: 446771

Ion	Ratio	Lower	Upper
106	100		
91	206.2	165.0	247.4





#69
o-Xylene
Concen: 50.198 ug/l
RT: 11.956 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:106 Resp: 210499

Ion	Ratio	Lower	Upper
106	100		
91	216.8	108.4	325.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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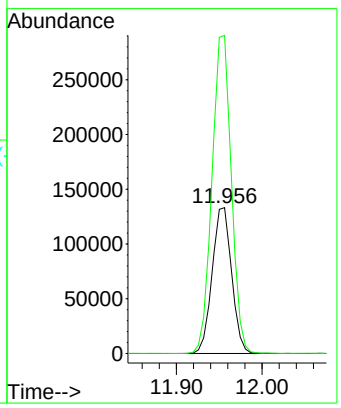
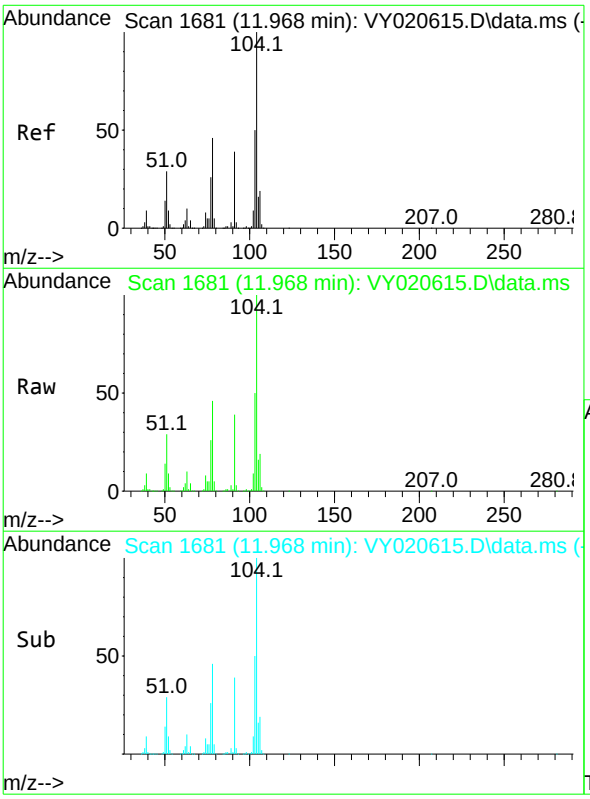
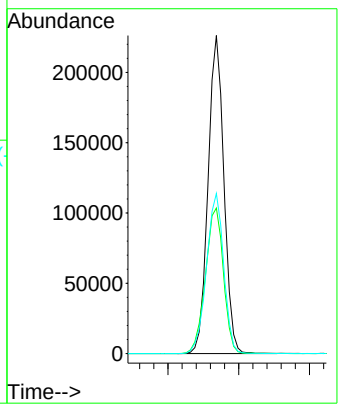


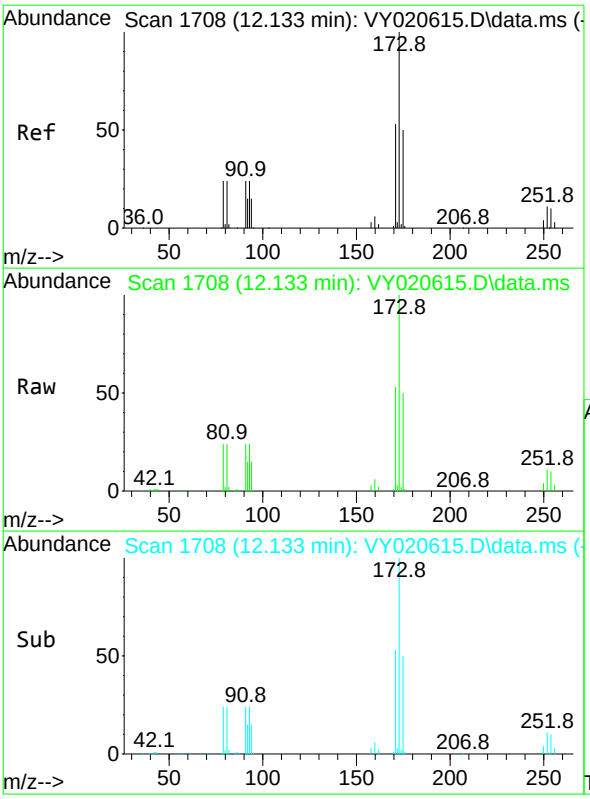


#70
Styrene
Concen: 50.222 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:104 Resp: 351858

Ion	Ratio	Lower	Upper
104	100		
78	52.0	41.6	62.4
103	54.6	43.7	65.5





#71
Bromoform
Concen: 50.171 ug/l
RT: 12.133 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:173 Resp: 63198

Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	74.0
254	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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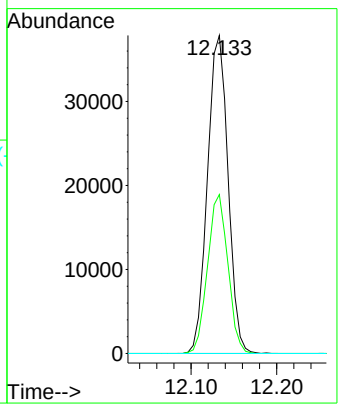
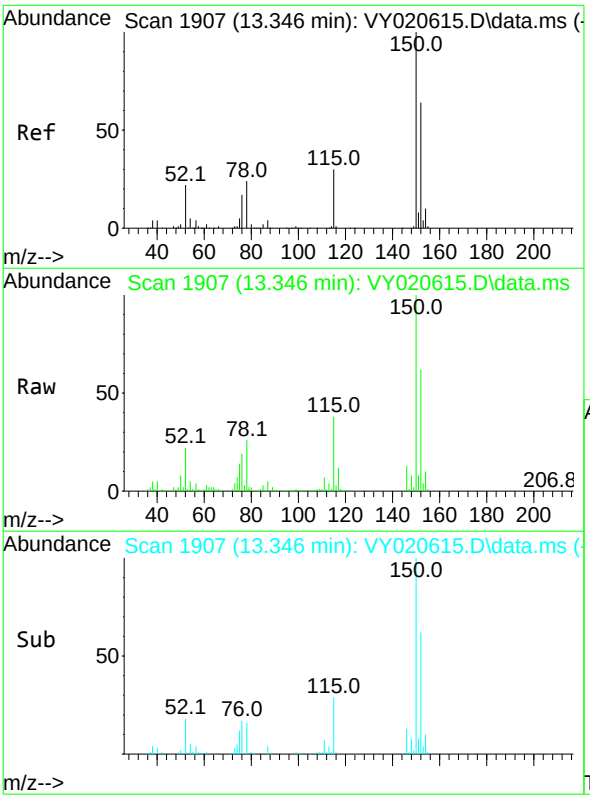
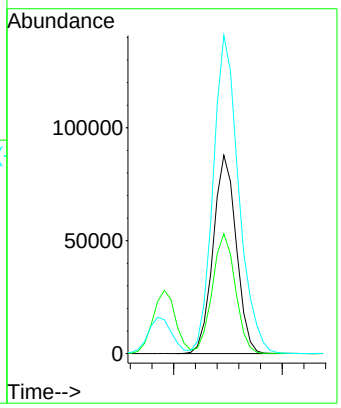


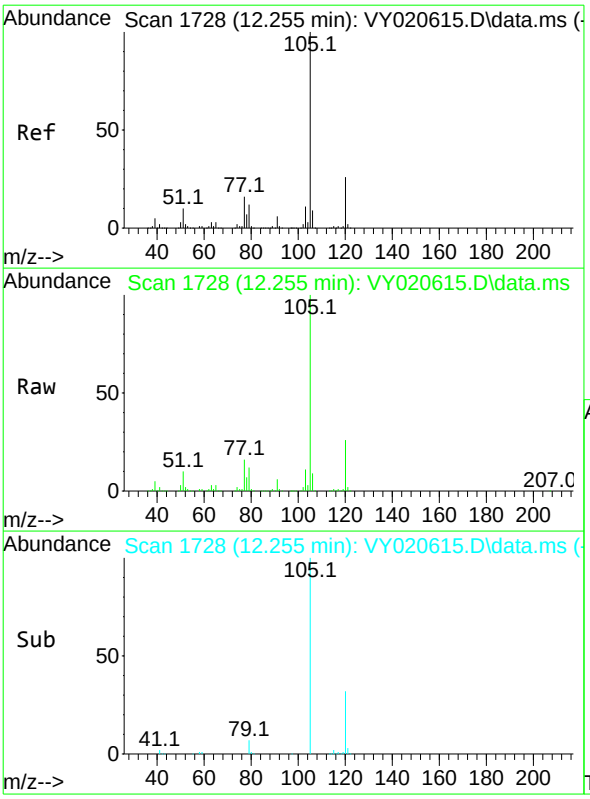


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:152 Resp: 130092

Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.2	90.6
150	177.7	0.0	355.4





#73
Isopropylbenzene
Concen: 49.914 ug/l
RT: 12.255 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:105 Resp: 566646

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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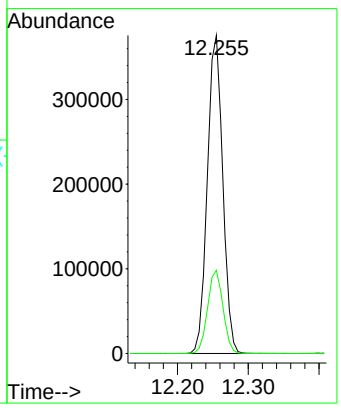
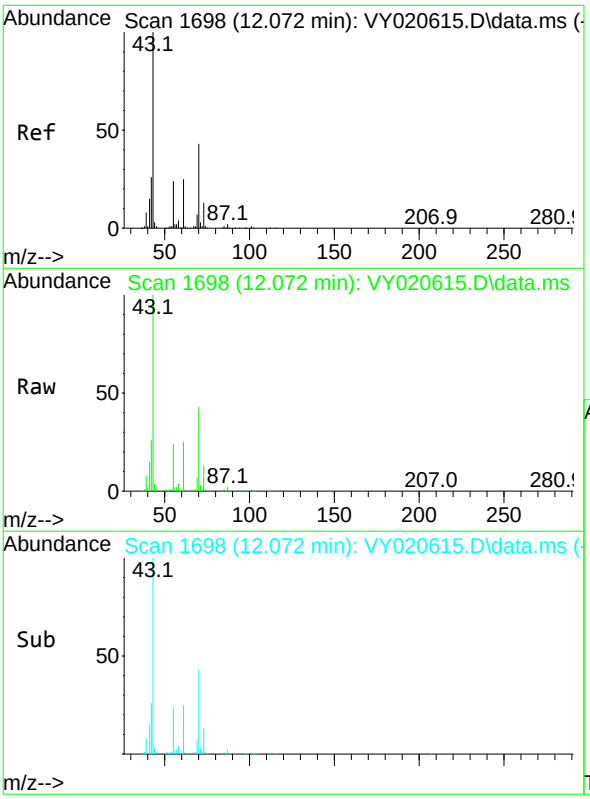
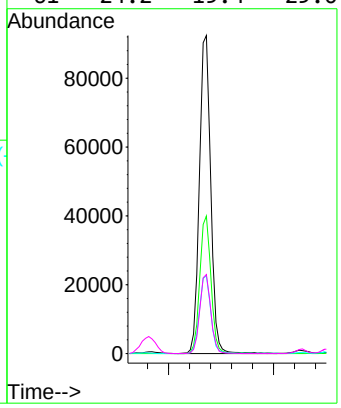


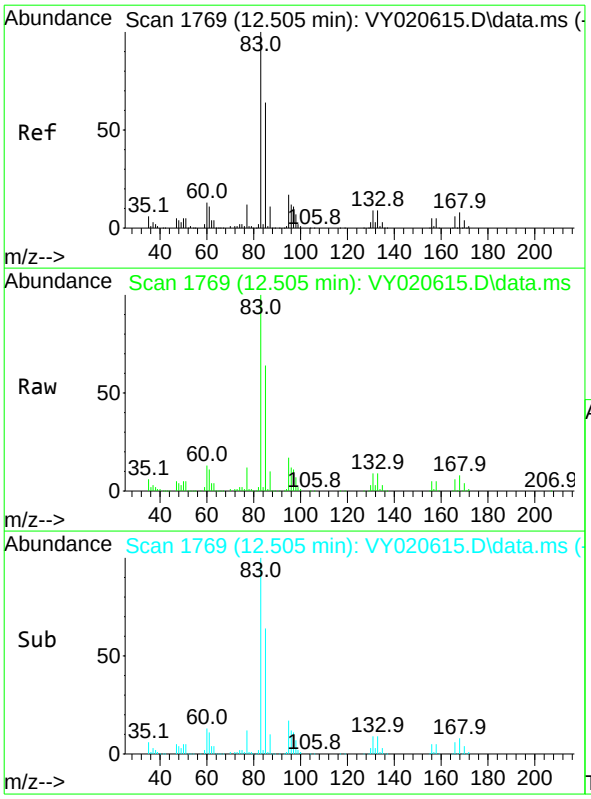


#74
N-amyl acetate
Concen: 52.254 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 43 Resp: 138830

Ion	Ratio	Lower	Upper
43	100		
70	42.7	34.2	51.2
55	24.5	19.6	29.4
61	24.2	19.4	29.0

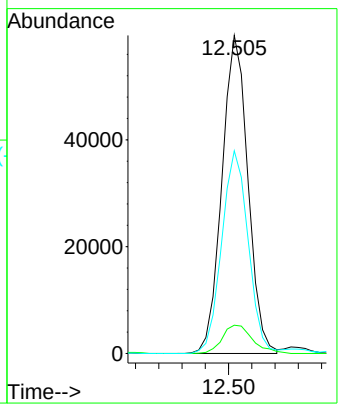




#75
1,1,2,2-Tetrachloroethane
Concen: 50.115 ug/l
RT: 12.505 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 83 Resp: 92349

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.2	15.6
85	64.9	32.5	97.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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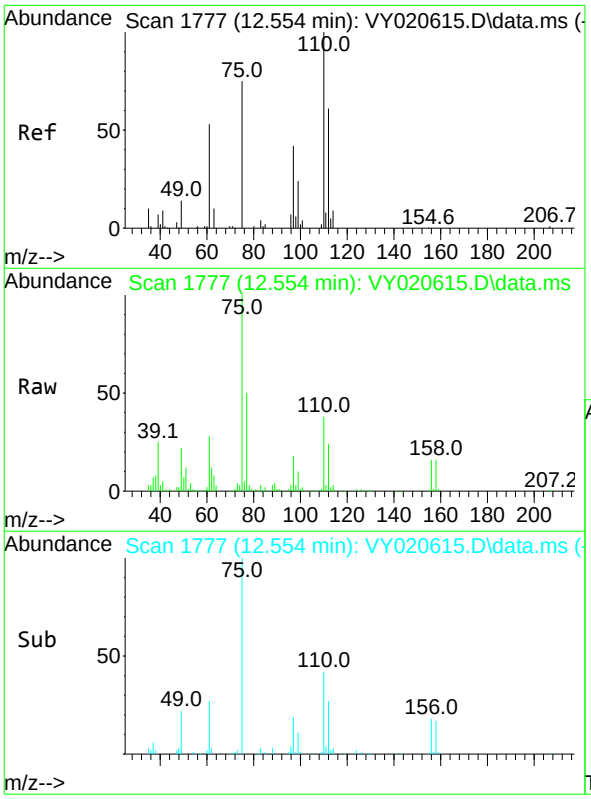
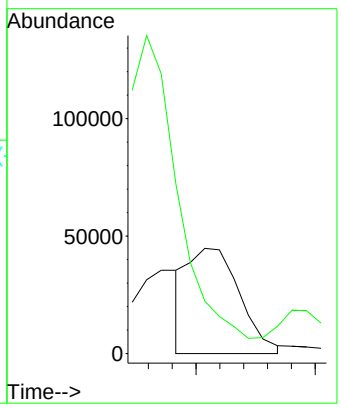
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

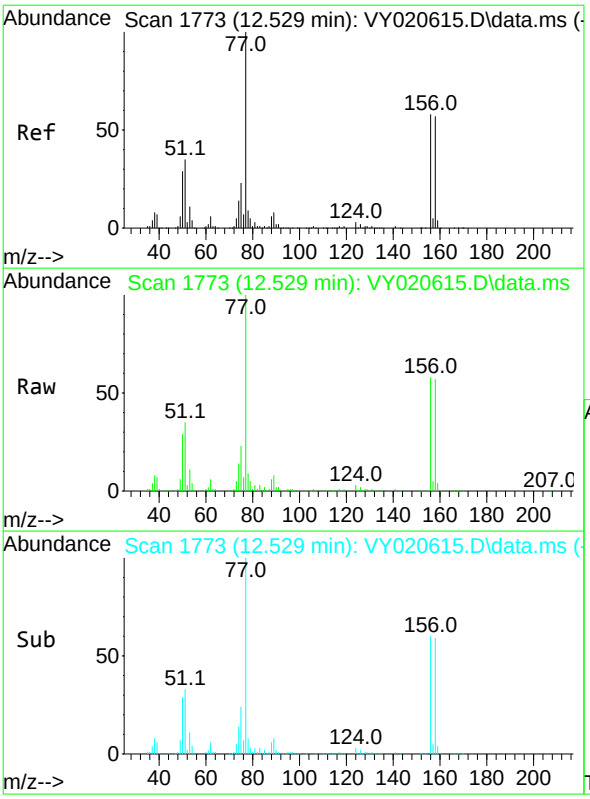


#76
1,2,3-Trichloropropane
Concen: 50.656 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 75 Resp: 67873

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 49.842 ug/l
RT: 12.529 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:156 Resp: 123256

Ion	Ratio	Lower	Upper
156	100		
77	188.3	94.2	282.4
158	97.7	48.9	146.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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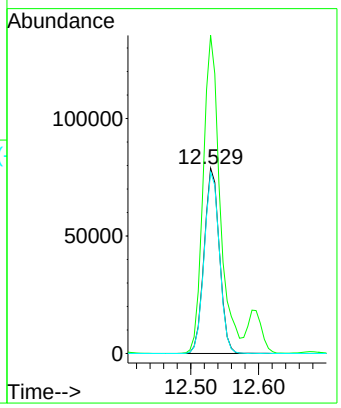
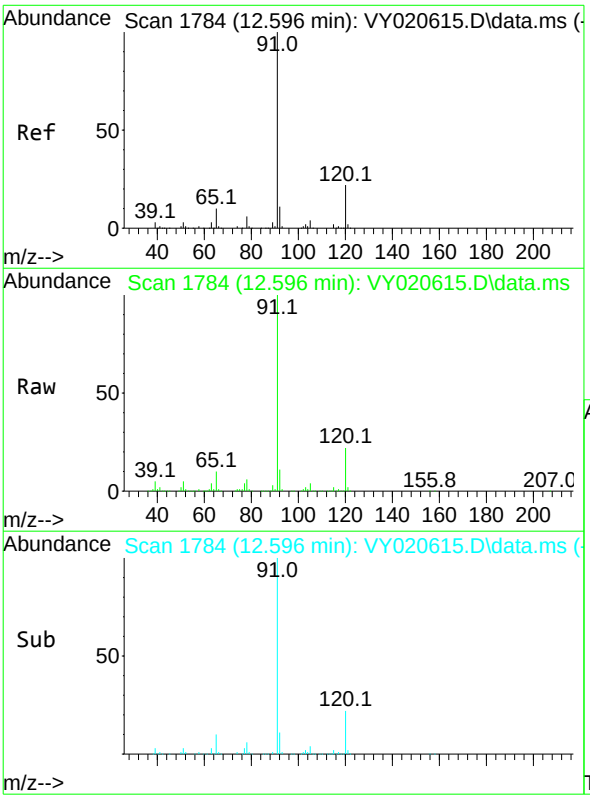
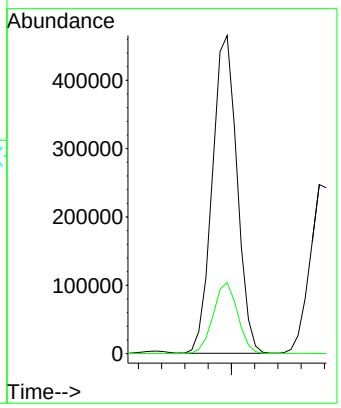


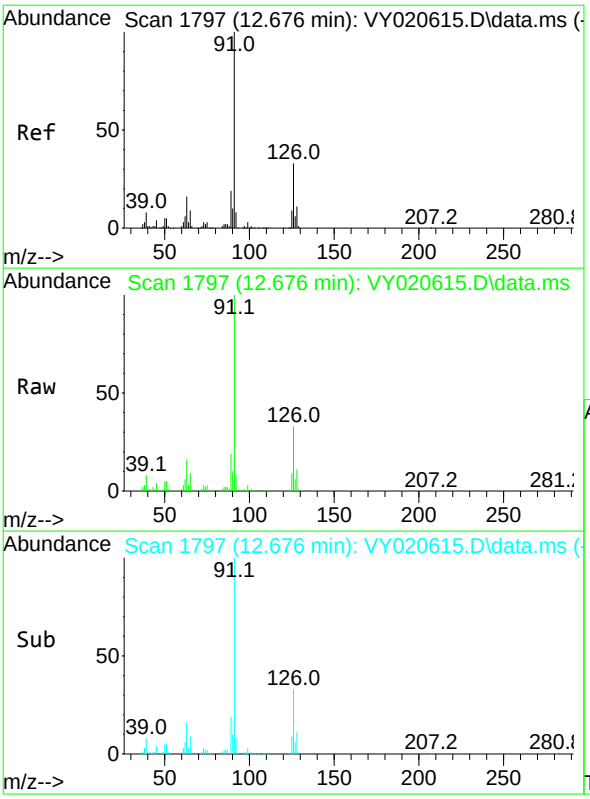


#78
n-propylbenzene
Concen: 50.251 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 91 Resp: 687319

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1

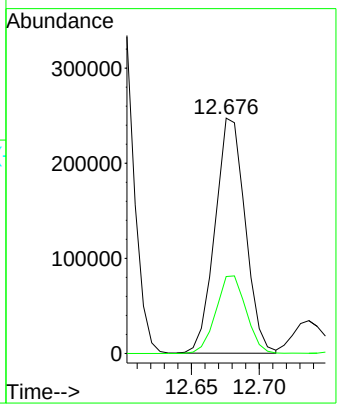




#79
2-Chlorotoluene
Concen: 49.707 ug/l
RT: 12.676 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 91 Resp: 382511

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.6	49.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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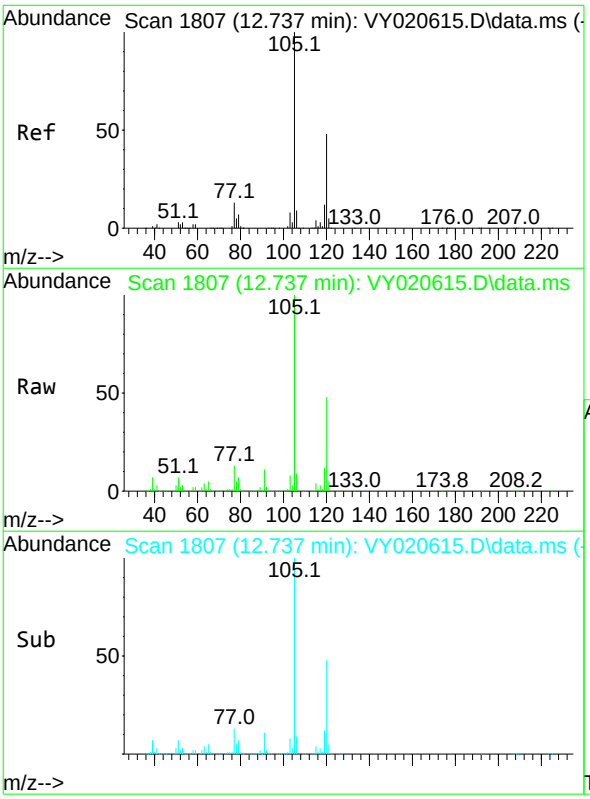
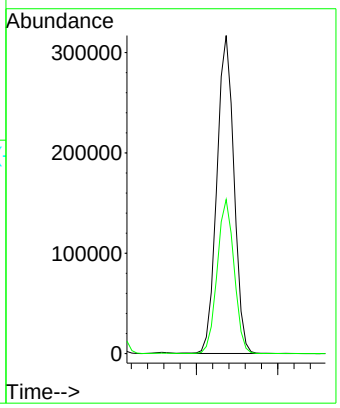
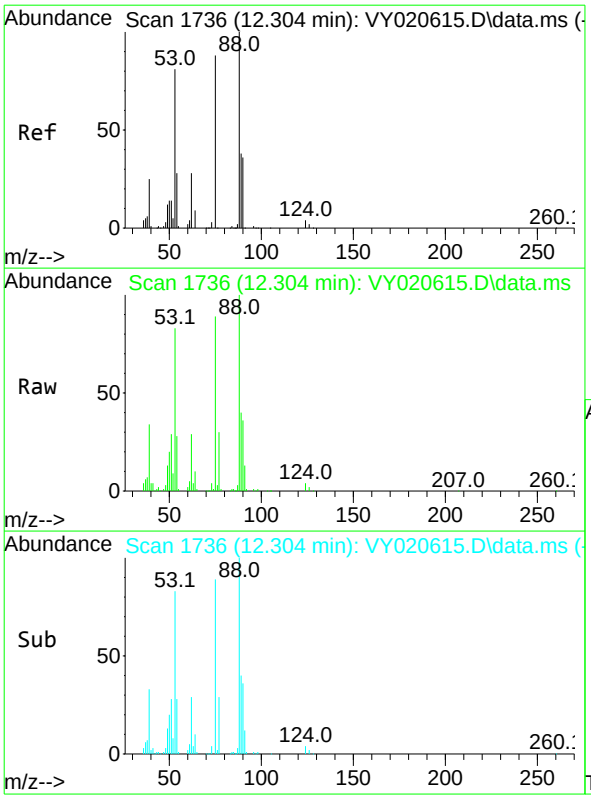


#80
1,3,5-Trimethylbenzene
Concen: 50.279 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:105 Resp: 463155

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.9	71.7

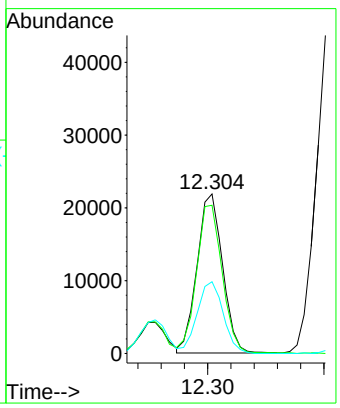




#81
trans-1,4-Dichloro-2-butene
Concen: 51.816 ug/l
RT: 12.304 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 75 Resp: 33360

Ion	Ratio	Lower	Upper
75	100		
53	94.3	75.4	113.2
89	46.2	37.0	55.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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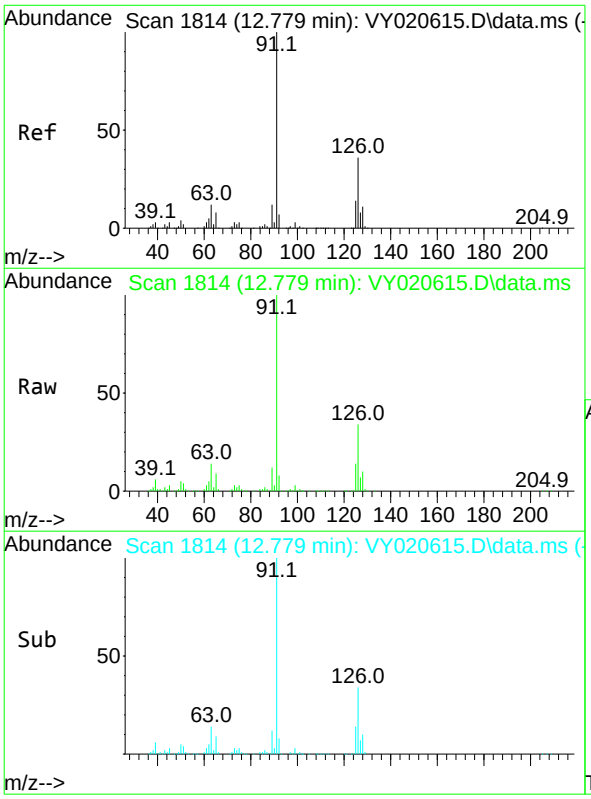
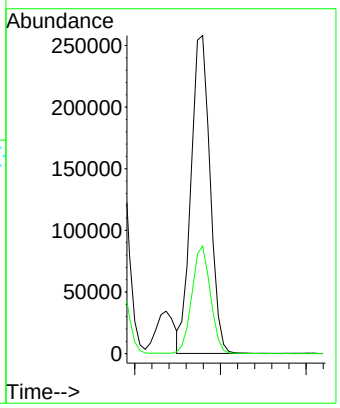
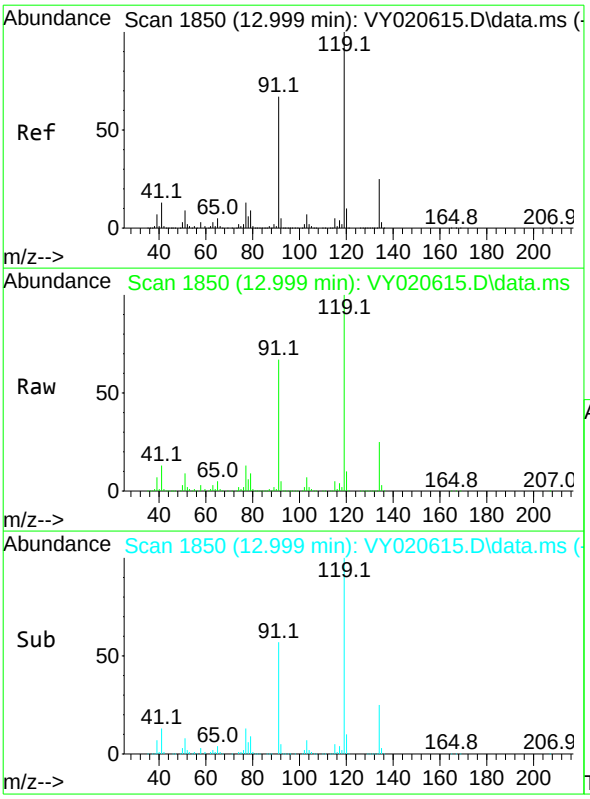


#82
4-Chlorotoluene
Concen: 49.848 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 91 Resp: 397958

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.6	49.7

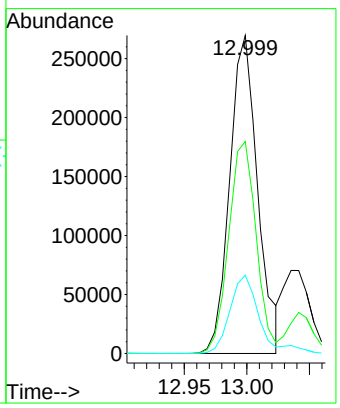




#83
tert-Butylbenzene
Concen: 50.127 ug/l
RT: 12.999 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:119 Resp: 418182

Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.9	98.6
134	26.1	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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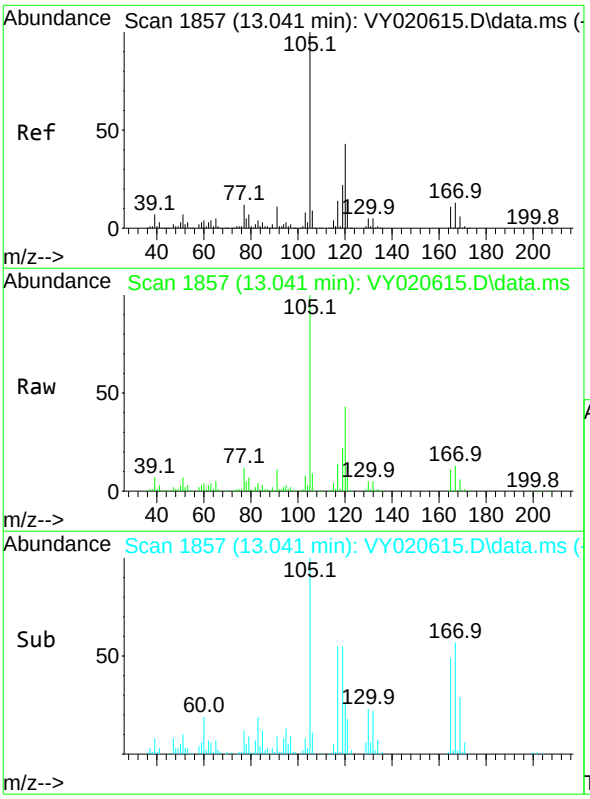
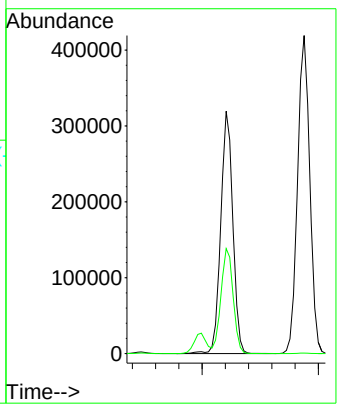
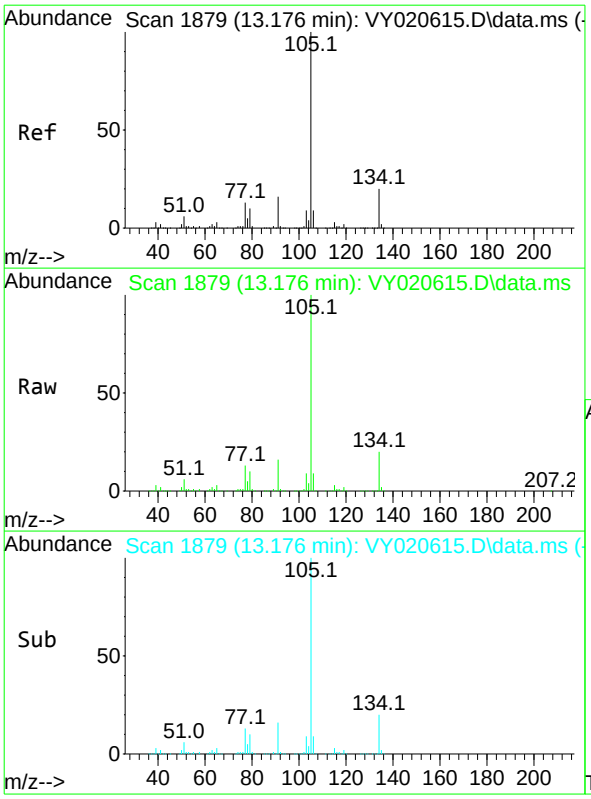


#84
1,2,4-Trimethylbenzene
Concen: 50.907 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:105 Resp: 459974

Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.8	65.4

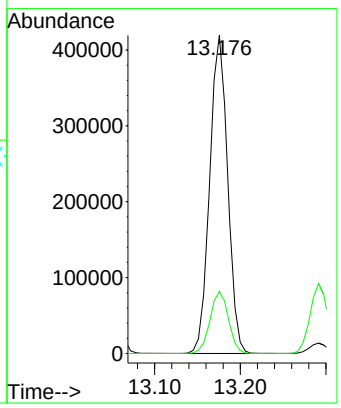




#85
sec-Butylbenzene
Concen: 50.301 ug/l
RT: 13.176 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:105 Resp: 610142

Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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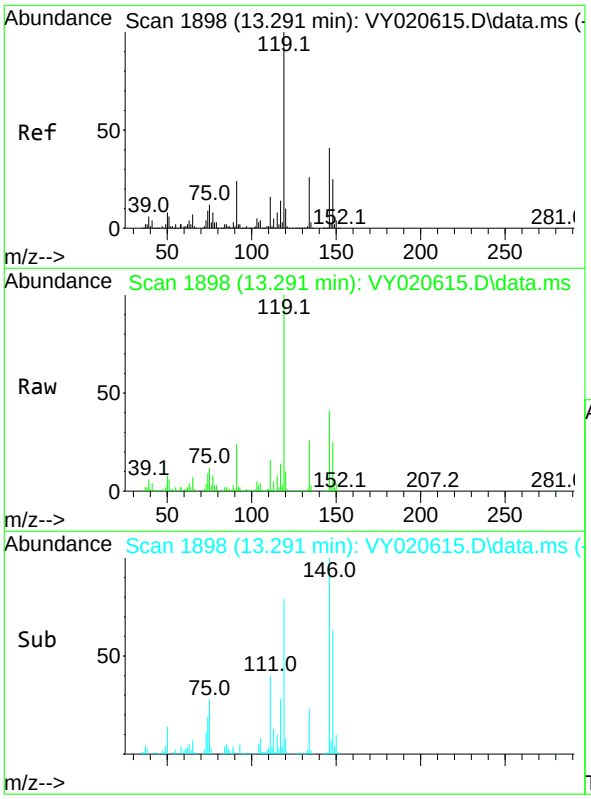
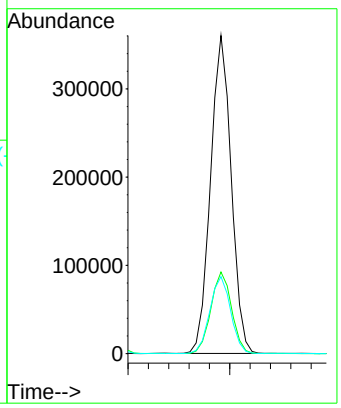
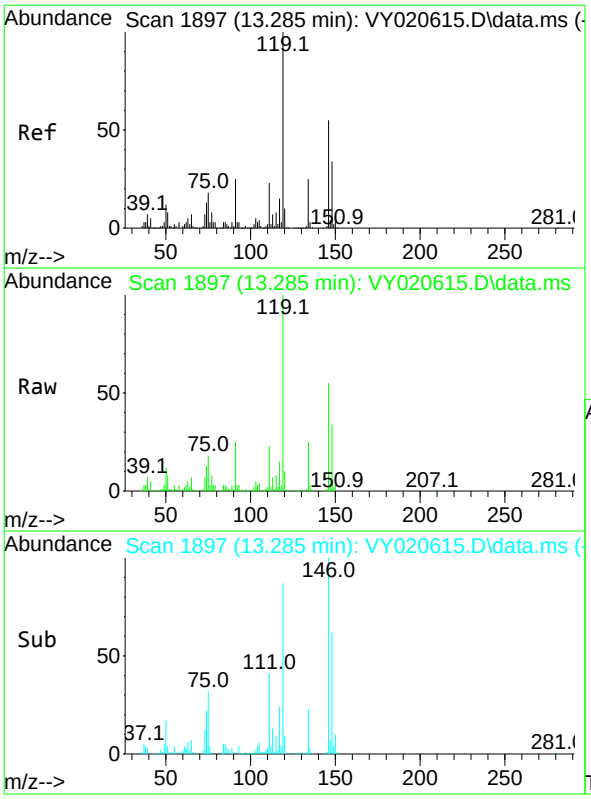


#86
p-Isopropyltoluene
Concen: 50.941 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:119 Resp: 509445

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	24.2	12.1	36.3

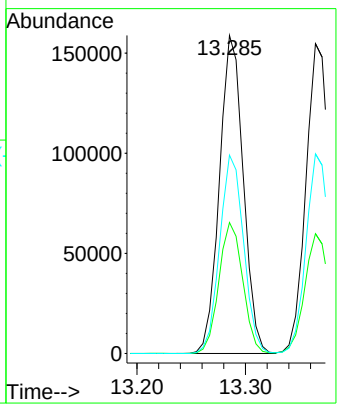




#87
1,3-Dichlorobenzene
Concen: 49.677 ug/l
RT: 13.285 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:146 Resp: 242502

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.6	61.8
148	62.7	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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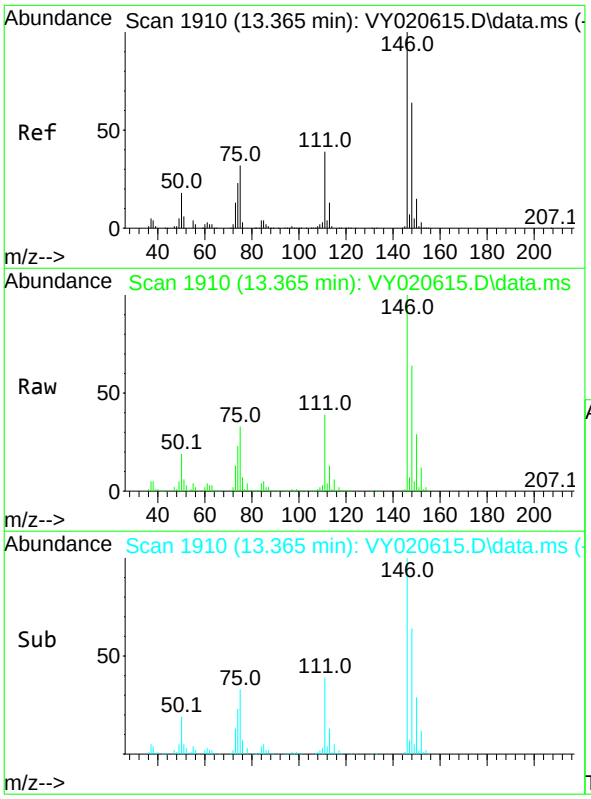
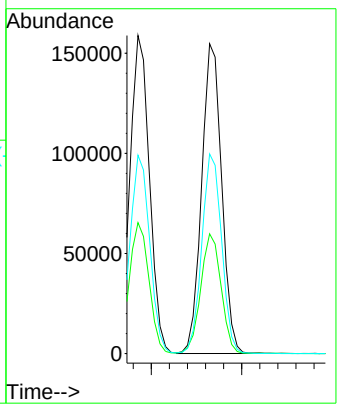
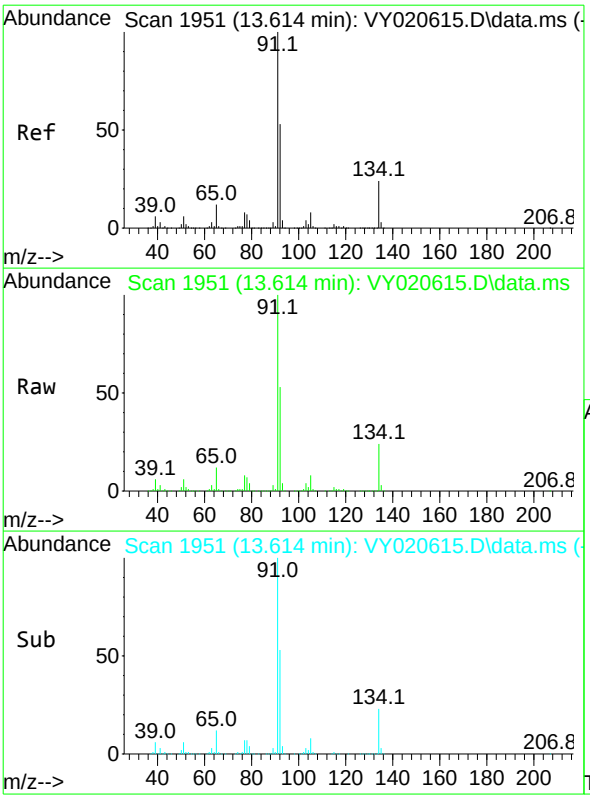


#88
1,4-Dichlorobenzene
Concen: 49.281 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:146 Resp: 238266

Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.7
148	63.7	31.9	95.5

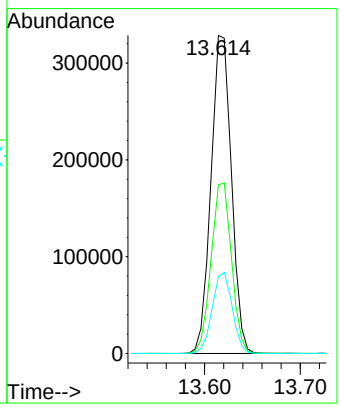




#89
n-Butylbenzene
Concen: 51.461 ug/l
RT: 13.614 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 91 Resp: 487742

Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.8	80.4
134	25.0	12.5	37.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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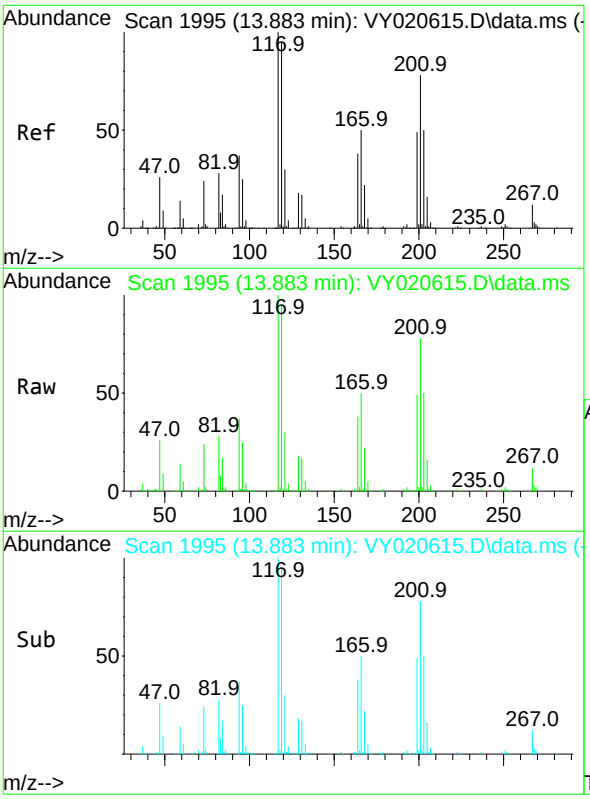
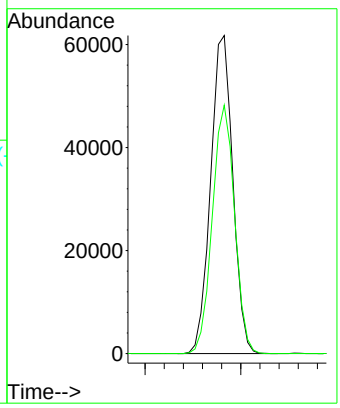
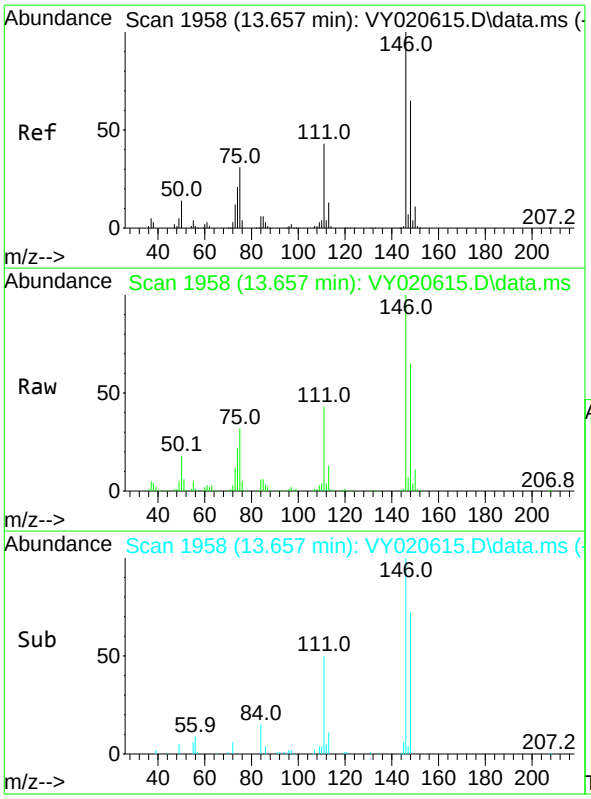


#90
Hexachloroethane
Concen: 50.134 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:117 Resp: 99360

Ion	Ratio	Lower	Upper
117	100		
201	78.2	39.1	117.3

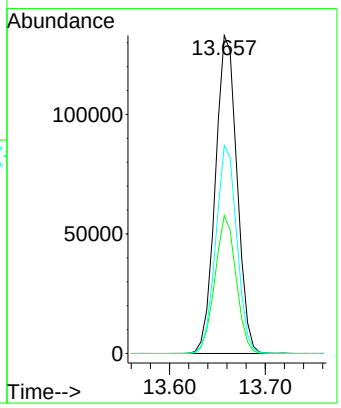




#91
1,2-Dichlorobenzene
Concen: 49.409 ug/l
RT: 13.657 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:146 Resp: 208977

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	63.7
148	64.0	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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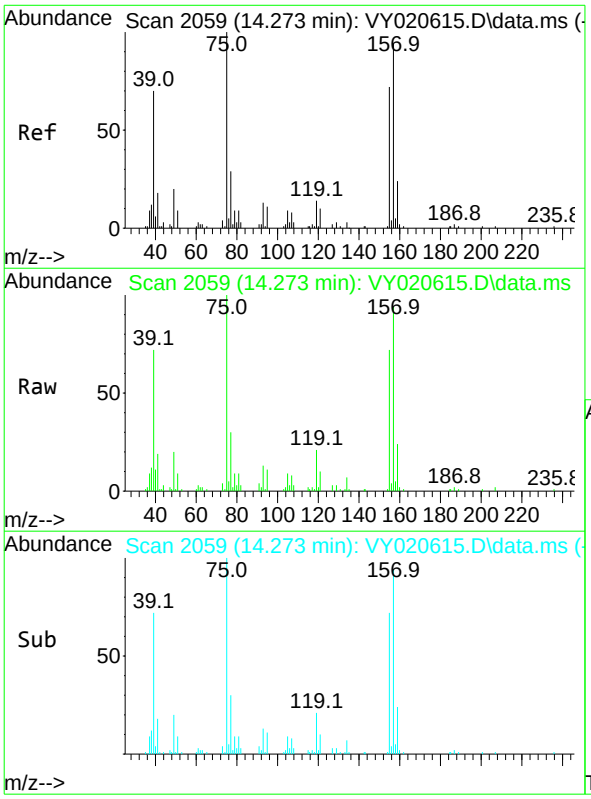
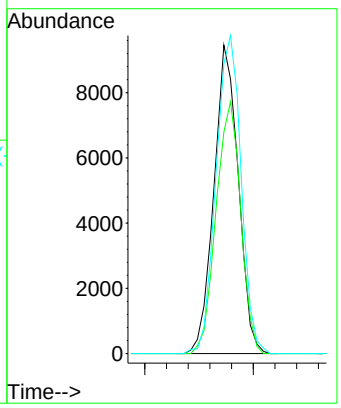
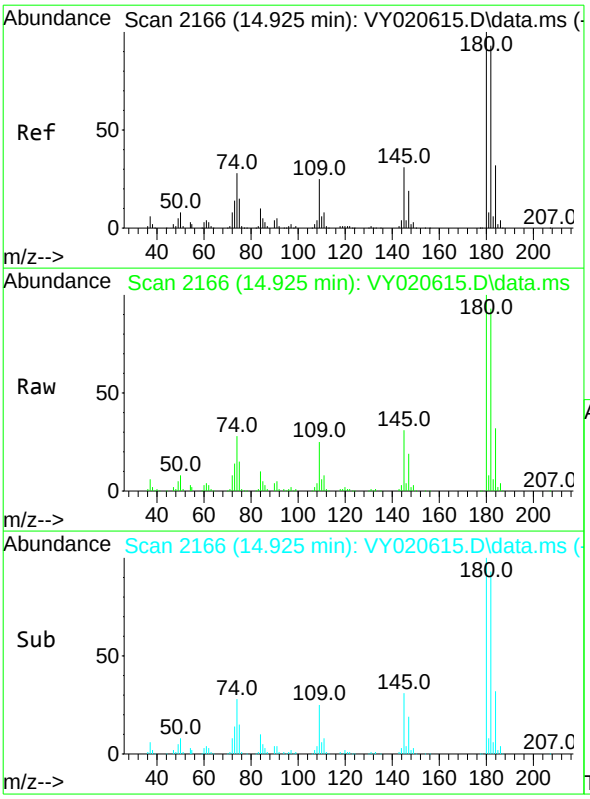


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.268 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 75 Resp: 14740

Ion	Ratio	Lower	Upper
75	100		
155	82.2	41.1	123.3
157	105.9	52.9	158.8





#93
1,2,4-Trichlorobenzene
Concen: 51.538 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

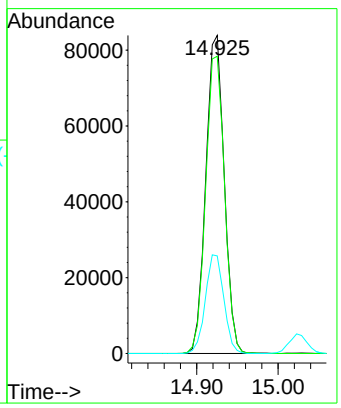
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

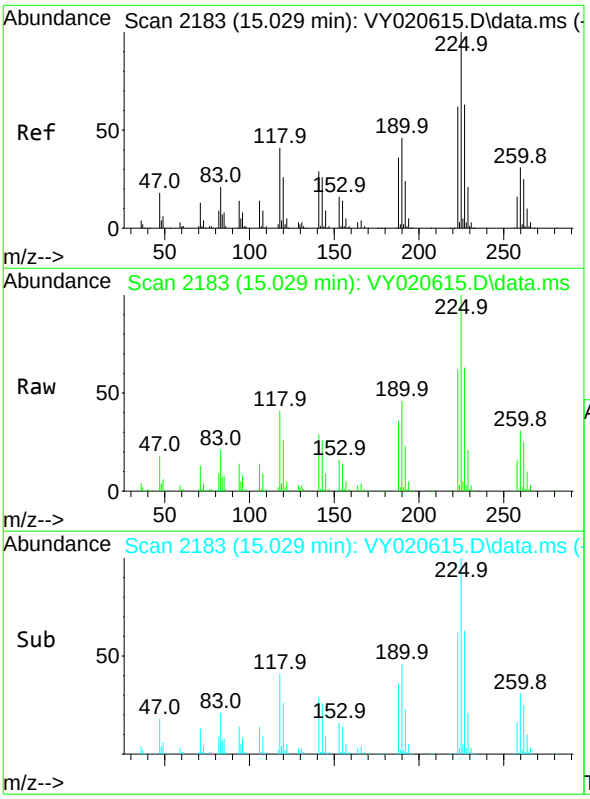
Tgt Ion:180 Resp: 131852

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.6
145	31.1	15.6	46.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

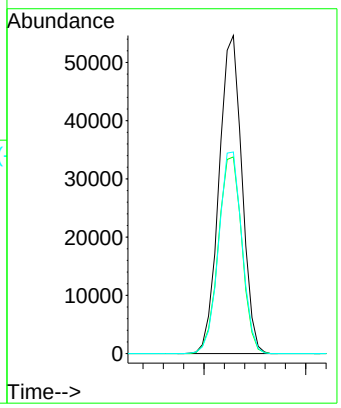


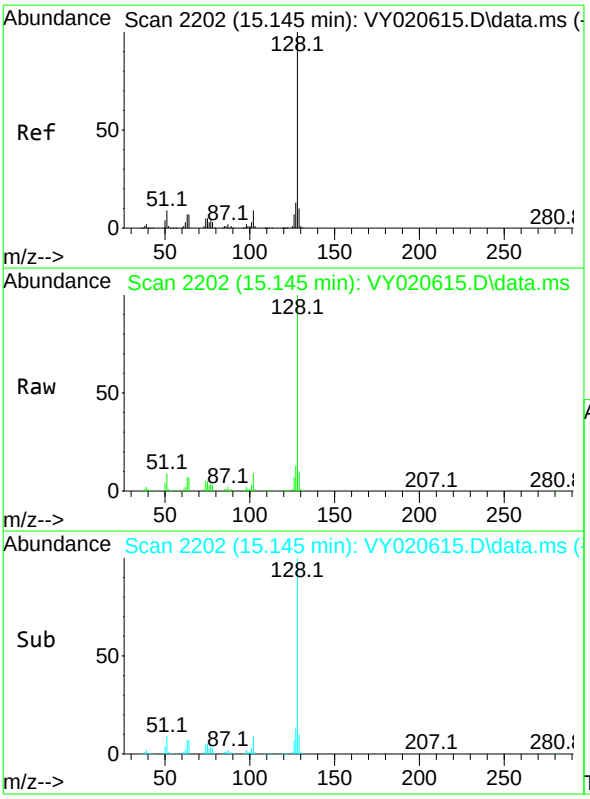


#94
Hexachlorobutadiene
Concen: 51.117 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:225 Resp: 85490

Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.8	95.3
227	64.4	32.2	96.6

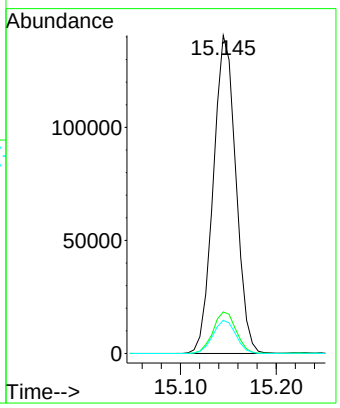




#95
Naphthalene
Concen: 52.434 ug/l
RT: 15.145 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:128 Resp: 229979

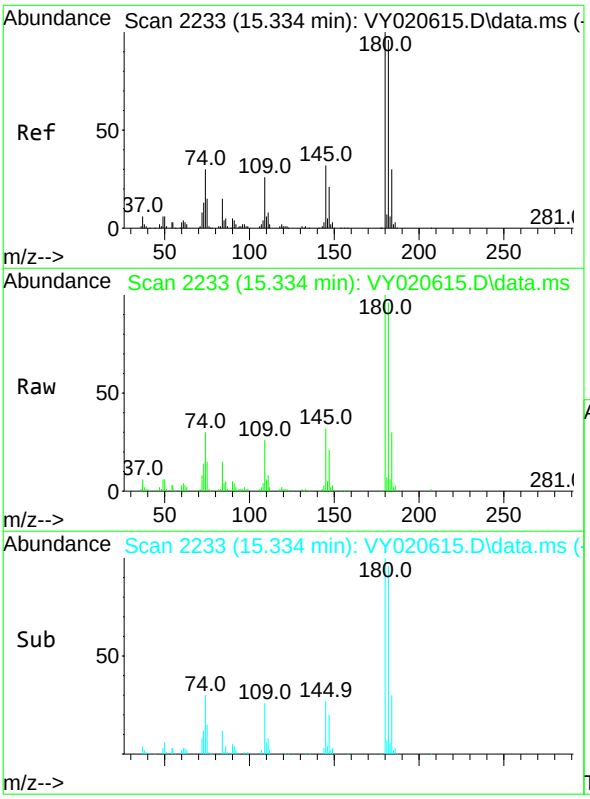
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.6	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

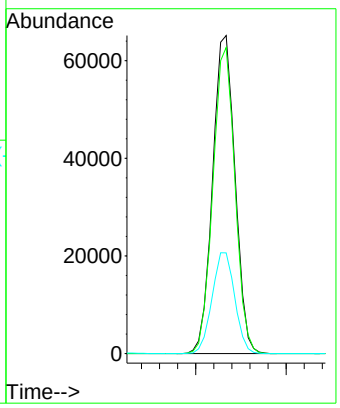
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#96
1,2,3-Trichlorobenzene
Concen: 51.976 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:180 Resp: 112349

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	32.0	16.0	48.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020616.D
Acq On : 17 Dec 2024 11:14
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 04:53:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	175469	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	270859	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	241570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	134321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	177978	92.612	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 185.220%#			
35) Dibromofluoromethane	7.634	113	175849	92.118	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 184.240%#			
50) Toluene-d8	10.103	98	619412	92.704	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 185.400%#			
62) 4-Bromofluorobenzene	12.401	95	234353	89.665	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 179.320%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.866	85	210949	96.249	ug/l	99
3) Chloromethane	2.068	50	149471	92.044	ug/l	98
4) Vinyl Chloride	2.202	62	154262	102.062	ug/l	99
5) Bromomethane	2.586	94	98824	101.715	ug/l	97
6) Chloroethane	2.732	64	95621	102.376	ug/l	99
7) Trichlorofluoromethane	3.055	101	308242	97.464	ug/l	98
8) Diethyl Ether	3.458	74	110471	99.599	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	227753	100.469	ug/l	99
10) Methyl Iodide	4.000	142	272999	108.168	ug/l	98
11) Tert butyl alcohol	4.860	59	92710	533.746	ug/l	100
12) 1,1-Dichloroethene	3.787	96	224015	101.847	ug/l	100
13) Acrolein	3.653	56	32525	357.929	ug/l	98
14) Allyl chloride	4.384	41	401452	104.161	ug/l	99
15) Acrylonitrile	5.055	53	268782	506.539	ug/l	99
16) Acetone	3.872	43	192907	512.024	ug/l	99
17) Carbon Disulfide	4.104	76	734236	102.553	ug/l	99
18) Methyl Acetate	4.384	43	137166	104.906	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	579813	102.132	ug/l	98
20) Methylene Chloride	4.610	84	233323	97.650	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	242695	98.365	ug/l	97
22) Diisopropyl ether	6.018	45	777568	99.391	ug/l	96
23) Vinyl Acetate	5.957	43	2271891	512.739	ug/l	100
24) 1,1-Dichloroethane	5.914	63	456073	99.510	ug/l	99
25) 2-Butanone	6.890	43	341489	478.150	ug/l	99
26) 2,2-Dichloropropane	6.884	77	402163	92.822	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	279676	98.523	ug/l	99
28) Bromochloromethane	7.243	49	175710	113.661	ug/l	98
29) Tetrahydrofuran	7.262	42	230877	512.090	ug/l	100
30) Chloroform	7.420	83	457070	105.160	ug/l	97
31) Cyclohexane	7.701	56	407104	92.899	ug/l	98
32) 1,1,1-Trichloroethane	7.615	97	415073	98.578	ug/l	100
36) 1,1-Dichloropropene	7.835	75	337138	96.854	ug/l	99
37) Ethyl Acetate	6.981	43	160241	97.867	ug/l	100
38) Carbon Tetrachloride	7.817	117	377406	97.998	ug/l	100
39) Methylcyclohexane	9.109	83	440006	96.986	ug/l	99
40) Benzene	8.079	78	1000543	98.064	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020616.D
Acq On : 17 Dec 2024 11:14
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 04:53:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	99381	114.810	ug/l	#	86
42) 1,2-Dichloroethane	8.158	62	270045	99.793	ug/l		100
43) Isopropyl Acetate	8.195	43	318902	102.879	ug/l		99
44) Trichloroethene	8.865	130	245474	97.912	ug/l		99
45) 1,2-Dichloropropane	9.139	63	238605	100.062	ug/l		99
46) Dibromomethane	9.231	93	126063	100.032	ug/l		99
47) Bromodichloromethane	9.420	83	339720	99.796	ug/l		97
48) Methyl methacrylate	9.219	41	154845	105.079	ug/l		99
49) 1,4-Dioxane	9.225	88	29870	2066.774	ug/l		97
51) 4-Methyl-2-Pentanone	9.993	43	814840	498.015	ug/l		100
52) Toluene	10.170	92	631368	99.573	ug/l		100
53) t-1,3-Dichloropropene	10.389	75	330795	104.287	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	386715	102.884	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	167205	100.352	ug/l		95
56) Ethyl methacrylate	10.438	69	263694	109.090	ug/l		98
57) 1,3-Dichloropropane	10.712	76	299884	100.965	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.706	63	536306	527.303	ug/l		100
59) 2-Hexanone	10.755	43	548285	521.929	ug/l		99
60) Dibromochloromethane	10.907	129	228154	102.389	ug/l		99
61) 1,2-Dibromoethane	11.011	107	156883	101.225	ug/l		100
64) Tetrachloroethene	10.645	164	215415	94.803	ug/l		97
65) Chlorobenzene	11.438	112	667347	98.800	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	229790	99.489	ug/l		99
67) Ethyl Benzene	11.517	91	1228775	98.607	ug/l		99
68) m/p-Xylenes	11.627	106	910536	196.521	ug/l		99
69) o-Xylene	11.956	106	428727	99.174	ug/l		97
70) Styrene	11.968	104	725167	100.401	ug/l		100
71) Bromoform	12.133	173	131589	101.332	ug/l	#	98
73) Isopropylbenzene	12.255	105	1150948	98.191	ug/l		100
74) N-amyl acetate	12.066	43	292377	106.582	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	190664	100.209	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	137213m	99.183	ug/l		
77) Bromobenzene	12.529	156	253587	99.317	ug/l		100
78) n-propylbenzene	12.596	91	1383699	97.980	ug/l		99
79) 2-Chlorotoluene	12.675	91	787764	99.147	ug/l		99
80) 1,3,5-Trimethylbenzene	12.736	105	933106	98.108	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	70365	105.852	ug/l		100
82) 4-Chlorotoluene	12.779	91	804177	97.558	ug/l		100
83) tert-Butylbenzene	12.999	119	853675	99.108	ug/l		100
84) 1,2,4-Trimethylbenzene	13.041	105	921051	98.727	ug/l		99
85) sec-Butylbenzene	13.175	105	1220465	97.450	ug/l		100
86) p-Isopropyltoluene	13.291	119	1023181	99.089	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	492097	97.633	ug/l		99
88) 1,4-Dichlorobenzene	13.364	146	482756	96.707	ug/l		99
89) n-Butylbenzene	13.614	91	966758	98.789	ug/l		99
90) Hexachloroethane	13.883	117	202399	98.910	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	430383	98.552	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	30584	99.008	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	276806	104.790	ug/l		99
94) Hexachlorobutadiene	15.023	225	170325	98.635	ug/l		99
95) Naphthalene	15.145	128	511948	113.046	ug/l		99
96) 1,2,3-Trichlorobenzene	15.327	180	234803	105.207	ug/l		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020616.D
Acq On : 17 Dec 2024 11:14
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 04:53:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

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

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

ICAL Form

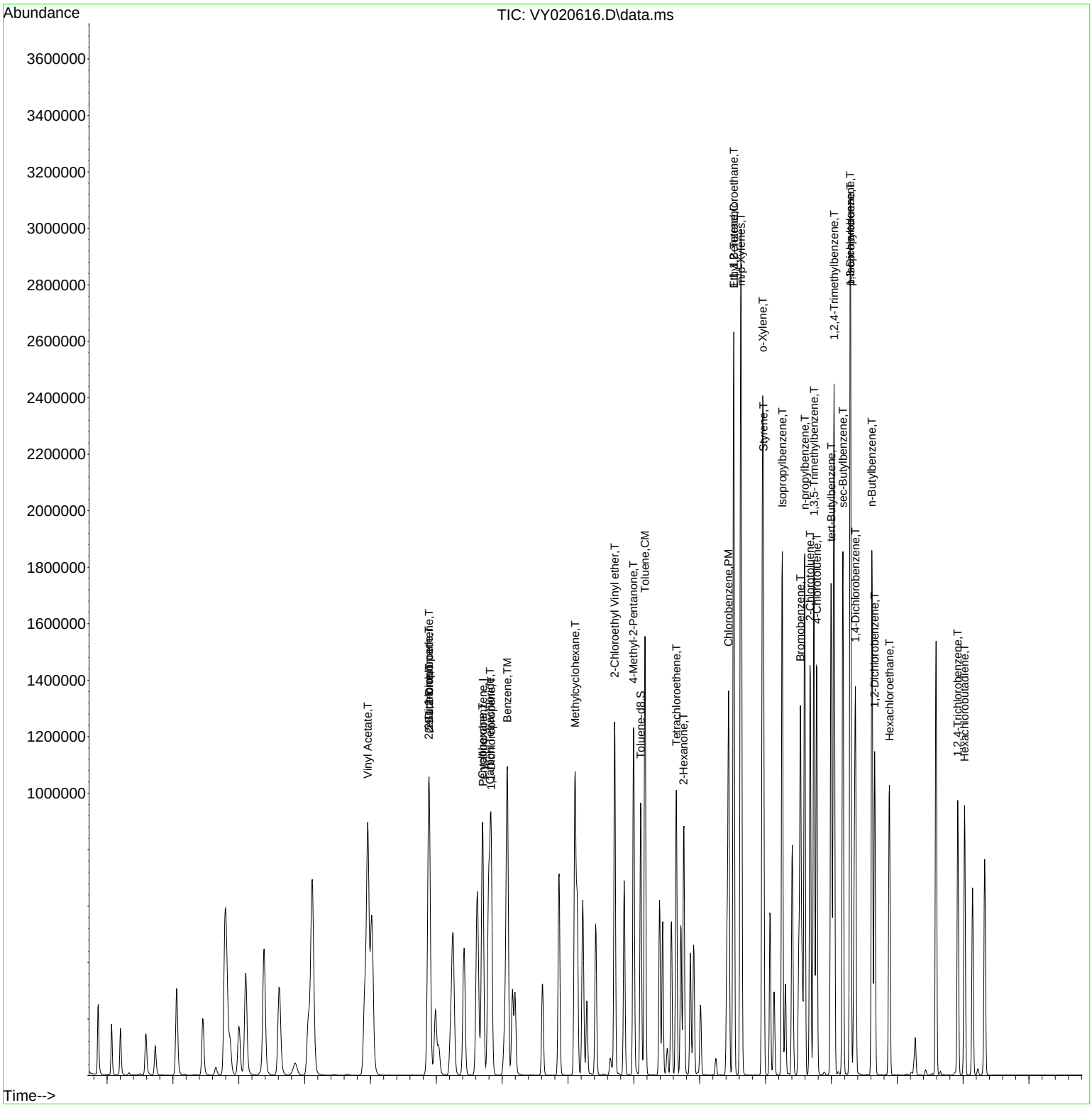
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020616.D
Acq On : 17 Dec 2024 11:14
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

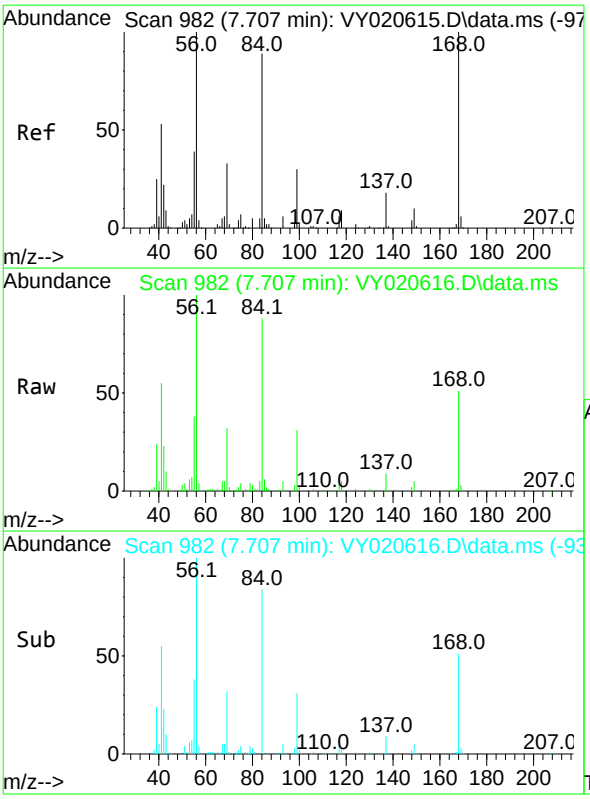
Quant Time: Dec 18 04:53:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

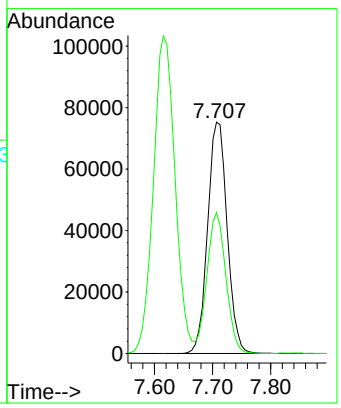




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:168 Resp: 175469

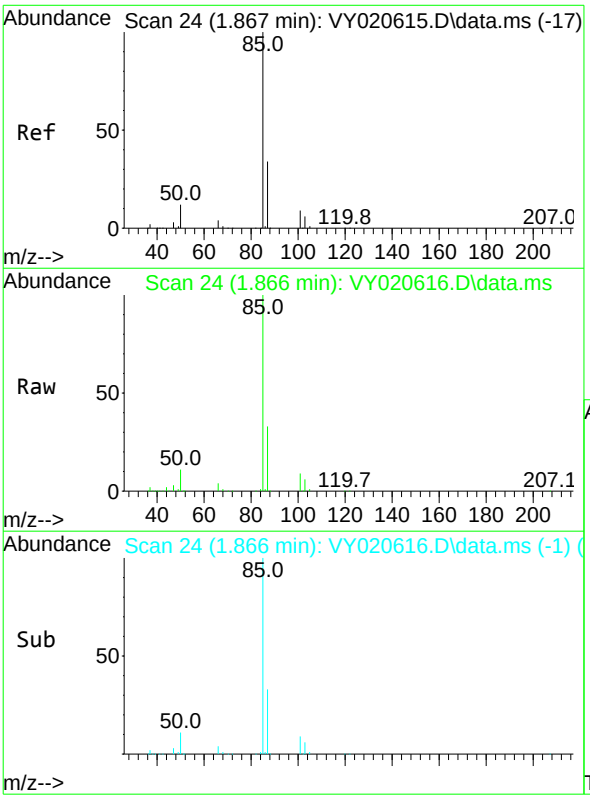
Ion	Ratio	Lower	Upper
168	100		
99	61.0	47.0	70.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

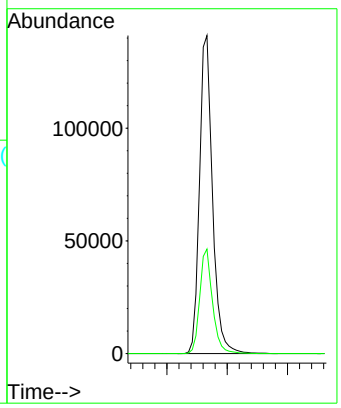
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

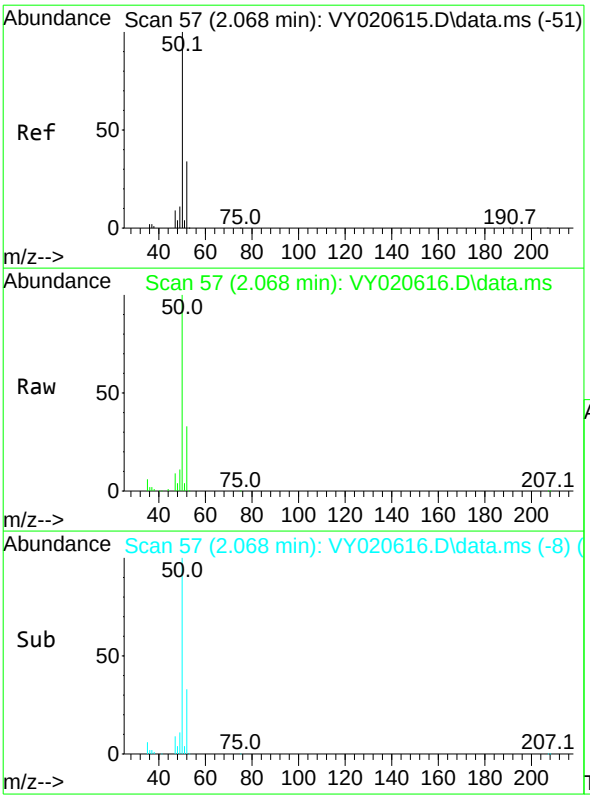


#2
Dichlorodifluoromethane
Concen: 96.249 ug/l
RT: 1.866 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 85 Resp: 210949

Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.8	50.3

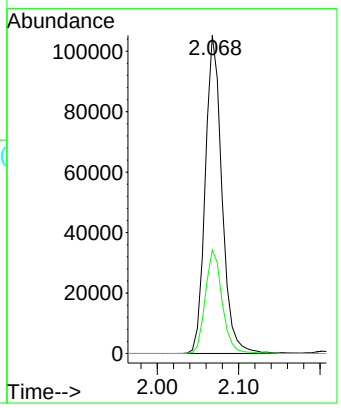




#3
Chloromethane
Concen: 92.044 ug/l
RT: 2.068 min Scan# 57
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 50 Resp: 149471

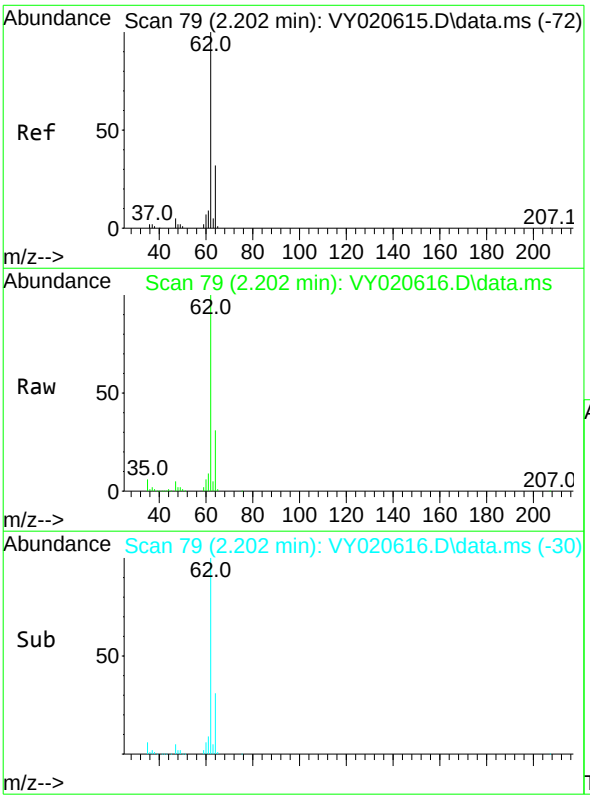
Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

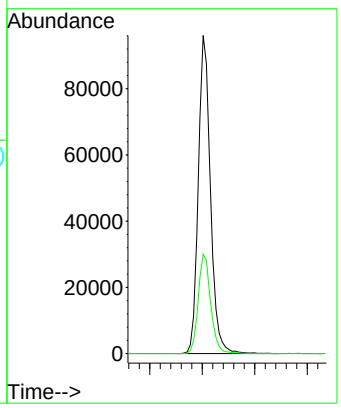
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

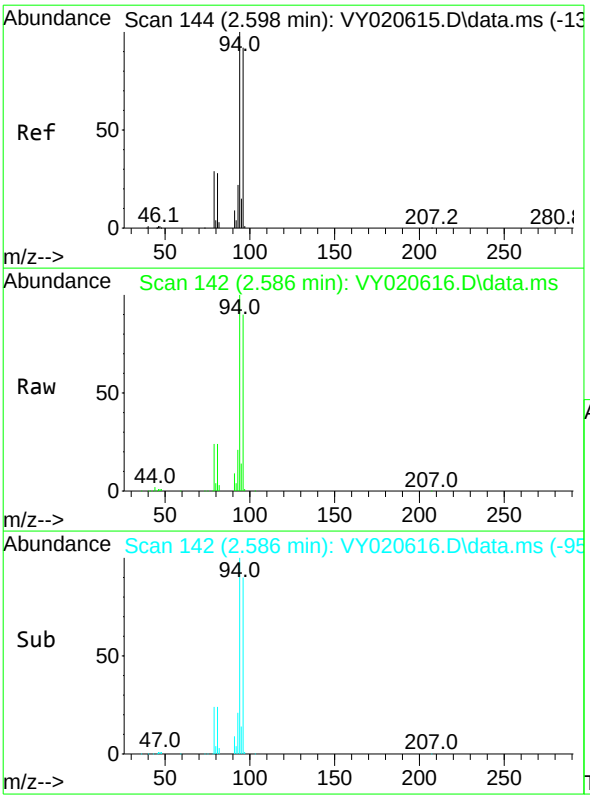


#4
Vinyl Chloride
Concen: 102.062 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 62 Resp: 154262

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.3	37.9

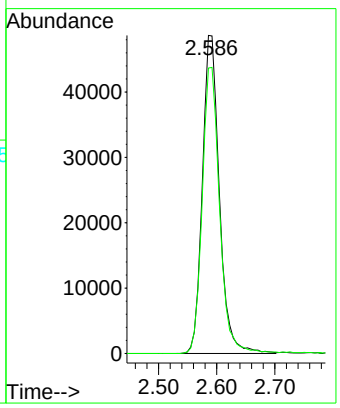




#5
Bromomethane
Concen: 101.715 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 94 Resp: 98824

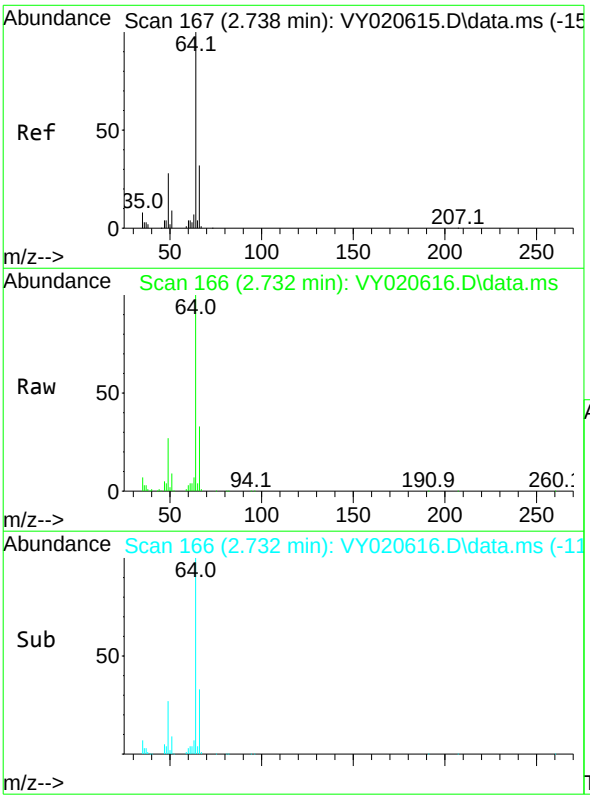
Ion	Ratio	Lower	Upper
94	100		
96	89.7	73.8	110.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

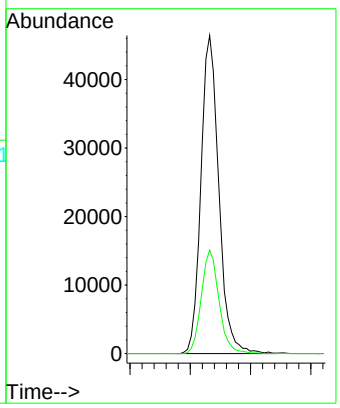
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

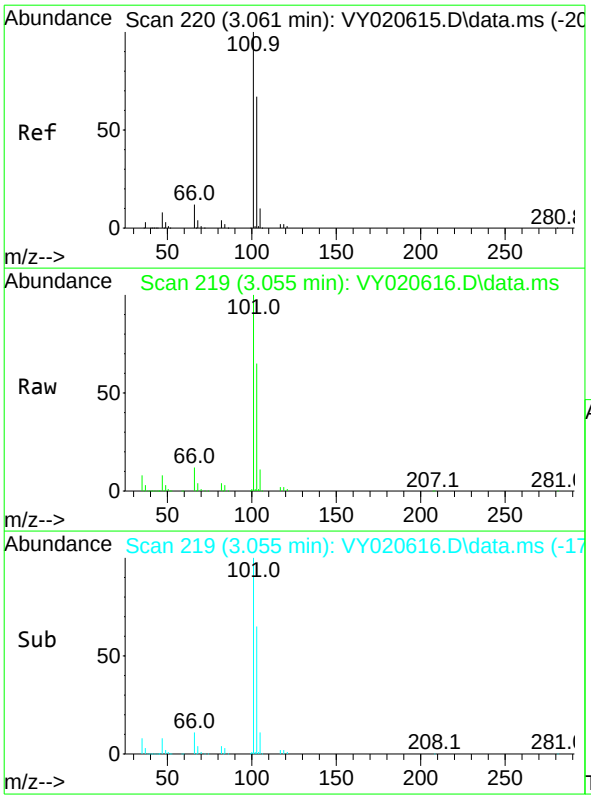


#6
Chloroethane
Concen: 102.376 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 64 Resp: 95621

Ion	Ratio	Lower	Upper
64	100		
66	32.6	25.8	38.6

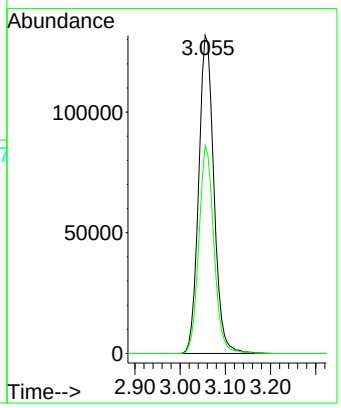




#7
Trichlorofluoromethane
Concen: 97.464 ug/l
RT: 3.055 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:101 Resp: 308242

Ion	Ratio	Lower	Upper
101	100		
103	65.4	53.4	80.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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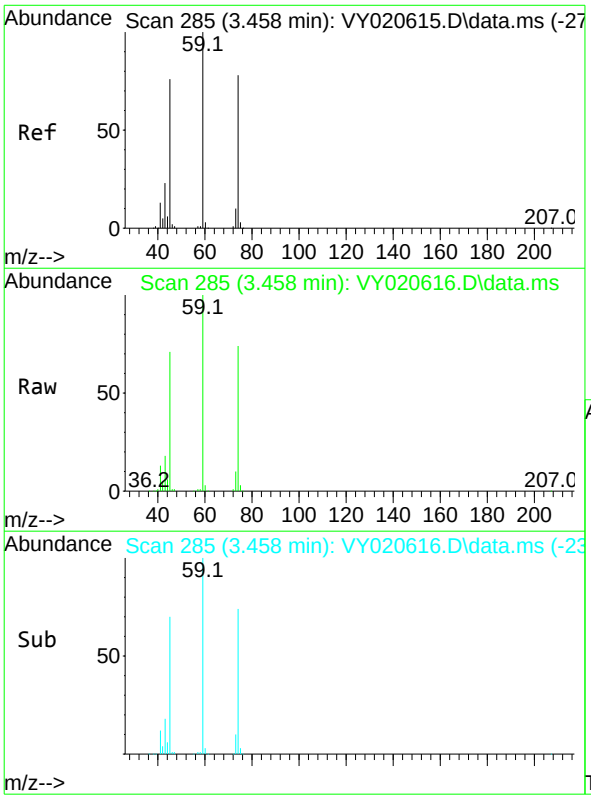
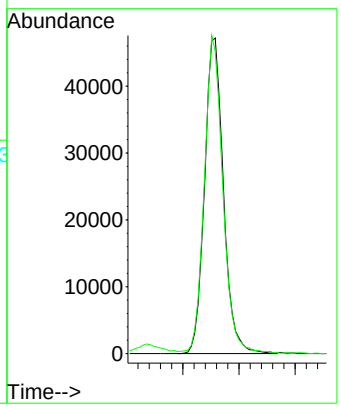
Supervised By :Semsettin Yesilyurt 12/18/2024

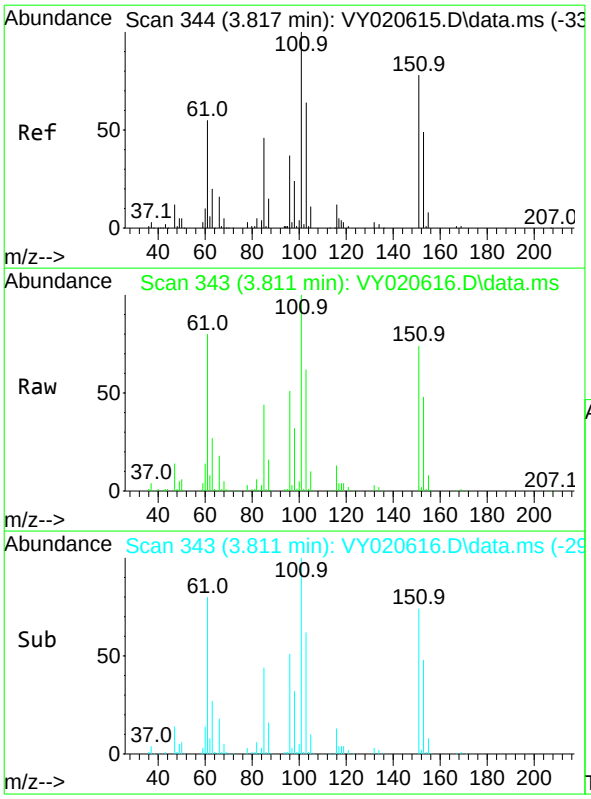


#8
Diethyl Ether
Concen: 99.599 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 74 Resp: 110471

Ion	Ratio	Lower	Upper
74	100		
45	98.7	49.0	147.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 100.469 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 227753

Ion	Ratio	Lower	Upper
101	100		
85	45.9	36.6	54.8
151	76.3	61.5	92.3

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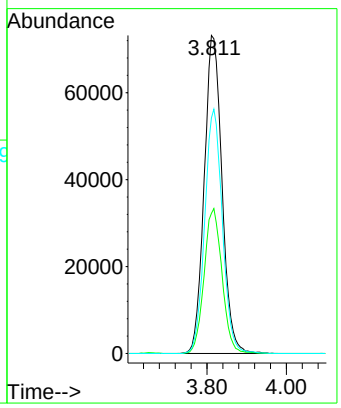
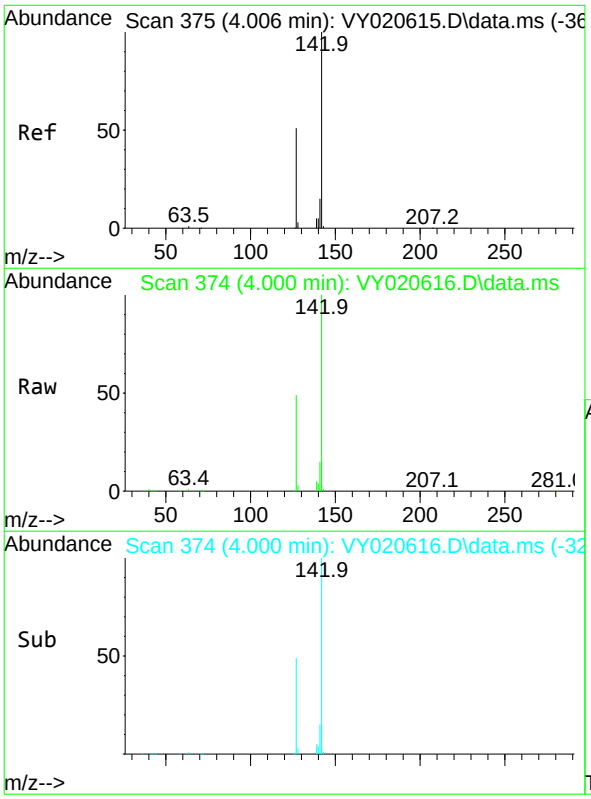
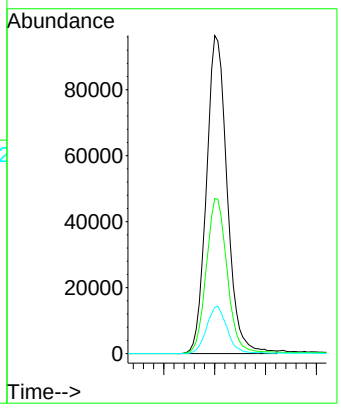


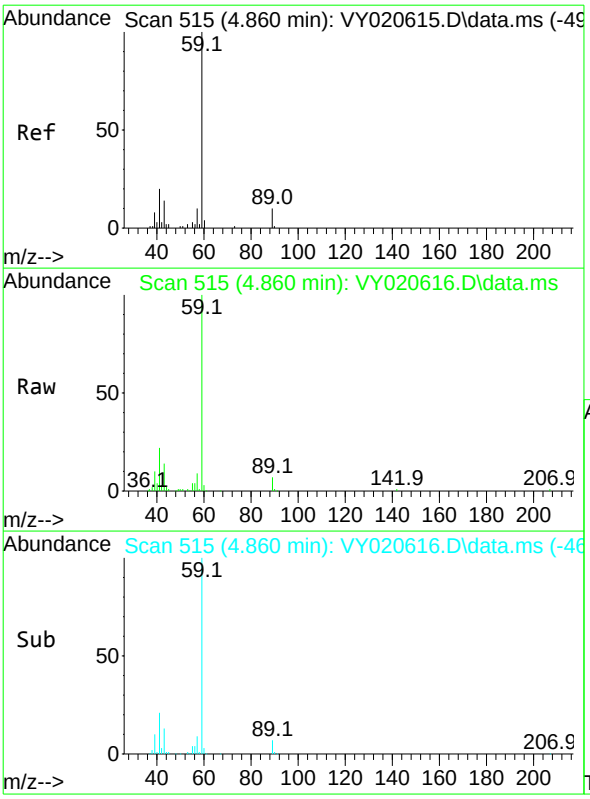


#10
Methyl Iodide
Concen: 108.168 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:142 Resp: 272999

Ion	Ratio	Lower	Upper
142	100		
127	49.5	40.6	61.0
141	14.8	11.7	17.5

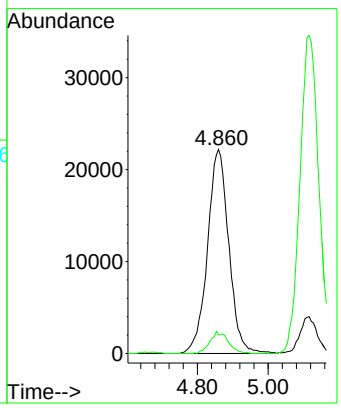




#11
Tert butyl alcohol
Concen: 533.746 ug/l
RT: 4.860 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 59 Resp: 92710

Ion	Ratio	Lower	Upper
59	100		
57	9.1	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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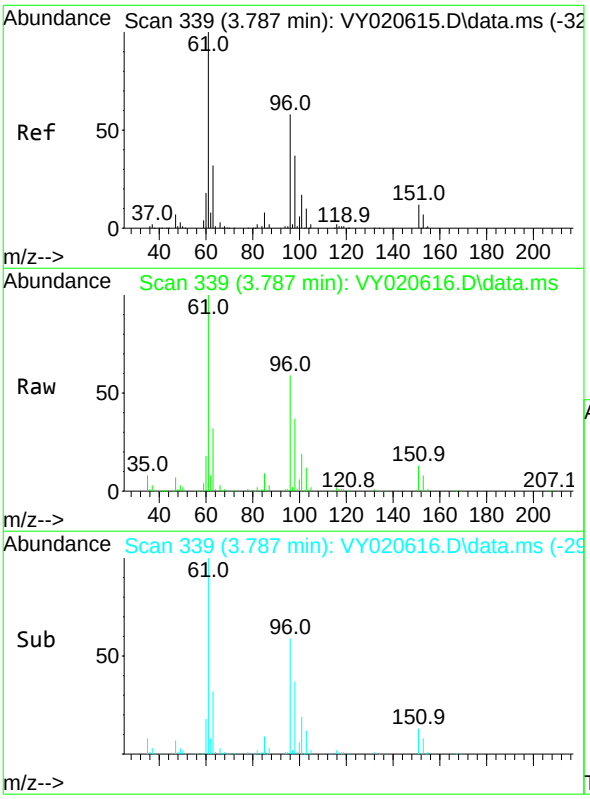
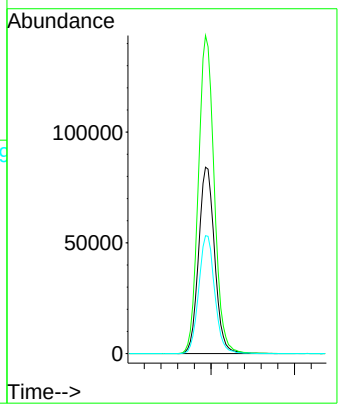
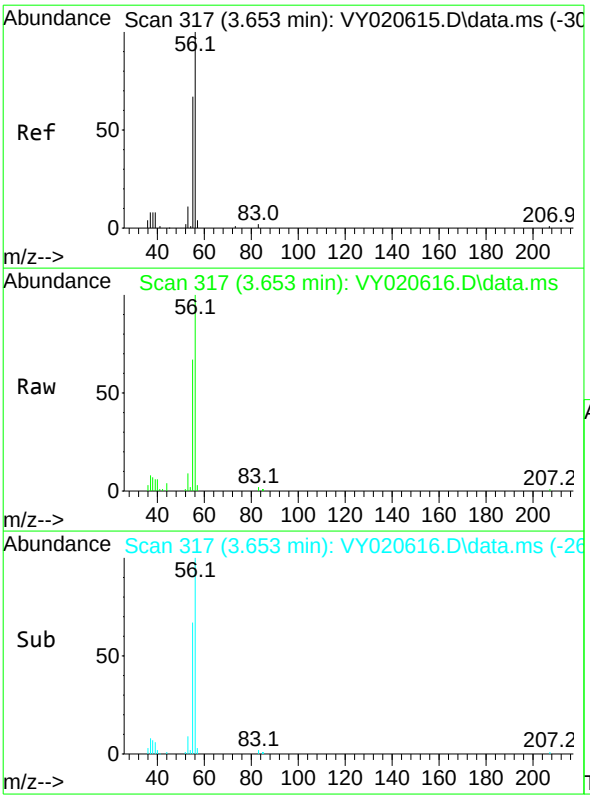


#12
1,1-Dichloroethene
Concen: 101.847 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 96 Resp: 224015

Ion	Ratio	Lower	Upper
96	100		
61	170.6	136.9	205.3
98	63.2	50.2	75.4

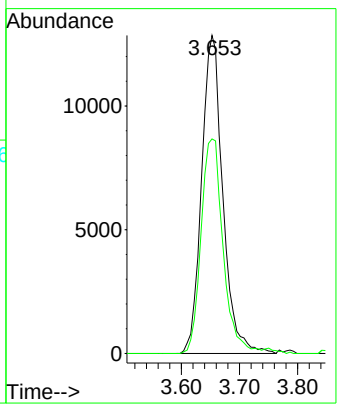




#13
Acrolein
Concen: 357.929 ug/l
RT: 3.653 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 56 Resp: 32525

Ion	Ratio	Lower	Upper
56	100		
55	70.0	57.5	86.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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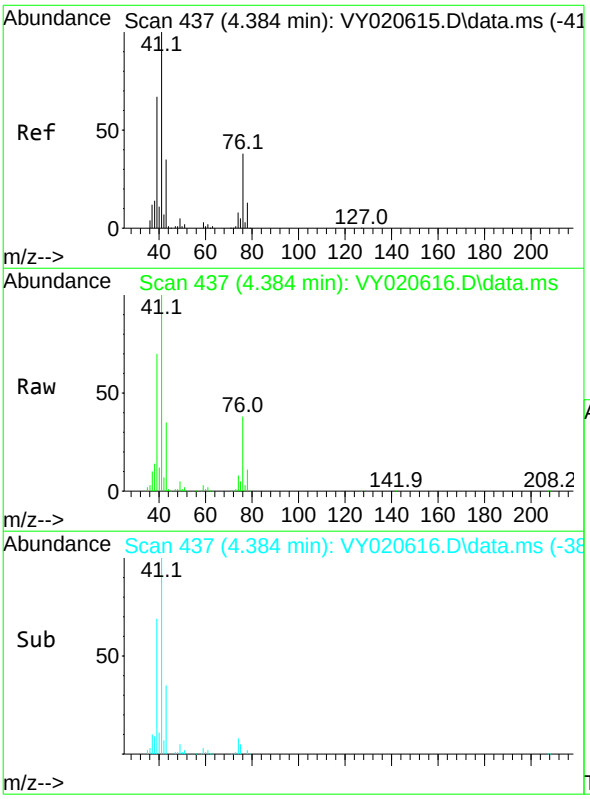
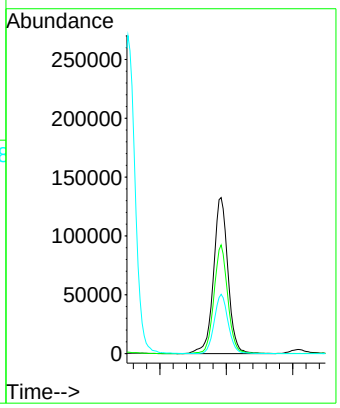
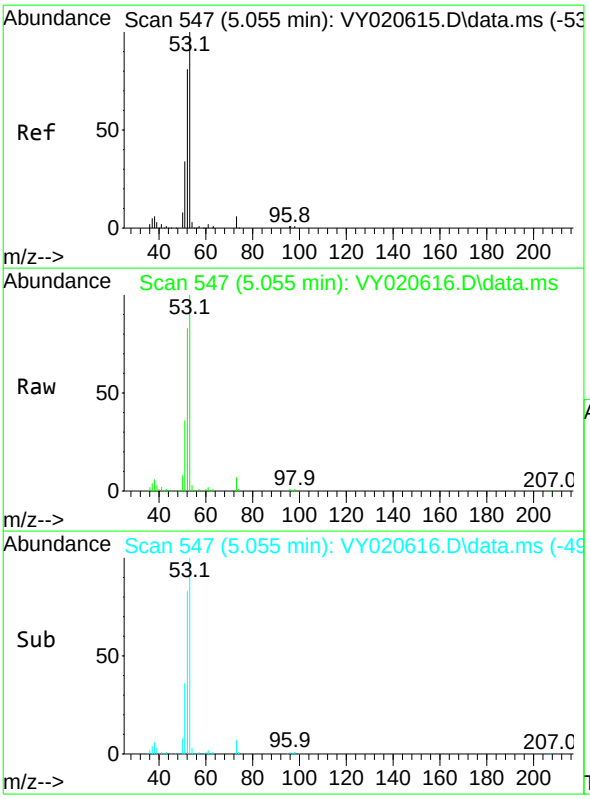


#14
Allyl chloride
Concen: 104.161 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 41 Resp: 401452

Ion	Ratio	Lower	Upper
41	100		
39	66.2	53.0	79.4
76	36.1	29.5	44.3

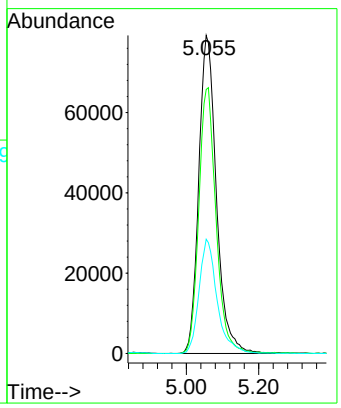




#15
Acrylonitrile
Concen: 506.539 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 53 Resp: 268782

Ion	Ratio	Lower	Upper
53	100		
52	81.7	64.5	96.7
51	36.7	29.4	44.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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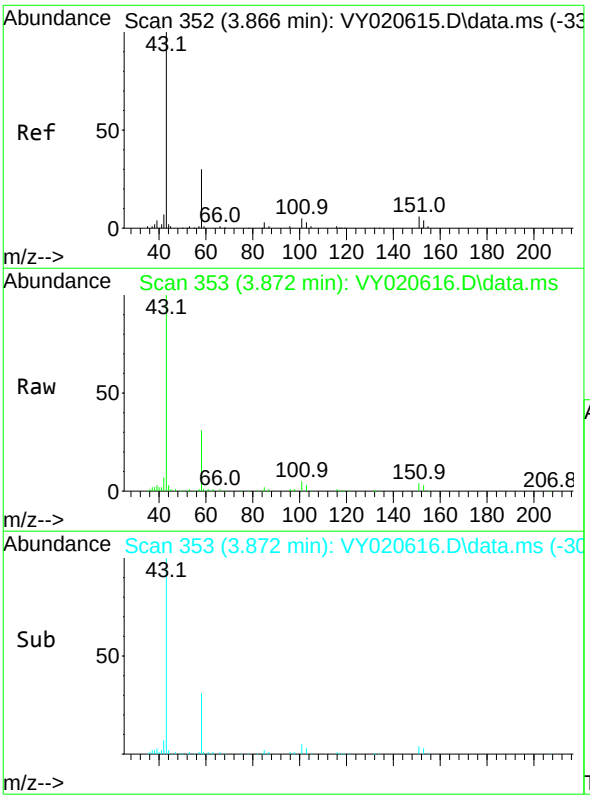
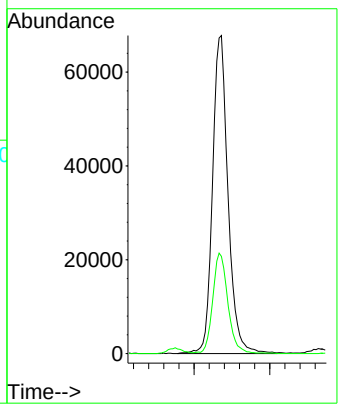
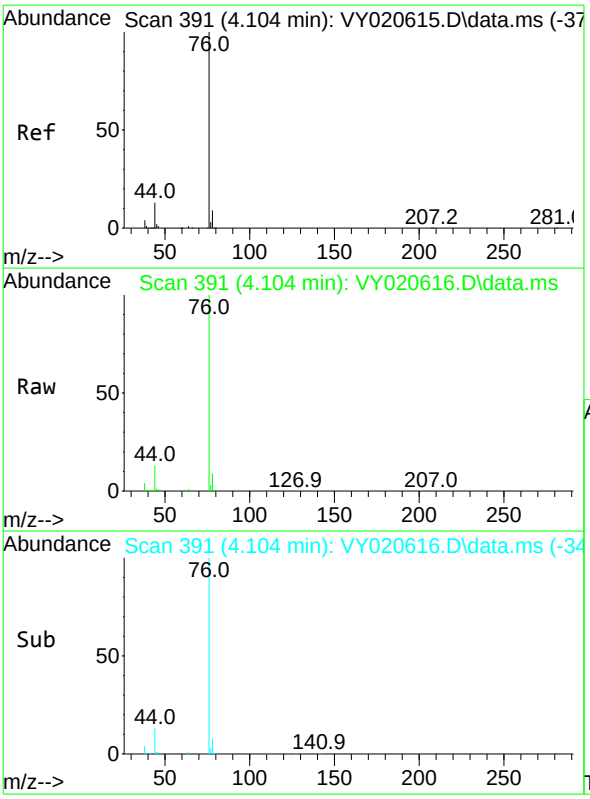


#16
Acetone
Concen: 512.024 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 43 Resp: 192907

Ion	Ratio	Lower	Upper
43	100		
58	30.6	25.0	37.6

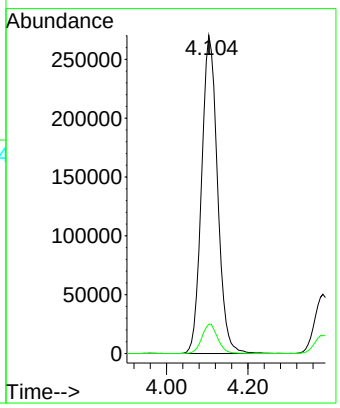




#17
Carbon Disulfide
Concen: 102.553 ug/l
RT: 4.104 min Scan# 39
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 76 Resp: 734236

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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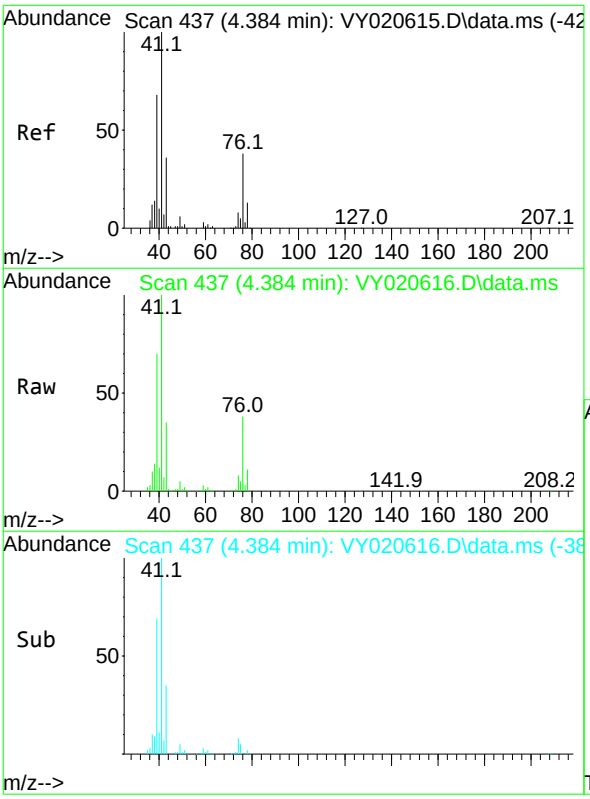
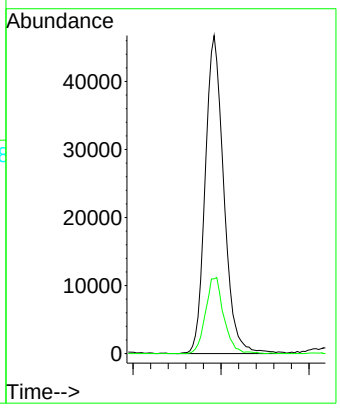
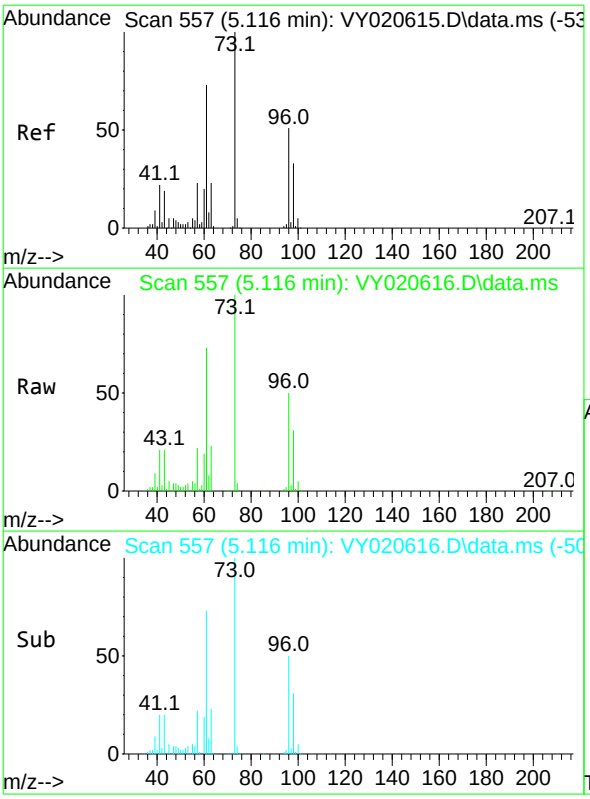


#18
Methyl Acetate
Concen: 104.906 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 43 Resp: 137166

Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.2	28.8

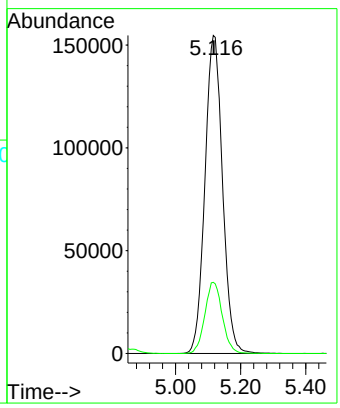




#19
Methyl tert-butyl Ether
Concen: 102.132 ug/l
RT: 5.116 min Scan# 55
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 73 Resp: 579813

Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.5	27.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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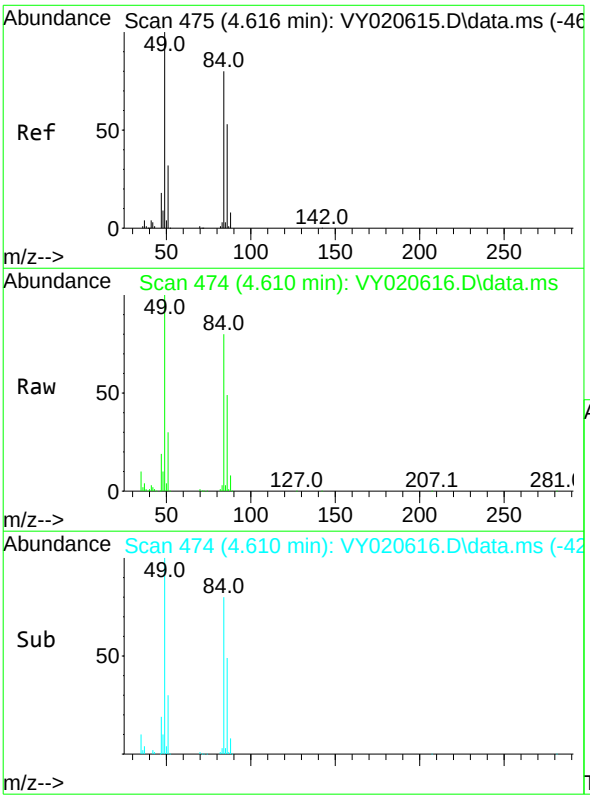
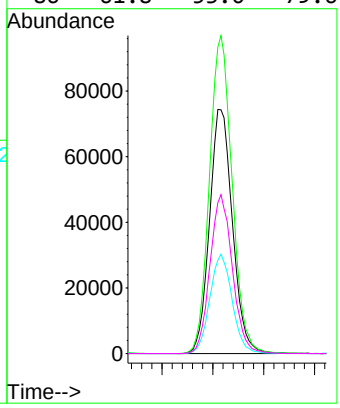
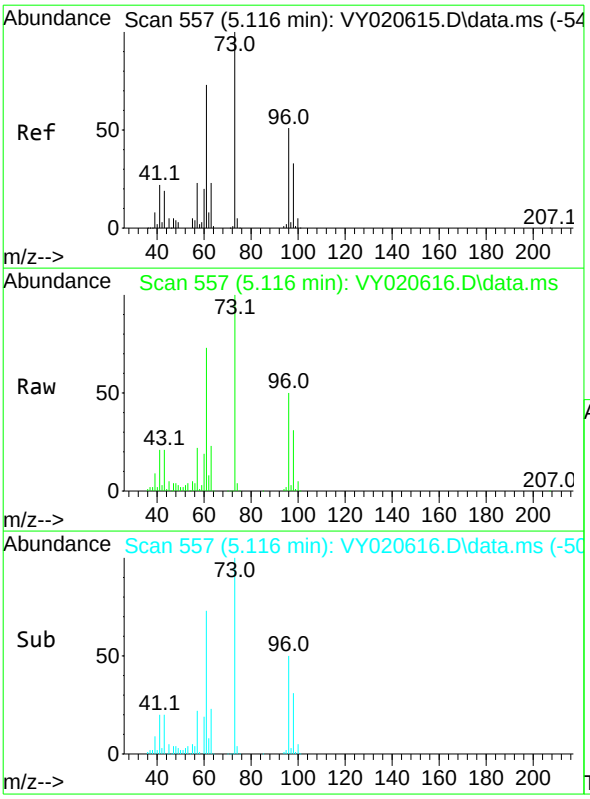


#20
Methylene Chloride
Concen: 97.650 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 84 Resp: 233323

Ion	Ratio	Lower	Upper
84	100		
49	125.5	100.7	151.1
51	38.2	32.2	48.2
86	61.8	53.0	79.6

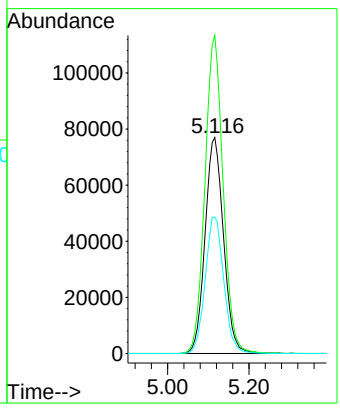




#21
trans-1,2-Dichloroethene
Concen: 98.365 ug/l
RT: 5.116 min Scan# 55
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 96 Resp: 242695

Ion	Ratio	Lower	Upper
96	100		
61	147.3	113.7	170.5
98	63.2	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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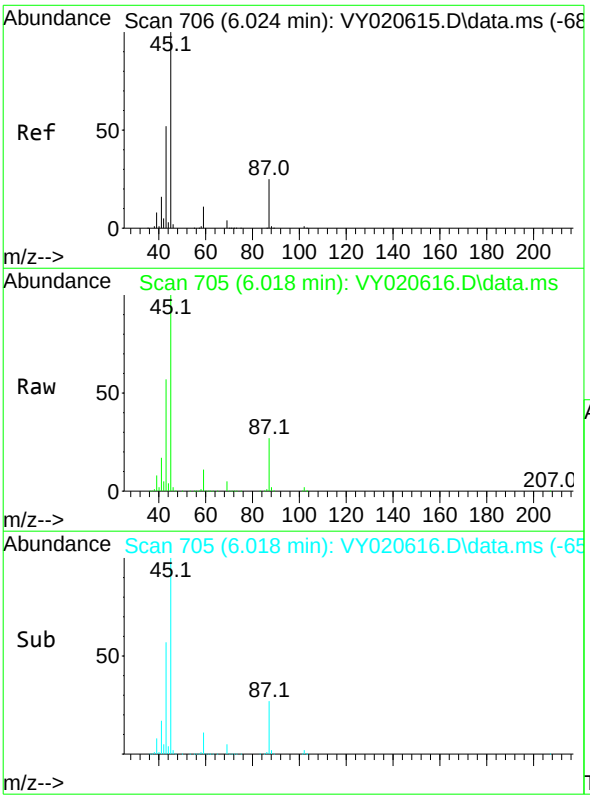
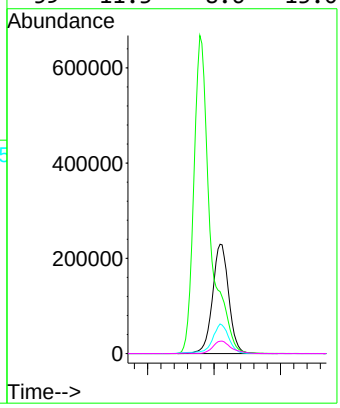
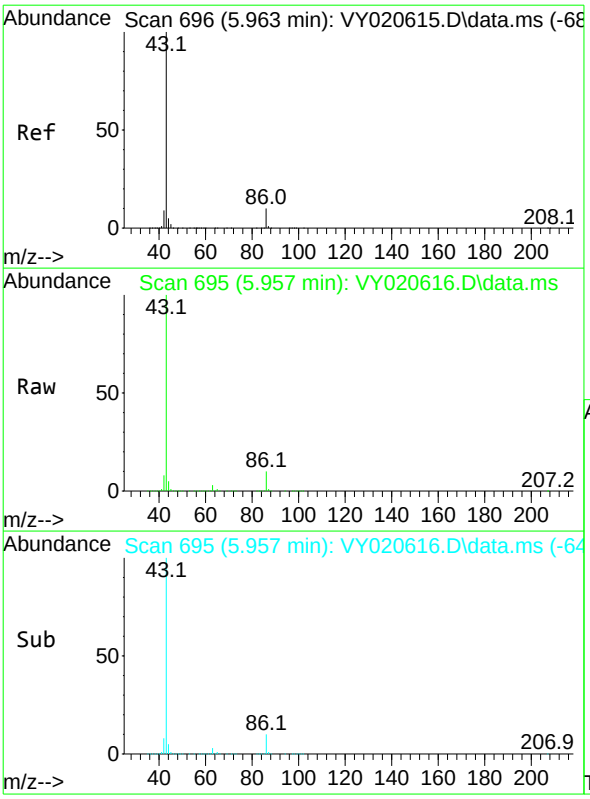


#22
Diisopropyl ether
Concen: 99.391 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 45 Resp: 777568

Ion	Ratio	Lower	Upper
45	100		
43	56.5	42.6	64.0
87	27.1	20.6	31.0
59	11.3	8.6	13.0





#23
Vinyl Acetate
Concen: 512.739 ug/l
RT: 5.957 min Scan# 69
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 43 Resp: 2271891

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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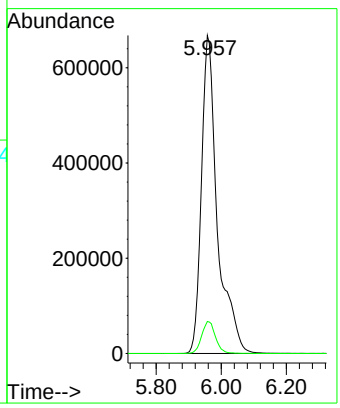
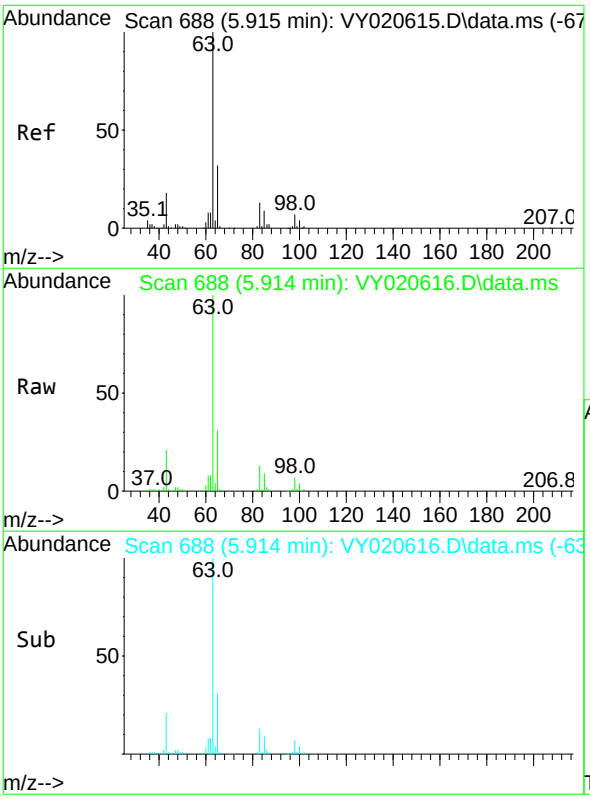
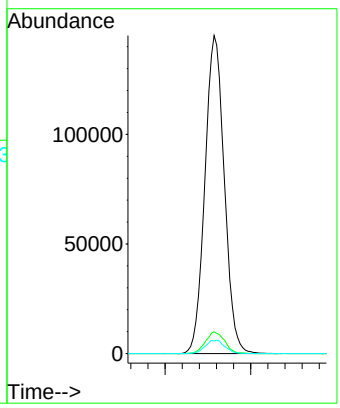


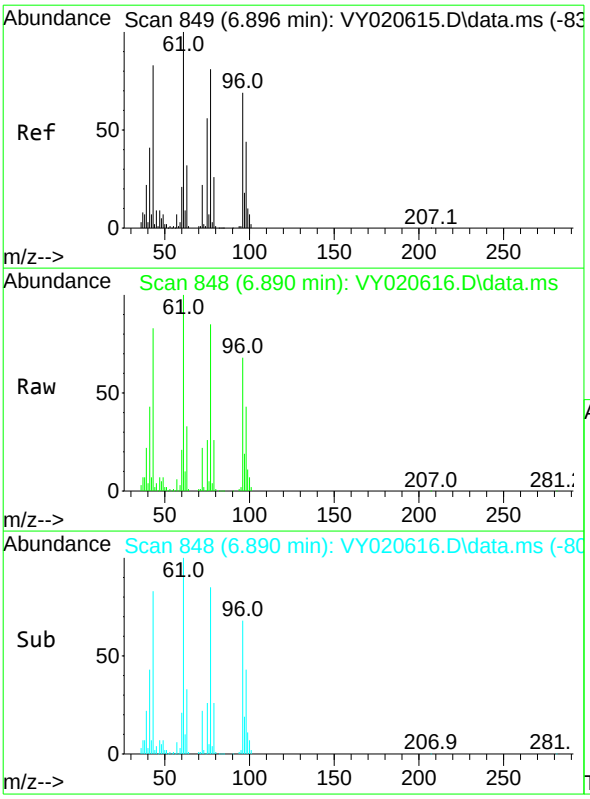


#24
1,1-Dichloroethane
Concen: 99.510 ug/l
RT: 5.914 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 63 Resp: 456073

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.4	10.1
100	4.0	2.1	6.5

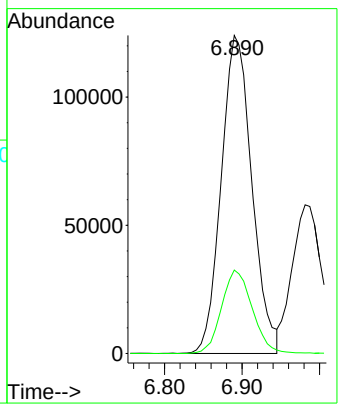




#25
2-Butanone
Concen: 478.150 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 43 Resp: 341489

Ion	Ratio	Lower	Upper
43	100		
72	26.2	20.6	31.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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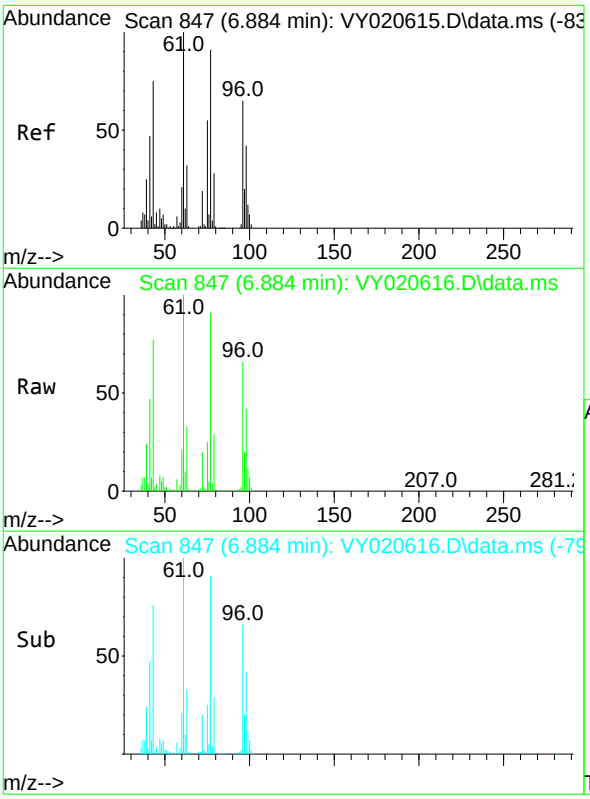
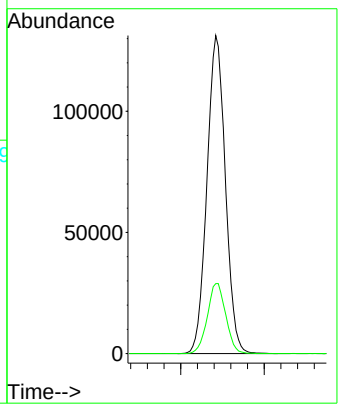
Supervised By :Semsettin Yesilyurt 12/18/2024

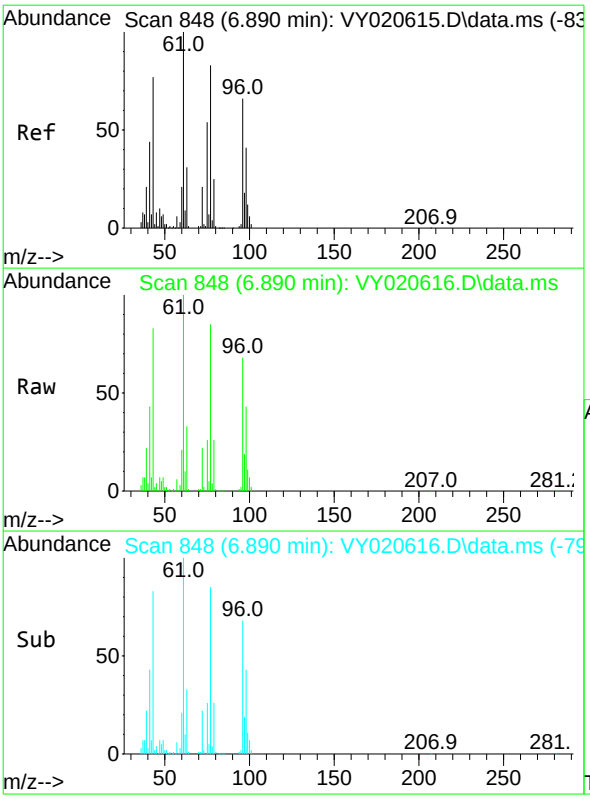


#26
2,2-Dichloropropane
Concen: 92.822 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 77 Resp: 402163

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.6

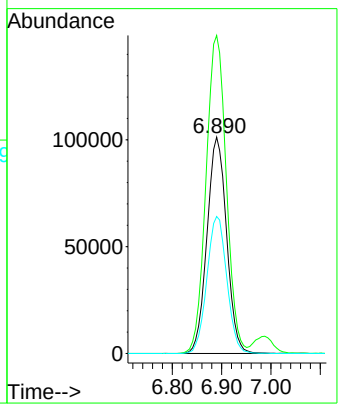




#27
cis-1,2-Dichloroethene
Concen: 98.523 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 96 Resp: 279676

Ion	Ratio	Lower	Upper
96	100		
61	151.7	0.0	306.2
98	64.4	0.0	127.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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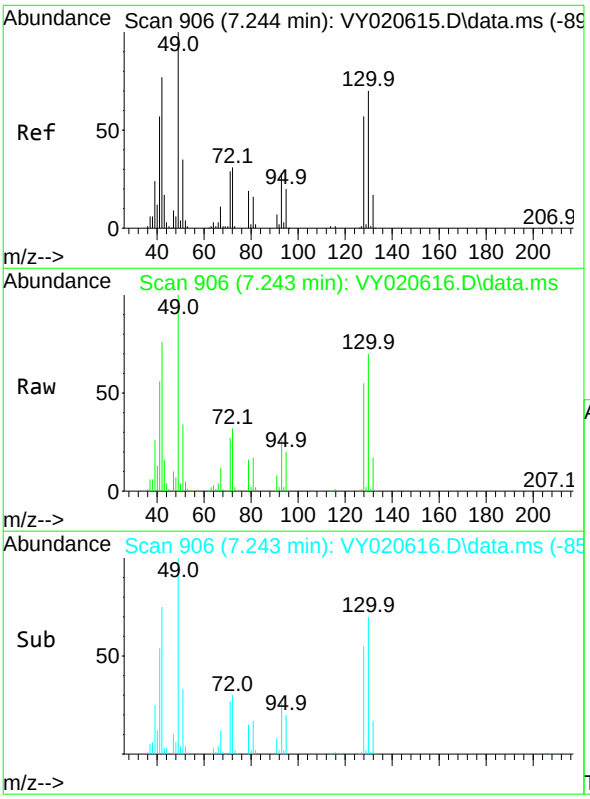
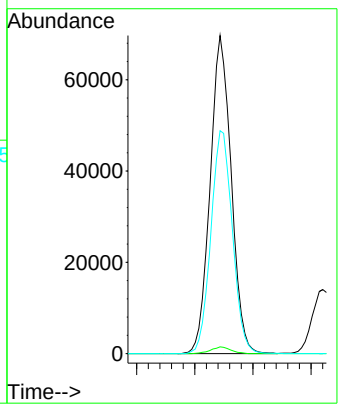
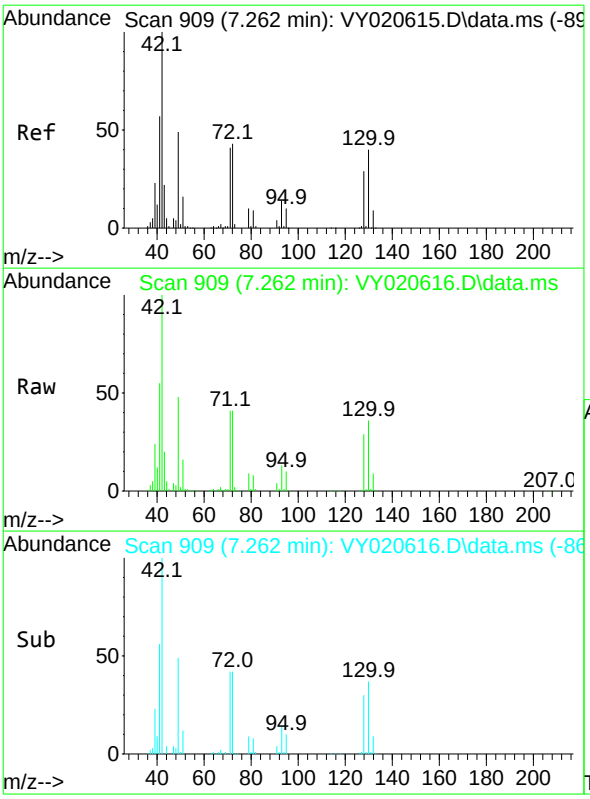


#28
Bromochloromethane
Concen: 113.661 ug/l
RT: 7.243 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 49 Resp: 175710

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	71.4	58.3	87.5

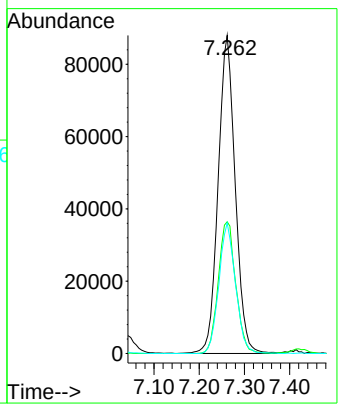




#29
Tetrahydrofuran
Concen: 512.090 ug/l
RT: 7.262 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 42 Resp: 230877

Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.0	51.0
71	39.9	31.6	47.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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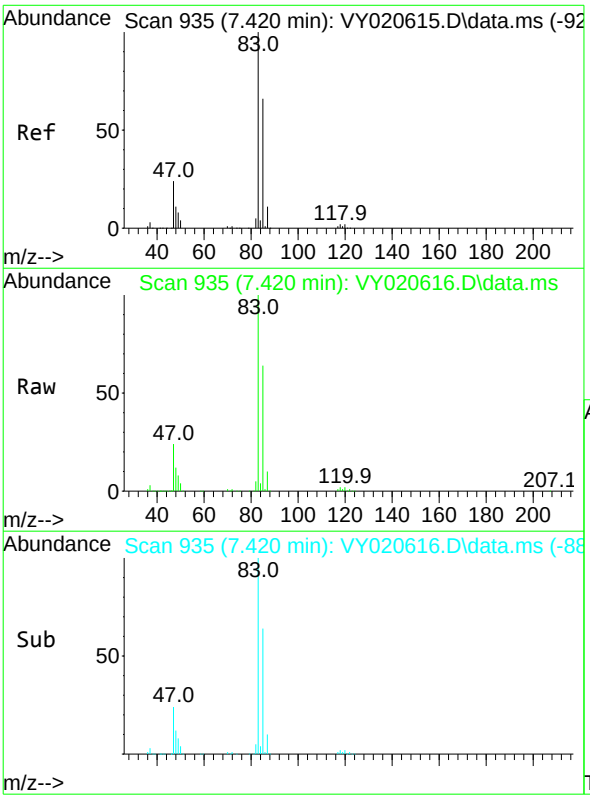
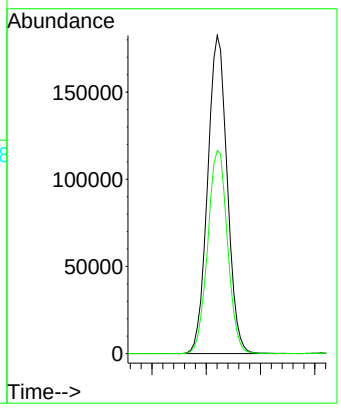
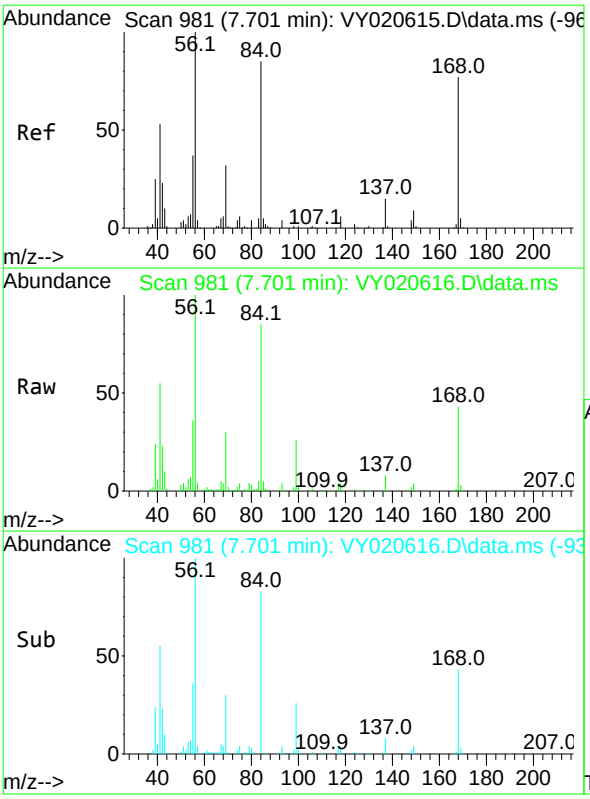


#30
Chloroform
Concen: 105.160 ug/l
RT: 7.420 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 83 Resp: 457070

Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.7	79.1

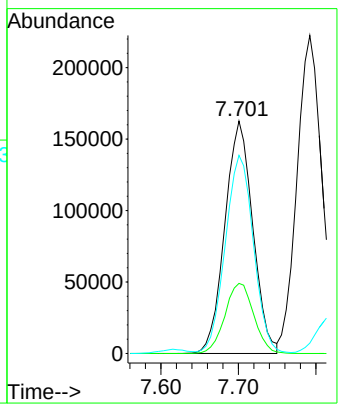




#31
Cyclohexane
Concen: 92.899 ug/l
RT: 7.701 min Scan# 98
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 56 Resp: 407104

Ion	Ratio	Lower	Upper
56	100		
69	30.2	25.4	38.0
84	83.7	68.3	102.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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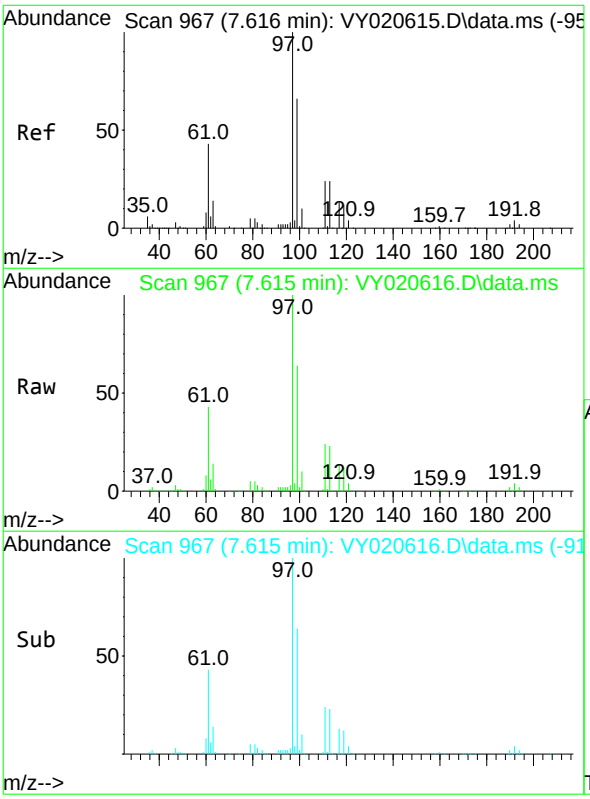
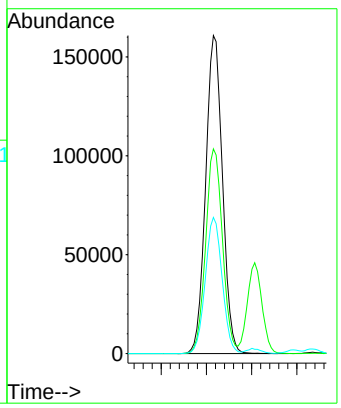
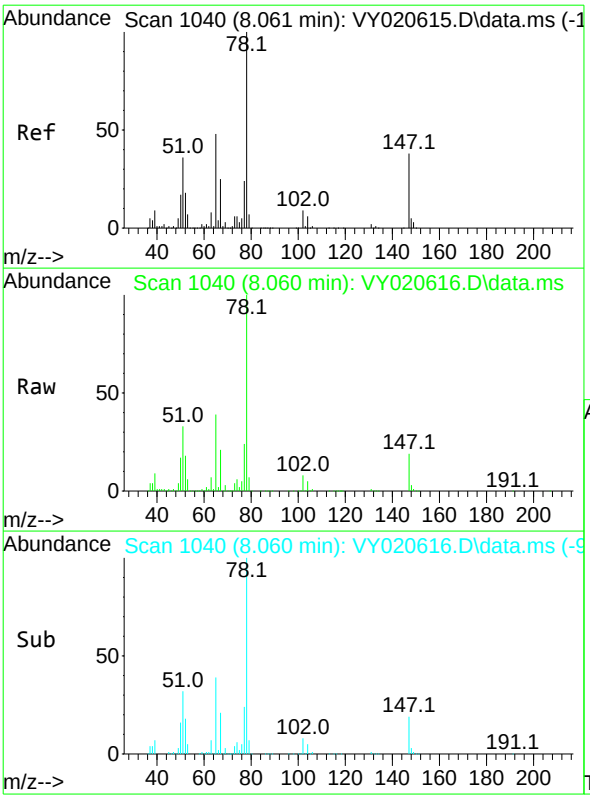


#32
1,1,1-Trichloroethane
Concen: 98.578 ug/l
RT: 7.615 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 97 Resp: 415073

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	43.0	34.7	52.1

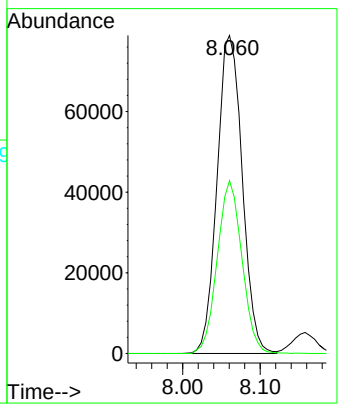




#33
1,2-Dichloroethane-d4
Concen: 92.612 ug/l
RT: 8.060 min Scan# 10
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 65 Resp: 177978

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	108.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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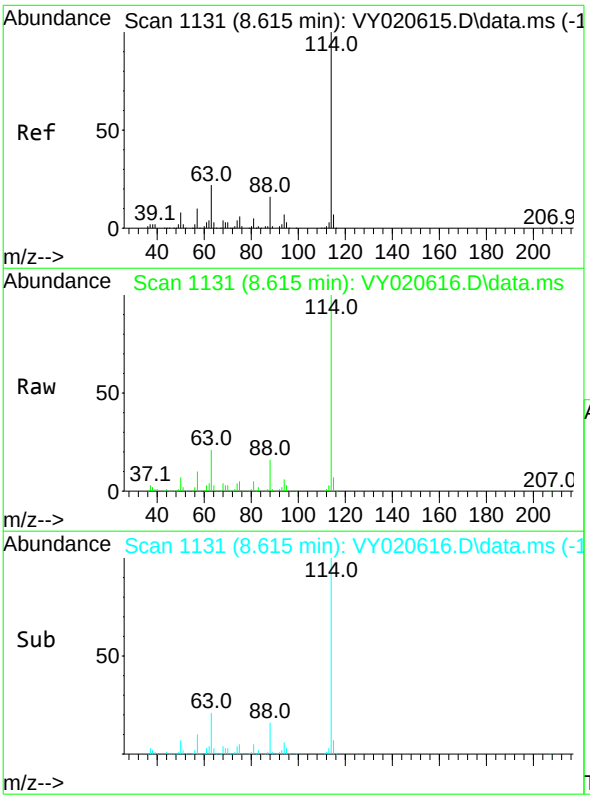
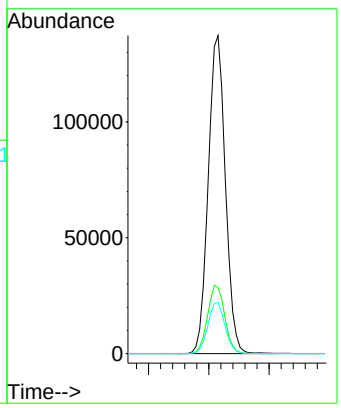
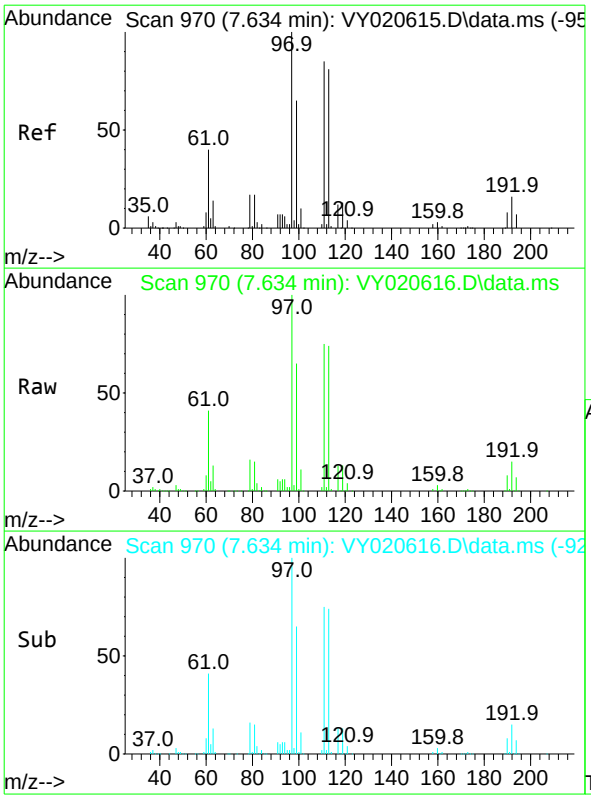


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:114 Resp: 270859

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	44.0
88	16.1	0.0	32.8

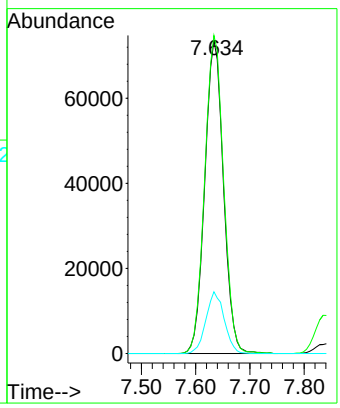




#35
Dibromofluoromethane
Concen: 92.118 ug/l
RT: 7.634 min Scan# 97
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:113 Resp: 175849

Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.9	124.3
192	19.3	15.7	23.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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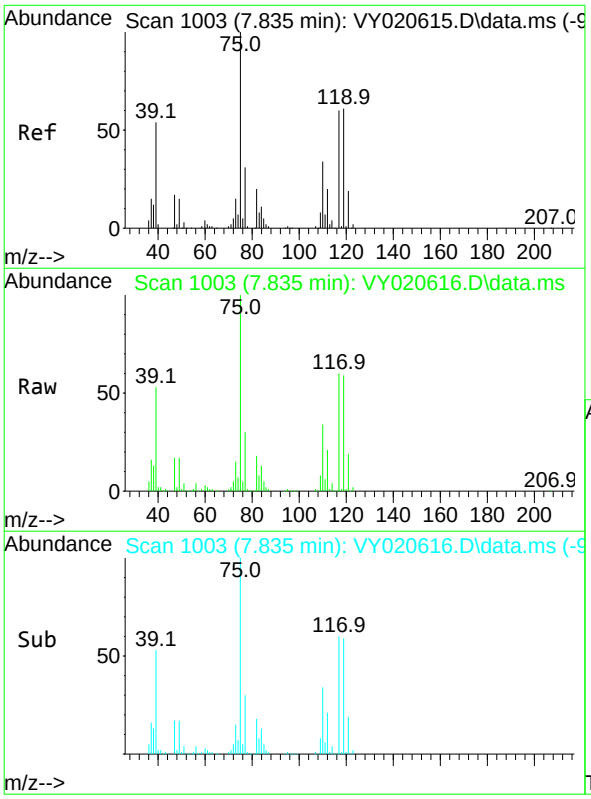
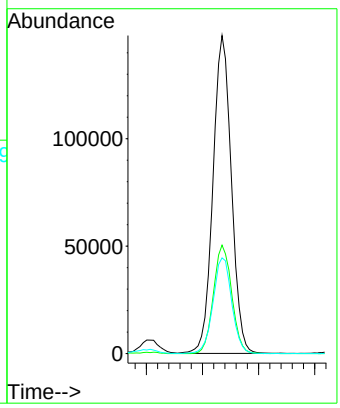
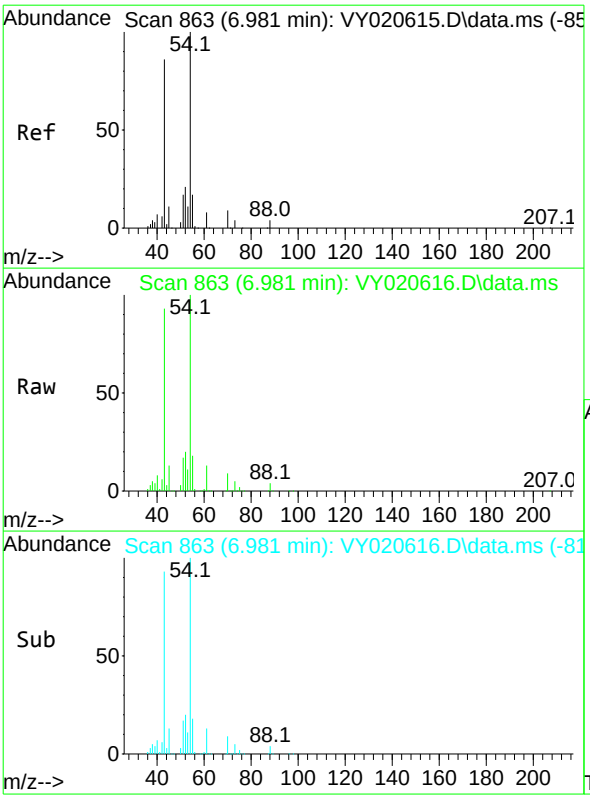


#36
1,1-Dichloropropene
Concen: 96.854 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 75 Resp: 337138

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.8	50.4
77	30.7	25.0	37.6





#37
Ethyl Acetate
Concen: 97.867 ug/l
RT: 6.981 min Scan# 86
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 43 Resp: 160241

Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	9.9	7.9	11.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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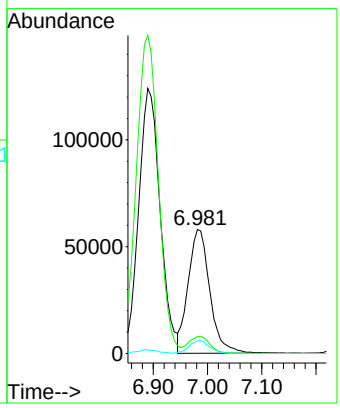
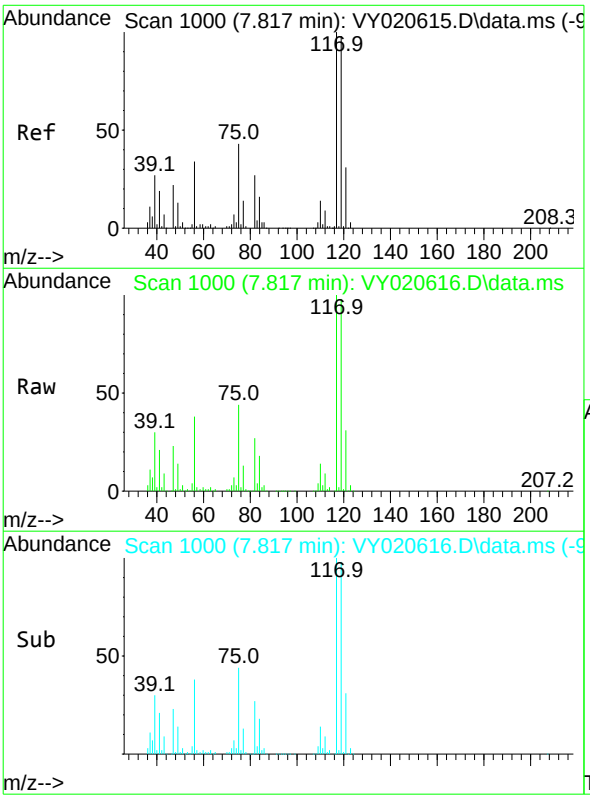
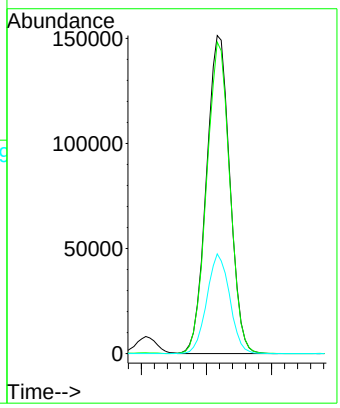


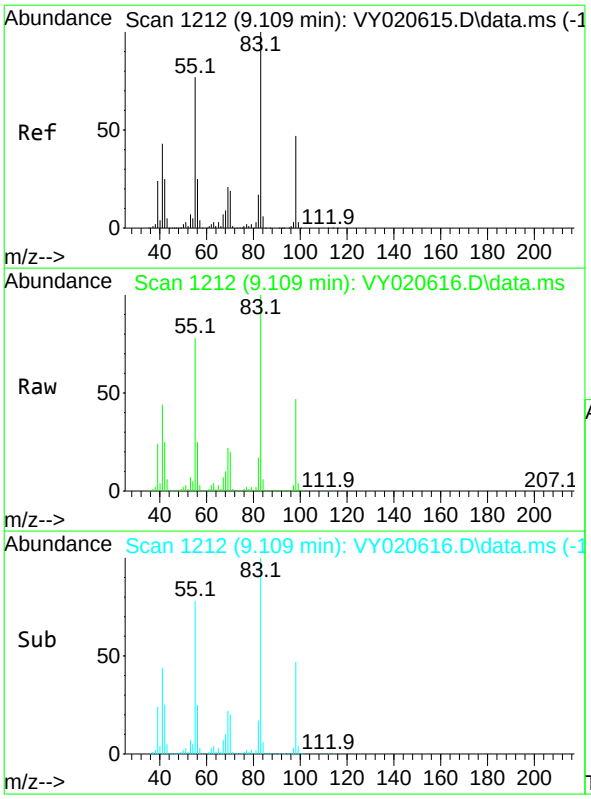


#38
Carbon Tetrachloride
Concen: 97.998 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:117 Resp: 377406

Ion	Ratio	Lower	Upper
117	100		
119	97.9	78.3	117.5
121	31.4	25.1	37.7





#39
Methylcyclohexane
Concen: 96.986 ug/l
RT: 9.109 min Scan# 12
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 83 Resp: 440006

Ion	Ratio	Lower	Upper
83	100		
55	77.8	61.4	92.0
98	46.9	37.3	55.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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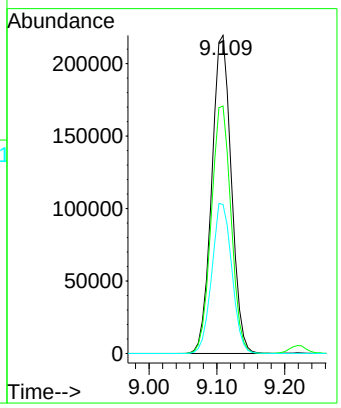
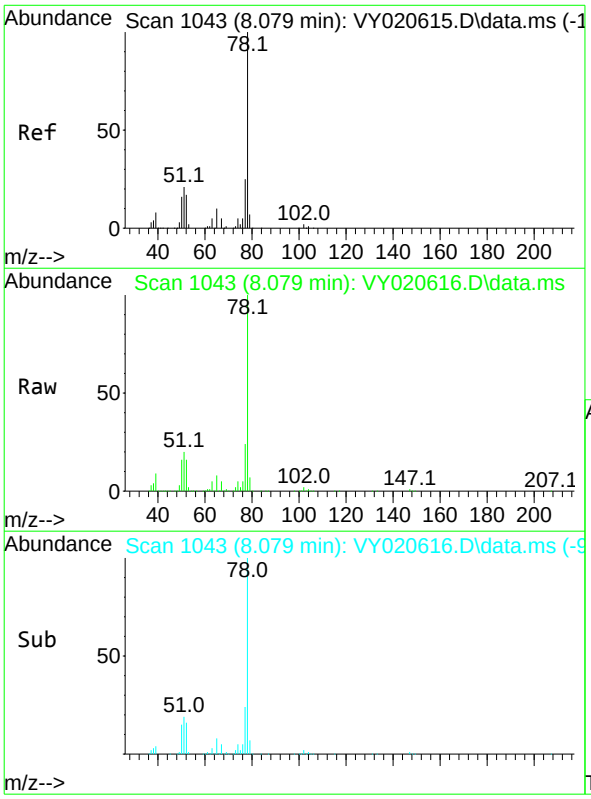
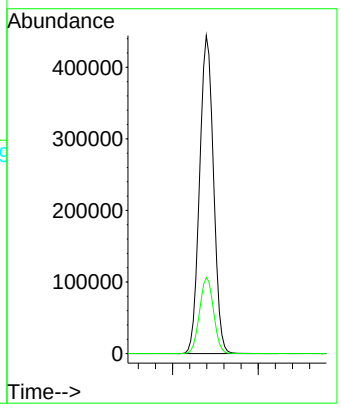


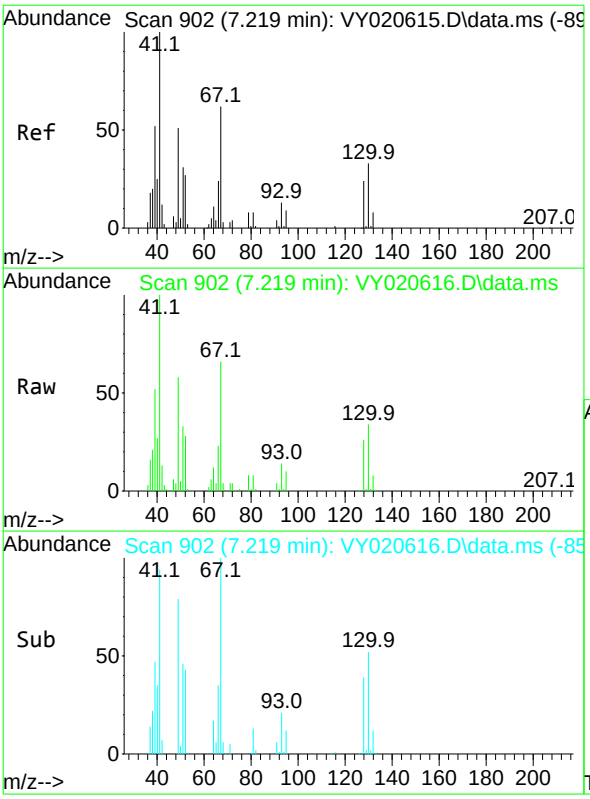


#40
Benzene
Concen: 98.064 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 78 Resp: 1000543

Ion	Ratio	Lower	Upper
78	100		
77	23.9	20.1	30.1

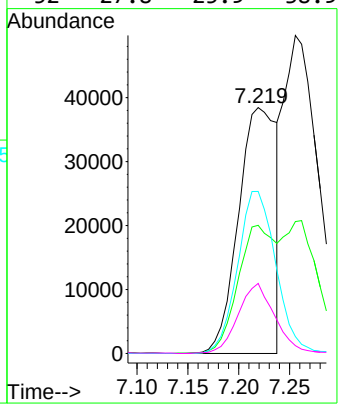




#41
Methacrylonitrile
Concen: 114.810 ug/l
RT: 7.219 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 41 Resp: 99381

Ion	Ratio	Lower	Upper
41	100		
39	51.3	53.6	80.4#
67	67.0	62.0	93.0
52	27.8	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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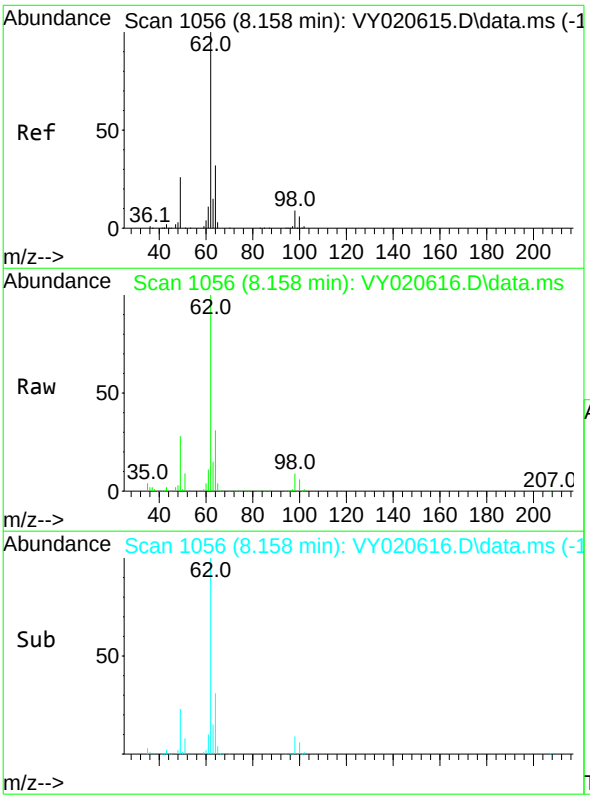
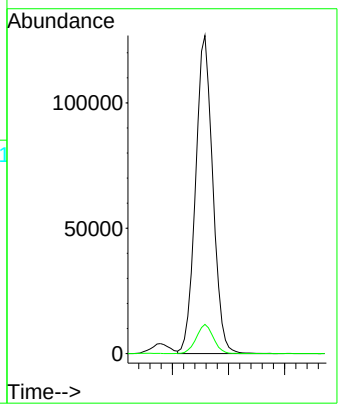
Supervised By :Semsettin Yesilyurt 12/18/2024

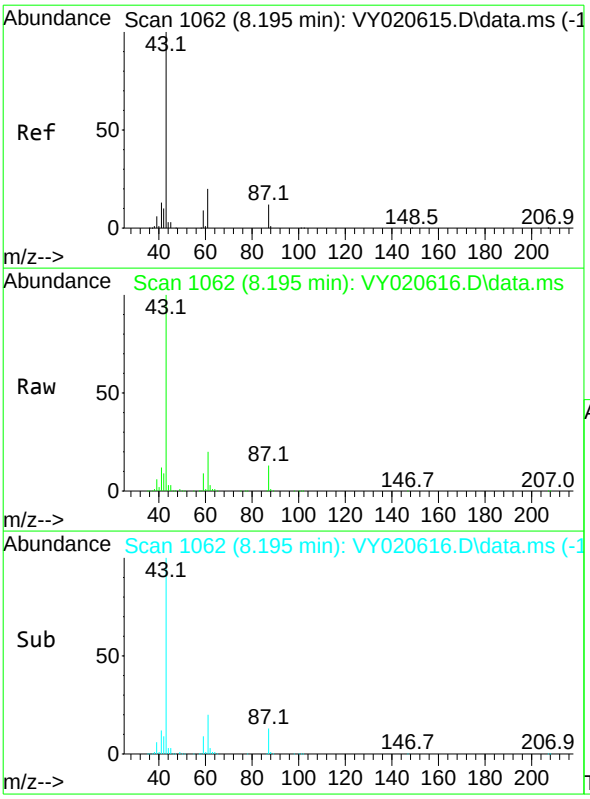


#42
1,2-Dichloroethane
Concen: 99.793 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 62 Resp: 270045

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.0





#43
Isopropyl Acetate
Concen: 102.879 ug/l
RT: 8.195 min Scan# 10
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 43 Resp: 318902

Ion	Ratio	Lower	Upper
43	100		
61	29.4	23.8	35.6
87	13.0	10.2	15.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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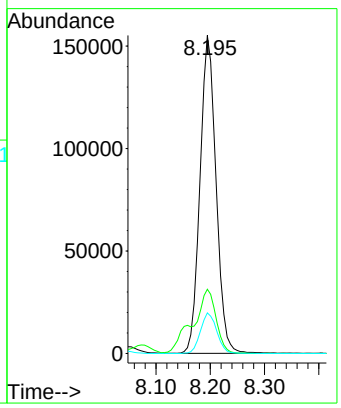
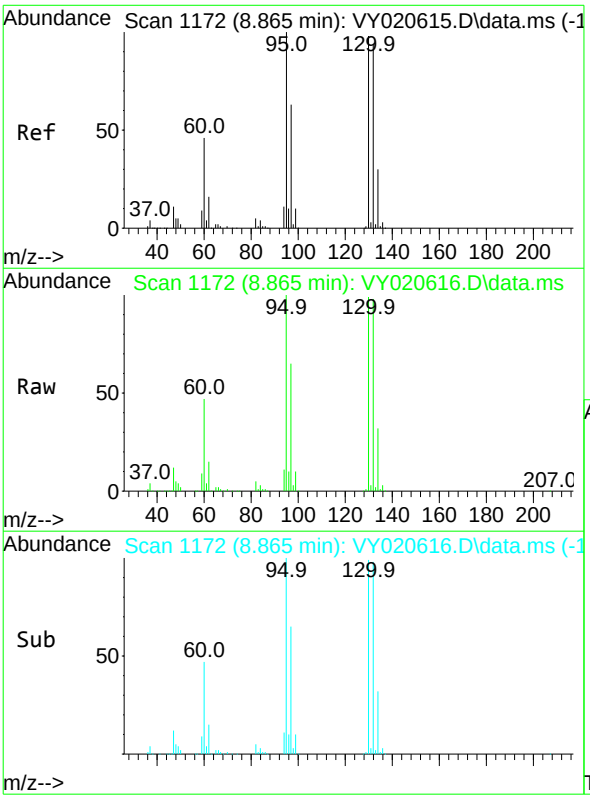
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

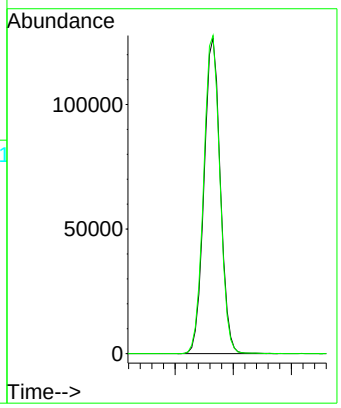


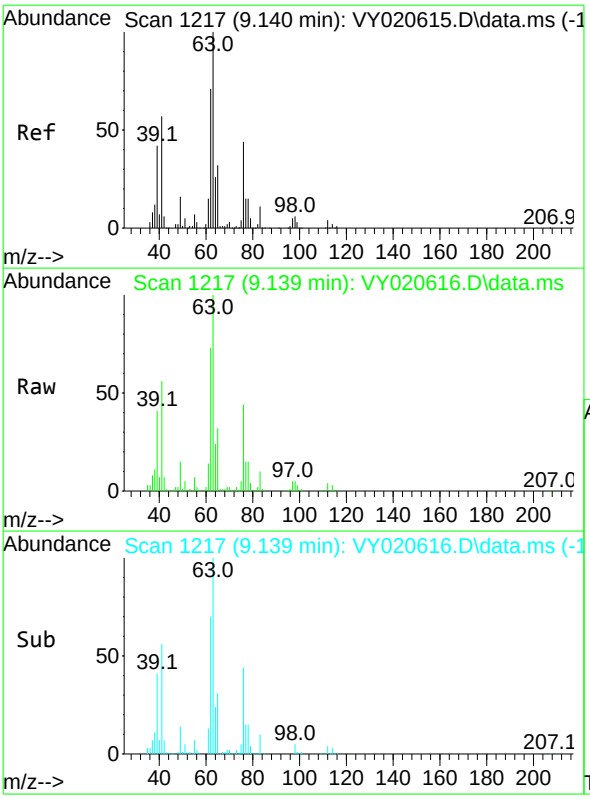


#44
Trichloroethene
Concen: 97.912 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:130 Resp: 245474

Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	203.2

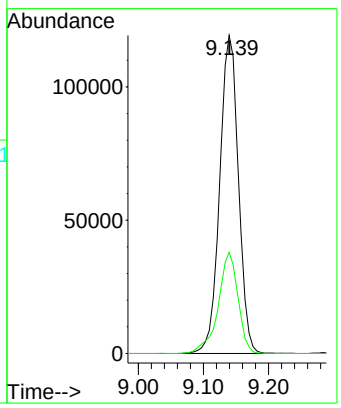




#45
1,2-Dichloropropane
Concen: 100.062 ug/l
RT: 9.139 min Scan# 12
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 63 Resp: 238605

Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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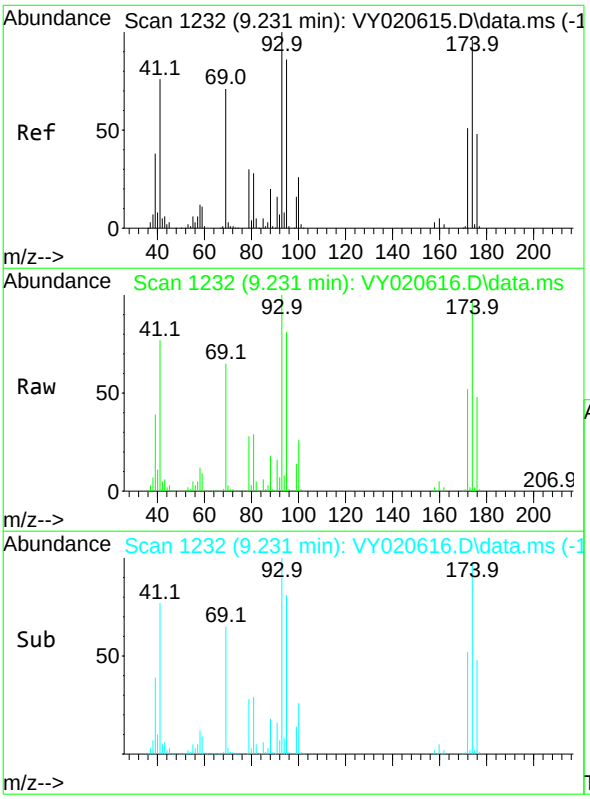
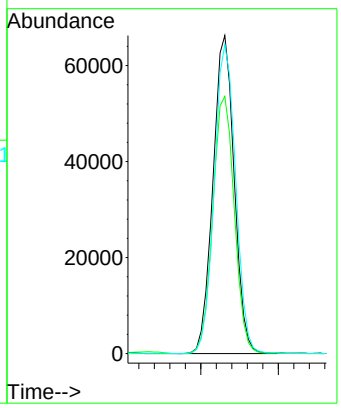
Supervised By :Semsettin Yesilyurt 12/18/2024

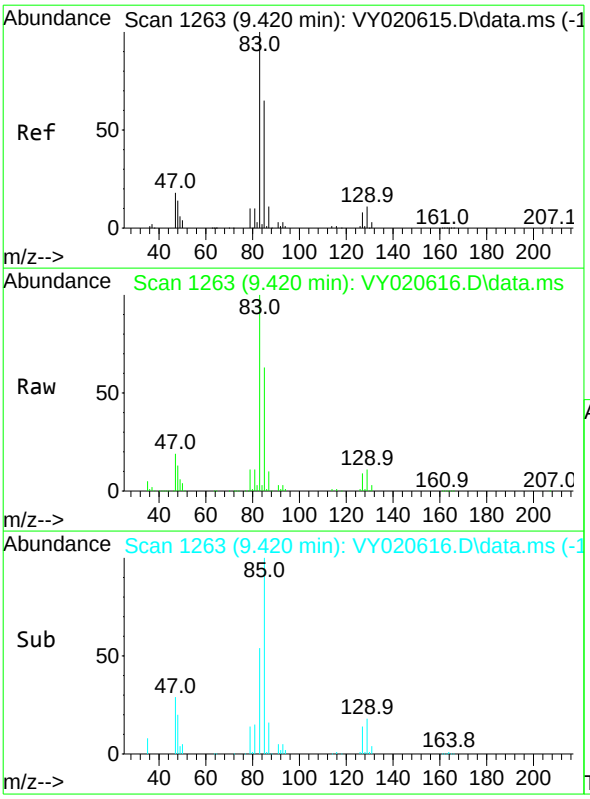


#46
Dibromomethane
Concen: 100.032 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 93 Resp: 126063

Ion	Ratio	Lower	Upper
93	100		
95	82.1	66.7	100.1
174	97.9	77.8	116.6

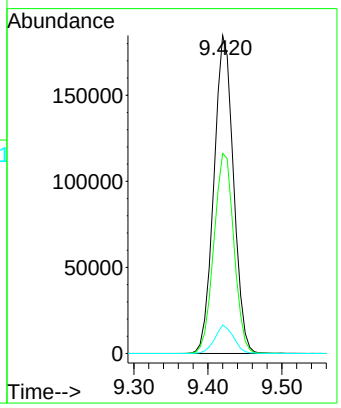




#47
Bromodichloromethane
Concen: 99.796 ug/l
RT: 9.420 min Scan# 12
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 83 Resp: 339720

Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.1	78.1
127	8.9	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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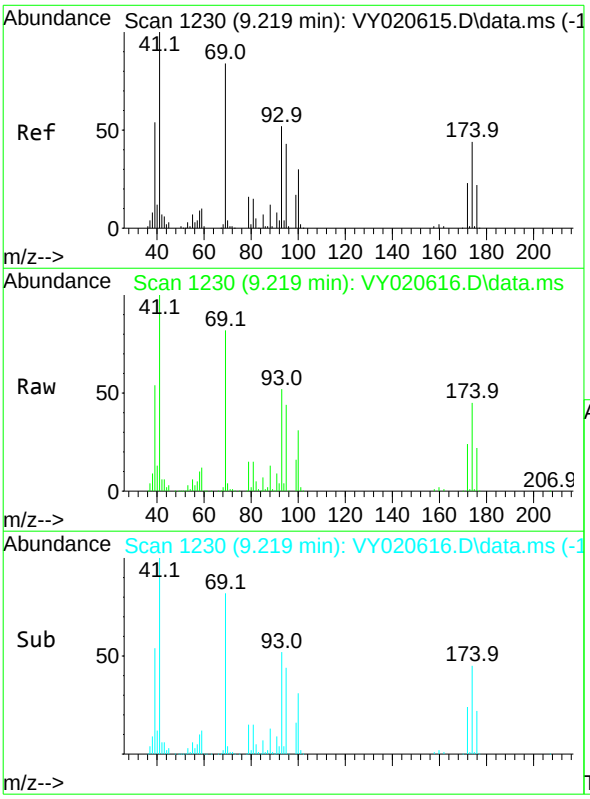
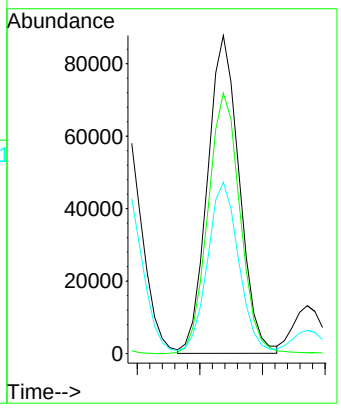
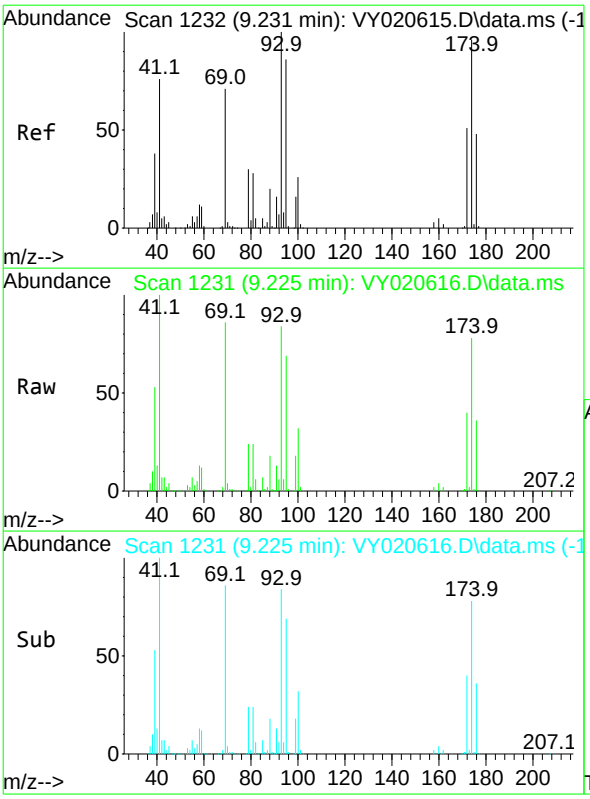


#48
Methyl methacrylate
Concen: 105.079 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 41 Resp: 154845

Ion	Ratio	Lower	Upper
41	100		
69	83.1	67.2	100.8
39	51.3	42.2	63.4

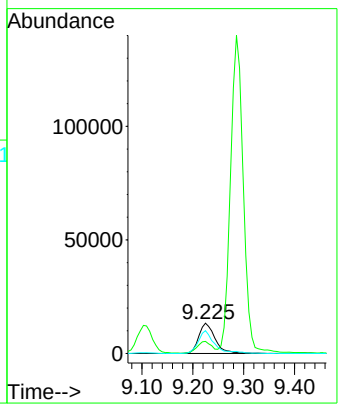




#49
1,4-Dioxane
Concen: 2066.774 ug/l
RT: 9.225 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 88 Resp: 29870

Ion	Ratio	Lower	Upper
88	100		
43	36.4	27.6	41.4
58	74.7	61.7	92.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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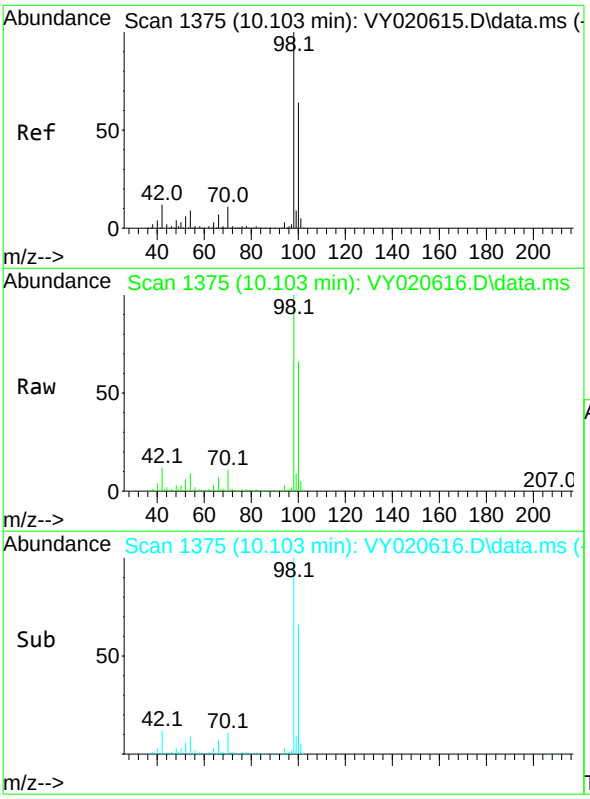
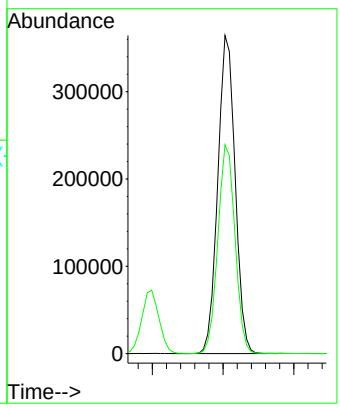
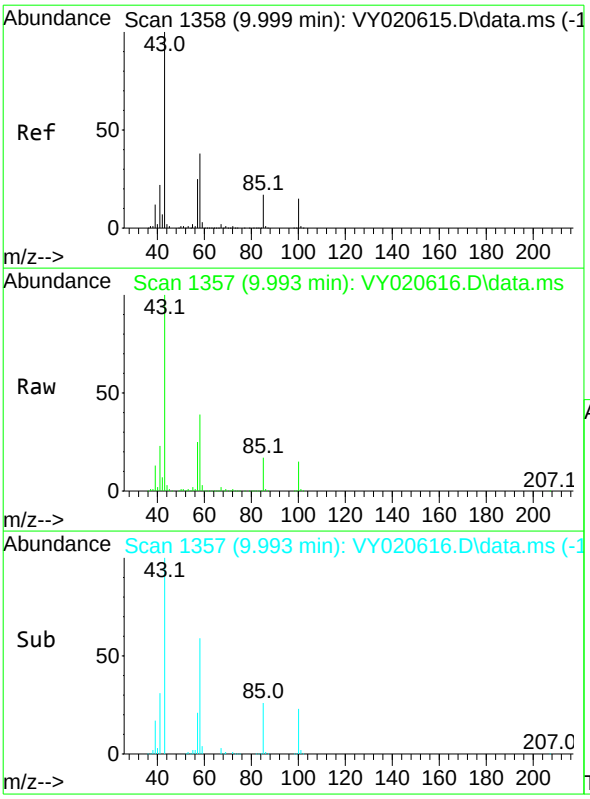


#50
Toluene-d8
Concen: 92.704 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 98 Resp: 619412

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1

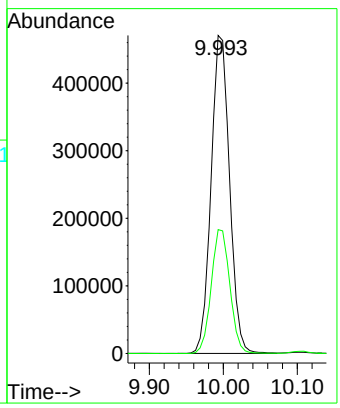




#51
4-Methyl-2-Pentanone
Concen: 498.015 ug/l
RT: 9.993 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 43 Resp: 814840

Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.4	47.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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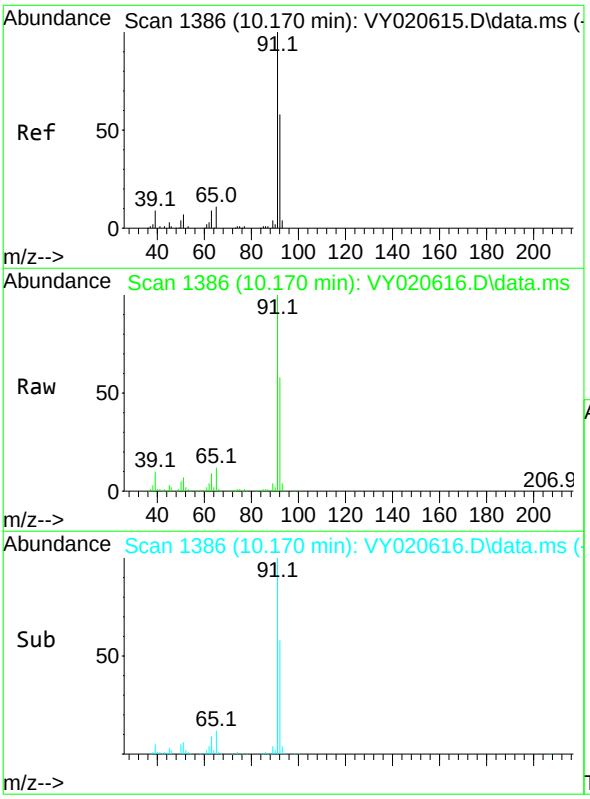
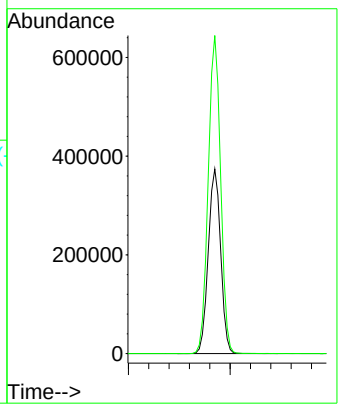
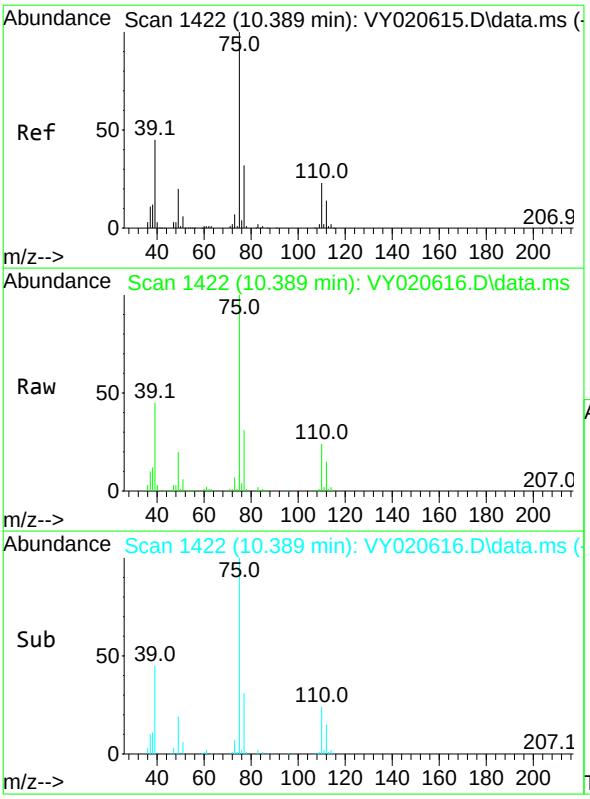


#52
Toluene
Concen: 99.573 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 92 Resp: 631368

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.4	206.0

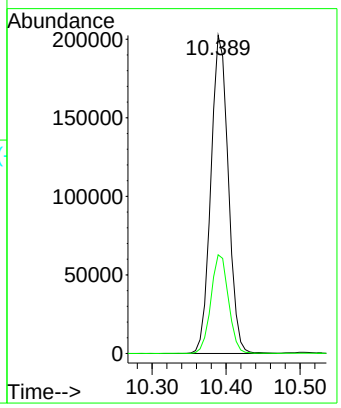




#53
t-1,3-Dichloropropene
Concen: 104.287 ug/l
RT: 10.389 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 75 Resp: 330795

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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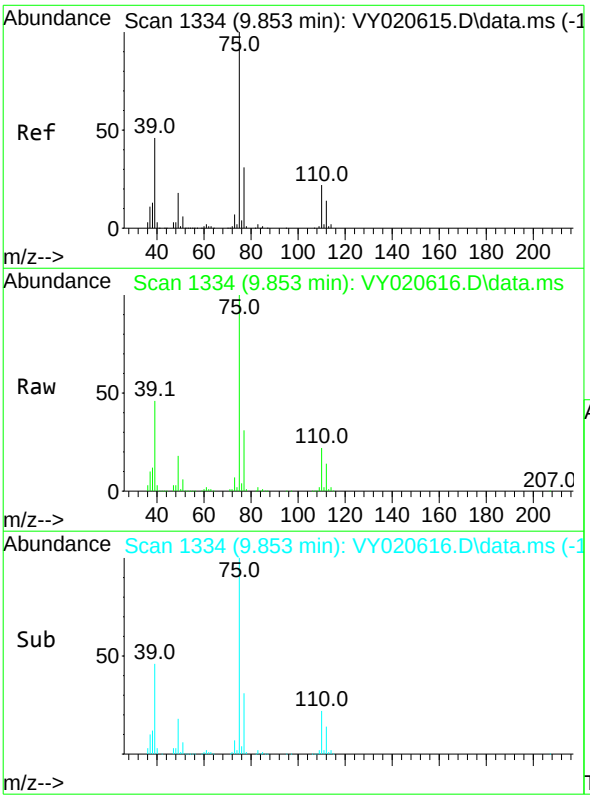
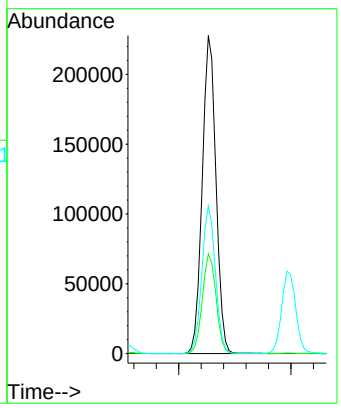
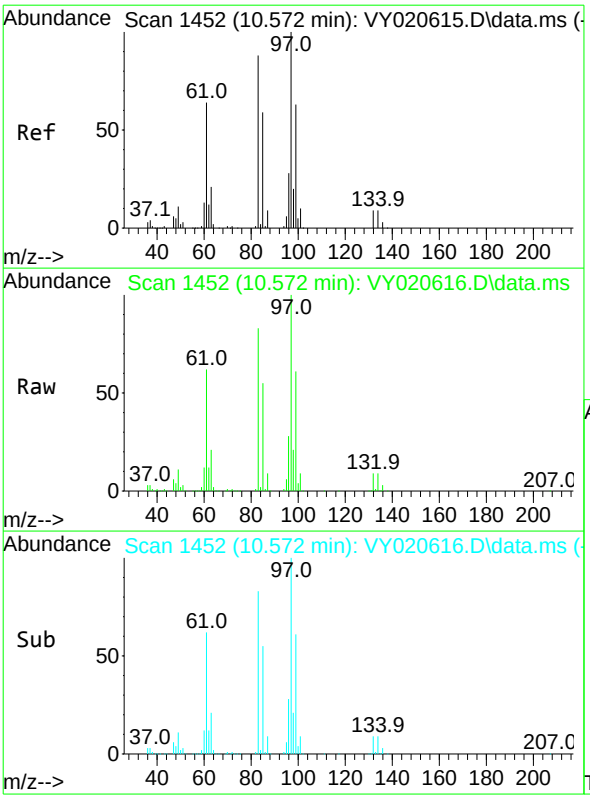


#54
cis-1,3-Dichloropropene
Concen: 102.884 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 75 Resp: 386715

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.6	36.8
39	46.4	36.4	54.6

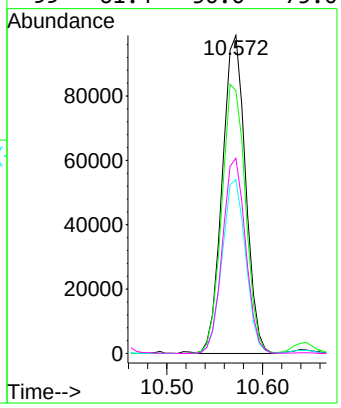




#55
1,1,2-Trichloroethane
Concen: 100.352 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 97 Resp: 167205

Ion	Ratio	Lower	Upper
97	100		
83	82.6	70.4	105.6
85	54.6	47.2	70.8
99	61.4	50.0	75.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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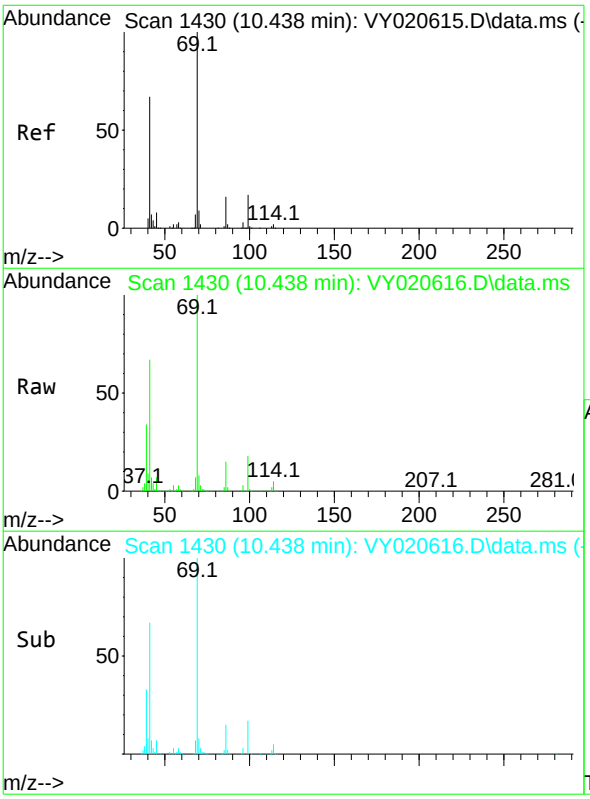
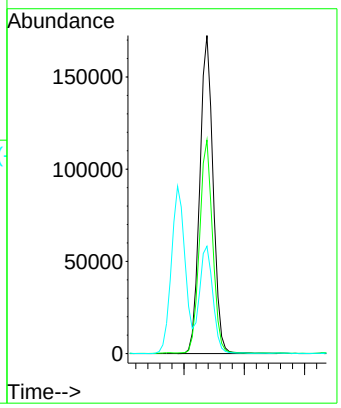
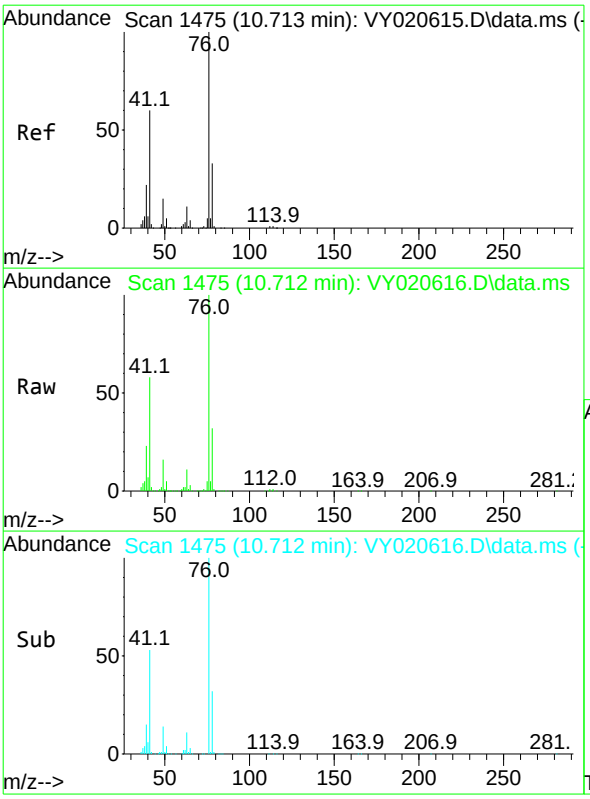


#56
Ethyl methacrylate
Concen: 109.090 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 69 Resp: 263694

Ion	Ratio	Lower	Upper
69	100		
41	65.8	54.0	81.0
39	34.1	27.9	41.9

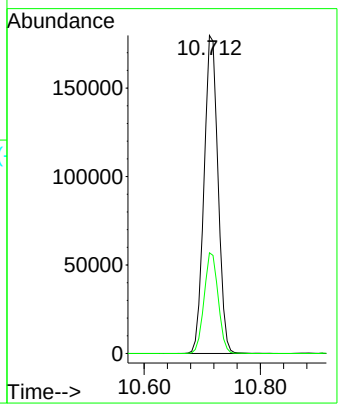




#57
1,3-Dichloropropane
Concen: 100.965 ug/l
RT: 10.712 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 76 Resp: 299884

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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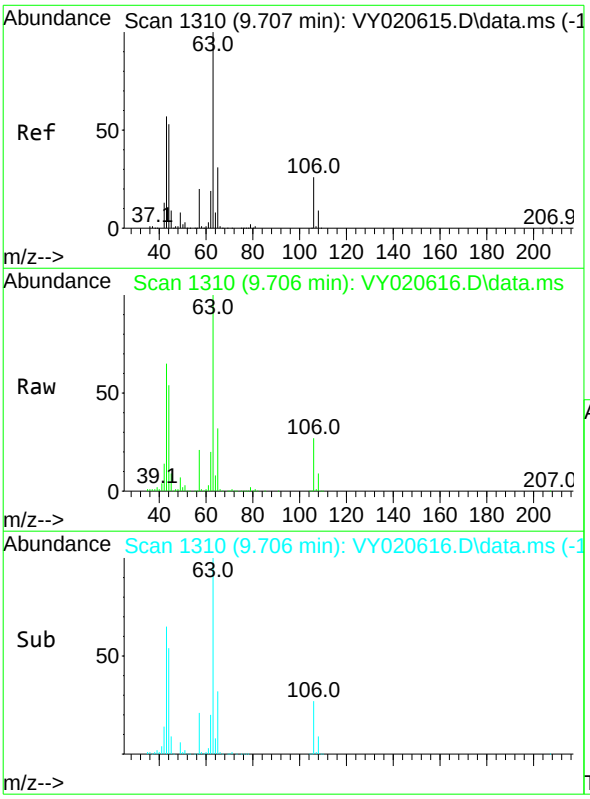
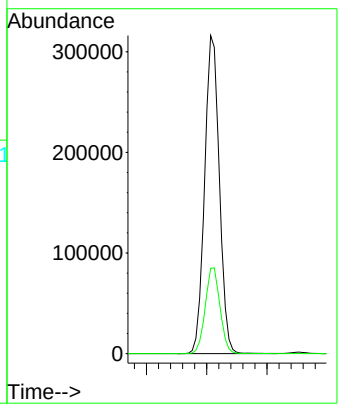
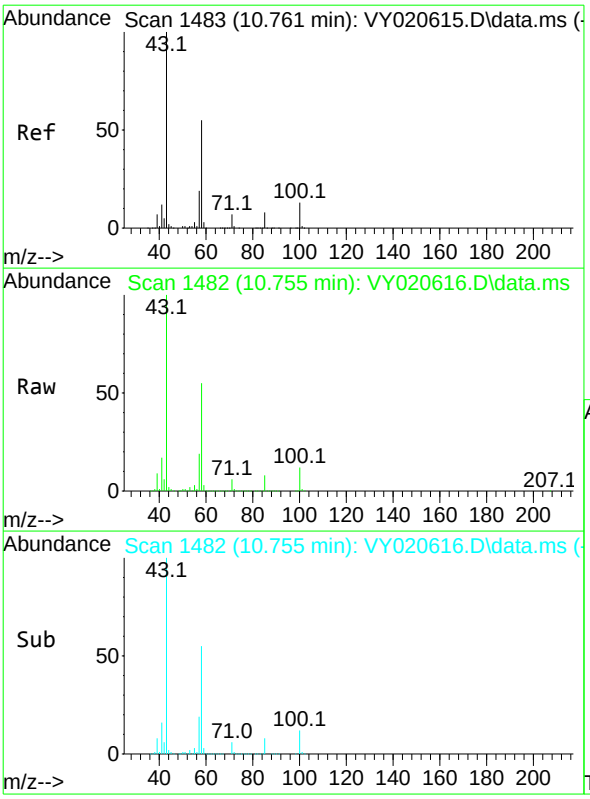


#58
2-Chloroethyl Vinyl ether
Concen: 527.303 ug/l
RT: 9.706 min Scan# 1310
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 63 Resp: 536306

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.5	32.3

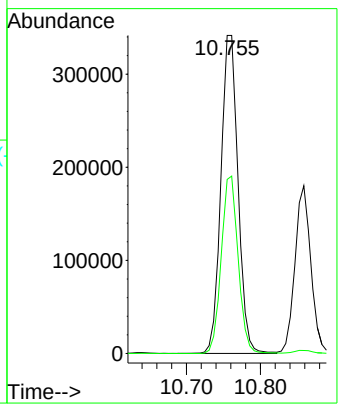




#59
2-Hexanone
Concen: 521.929 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 43 Resp: 548285

Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.2	81.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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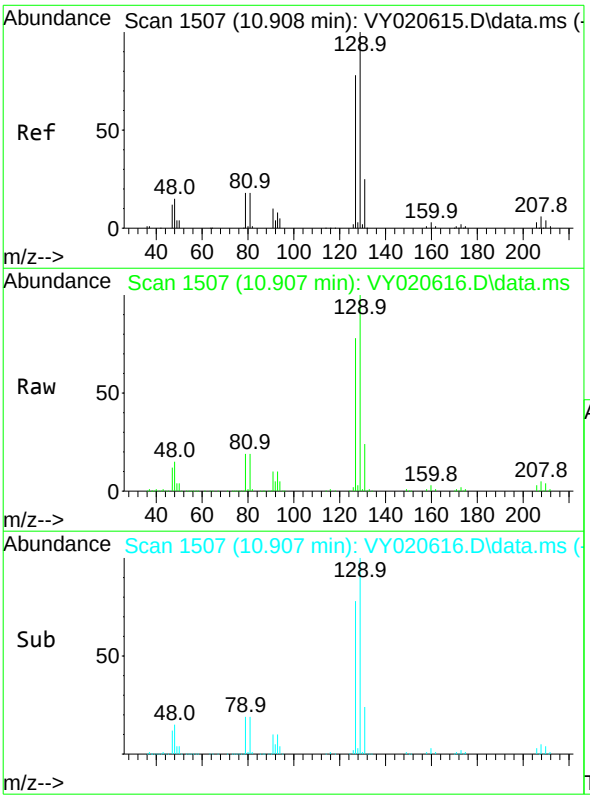
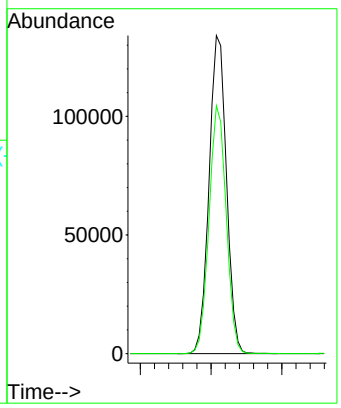
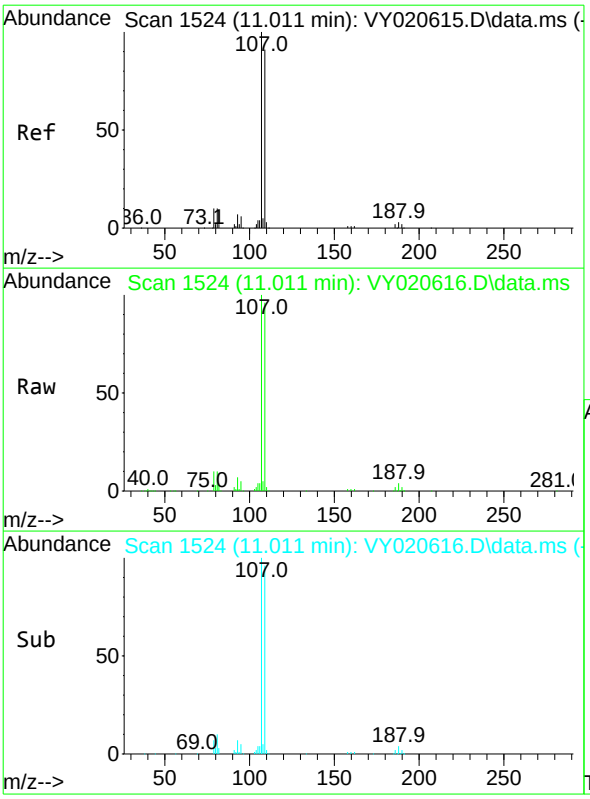


#60
Dibromochloromethane
Concen: 102.389 ug/l
RT: 10.907 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:129 Resp: 228154

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.1	114.3

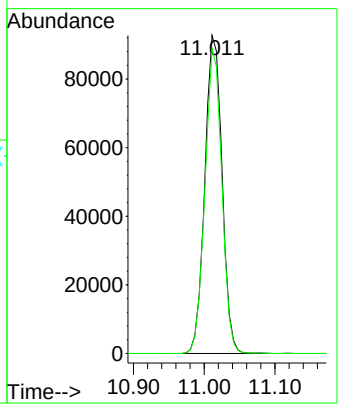




#61
1,2-Dibromoethane
Concen: 101.225 ug/l
RT: 11.011 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:107 Resp: 156883

Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.4	113.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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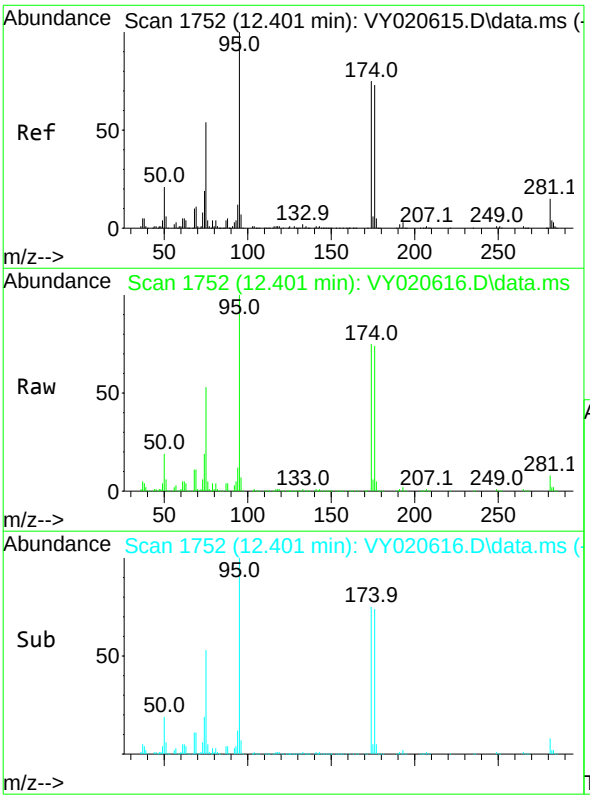
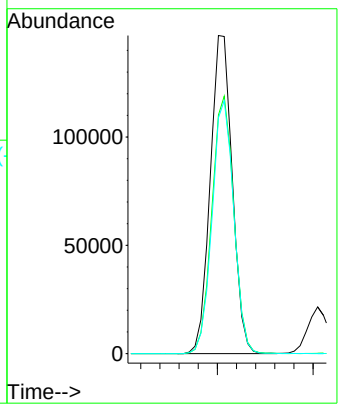
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

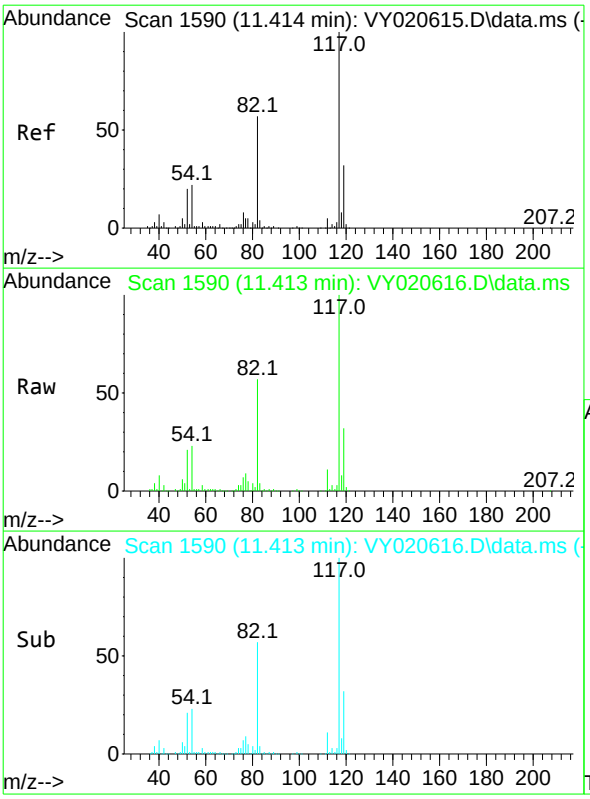


#62
4-Bromofluorobenzene
Concen: 89.665 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 95 Resp: 234353

Ion	Ratio	Lower	Upper
95	100		
174	80.4	0.0	161.8
176	78.3	0.0	156.6

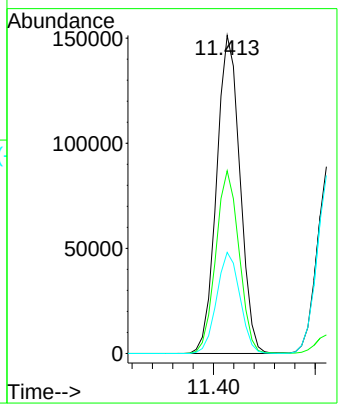




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.413 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:117 Resp: 241570

Ion	Ratio	Lower	Upper
117	100		
82	57.4	45.8	68.6
119	31.8	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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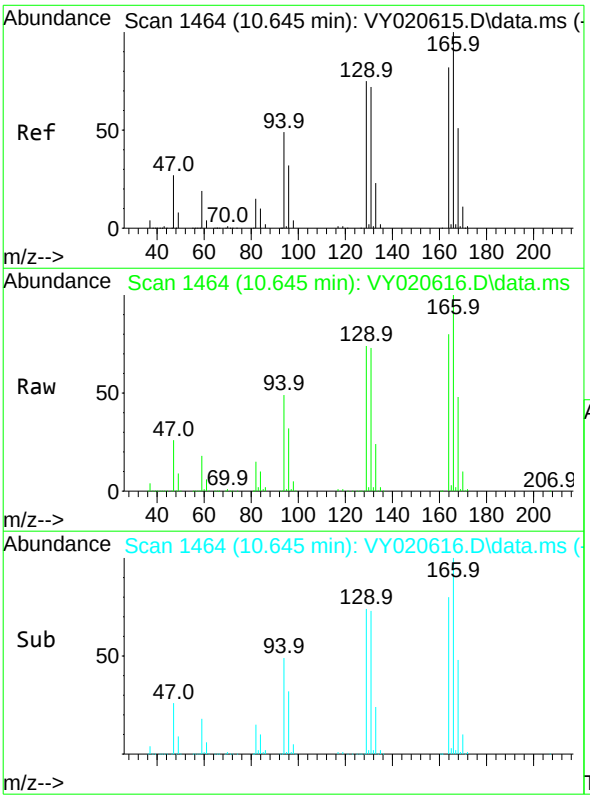
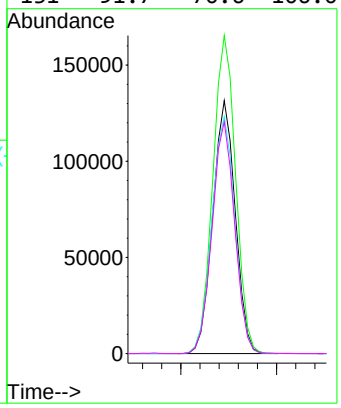
Supervised By :Semsettin Yesilyurt 12/18/2024

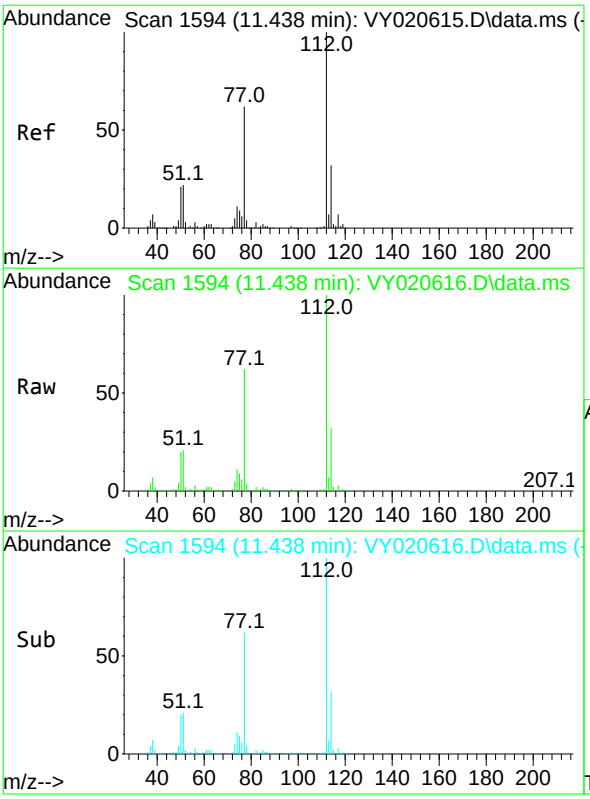


#64
Tetrachloroethene
Concen: 94.803 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:164 Resp: 215415

Ion	Ratio	Lower	Upper
164	100		
166	125.7	97.9	146.9
129	93.6	73.4	110.0
131	91.7	70.6	106.0

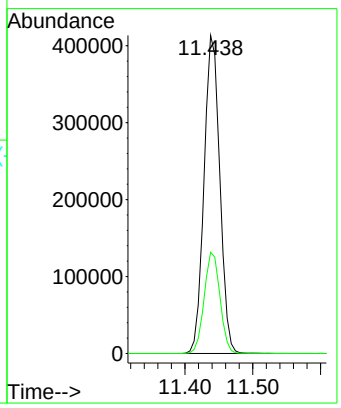




#65
Chlorobenzene
Concen: 98.800 ug/l
RT: 11.438 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:112 Resp: 667347

Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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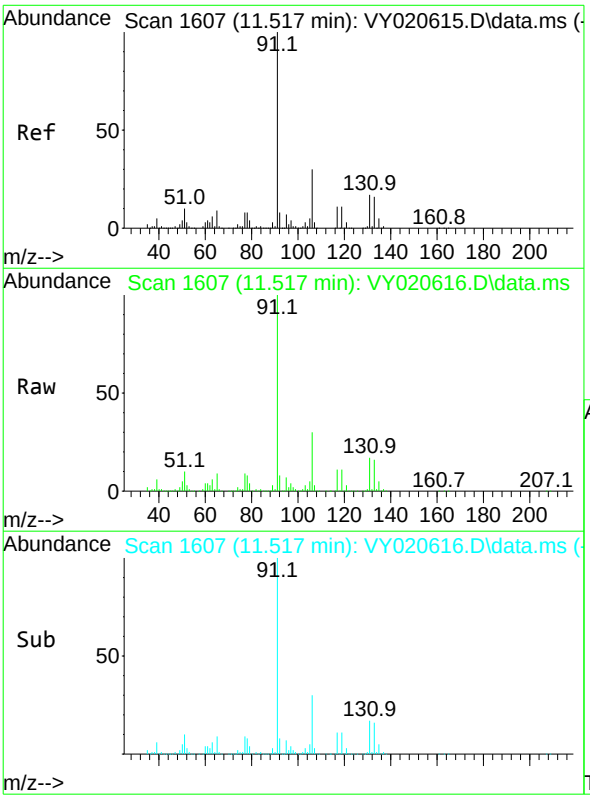
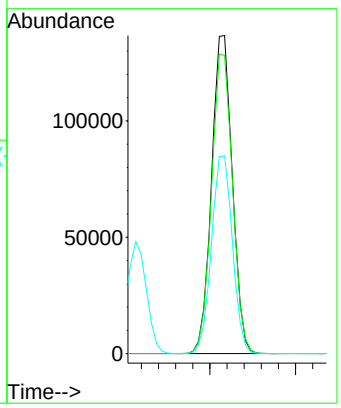
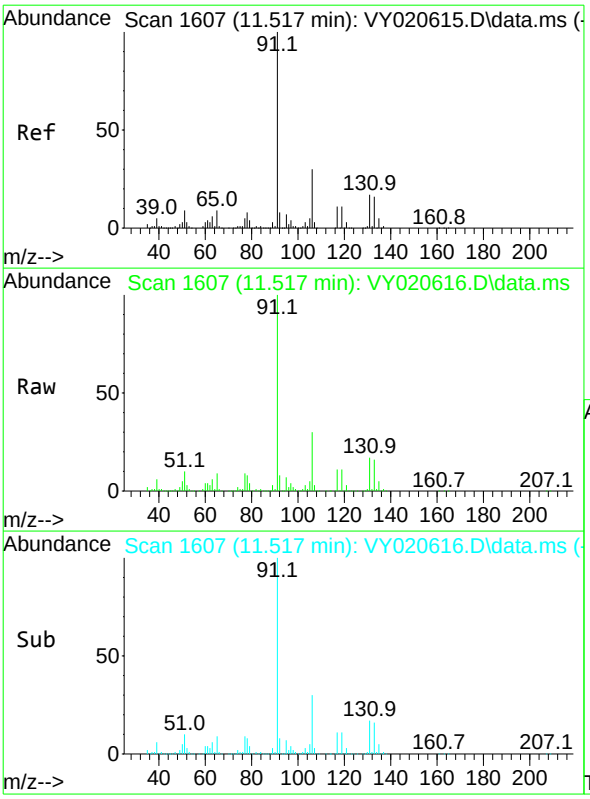


#66
1,1,1,2-Tetrachloroethane
Concen: 99.489 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:131 Resp: 229790

Ion	Ratio	Lower	Upper
131	100		
133	95.2	46.8	140.3
119	63.1	31.8	95.3

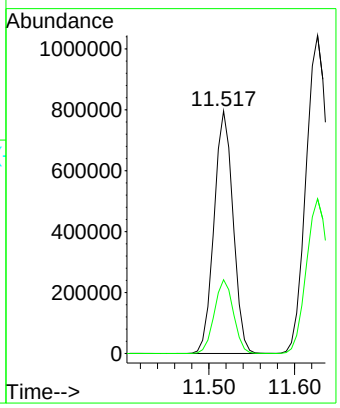




#67
Ethyl Benzene
Concen: 98.607 ug/l
RT: 11.517 min Scan# 16
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 91 Resp: 1228775

Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.9	35.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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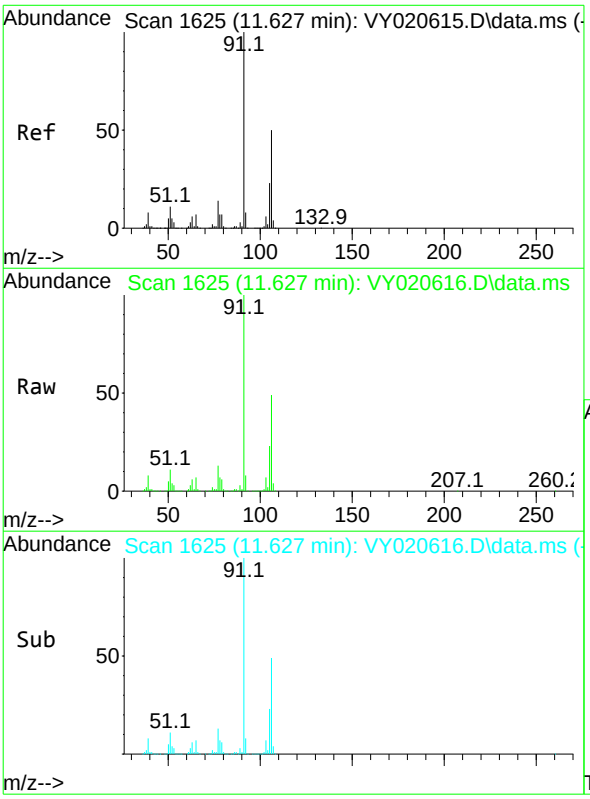
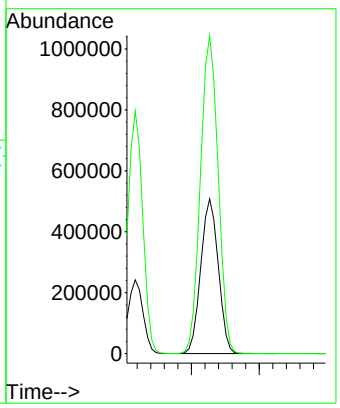
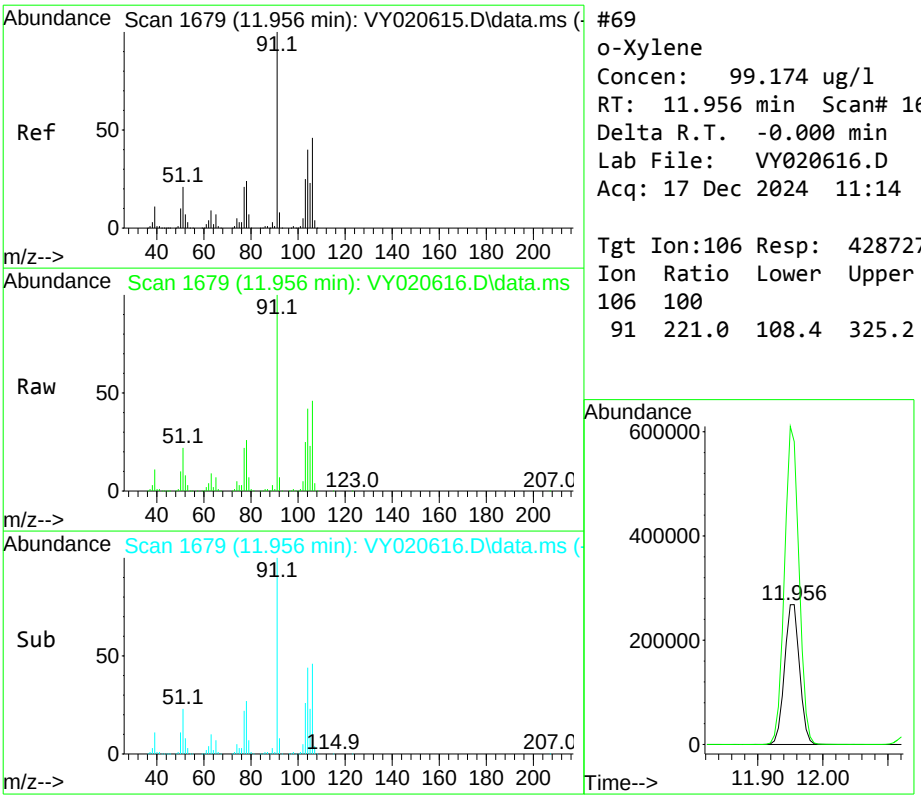


#68
m/p-Xylenes
Concen: 196.521 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:106 Resp: 910536

Ion	Ratio	Lower	Upper
106	100		
91	207.4	165.0	247.4





#69
o-Xylene
Concen: 99.174 ug/l
RT: 11.956 min Scan# 16
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:106 Resp: 428727

Ion	Ratio	Lower	Upper
106	100		
91	221.0	108.4	325.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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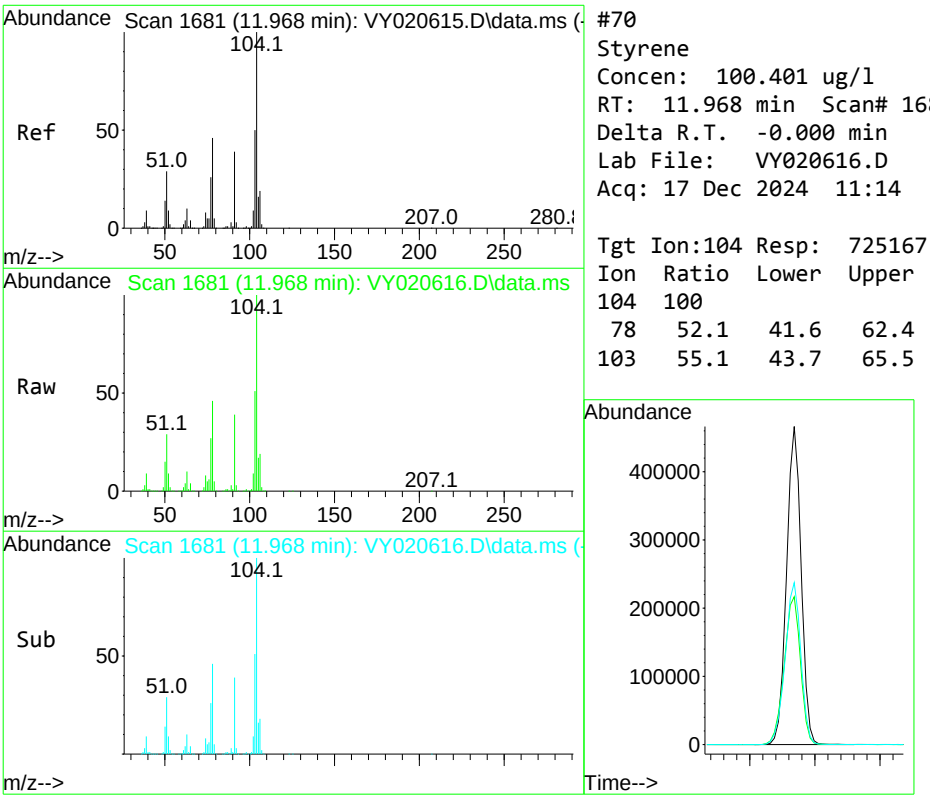
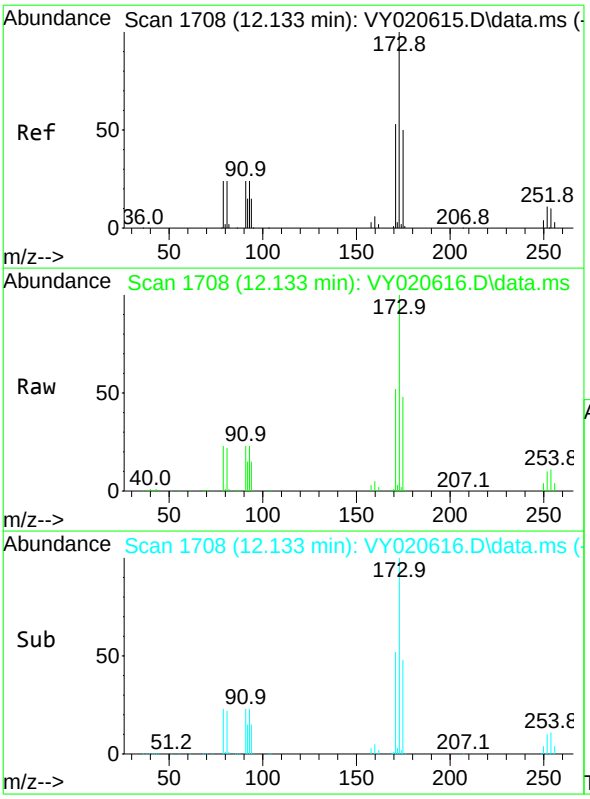


#70
Styrene
Concen: 100.401 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:104 Resp: 725167

Ion	Ratio	Lower	Upper
104	100		
78	52.1	41.6	62.4
103	55.1	43.7	65.5



#71
Bromoform
Concen: 101.332 ug/l
RT: 12.133 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:173 Resp: 131589

Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.6	74.0
254	0.2	0.0	0.0#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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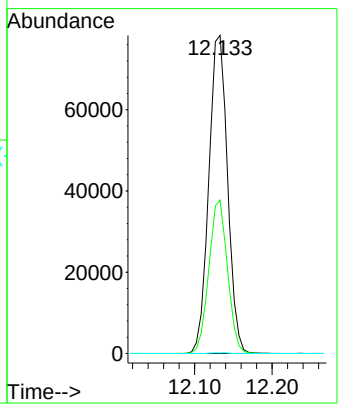
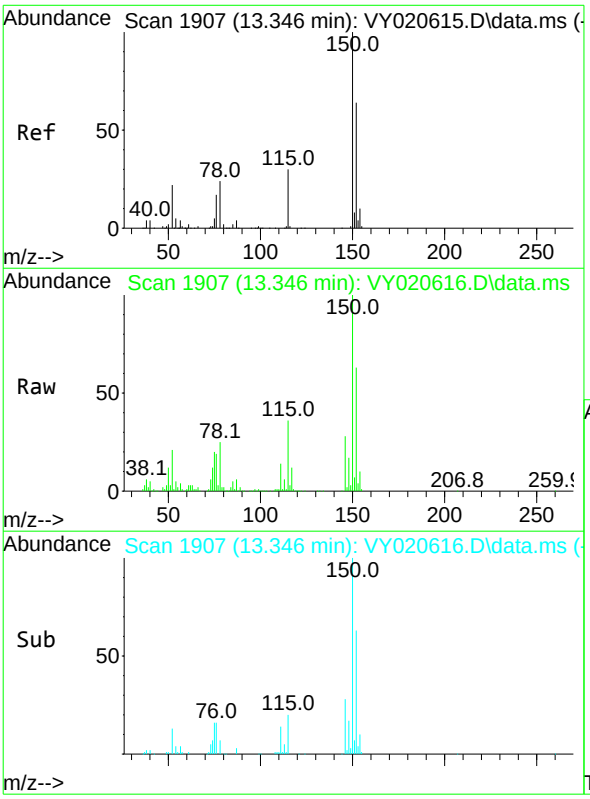
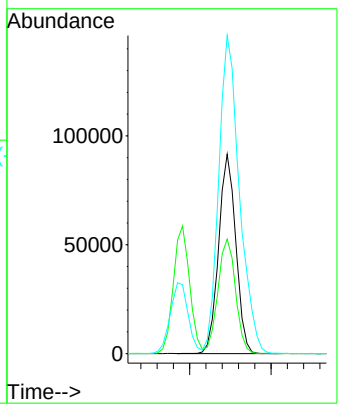


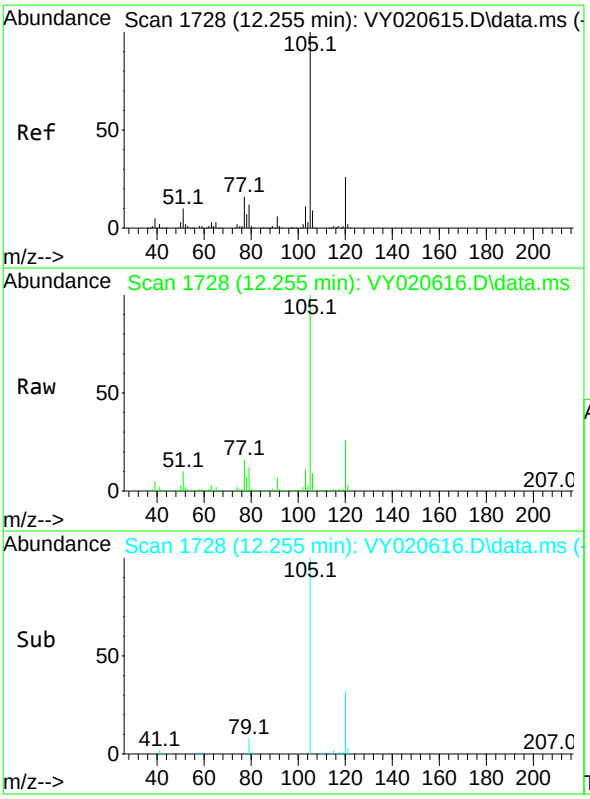


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:152 Resp: 134321

Ion	Ratio	Lower	Upper
152	100		
115	59.0	30.2	90.6
150	192.3	0.0	355.4





#73
Isopropylbenzene
Concen: 98.191 ug/l
RT: 12.255 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:105 Resp: 1150948

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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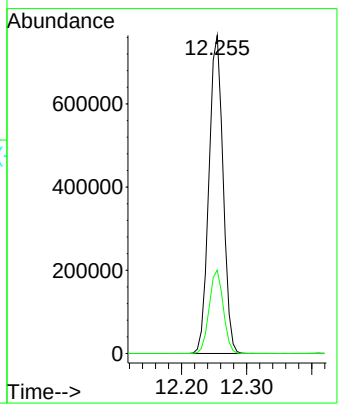
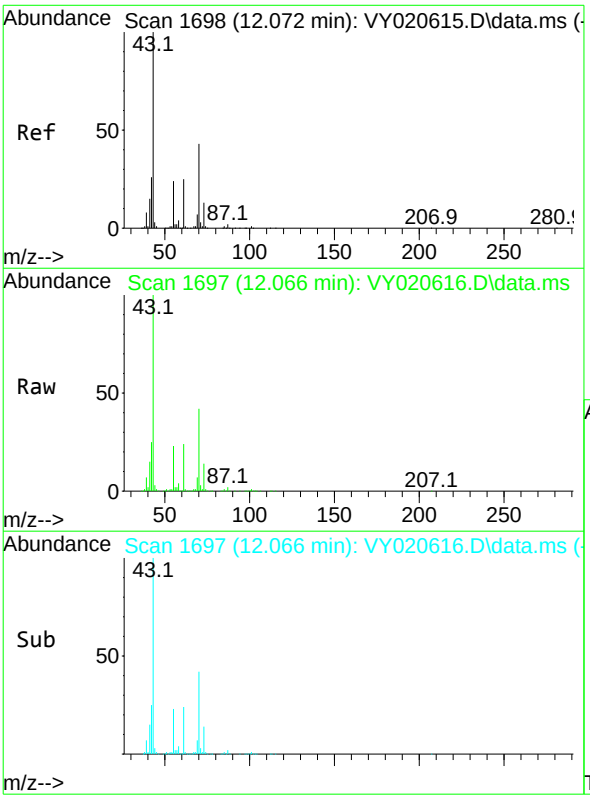
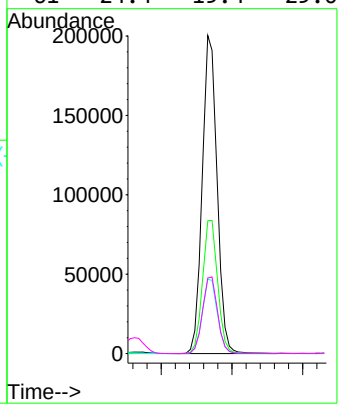


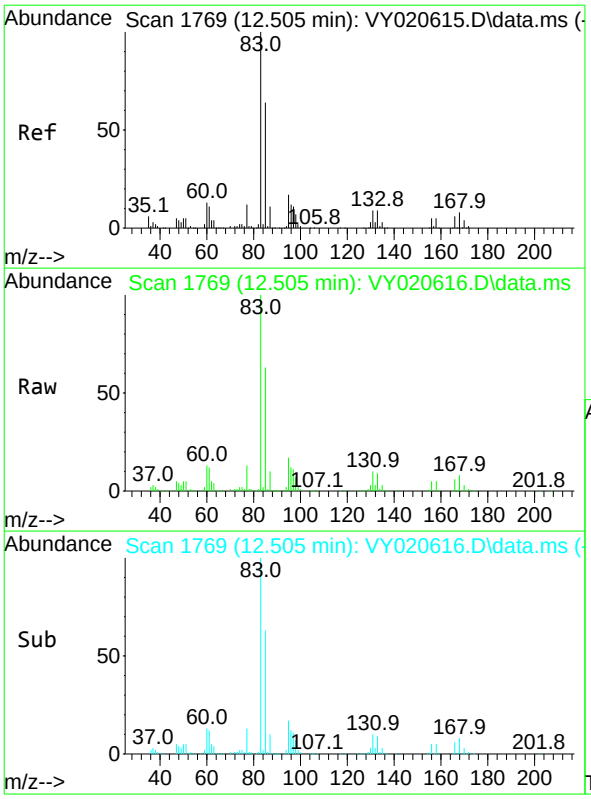


#74
N-amyl acetate
Concen: 106.582 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 43 Resp: 292377

Ion	Ratio	Lower	Upper
43	100		
70	42.6	34.2	51.2
55	23.8	19.6	29.4
61	24.4	19.4	29.0





#75
1,1,2,2-Tetrachloroethane
Concen: 100.209 ug/l
RT: 12.505 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 83 Resp: 190664

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.2	15.6
85	64.4	32.5	97.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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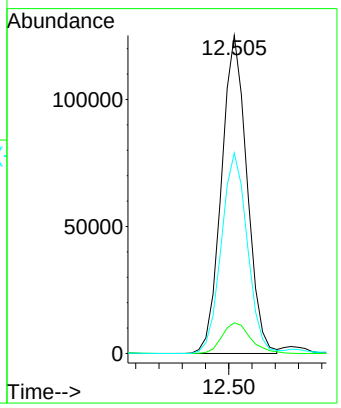
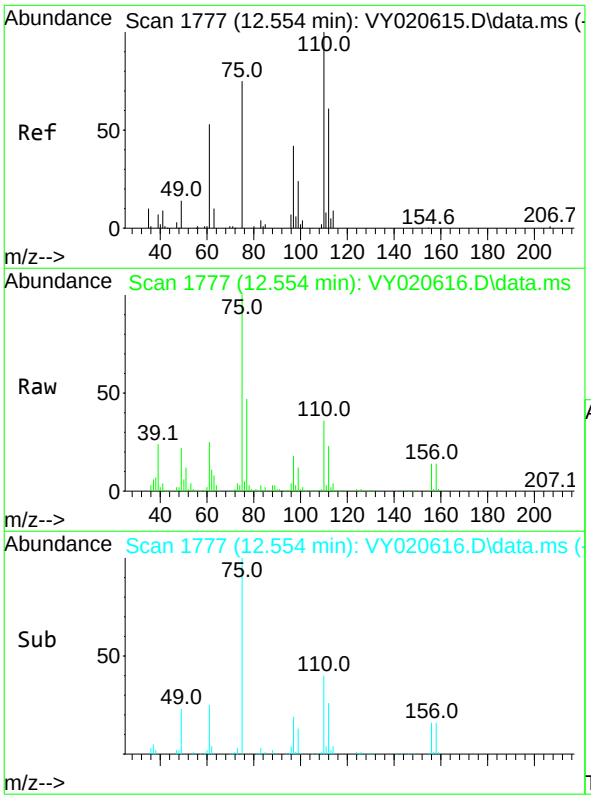
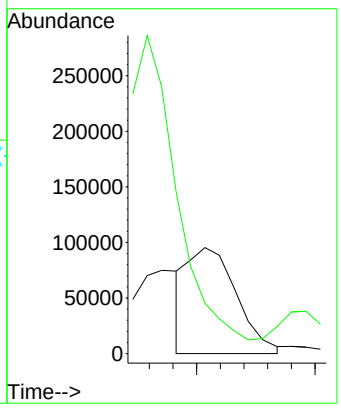


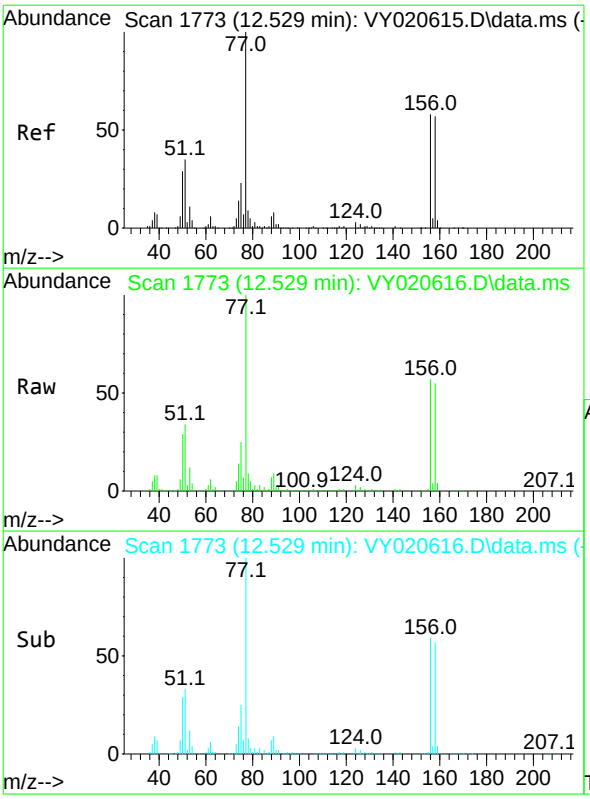


#76
1,2,3-Trichloropropane
Concen: 99.183 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 75 Resp: 137213

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 99.317 ug/l
RT: 12.529 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:156 Resp: 253587

Ion	Ratio	Lower	Upper
156	100		
77	188.7	94.2	282.4
158	97.2	48.9	146.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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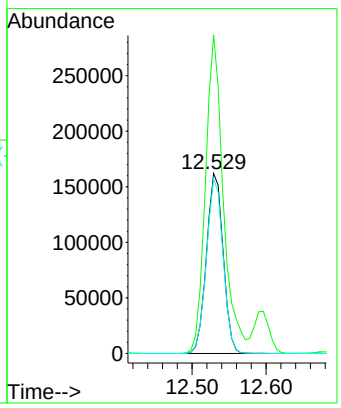
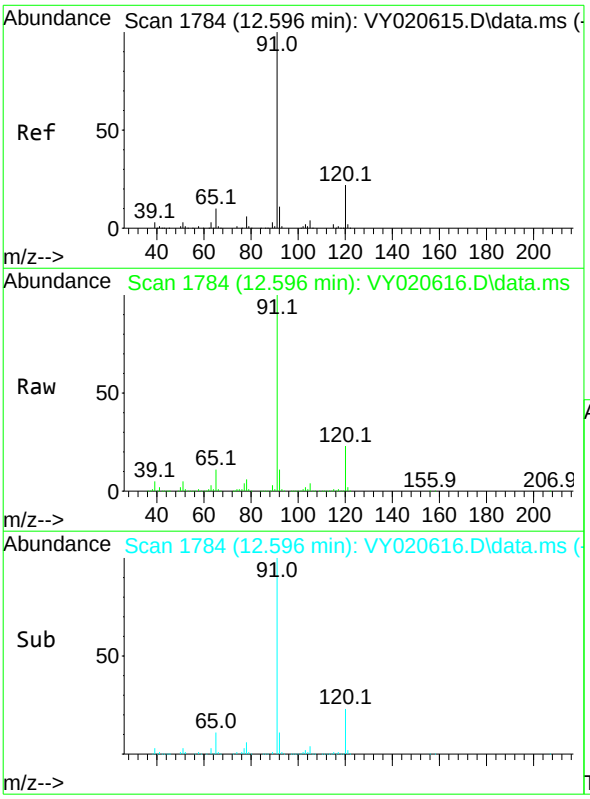
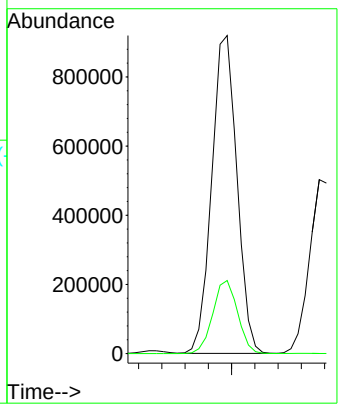


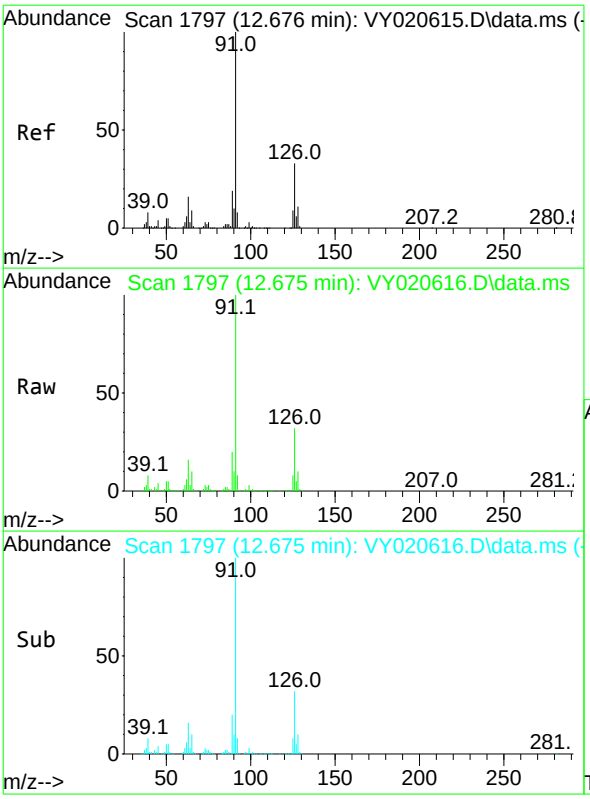


#78
n-propylbenzene
Concen: 97.980 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 91 Resp: 1383699

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.1





#79
2-Chlorotoluene
Concen: 99.147 ug/l
RT: 12.675 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 91 Resp: 787764

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.6	49.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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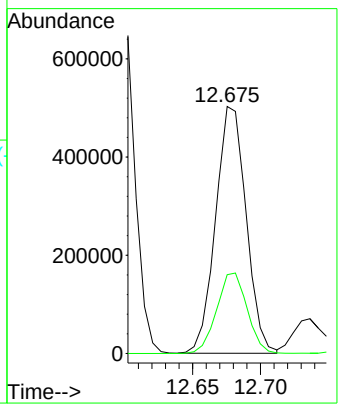
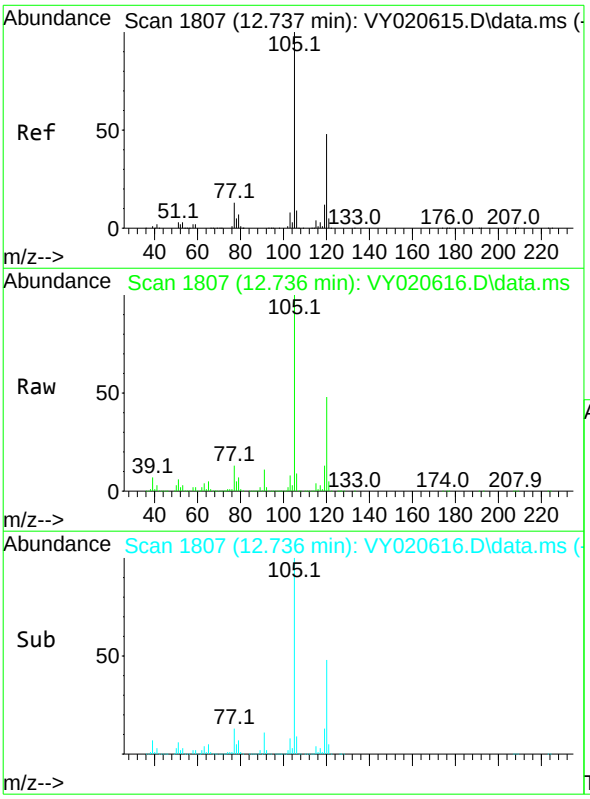
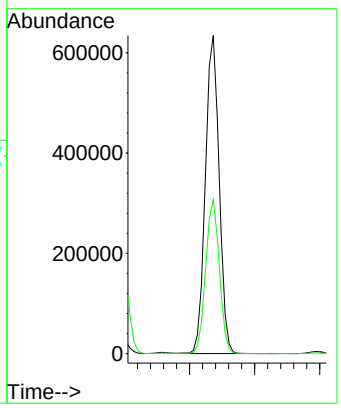


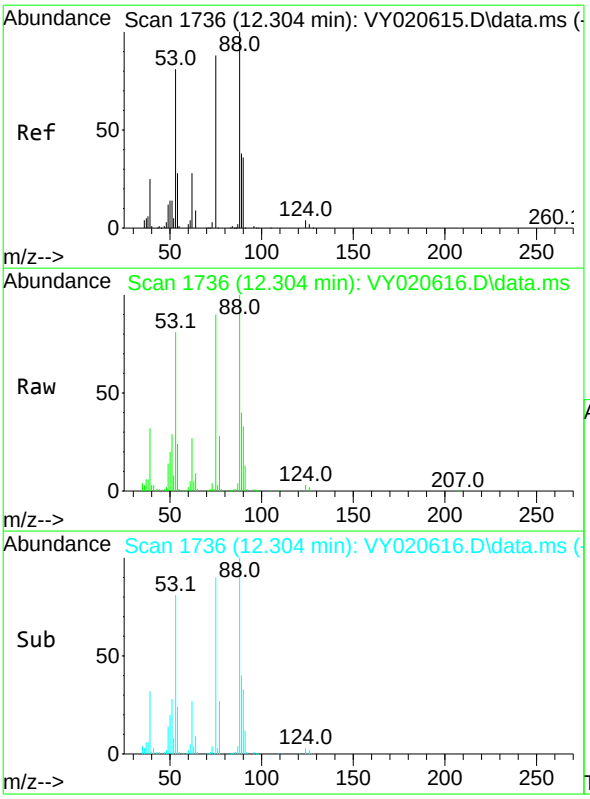


#80
1,3,5-Trimethylbenzene
Concen: 98.108 ug/l
RT: 12.736 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:105 Resp: 933106

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.9	71.7

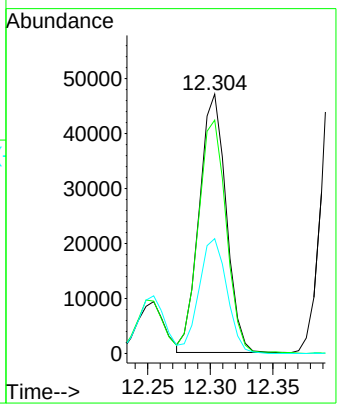




#81
trans-1,4-Dichloro-2-butene
Concen: 105.852 ug/l
RT: 12.304 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 75 Resp: 70365

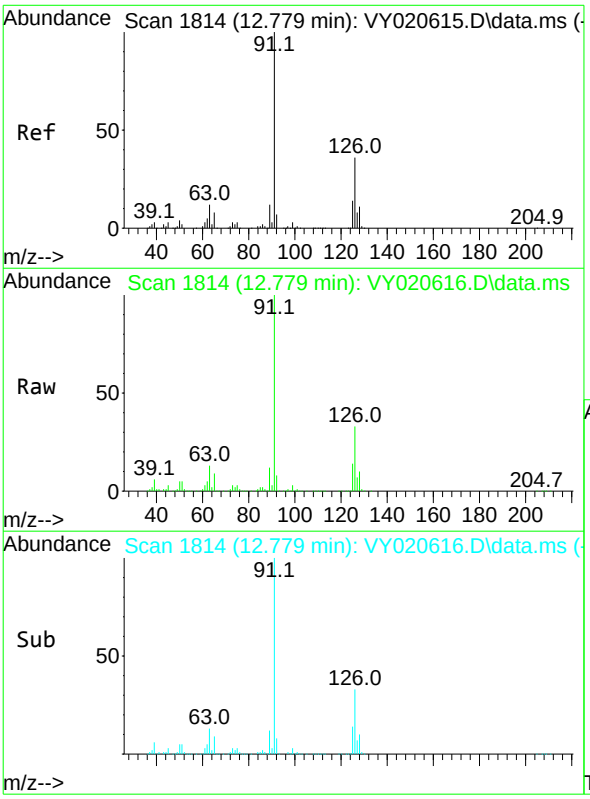
Ion	Ratio	Lower	Upper
75	100		
53	94.0	75.4	113.2
89	46.2	37.0	55.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

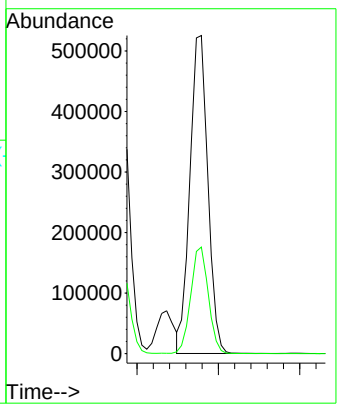
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

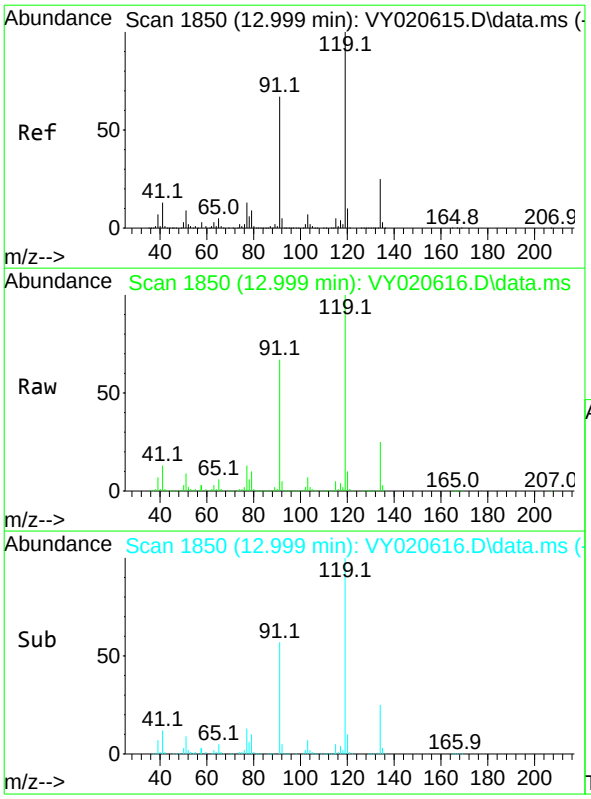


#82
4-Chlorotoluene
Concen: 97.558 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 91 Resp: 804177

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.6	49.7





#83
tert-Butylbenzene
Concen: 99.108 ug/l
RT: 12.999 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

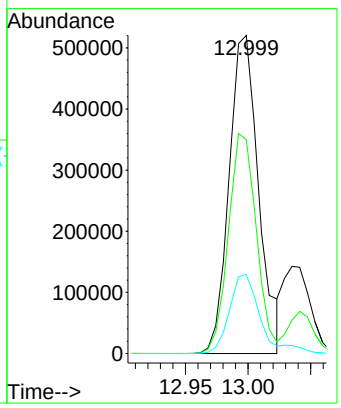
Tgt Ion:119 Resp: 853675

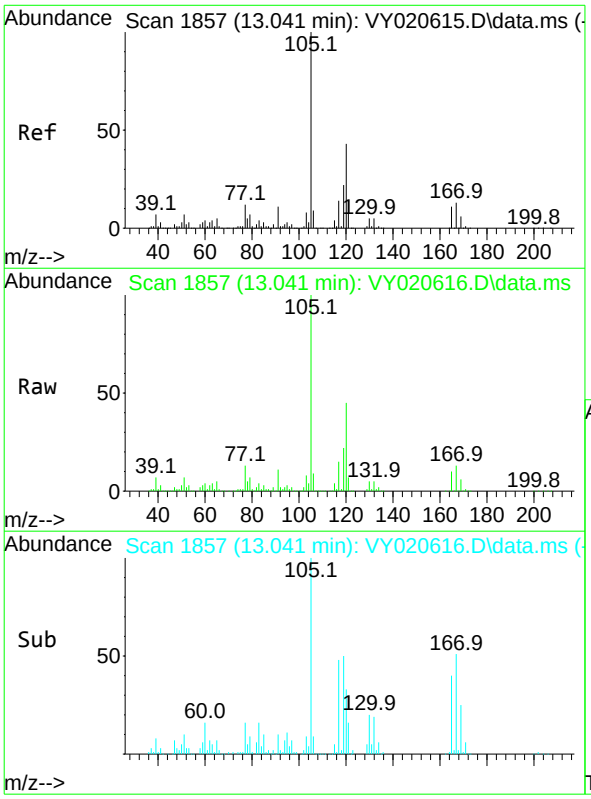
Ion	Ratio	Lower	Upper
119	100		
91	65.5	32.9	98.6
134	26.0	13.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

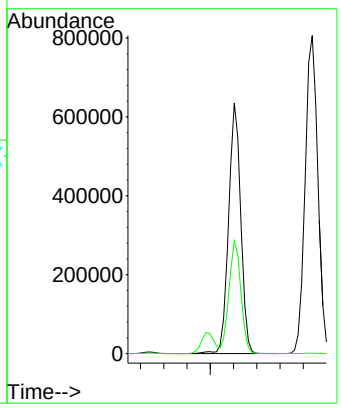


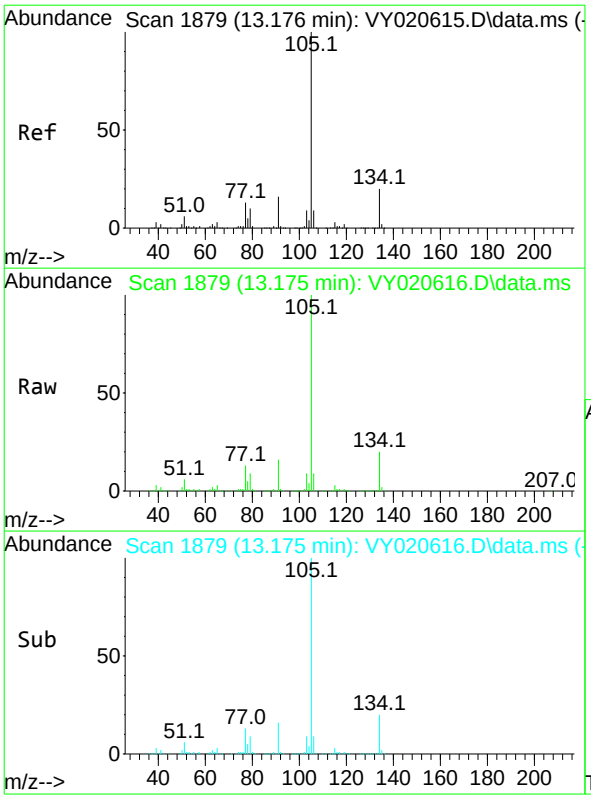


#84
1,2,4-Trimethylbenzene
Concen: 98.727 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:105 Resp: 921051

Ion	Ratio	Lower	Upper
105	100		
120	44.3	21.8	65.4





#85
sec-Butylbenzene
Concen: 97.450 ug/l
RT: 13.175 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:105 Resp: 1220465

Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.0	30.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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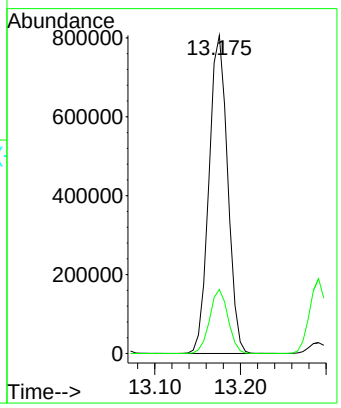
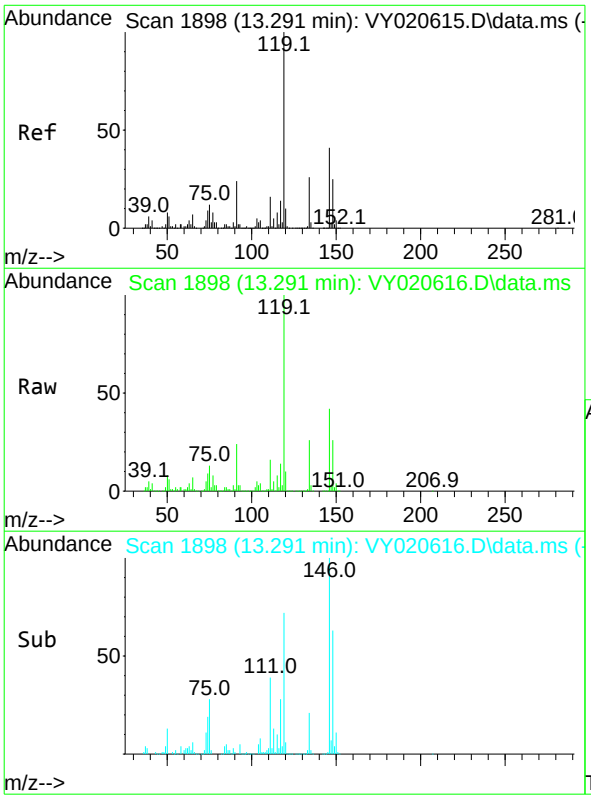
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

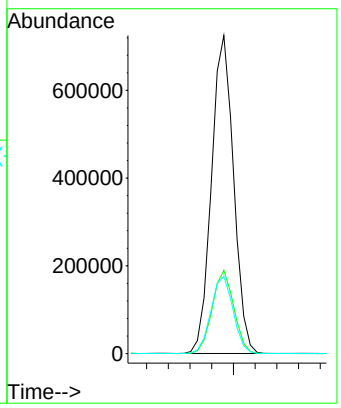


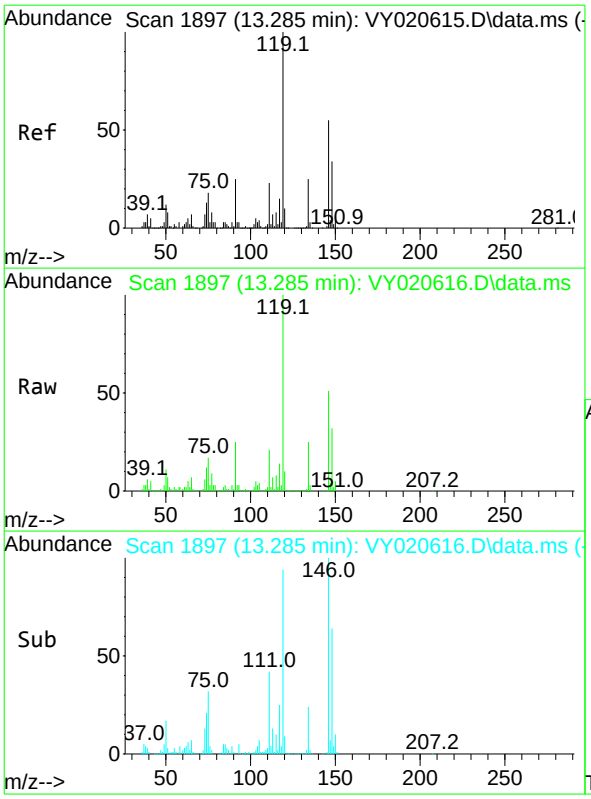


#86
p-Isopropyltoluene
Concen: 99.089 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:119 Resp: 1023181

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.9	38.6
91	24.3	12.1	36.3

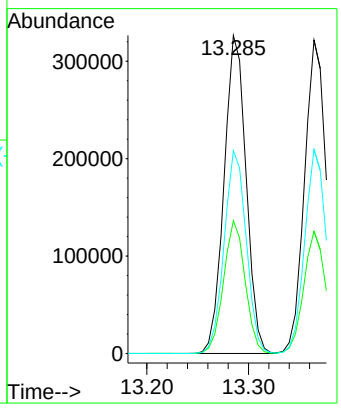




#87
1,3-Dichlorobenzene
Concen: 97.633 ug/l
RT: 13.285 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:146 Resp: 492097

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.6	61.8
148	63.8	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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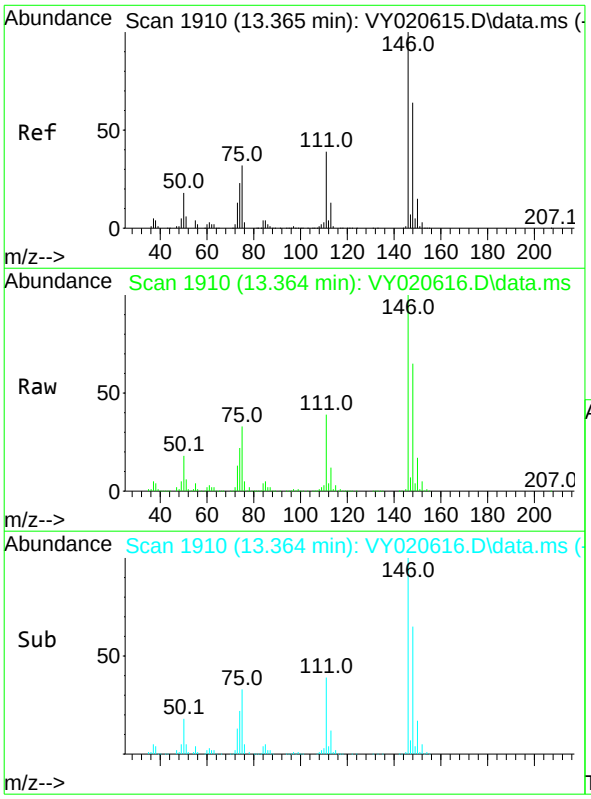
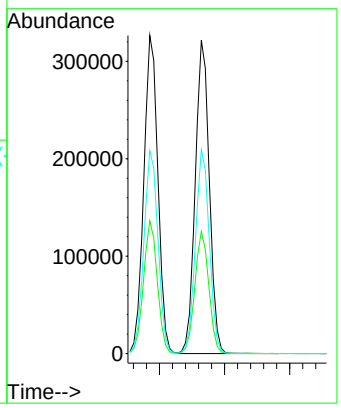
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

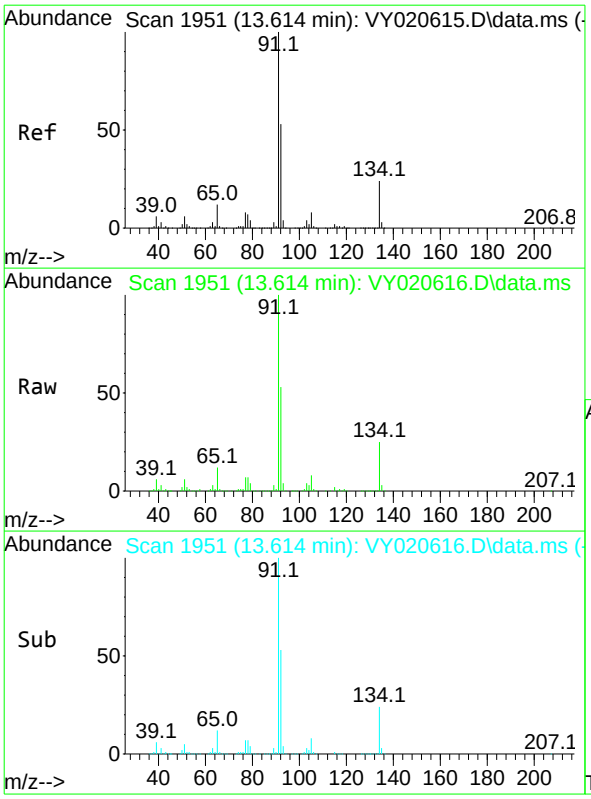


#88
1,4-Dichlorobenzene
Concen: 96.707 ug/l
RT: 13.364 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:146 Resp: 482756

Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.6	58.7
148	64.1	31.9	95.5

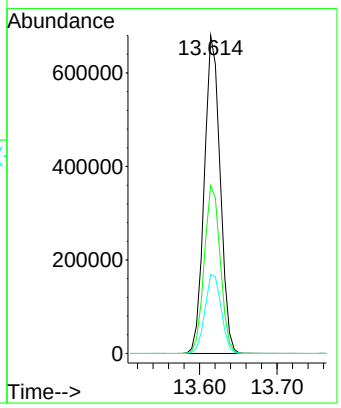




#89
n-Butylbenzene
Concen: 98.789 ug/l
RT: 13.614 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 91 Resp: 966758

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.8	80.4
134	25.5	12.5	37.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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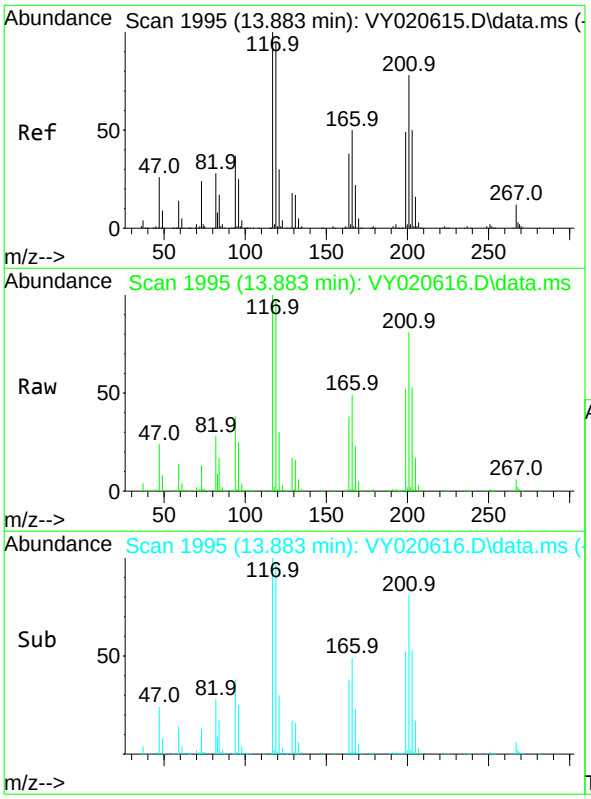
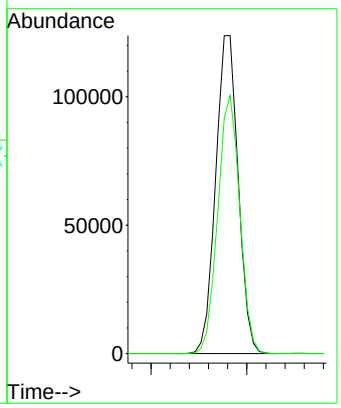
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

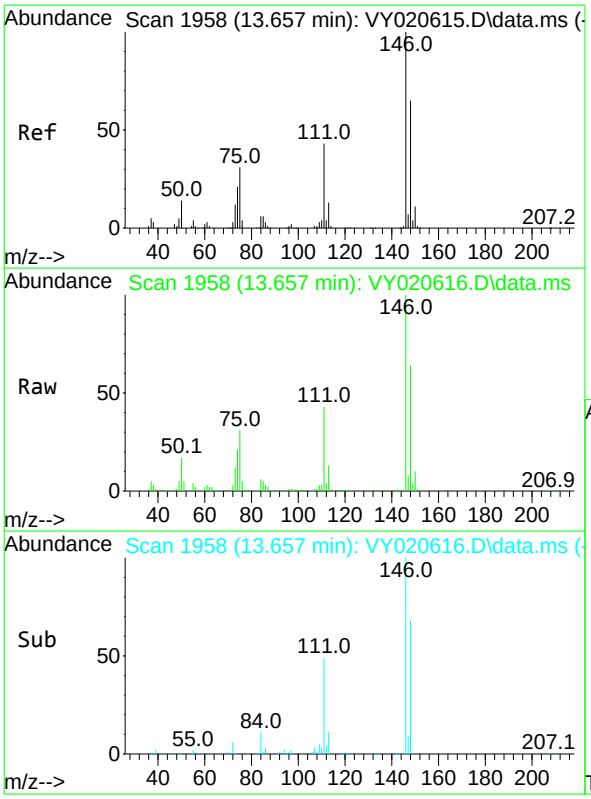


#90
Hexachloroethane
Concen: 98.910 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:117 Resp: 202399

Ion	Ratio	Lower	Upper
117	100		
201	79.3	39.1	117.3

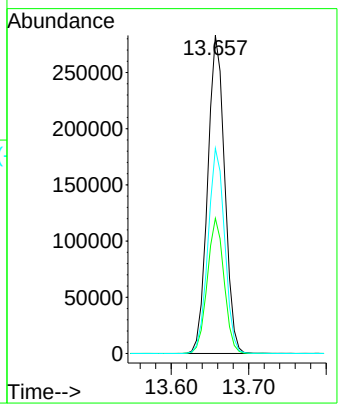




#91
1,2-Dichlorobenzene
Concen: 98.552 ug/l
RT: 13.657 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:146 Resp: 430383

Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.3	63.7
148	63.3	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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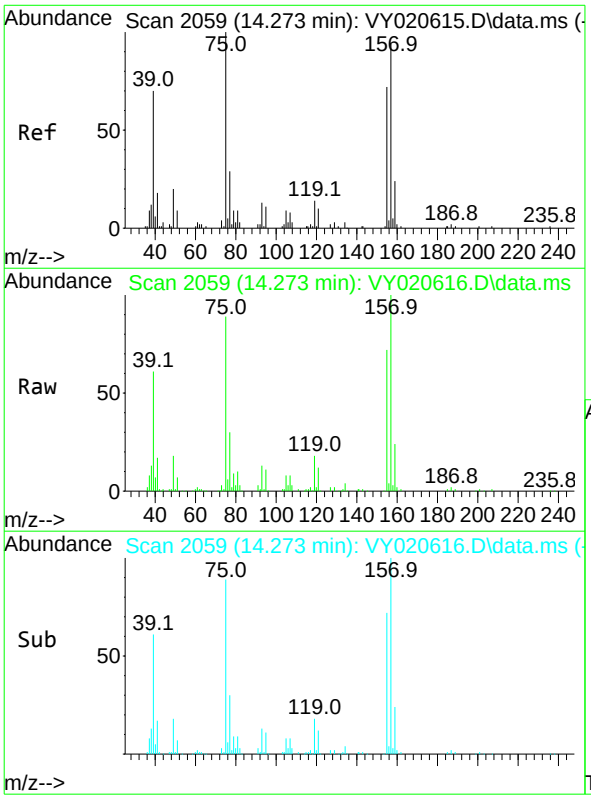
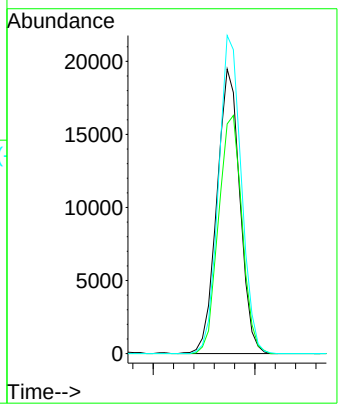
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

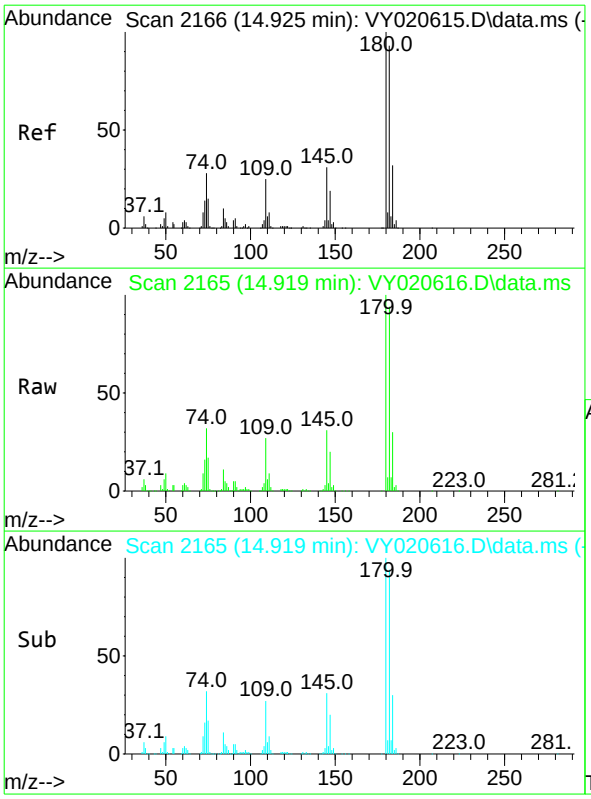


#92
1,2-Dibromo-3-Chloropropane
Concen: 99.008 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 75 Resp: 30584

Ion	Ratio	Lower	Upper
75	100		
155	85.4	41.1	123.3
157	110.3	52.9	158.8

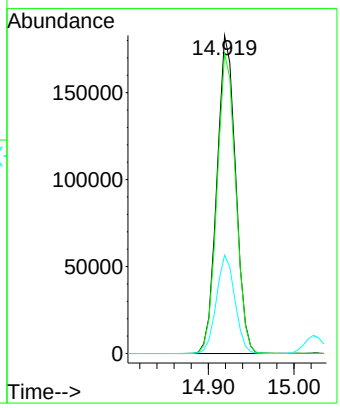




#93
1,2,4-Trichlorobenzene
Concen: 104.790 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:180 Resp: 276806

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.6
145	30.6	15.6	46.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
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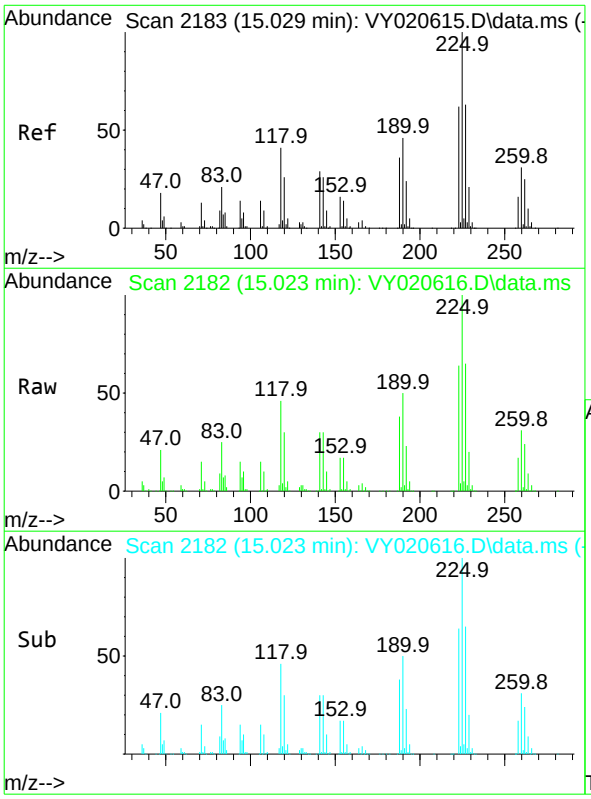
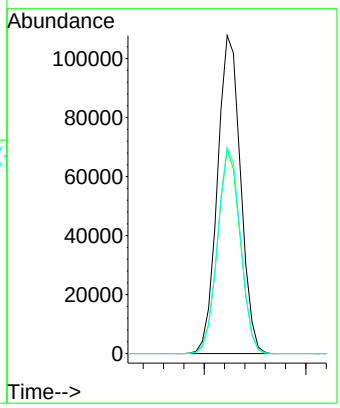
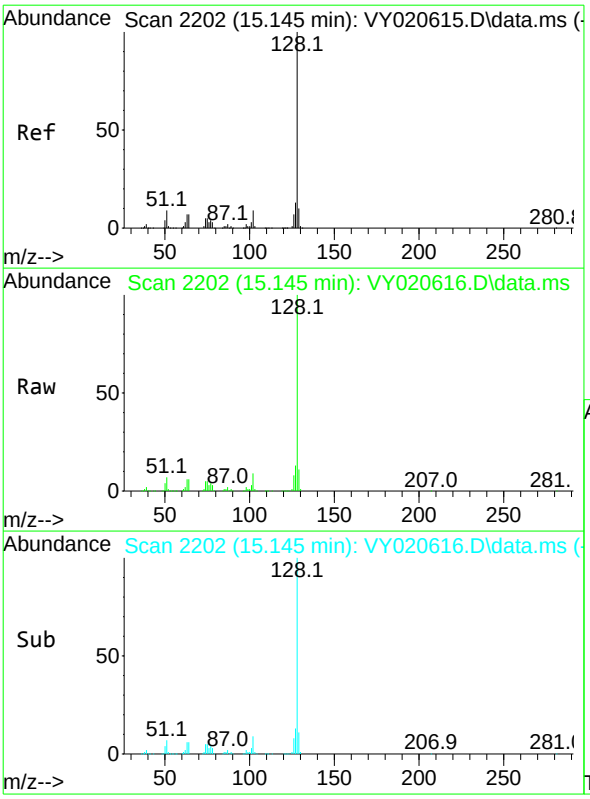


#94
Hexachlorobutadiene
Concen: 98.635 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:225 Resp: 170325

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.8	95.3
227	64.1	32.2	96.6

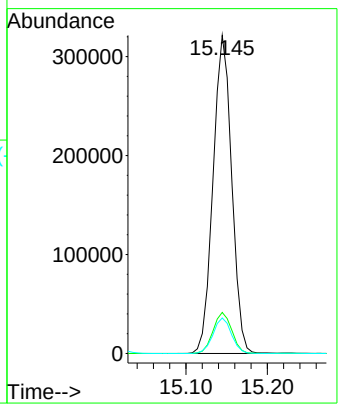




#95
Naphthalene
Concen: 113.046 ug/l
RT: 15.145 min Scan# 22
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:128 Resp: 511948

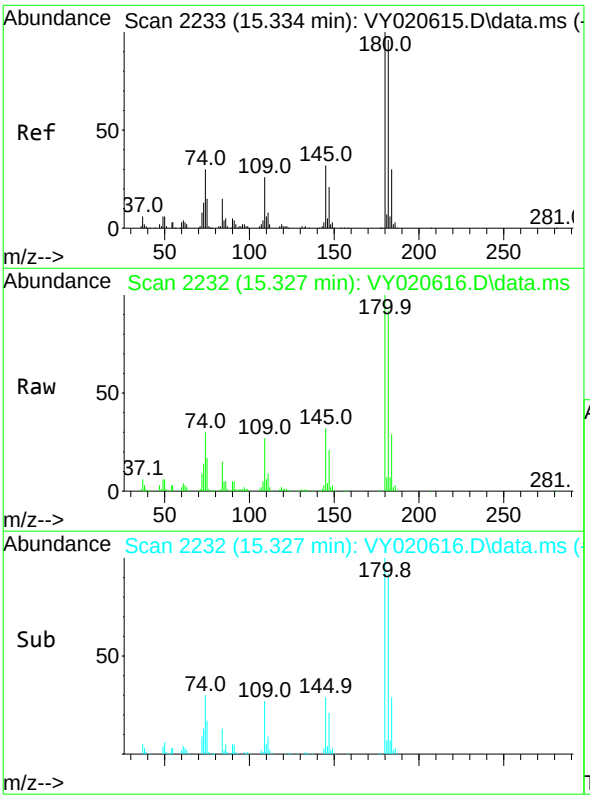
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.7	16.1
129	11.1	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

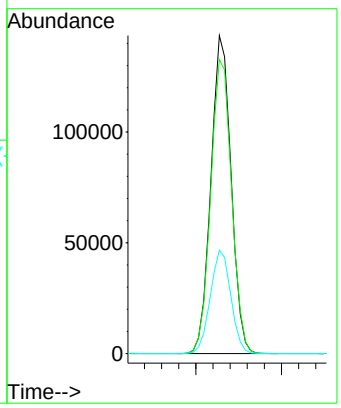
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#96
1,2,3-Trichlorobenzene
Concen: 105.207 ug/l
RT: 15.327 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:180 Resp: 234803

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	33.0	16.0	48.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020617.D
Acq On : 17 Dec 2024 11:37
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 04:54:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	184362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	278509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	244385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	135852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	258496	128.022	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 256.040%#			
35) Dibromofluoromethane	7.634	113	261486	133.217	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 266.440%#			
50) Toluene-d8	10.103	98	919148	133.785	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 267.580%#			
62) 4-Bromofluorobenzene	12.402	95	343903	127.965	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 255.940%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	305452	132.646	ug/l	99
3) Chloromethane	2.068	50	205555	120.474	ug/l	97
4) Vinyl Chloride	2.202	62	206764	130.199	ug/l	100
5) Bromomethane	2.586	94	140413	137.550	ug/l	99
6) Chloroethane	2.727	64	138821	141.459	ug/l	98
7) Trichlorofluoromethane	3.056	101	447890	134.789	ug/l	98
8) Diethyl Ether	3.452	74	150374	129.035	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	297171	124.769	ug/l	100
10) Methyl Iodide	4.001	142	345686	130.361	ug/l	99
11) Tert butyl alcohol	4.866	59	123878	737.397	ug/l	100
12) 1,1-Dichloroethene	3.787	96	291982	126.344	ug/l	98
13) Acrolein	3.653	56	42281	442.848	ug/l	97
14) Allyl chloride	4.385	41	498233	123.037	ug/l	99
15) Acrylonitrile	5.055	53	365294	655.216	ug/l	98
17) Carbon Disulfide	4.104	76	923365	122.748	ug/l	100
18) Methyl Acetate	4.385	43	161535	117.584	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	810589	135.895	ug/l	96
20) Methylene Chloride	4.616	84	329862	131.394	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	351487	135.586	ug/l	99
22) Diisopropyl ether	6.019	45	1089955	132.601	ug/l	99
23) Vinyl Acetate	5.958	43	3123065	670.840	ug/l	100
24) 1,1-Dichloroethane	5.915	63	648906	134.755	ug/l	100
25) 2-Butanone	6.890	43	458674	611.252	ug/l	100
26) 2,2-Dichloropropane	6.884	77	575868	126.503	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	400187	134.176	ug/l	99
28) Bromochloromethane	7.244	49	238929	147.100	ug/l	99
29) Tetrahydrofuran	7.262	42	305396	644.700	ug/l	99
30) Chloroform	7.421	83	656177	145.857	ug/l	98
31) Cyclohexane	7.701	56	584271	126.896	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	600711	135.784	ug/l	99
36) 1,1-Dichloropropene	7.835	75	485468	135.636	ug/l	99
37) Ethyl Acetate	6.982	43	213468	126.794	ug/l	99
38) Carbon Tetrachloride	7.817	117	548361	138.477	ug/l	98
39) Methylcyclohexane	9.110	83	640301	137.259	ug/l	98
40) Benzene	8.079	78	1431012	136.402	ug/l	98
41) Methacrylonitrile	7.220	41	119101	133.813	ug/l	95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020617.D
Acq On : 17 Dec 2024 11:37
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Dec 18 04:54:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,2-Dichloroethane	8.159	62	377438	135.647	ug/l		100
43) Isopropyl Acetate	8.195	43	433206	135.916	ug/l		100
44) Trichloroethene	8.866	130	352263	136.648	ug/l		98
45) 1,2-Dichloropropane	9.140	63	335340	136.766	ug/l		98
46) Dibromomethane	9.225	93	174812	134.905	ug/l		99
47) Bromodichloromethane	9.420	83	485795	138.787	ug/l		98
48) Methyl methacrylate	9.219	41	210550	138.957	ug/l		99
49) 1,4-Dioxane	9.225	88	41221	2773.834	ug/l		100
51) 4-Methyl-2-Pentanone	9.994	43	1092140	649.161	ug/l		99
52) Toluene	10.170	92	904033	138.659	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	464905	142.541	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	540157	139.760	ug/l		99
55) 1,1,2-Trichloroethane	10.567	97	230372	134.466	ug/l		97
56) Ethyl methacrylate	10.439	69	363115	146.095	ug/l		98
57) 1,3-Dichloropropane	10.713	76	413542	135.406	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	826777	790.569	ug/l		99
59) 2-Hexanone	10.756	43	731842	677.527	ug/l		98
60) Dibromochloromethane	10.908	129	318266	138.906	ug/l		99
61) 1,2-Dibromoethane	11.012	107	218394	137.043	ug/l		100
64) Tetrachloroethene	10.646	164	309587	134.678	ug/l		97
65) Chlorobenzene	11.438	112	948051	138.742	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.512	131	324778	138.995	ug/l		98
67) Ethyl Benzene	11.518	91	1770086	140.410	ug/l		99
68) m/p-Xylenes	11.627	106	1308282	279.114	ug/l		100
69) o-Xylene	11.951	106	617079	141.099	ug/l		99
70) Styrene	11.969	104	1031166	141.122	ug/l		99
71) Bromoform	12.133	173	183216	139.463	ug/l	#	98
73) Isopropylbenzene	12.255	105	1651138	139.276	ug/l		100
74) N-amyl acetate	12.066	43	396216	142.807	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	258787	134.480	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	183456m	131.115	ug/l		
77) Bromobenzene	12.530	156	357464	138.423	ug/l		100
78) n-propylbenzene	12.597	91	1971458	138.026	ug/l		99
79) 2-Chlorotoluene	12.676	91	1111362	138.298	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1332805	138.553	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	96747	143.899	ug/l		98
82) 4-Chlorotoluene	12.774	91	1135416	136.190	ug/l		100
83) tert-Butylbenzene	12.999	119	1219521	139.985	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1313945	139.253	ug/l		99
85) sec-Butylbenzene	13.176	105	1737212	137.147	ug/l		100
86) p-Isopropyltoluene	13.292	119	1456581	139.472	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	693843	136.109	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	684559	135.587	ug/l		100
89) n-Butylbenzene	13.615	91	1382912	139.722	ug/l		99
90) Hexachloroethane	13.877	117	293562	141.843	ug/l		99
91) 1,2-Dichlorobenzene	13.658	146	611871	138.532	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	43513	139.274	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	403445	151.011	ug/l		99
94) Hexachlorobutadiene	15.023	225	250003	143.145	ug/l		100
95) Naphthalene	15.145	128	736677	160.836	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	344880	152.787	ug/l		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020617.D
Acq On : 17 Dec 2024 11:37
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 04:54:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

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

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

ICAL Form

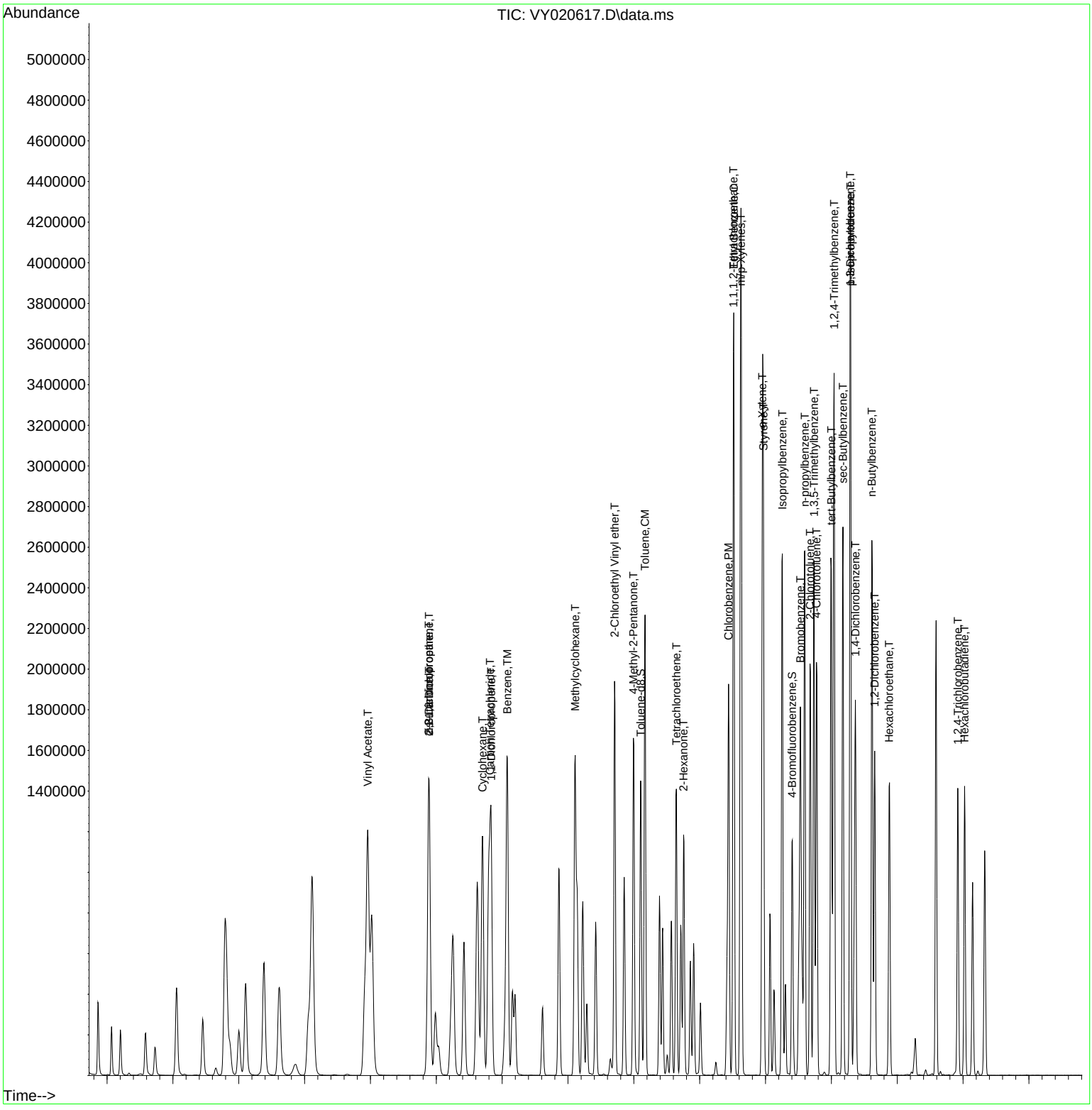
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020617.D
Acq On : 17 Dec 2024 11:37
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

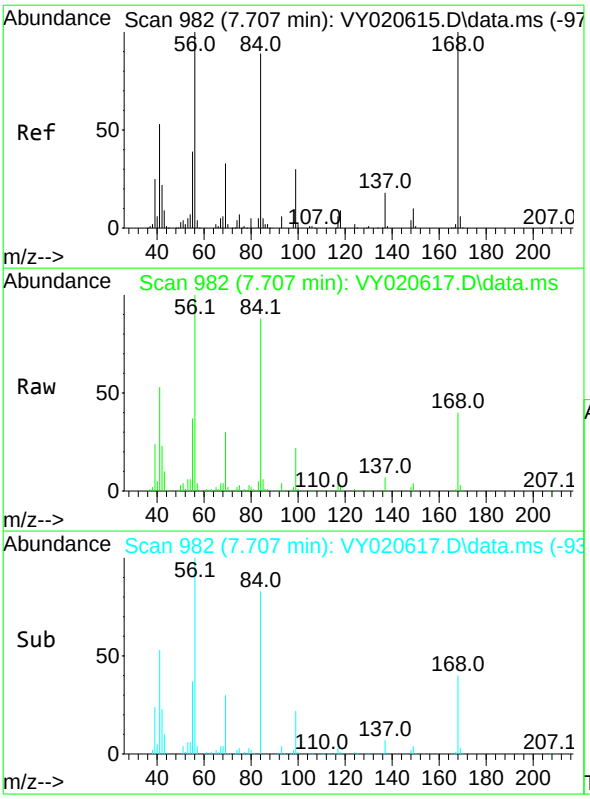
Quant Time: Dec 18 04:54:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

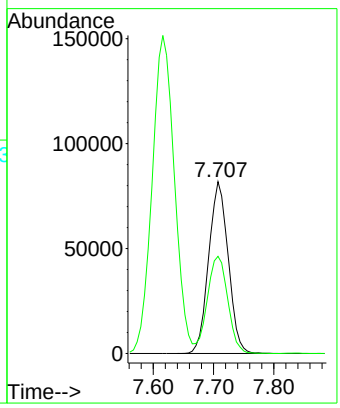




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:168 Resp: 184362

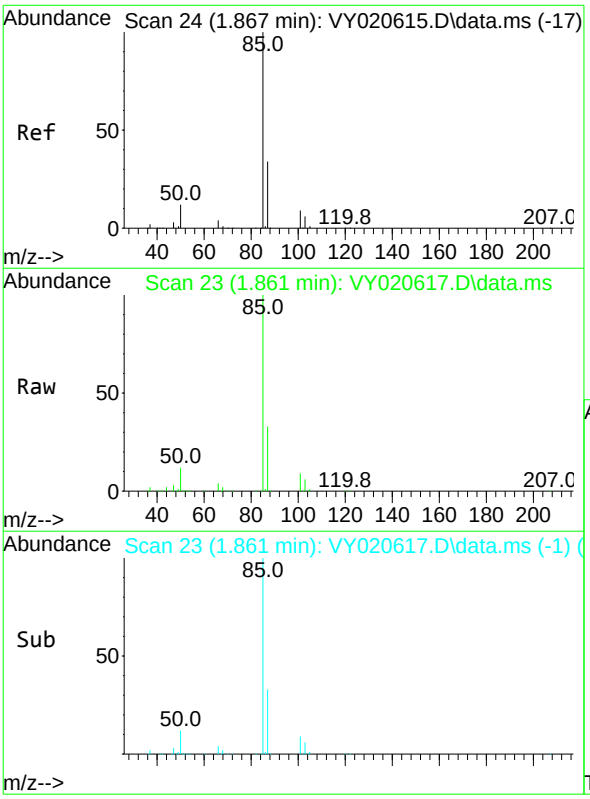
Ion	Ratio	Lower	Upper
168	100		
99	56.5	47.0	70.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

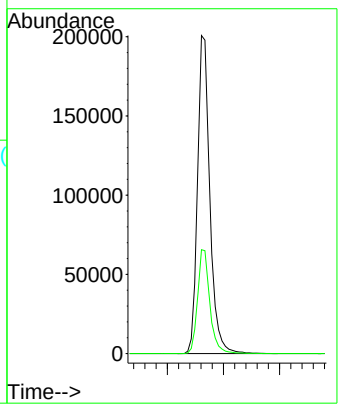
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

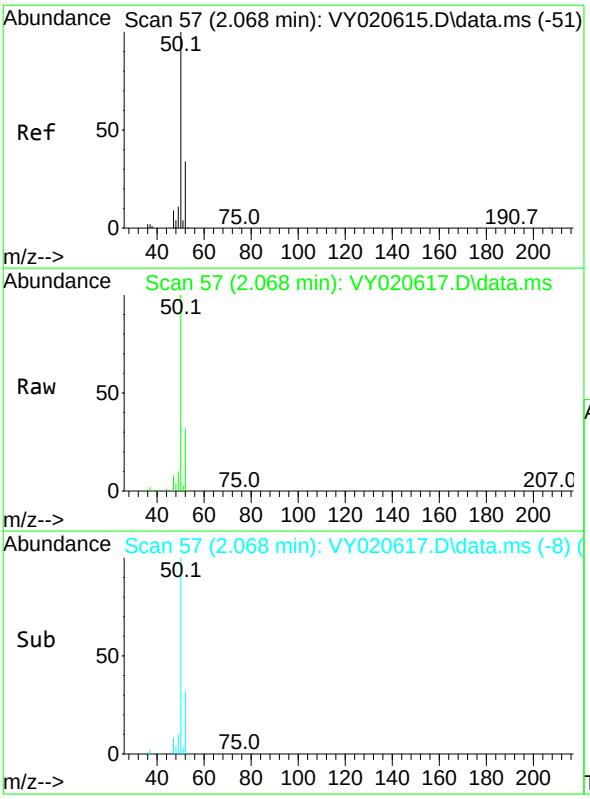


#2
Dichlorodifluoromethane
Concen: 132.646 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 85 Resp: 305452

Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.8	50.3

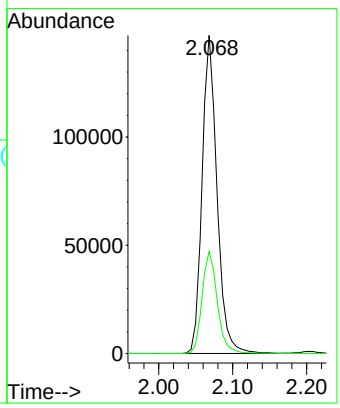




#3
Chloromethane
Concen: 120.474 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 50 Resp: 205555

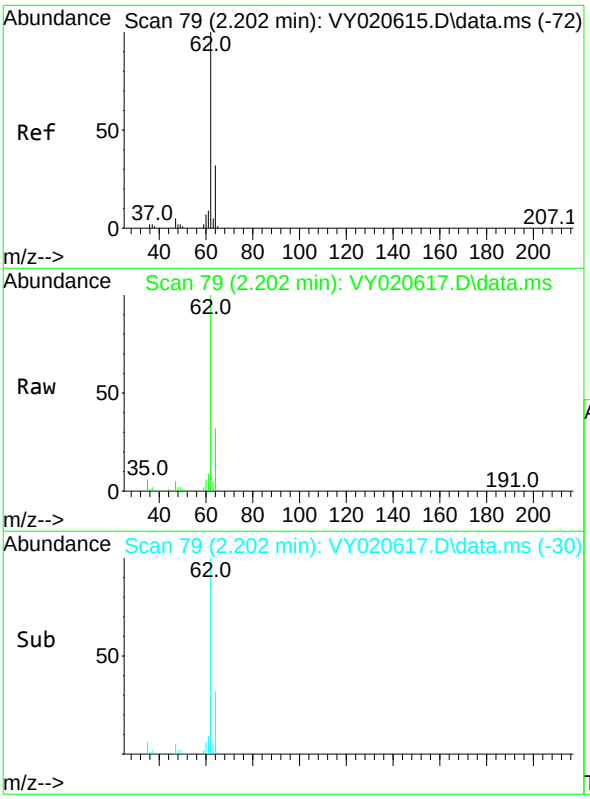
Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

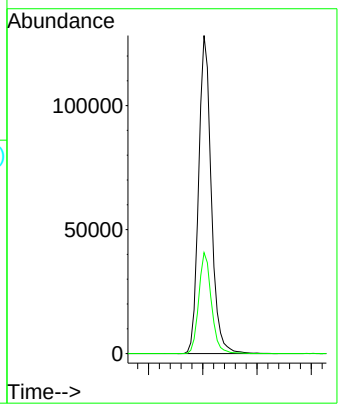
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

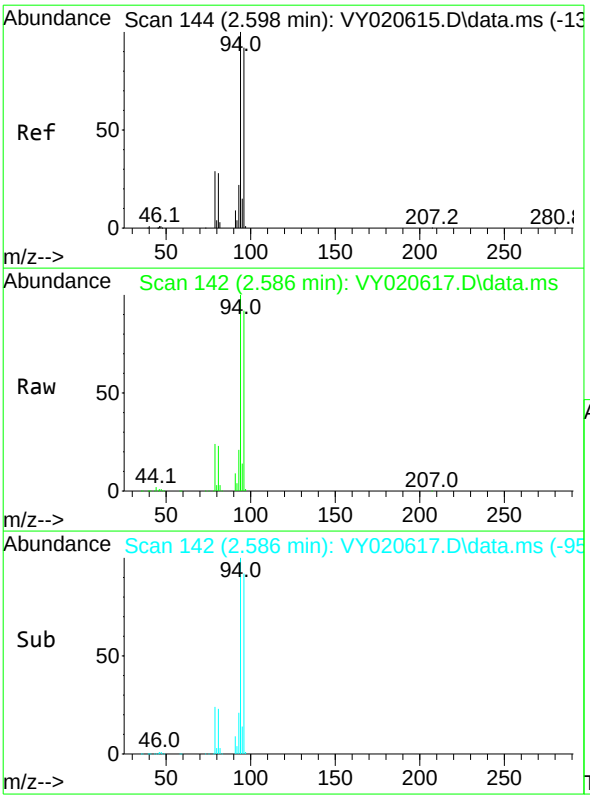


#4
Vinyl Chloride
Concen: 130.199 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 62 Resp: 206764

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.3	37.9

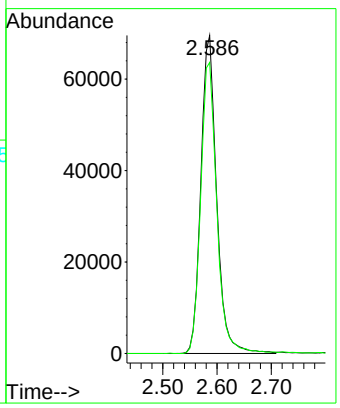




#5
Bromomethane
Concen: 137.550 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 94 Resp: 140413

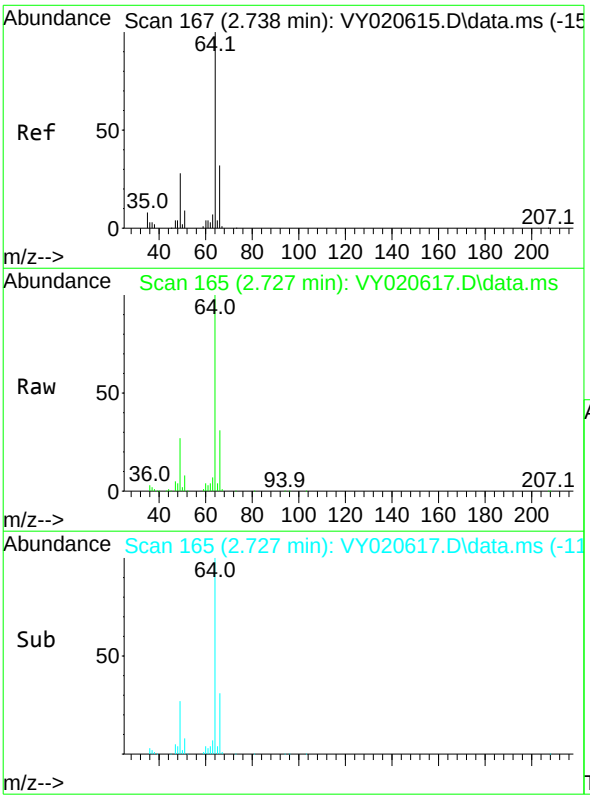
Ion	Ratio	Lower	Upper
94	100		
96	91.5	73.8	110.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

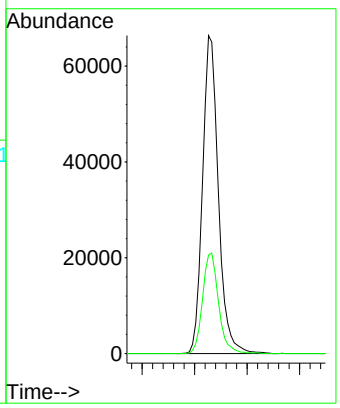
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

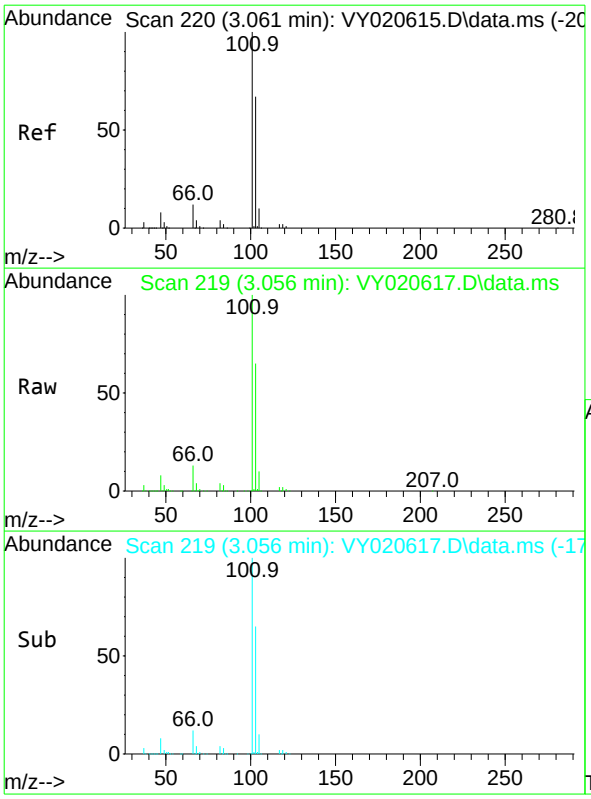


#6
Chloroethane
Concen: 141.459 ug/l
RT: 2.727 min Scan# 165
Delta R.T. -0.012 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 64 Resp: 138821

Ion	Ratio	Lower	Upper
64	100		
66	31.0	25.8	38.6

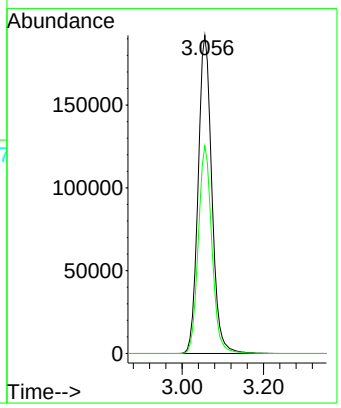




#7
Trichlorofluoromethane
Concen: 134.789 ug/l
RT: 3.056 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:101 Resp: 447890

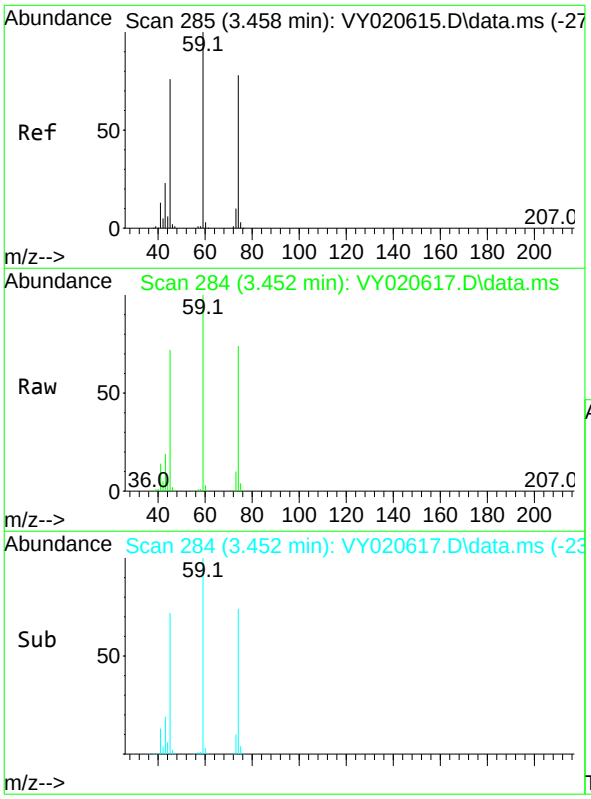
Ion	Ratio	Lower	Upper
101	100		
103	65.3	53.4	80.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

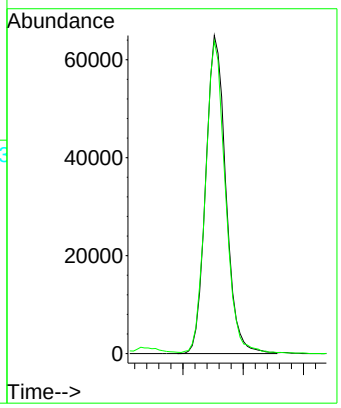
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

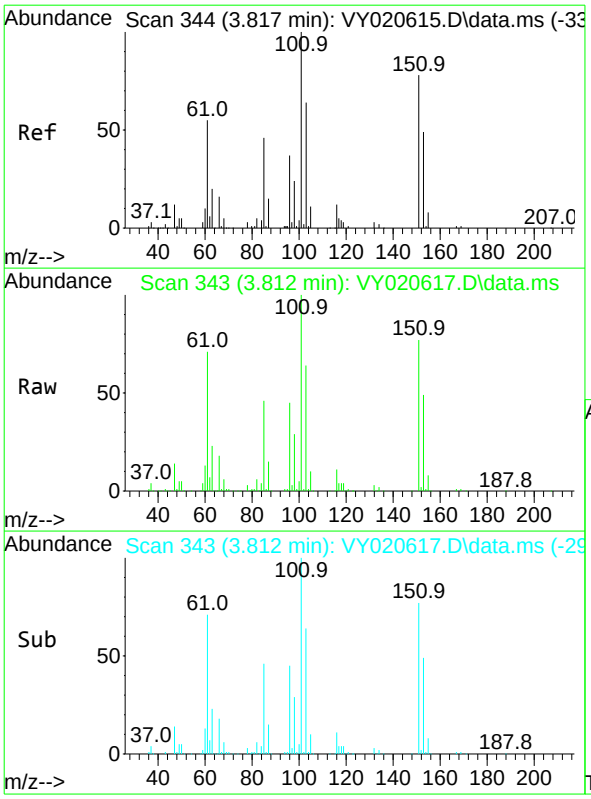


#8
Diethyl Ether
Concen: 129.035 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 74 Resp: 150374

Ion	Ratio	Lower	Upper
74	100		
45	97.8	49.0	147.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 124.769 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

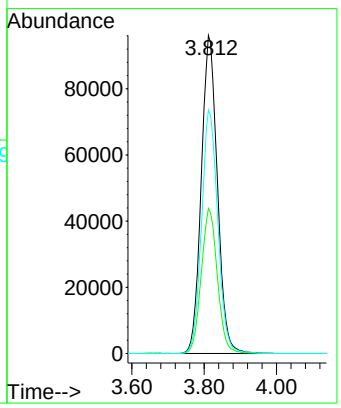
Tgt Ion:101 Resp: 297171

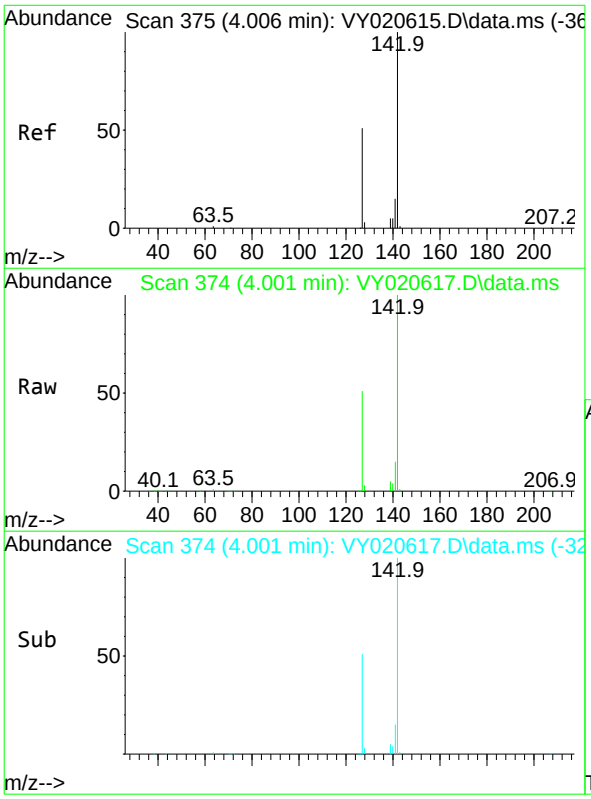
Ion	Ratio	Lower	Upper
101	100		
85	45.5	36.6	54.8
151	77.2	61.5	92.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

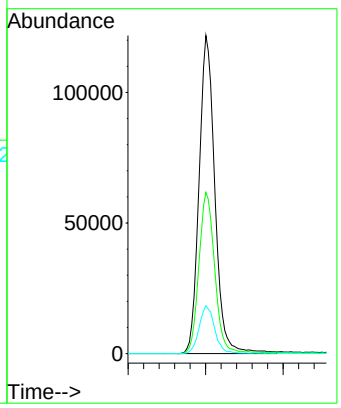


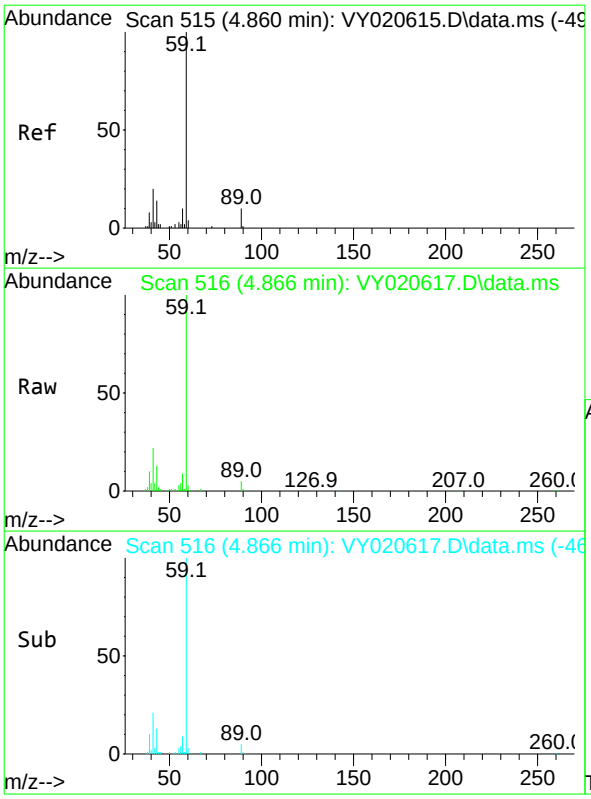


#10
Methyl Iodide
Concen: 130.361 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.005 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:142 Resp: 345686

Ion	Ratio	Lower	Upper
142	100		
127	50.4	40.6	61.0
141	14.8	11.7	17.5

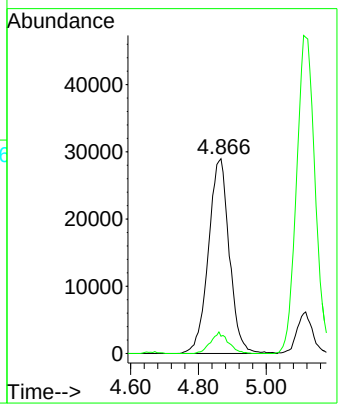




#11
Tert butyl alcohol
Concen: 737.397 ug/l
RT: 4.866 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 59 Resp: 123878

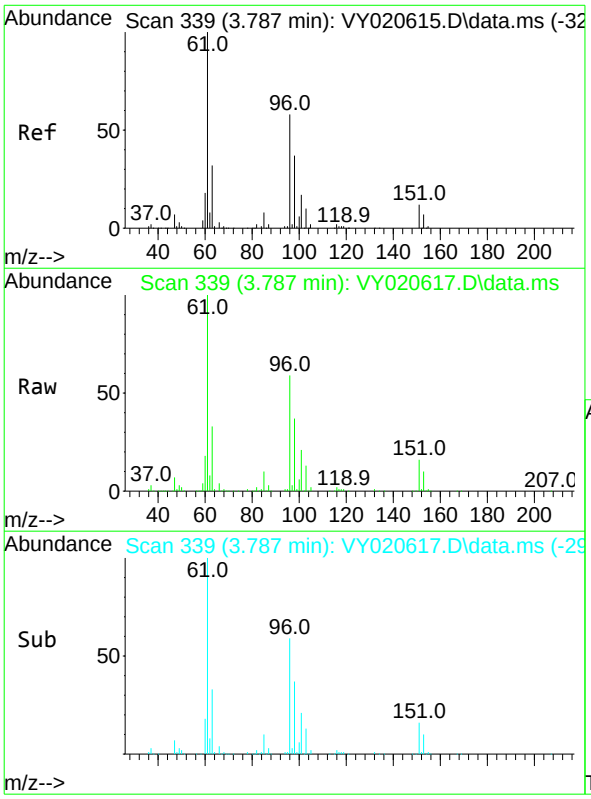
Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

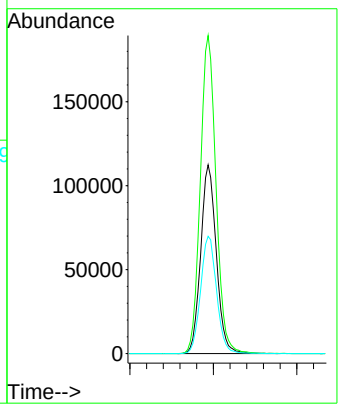
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

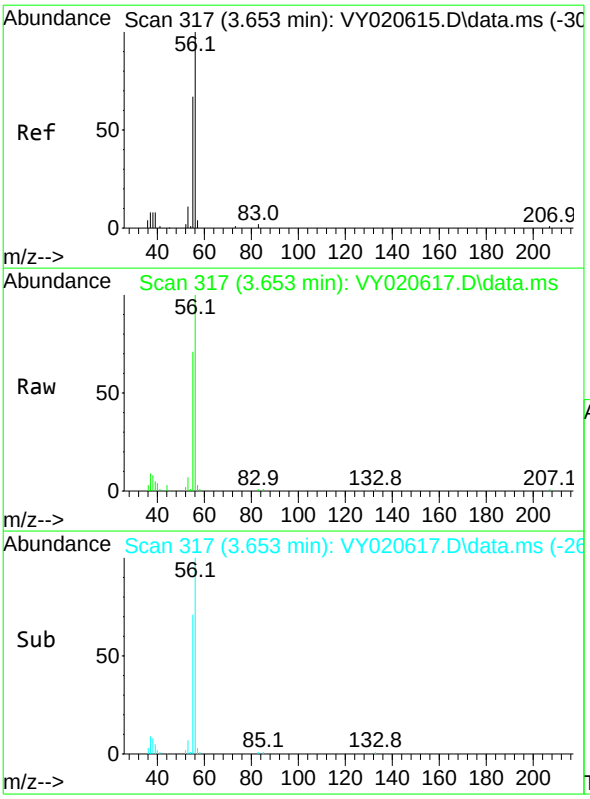


#12
1,1-Dichloroethene
Concen: 126.344 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 96 Resp: 291982

Ion	Ratio	Lower	Upper
96	100		
61	168.5	136.9	205.3
98	62.2	50.2	75.4

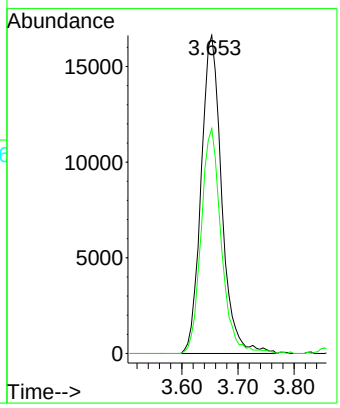




#13
Acrolein
Concen: 442.848 ug/l
RT: 3.653 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 56 Resp: 42281

Ion	Ratio	Lower	Upper
56	100		
55	69.2	57.5	86.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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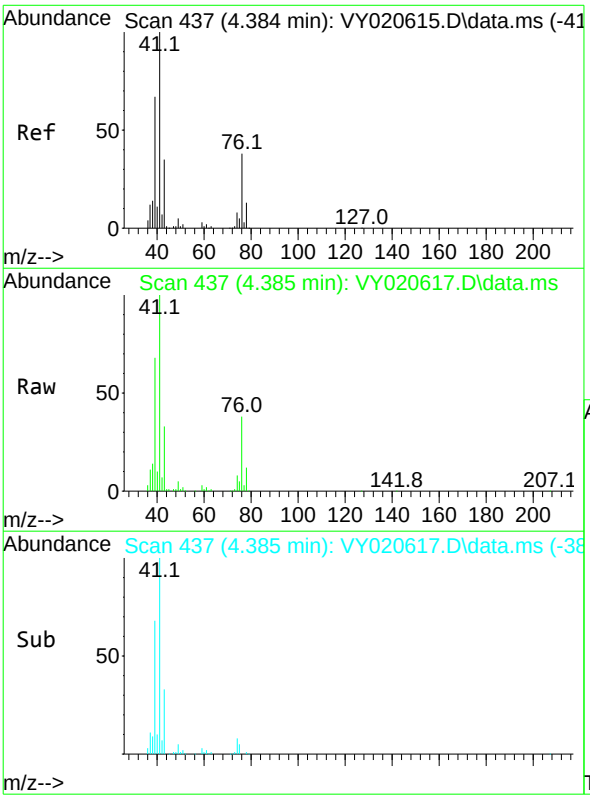
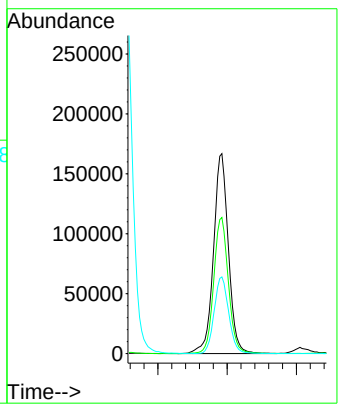
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

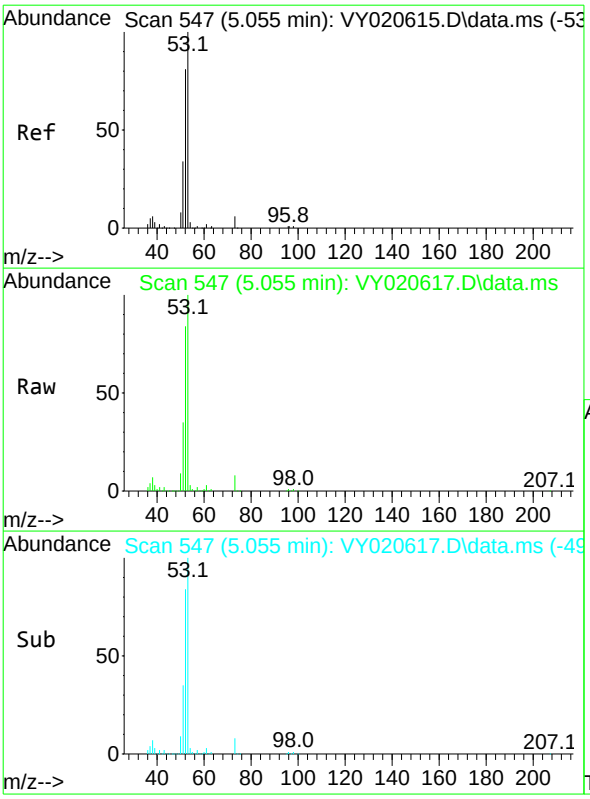


#14
Allyl chloride
Concen: 123.037 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 41 Resp: 498233

Ion	Ratio	Lower	Upper
41	100		
39	66.8	53.0	79.4
76	37.4	29.5	44.3

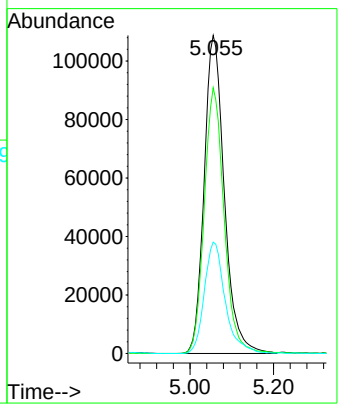




#15
Acrylonitrile
Concen: 655.216 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 53 Resp: 365294

Ion	Ratio	Lower	Upper
53	100		
52	82.2	64.5	96.7
51	36.2	29.4	44.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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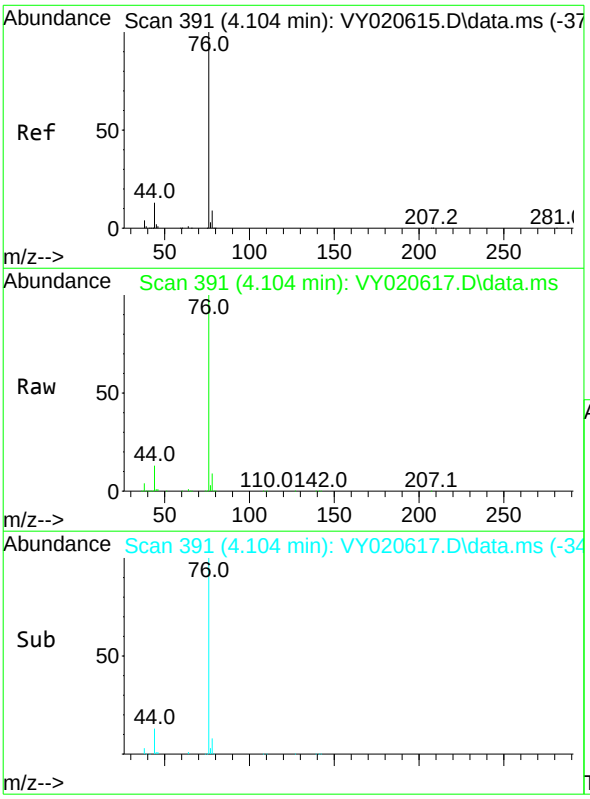
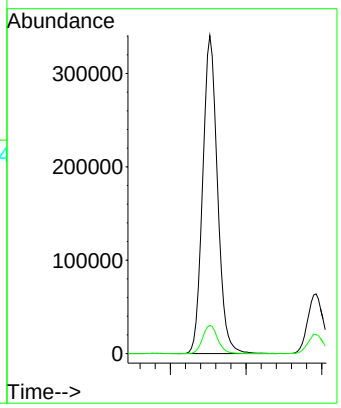
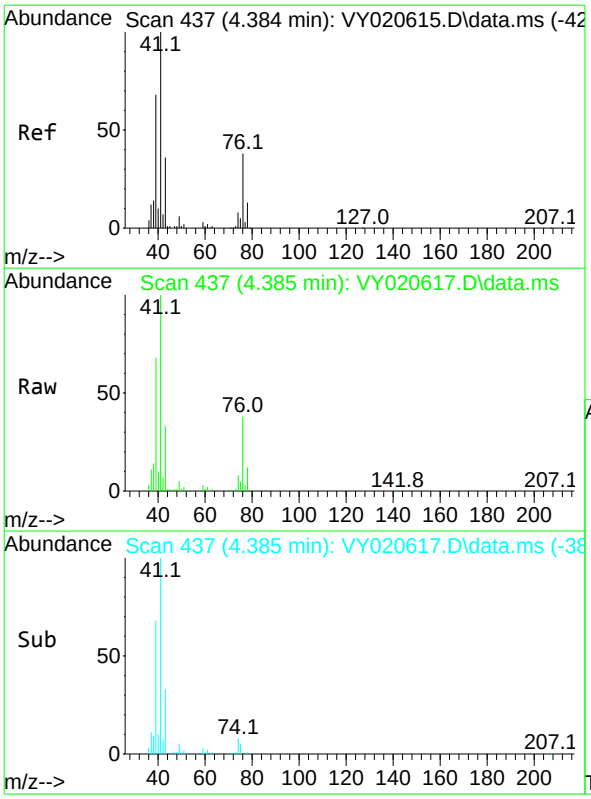


#17
Carbon Disulfide
Concen: 122.748 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 76 Resp: 923365

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

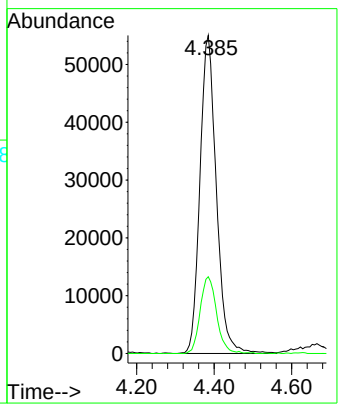




#18
Methyl Acetate
Concen: 117.584 ug/l
RT: 4.385 min Scan# 43
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 43 Resp: 161535

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.2	28.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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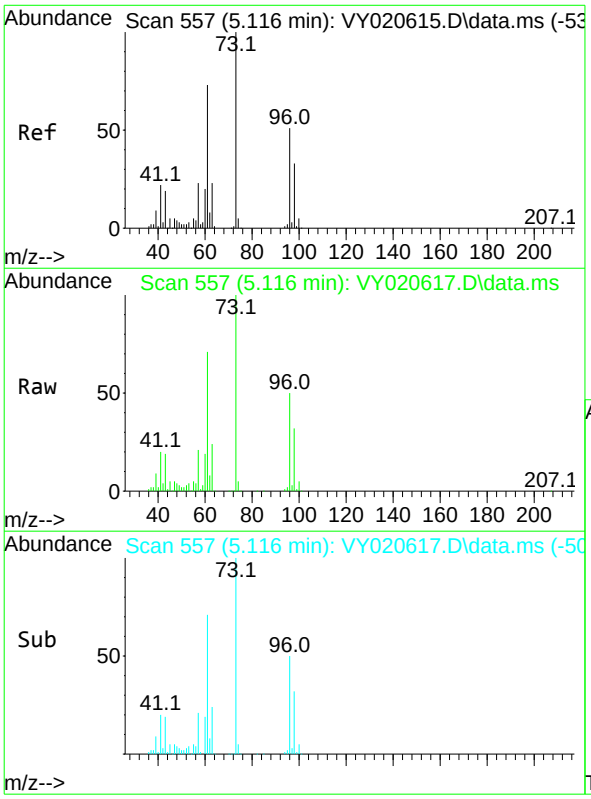
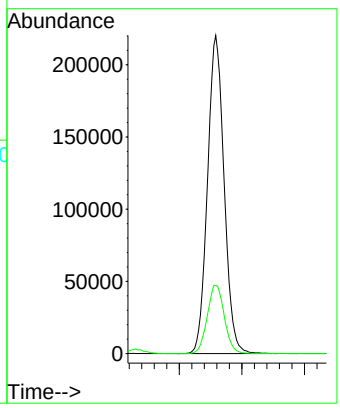
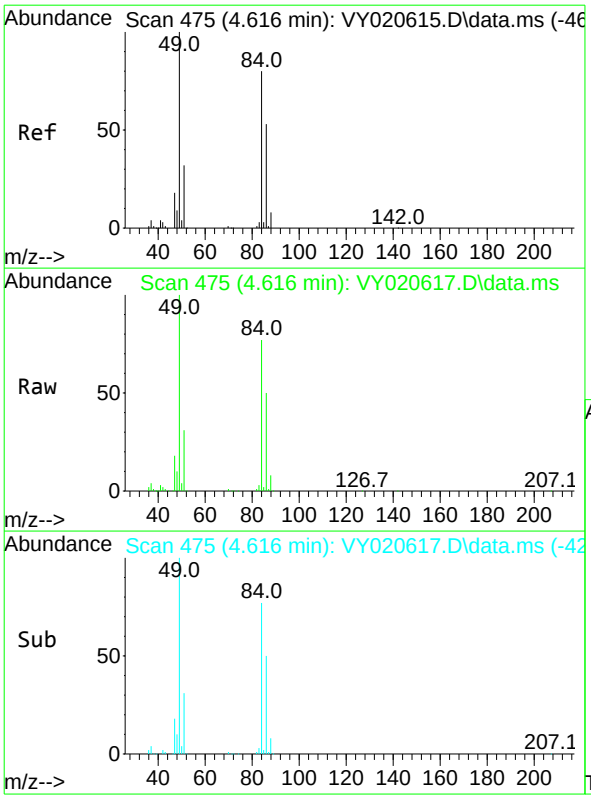


#19
Methyl tert-butyl Ether
Concen: 135.895 ug/l
RT: 5.116 min Scan# 557
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 73 Resp: 810589

Ion	Ratio	Lower	Upper
73	100		
57	21.4	18.5	27.7

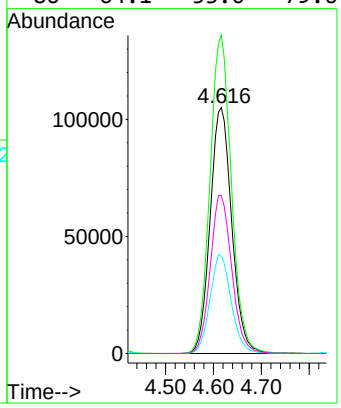




#20
Methylene Chloride
Concen: 131.394 ug/l
RT: 4.616 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 84 Resp: 329862

Ion	Ratio	Lower	Upper
84	100		
49	129.3	100.7	151.1
51	39.6	32.2	48.2
86	64.1	53.0	79.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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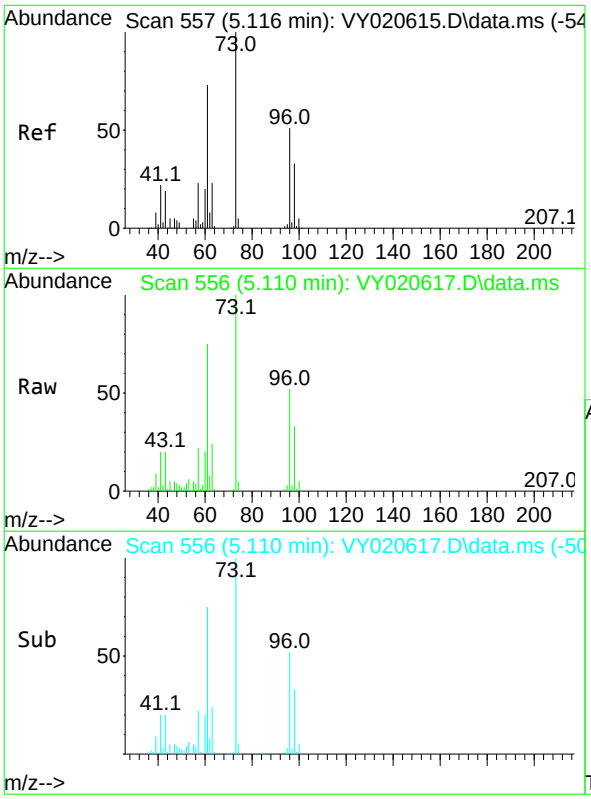
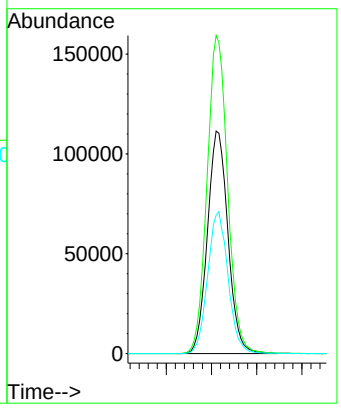
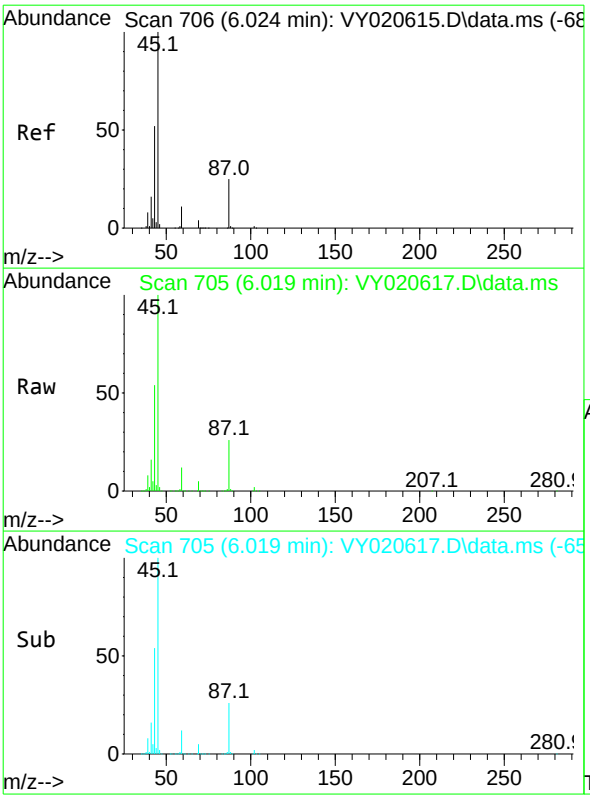


#21
trans-1,2-Dichloroethene
Concen: 135.586 ug/l
RT: 5.110 min Scan# 556
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 96 Resp: 351487

Ion	Ratio	Lower	Upper
96	100		
61	142.9	113.7	170.5
98	62.2	51.7	77.5

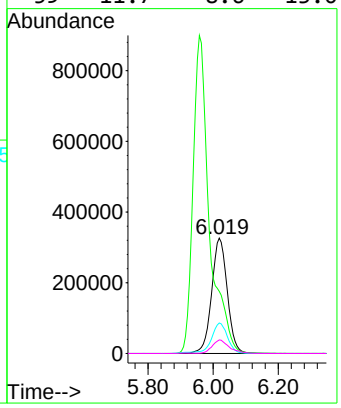




#22
Diisopropyl ether
Concen: 132.601 ug/l
RT: 6.019 min Scan# 70
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 45 Resp: 1089955

Ion	Ratio	Lower	Upper
45	100		
43	53.7	42.6	64.0
87	26.4	20.6	31.0
59	11.7	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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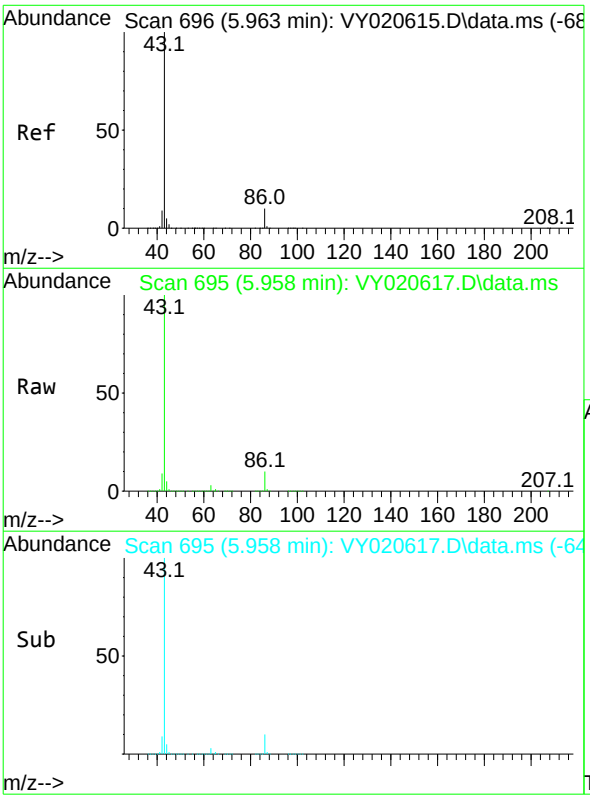
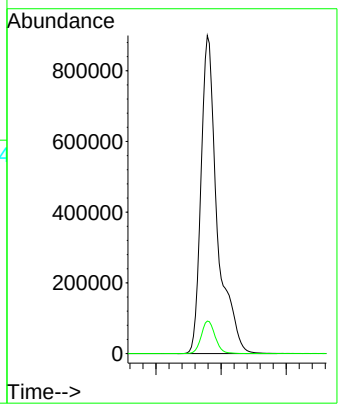
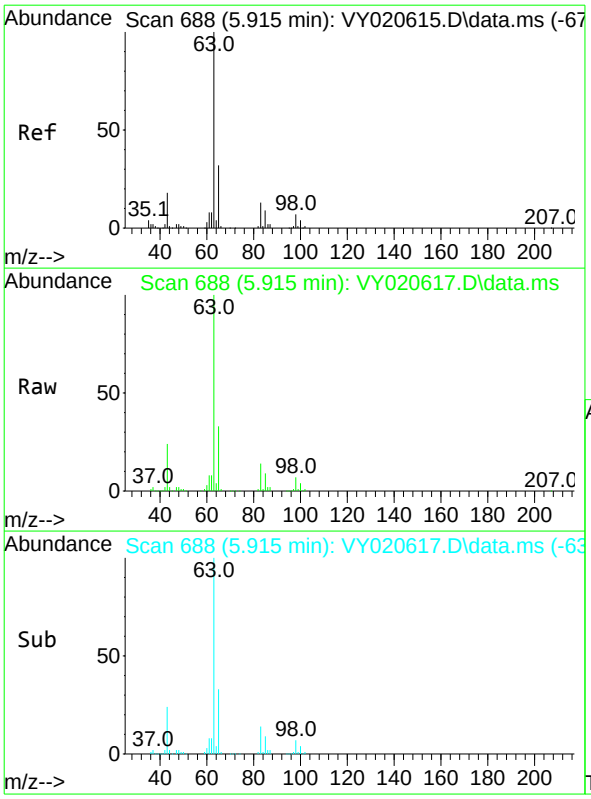


#23
Vinyl Acetate
Concen: 670.840 ug/l
RT: 5.958 min Scan# 695
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 43 Resp: 3123065

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.1	12.1

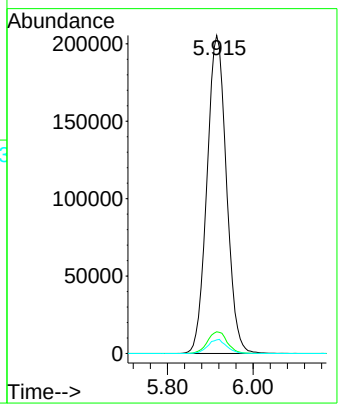




#24
1,1-Dichloroethane
Concen: 134.755 ug/l
RT: 5.915 min Scan# 68
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 63 Resp: 648906

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.1
100	4.3	2.1	6.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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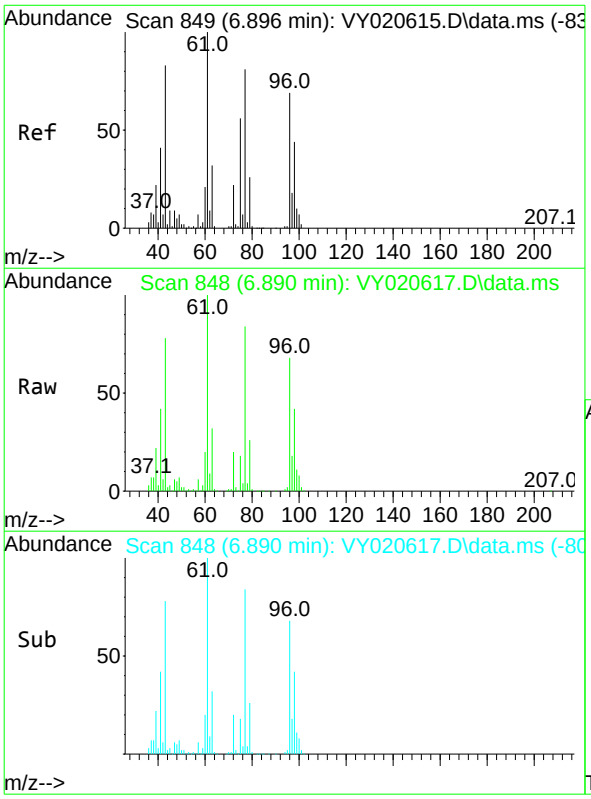
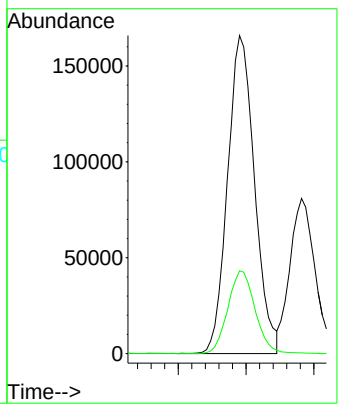
Supervised By :Semsettin Yesilyurt 12/18/2024

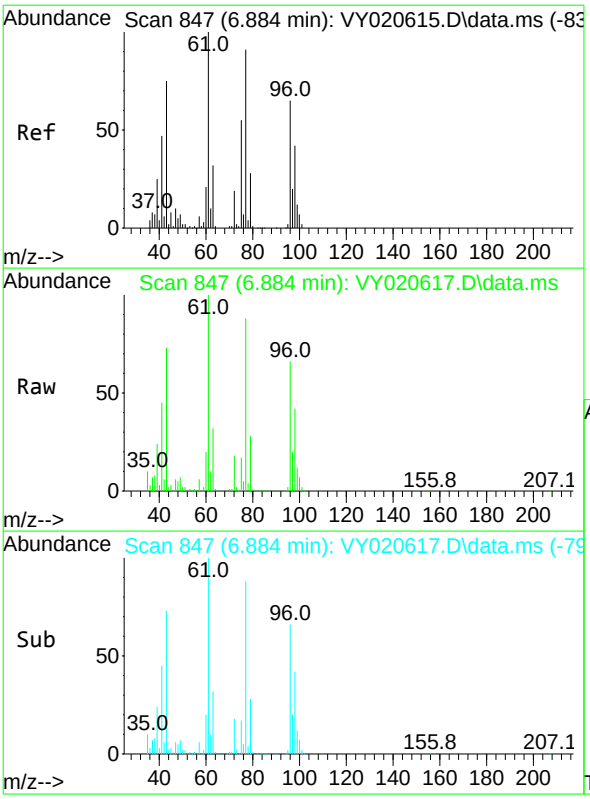


#25
2-Butanone
Concen: 611.252 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 43 Resp: 458674

Ion	Ratio	Lower	Upper
43	100		
72	26.0	20.6	31.0

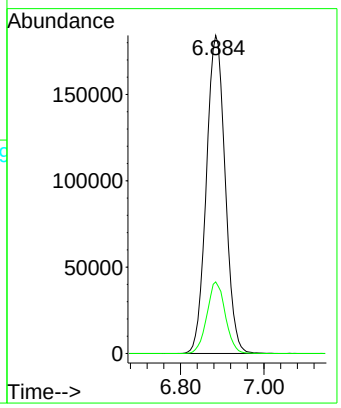




#26
2,2-Dichloropropane
Concen: 126.503 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 77 Resp: 575868

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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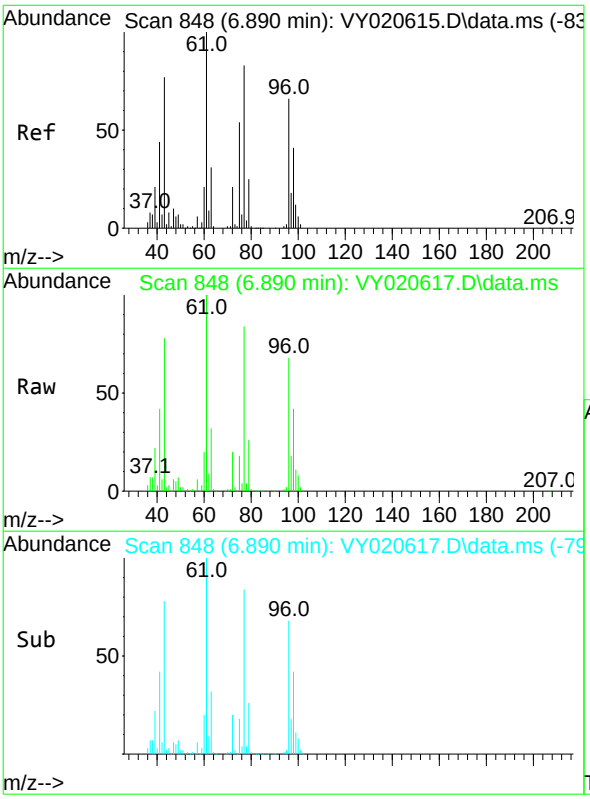
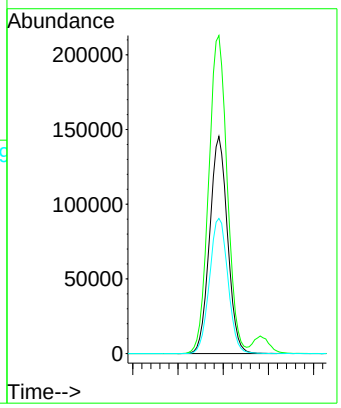
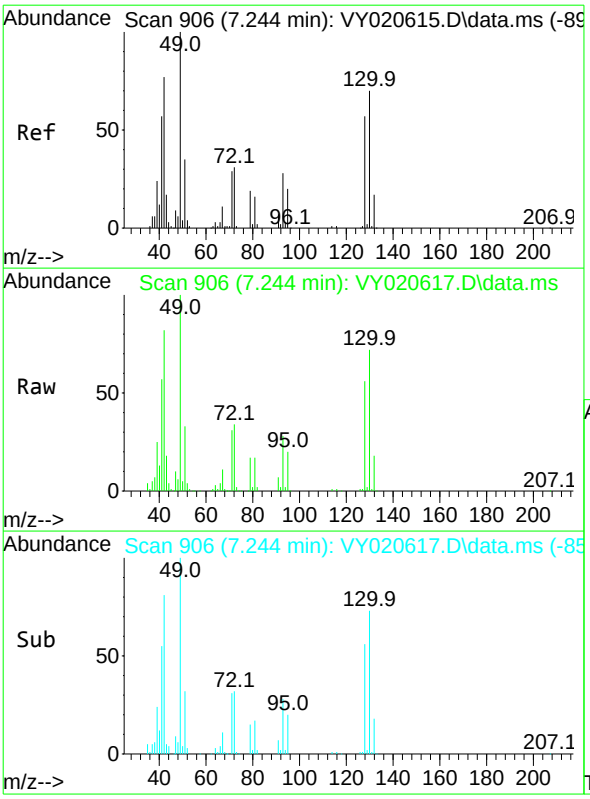


#27
cis-1,2-Dichloroethene
Concen: 134.176 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 96 Resp: 400187

Ion	Ratio	Lower	Upper
96	100		
61	151.3	0.0	306.2
98	64.3	0.0	127.2

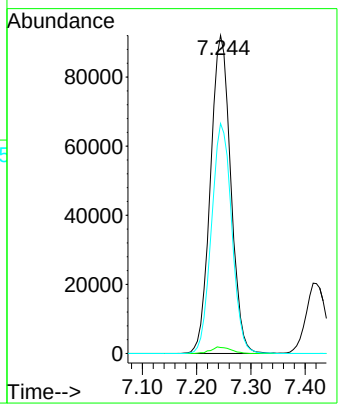




#28
Bromochloromethane
Concen: 147.100 ug/l
RT: 7.244 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 49 Resp: 238929

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	72.3	58.3	87.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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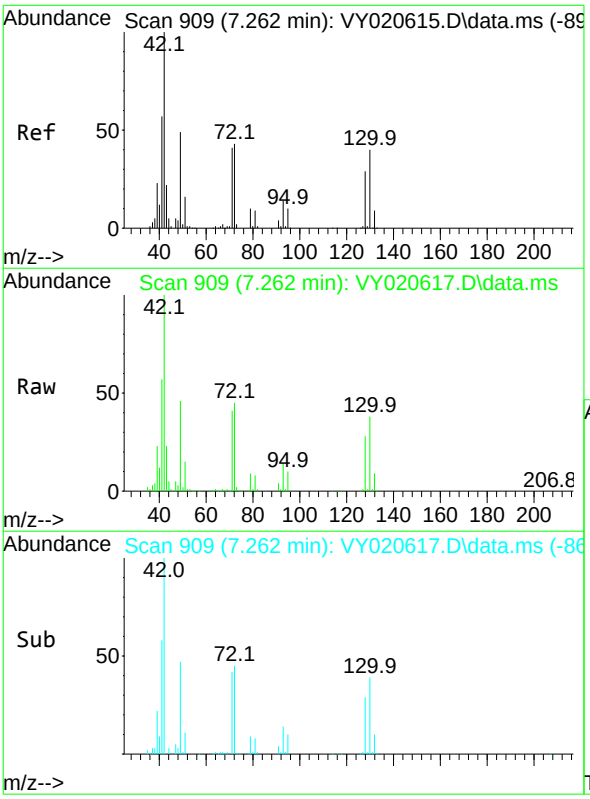
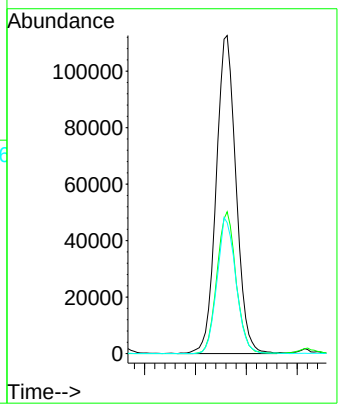
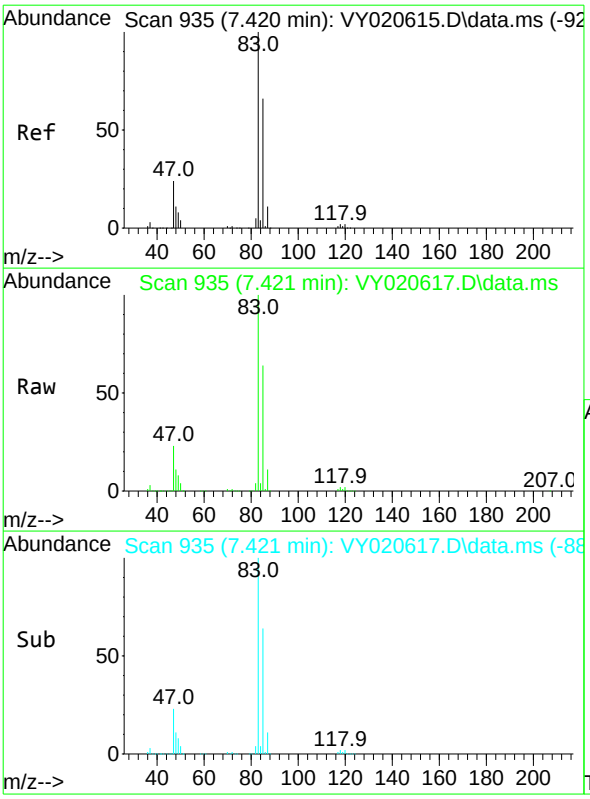


#29
Tetrahydrofuran
Concen: 644.700 ug/l
RT: 7.262 min Scan# 909
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 42 Resp: 305396

Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.0	51.0
71	40.7	31.6	47.4

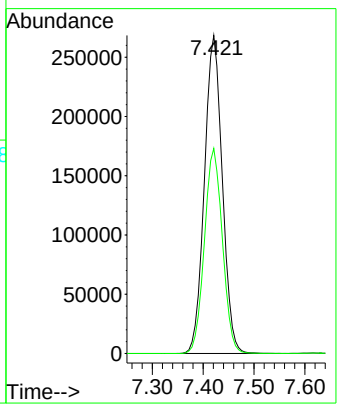




#30
Chloroform
Concen: 145.857 ug/l
RT: 7.421 min Scan# 93
Delta R.T. 0.001 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 83 Resp: 656177

Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.7	79.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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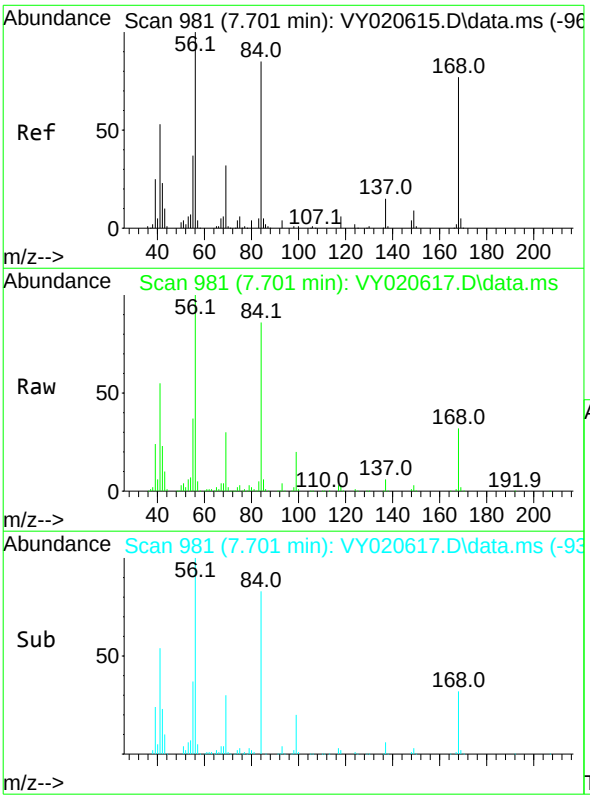
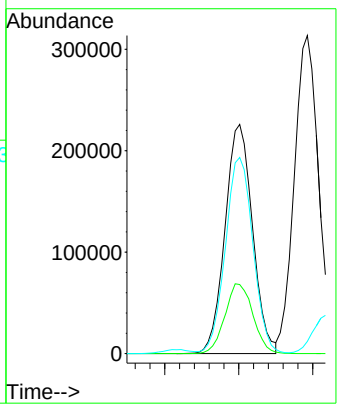
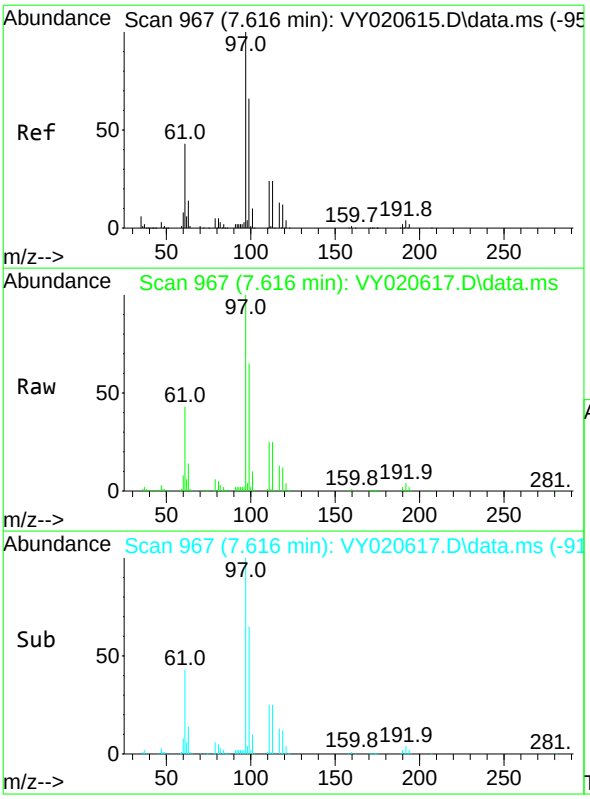


#31
Cyclohexane
Concen: 126.896 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 56 Resp: 584271

Ion	Ratio	Lower	Upper
56	100		
69	30.1	25.4	38.0
84	83.9	68.3	102.5

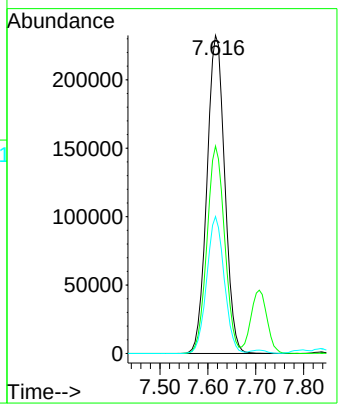




#32
1,1,1-Trichloroethane
Concen: 135.784 ug/l
RT: 7.616 min Scan# 96
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 97 Resp: 600711

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	42.4	34.7	52.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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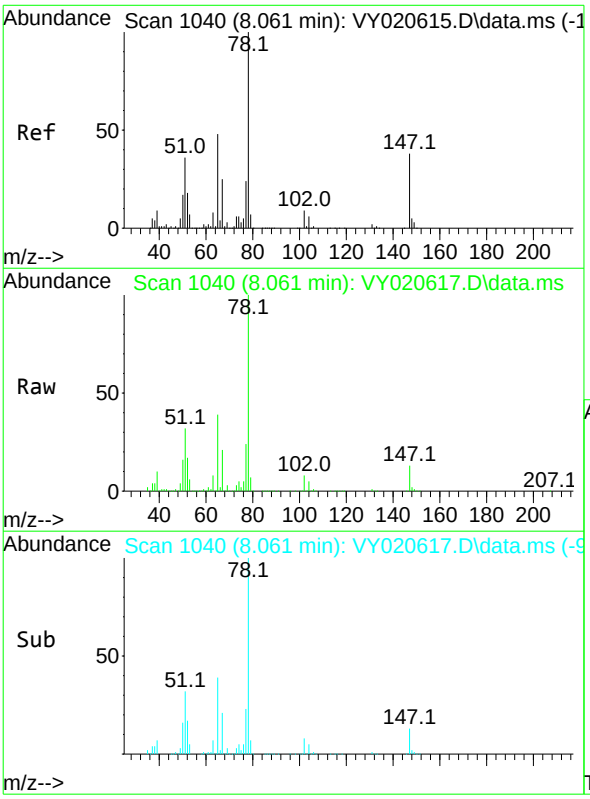
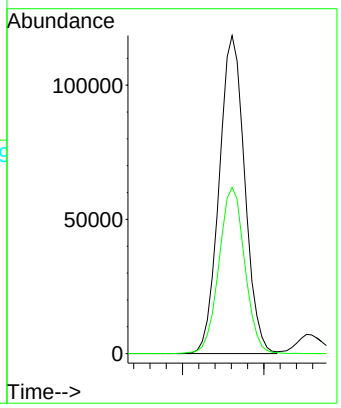
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

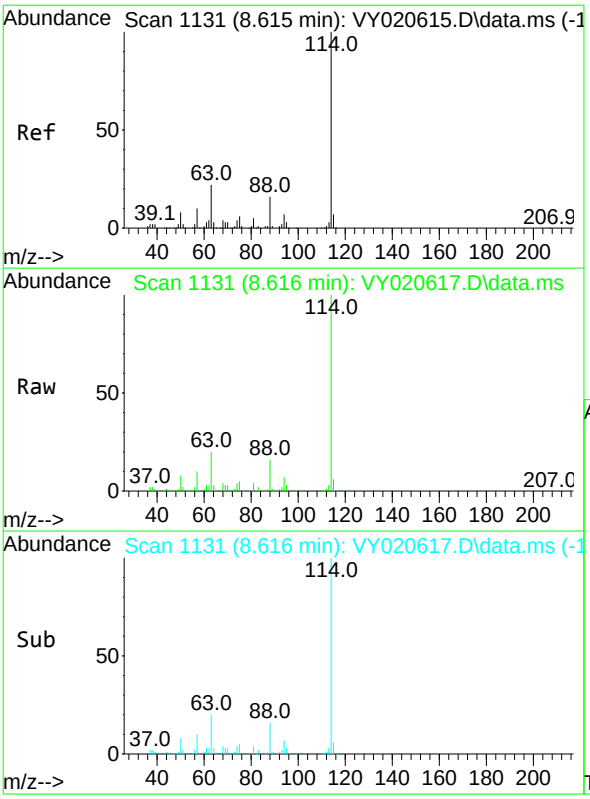


#33
1,2-Dichloroethane-d4
Concen: 128.022 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 65 Resp: 258496

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	108.0

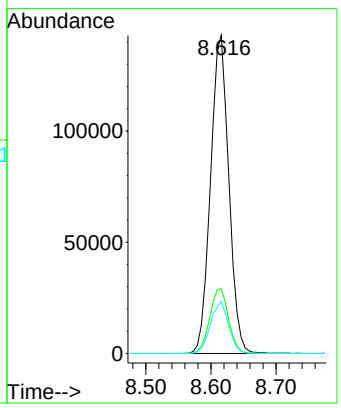




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:114 Resp: 278509

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	44.0
88	16.3	0.0	32.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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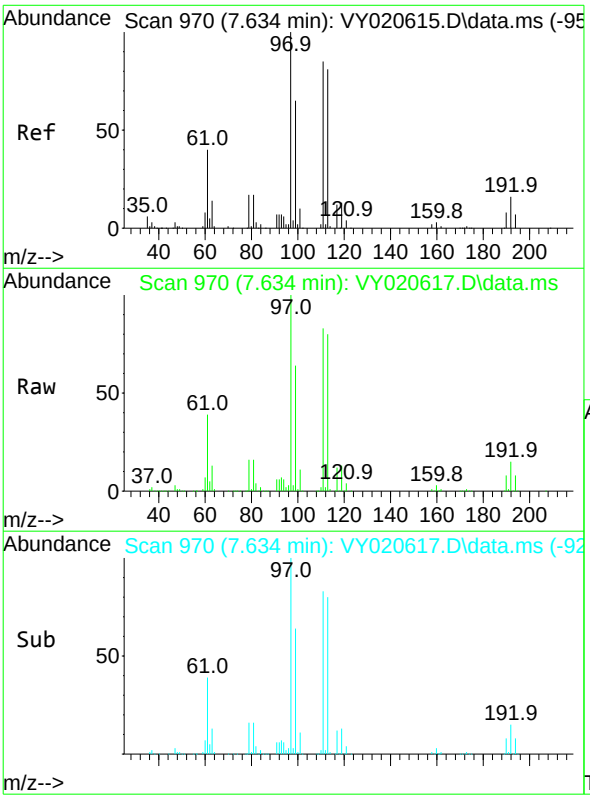
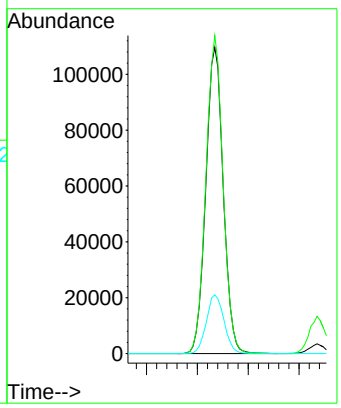
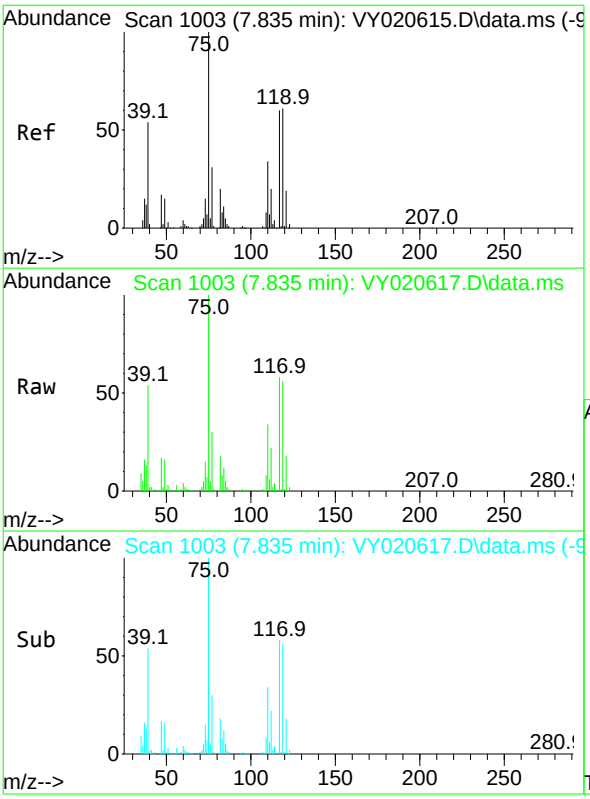


#35
Dibromofluoromethane
Concen: 133.217 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:113 Resp: 261486

Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.9	124.3
192	19.4	15.7	23.5

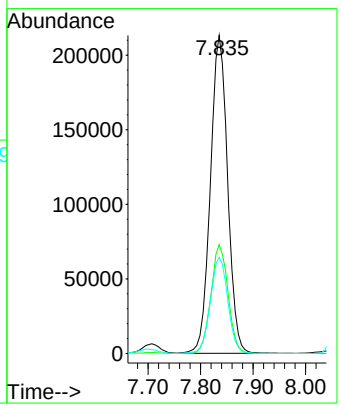




#36
1,1-Dichloropropene
Concen: 135.636 ug/l
RT: 7.835 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 75 Resp: 485468

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.8	50.4
77	30.8	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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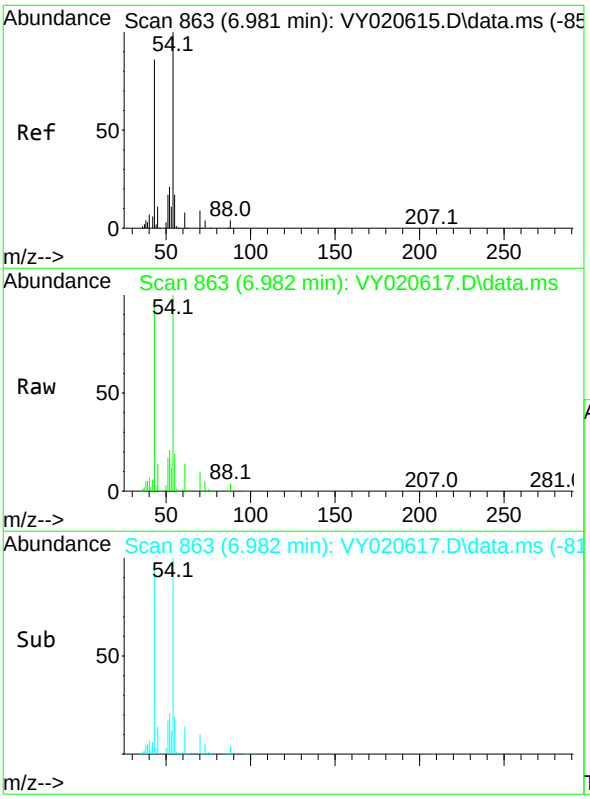
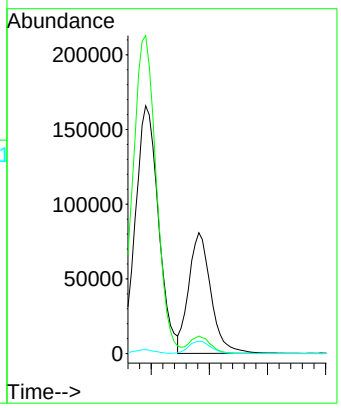
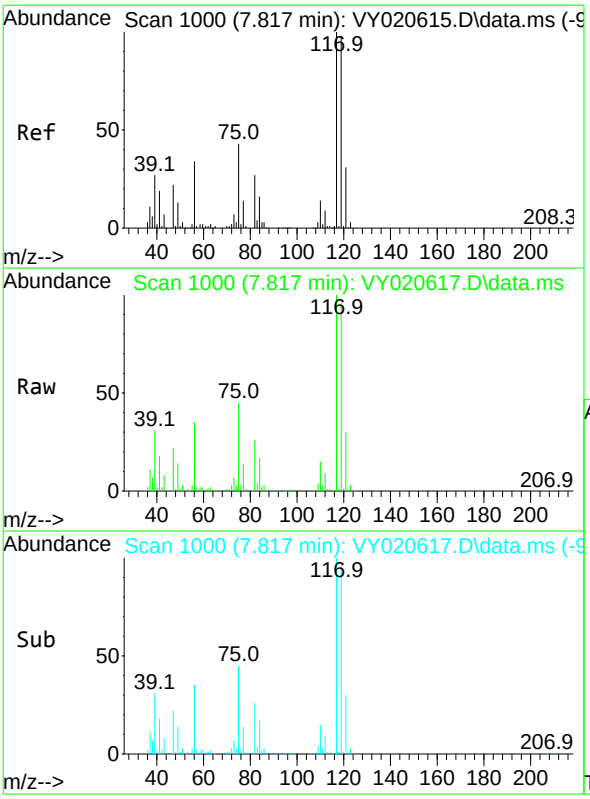


#37
Ethyl Acetate
Concen: 126.794 ug/l
RT: 6.982 min Scan# 863
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 43 Resp: 213468

Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.4
70	10.3	7.9	11.9

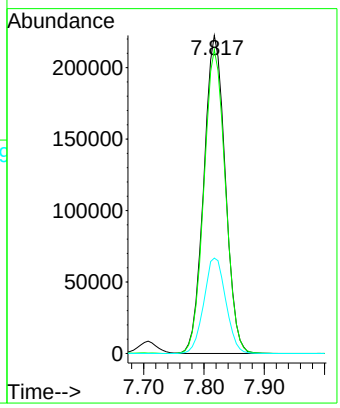




#38
Carbon Tetrachloride
Concen: 138.477 ug/l
RT: 7.817 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:117 Resp: 548361

Ion	Ratio	Lower	Upper
117	100		
119	95.5	78.3	117.5
121	30.0	25.1	37.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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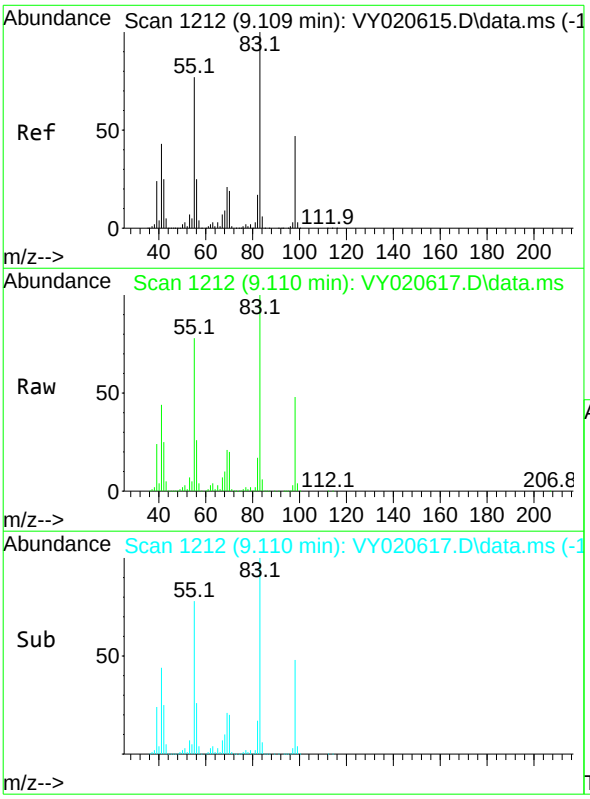
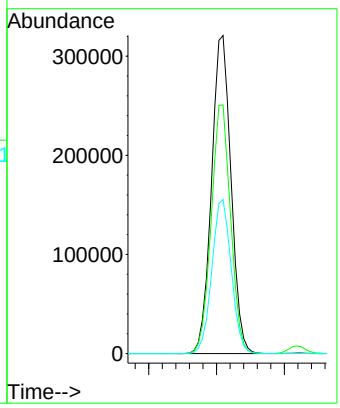
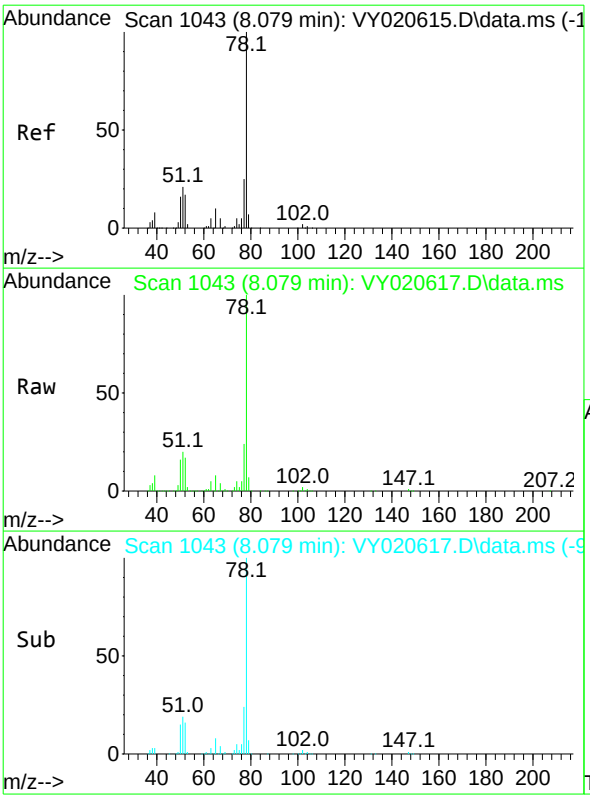


#39
Methylcyclohexane
Concen: 137.259 ug/l
RT: 9.110 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 83 Resp: 640301

Ion	Ratio	Lower	Upper
83	100		
55	78.2	61.4	92.0
98	48.5	37.3	55.9

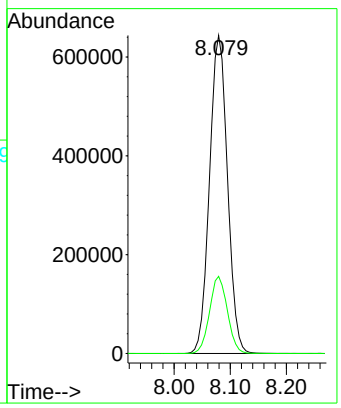




#40
Benzene
Concen: 136.402 ug/l
RT: 8.079 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 78 Resp: 1431012

Ion	Ratio	Lower	Upper
78	100		
77	24.3	20.1	30.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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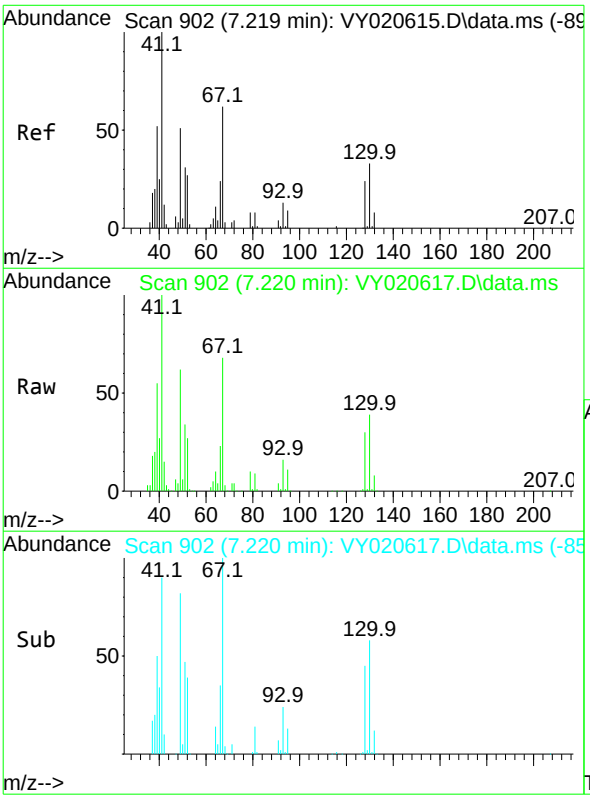
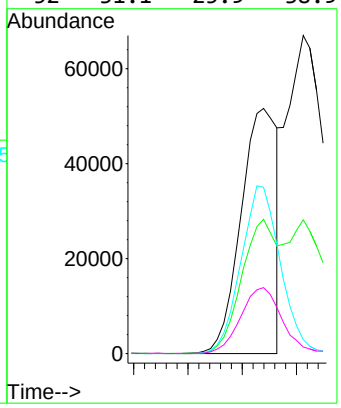
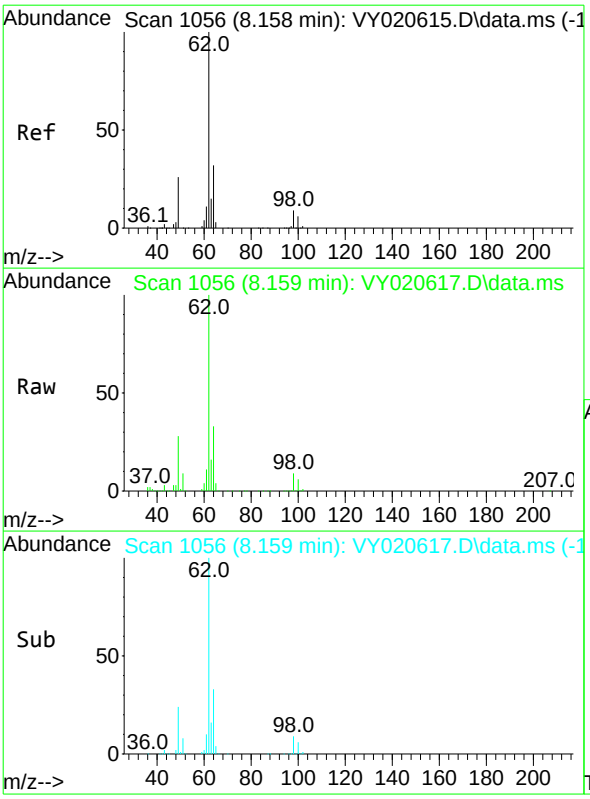


#41
Methacrylonitrile
Concen: 133.813 ug/l
RT: 7.220 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 41 Resp: 119101

Ion	Ratio	Lower	Upper
41	100		
39	59.0	53.6	80.4
67	75.3	62.0	93.0
52	31.1	25.9	38.9





#42
1,2-Dichloroethane
Concen: 135.647 ug/l
RT: 8.159 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 62 Resp: 377438

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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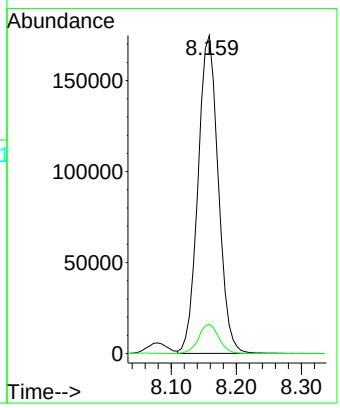
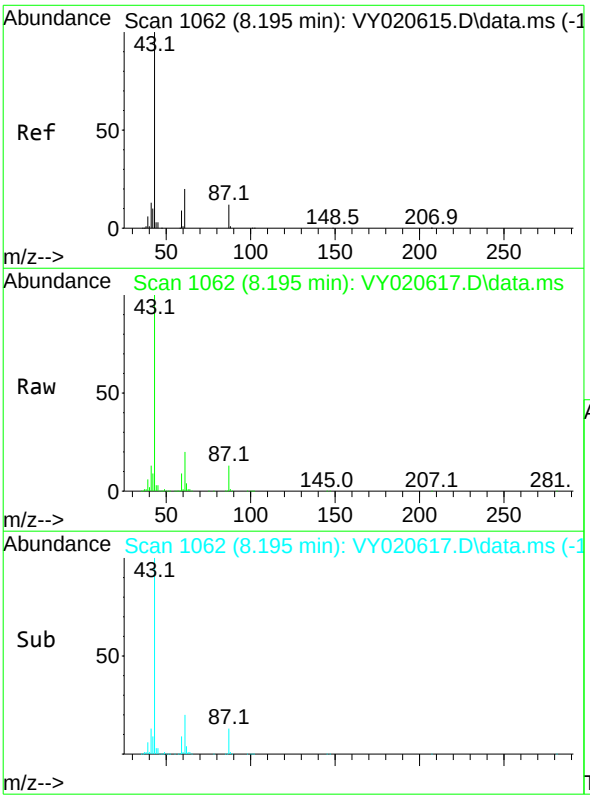
Supervised By :Semsettin Yesilyurt 12/18/2024

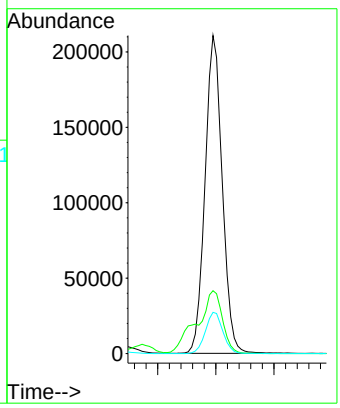


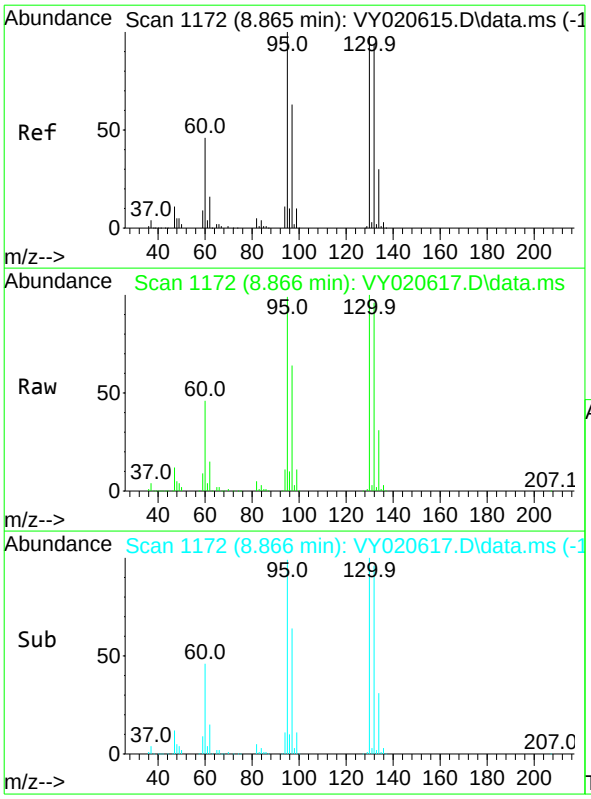


#43
Isopropyl Acetate
Concen: 135.916 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 43 Resp: 433206

Ion	Ratio	Lower	Upper
43	100		
61	29.6	23.8	35.6
87	13.2	10.2	15.4





#44
Trichloroethene
Concen: 136.648 ug/l
RT: 8.866 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:130 Resp: 352263

Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	203.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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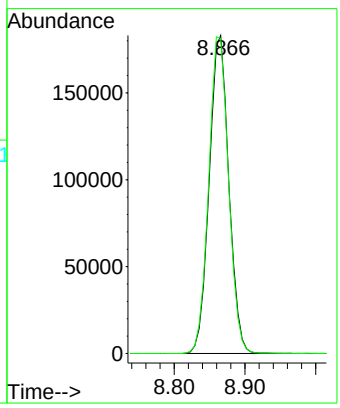
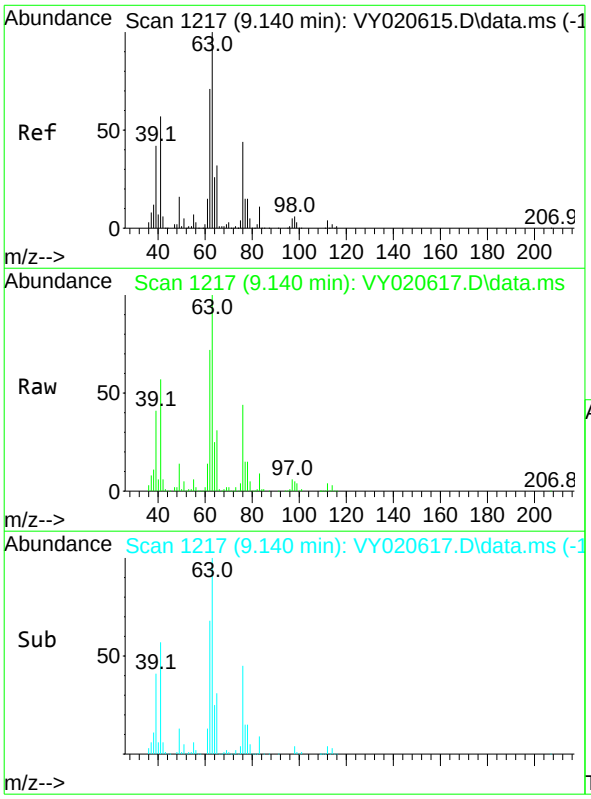
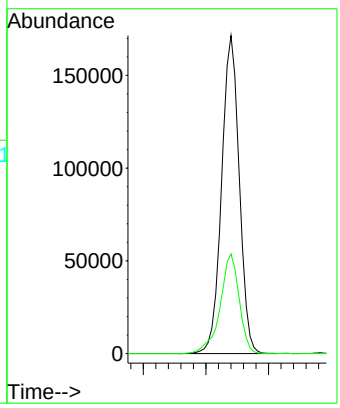


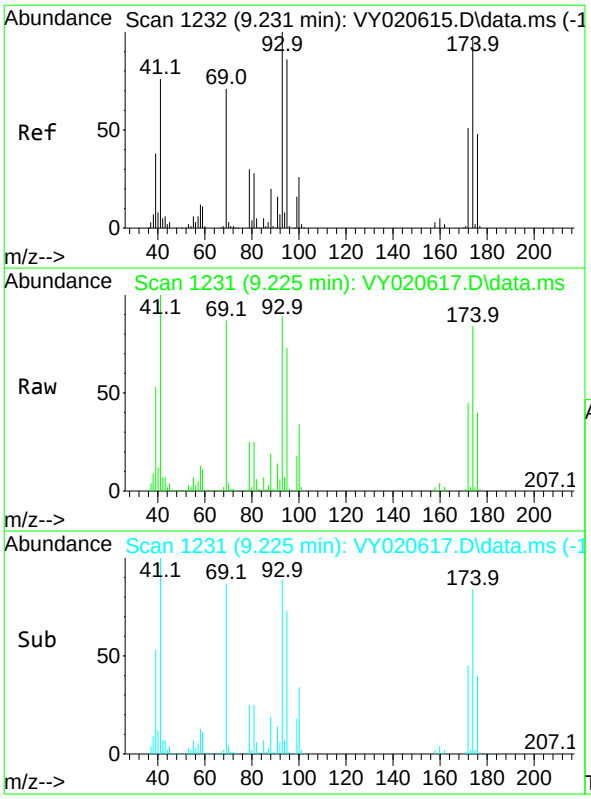


#45
1,2-Dichloropropane
Concen: 136.766 ug/l
RT: 9.140 min Scan# 1217
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 63 Resp: 335340

Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.9	38.9





#46
Dibromomethane
Concen: 134.905 ug/l
RT: 9.225 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 93 Resp: 174812

Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.7	100.1
174	98.5	77.8	116.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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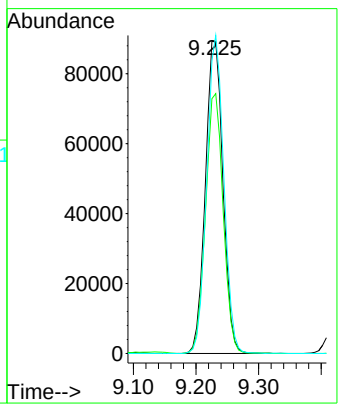
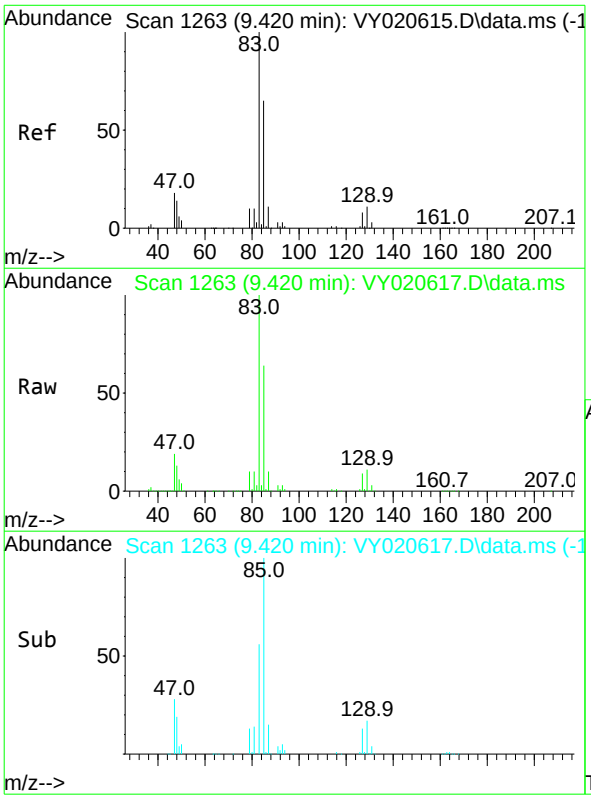
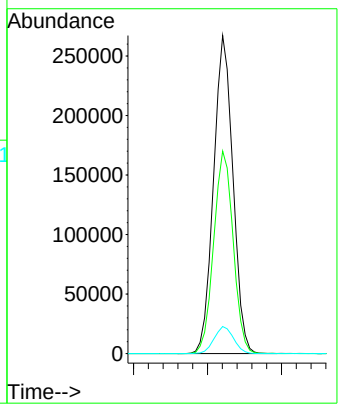


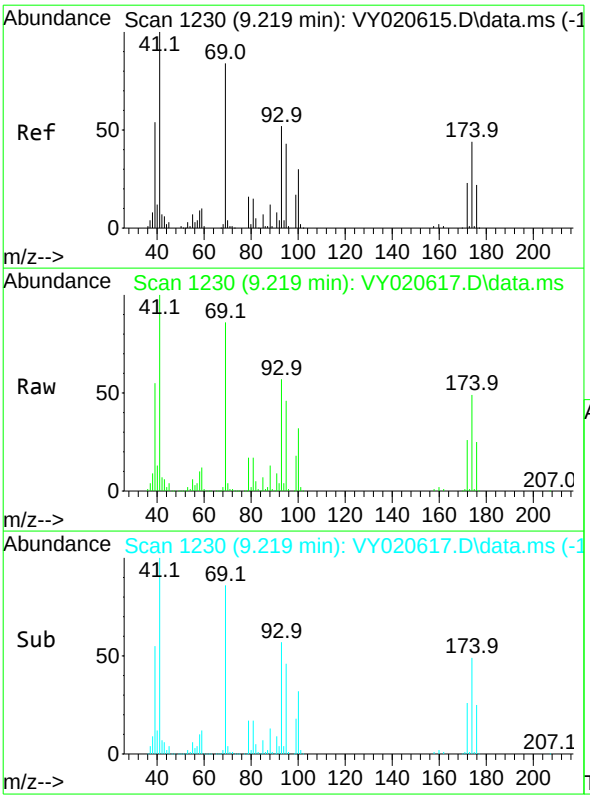


#47
Bromodichloromethane
Concen: 138.787 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 83 Resp: 485795

Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.1	78.1
127	8.5	6.7	10.1





#48
Methyl methacrylate
Concen: 138.957 ug/l
RT: 9.219 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 41 Resp: 210550

Ion	Ratio	Lower	Upper
41	100		
69	85.2	67.2	100.8
39	52.7	42.2	63.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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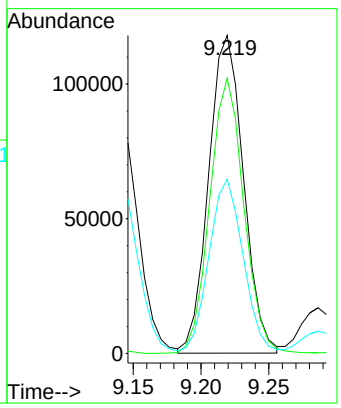
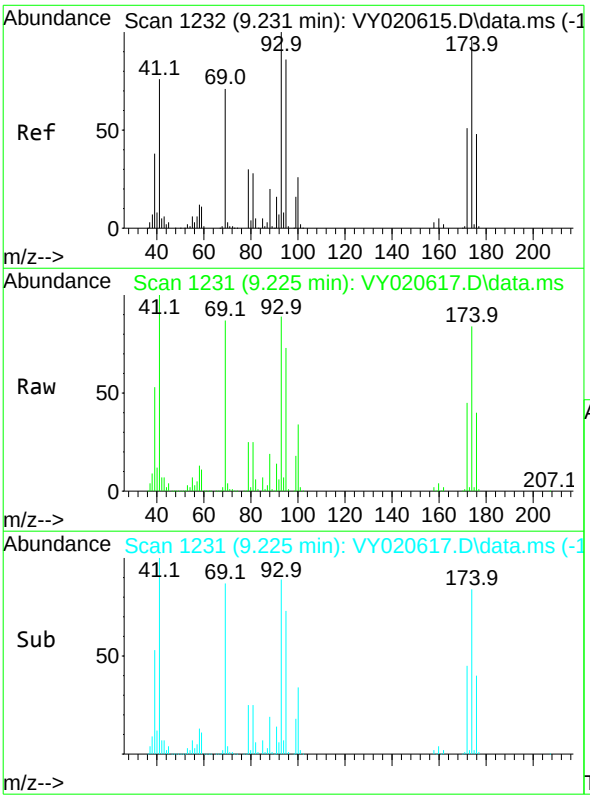
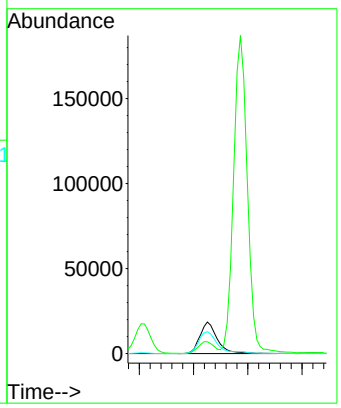


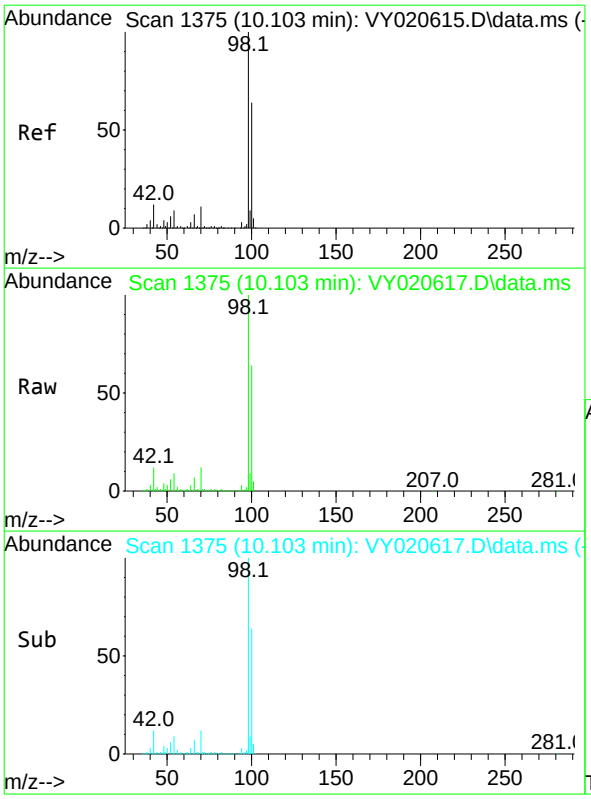


#49
1,4-Dioxane
Concen: 2773.834 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 88 Resp: 41221

Ion	Ratio	Lower	Upper
88	100		
43	35.1	27.6	41.4
58	77.1	61.7	92.5

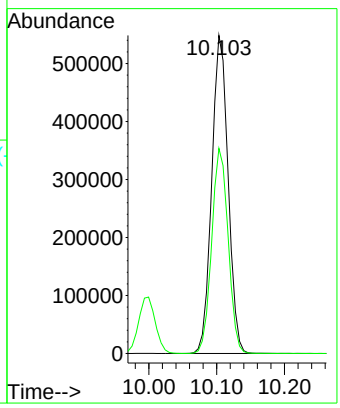




#50
Toluene-d8
Concen: 133.785 ug/l
RT: 10.103 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 98 Resp: 919148

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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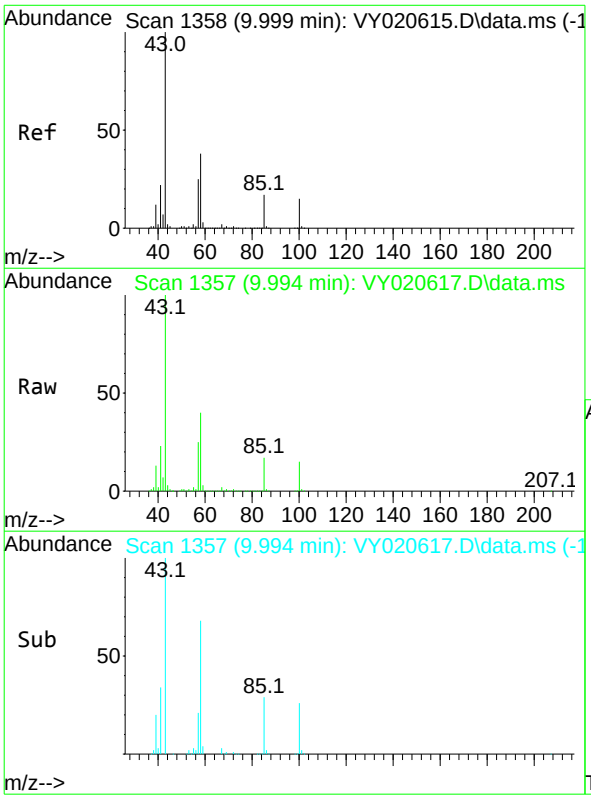
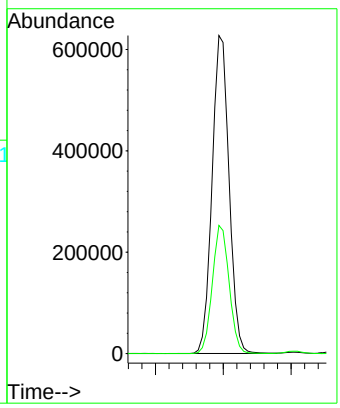
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

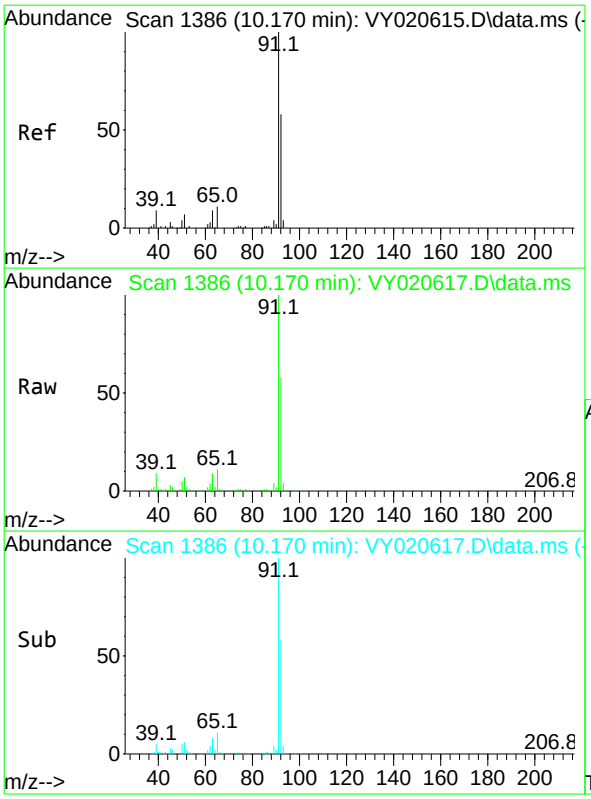


#51
4-Methyl-2-Pentanone
Concen: 649.161 ug/l
RT: 9.994 min Scan# 1357
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 43 Resp: 1092140

Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.4	47.2

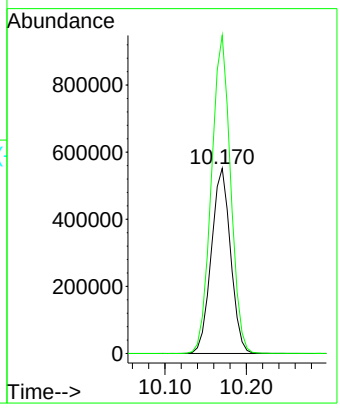




#52
Toluene
Concen: 138.659 ug/l
RT: 10.170 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 92 Resp: 904033

Ion	Ratio	Lower	Upper
92	100		
91	171.6	137.4	206.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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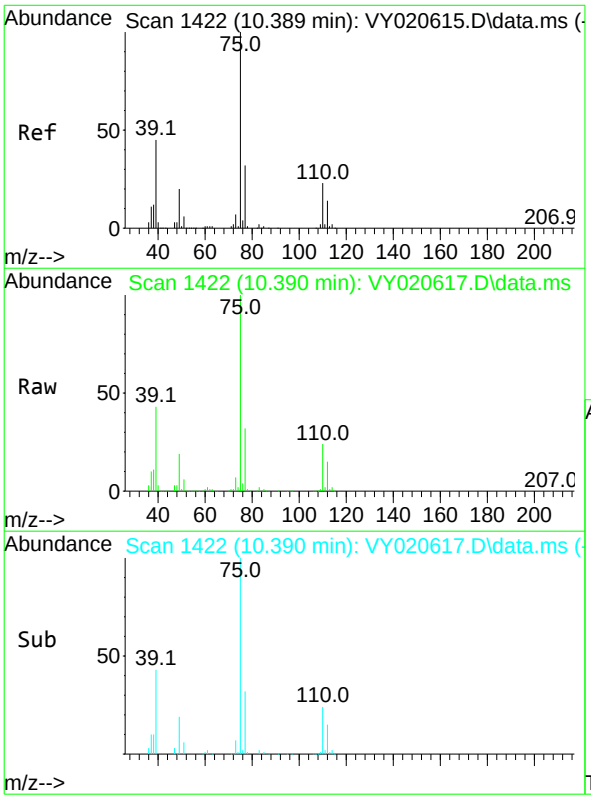
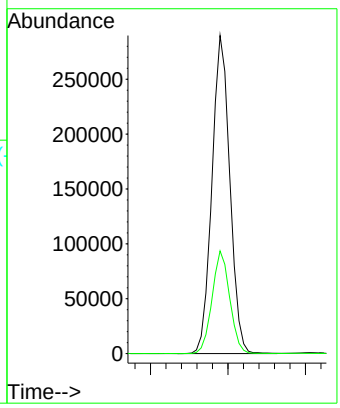
Supervised By :Semsettin Yesilyurt 12/18/2024

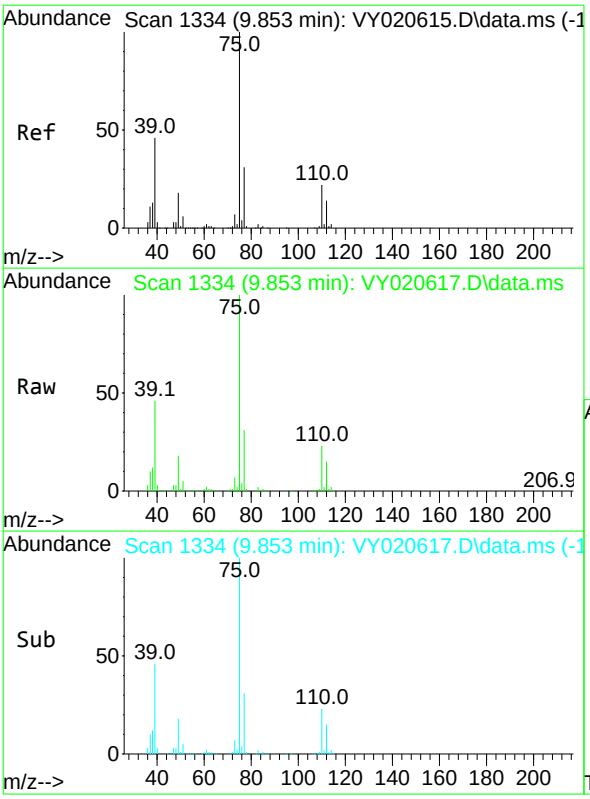


#53
t-1,3-Dichloropropene
Concen: 142.541 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 75 Resp: 464905

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.2





#54
cis-1,3-Dichloropropene
Concen: 139.760 ug/l
RT: 9.853 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 540157

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.6	36.8
39	46.0	36.4	54.6

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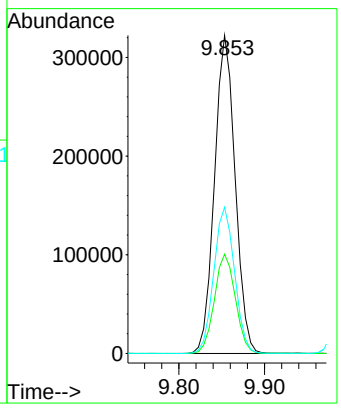
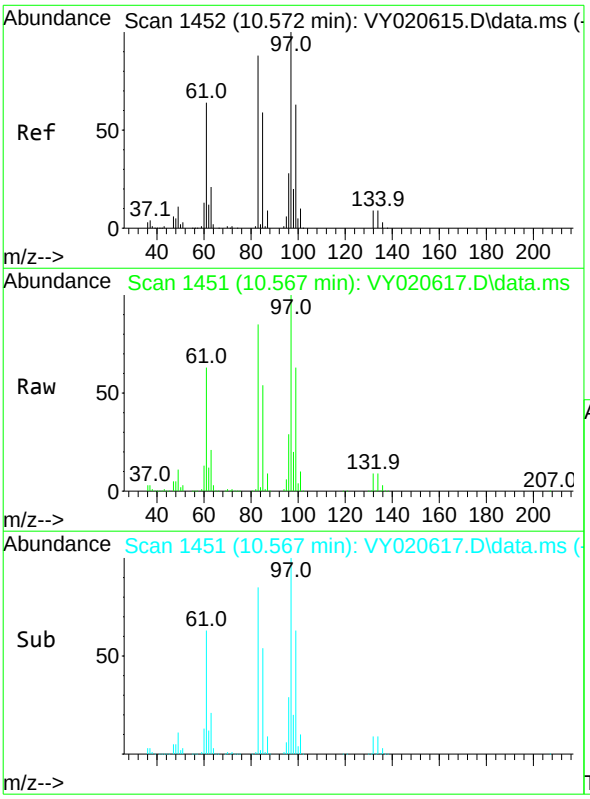
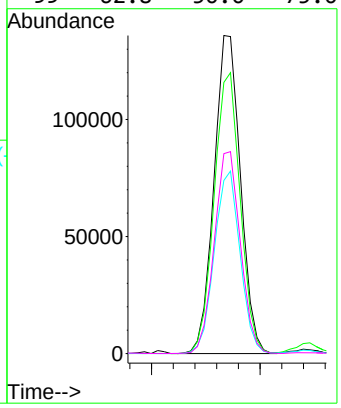


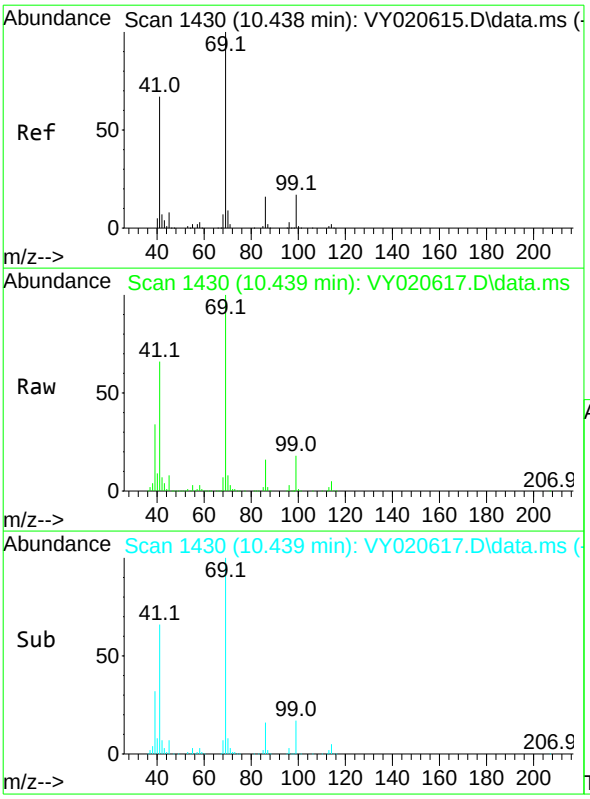


#55
1,1,2-Trichloroethane
Concen: 134.466 ug/l
RT: 10.567 min Scan# 1451
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 97 Resp: 230372

Ion	Ratio	Lower	Upper
97	100		
83	85.3	70.4	105.6
85	54.4	47.2	70.8
99	62.8	50.0	75.0

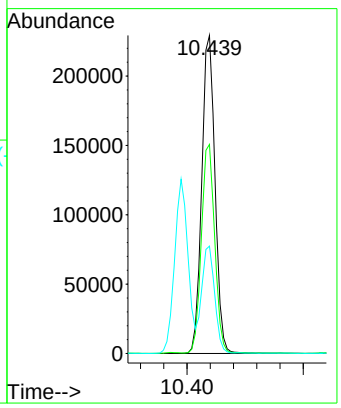




#56
Ethyl methacrylate
Concen: 146.095 ug/l
RT: 10.439 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 69 Resp: 363115

Ion	Ratio	Lower	Upper
69	100		
41	65.9	54.0	81.0
39	33.3	27.9	41.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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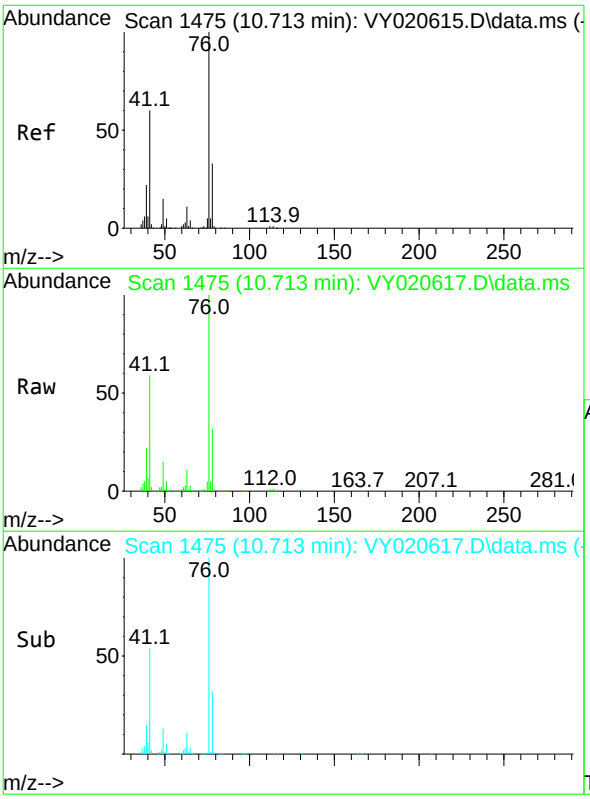
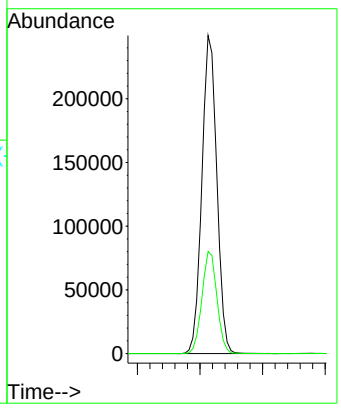
Supervised By :Semsettin Yesilyurt 12/18/2024

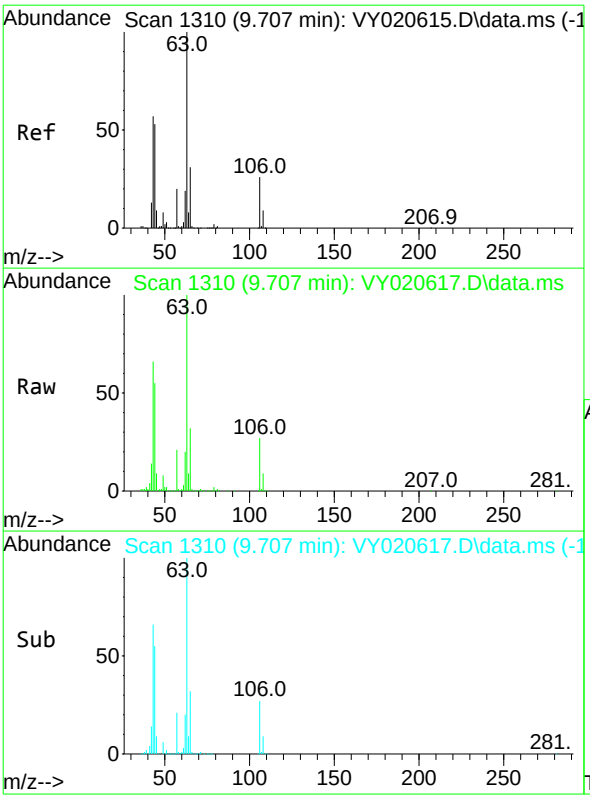


#57
1,3-Dichloropropane
Concen: 135.406 ug/l
RT: 10.713 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 76 Resp: 413542

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.8





#58
2-Chloroethyl Vinyl ether
Concen: 790.569 ug/l
RT: 9.707 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 63 Resp: 826777

Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.5	32.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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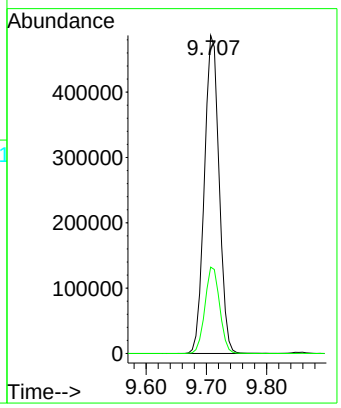
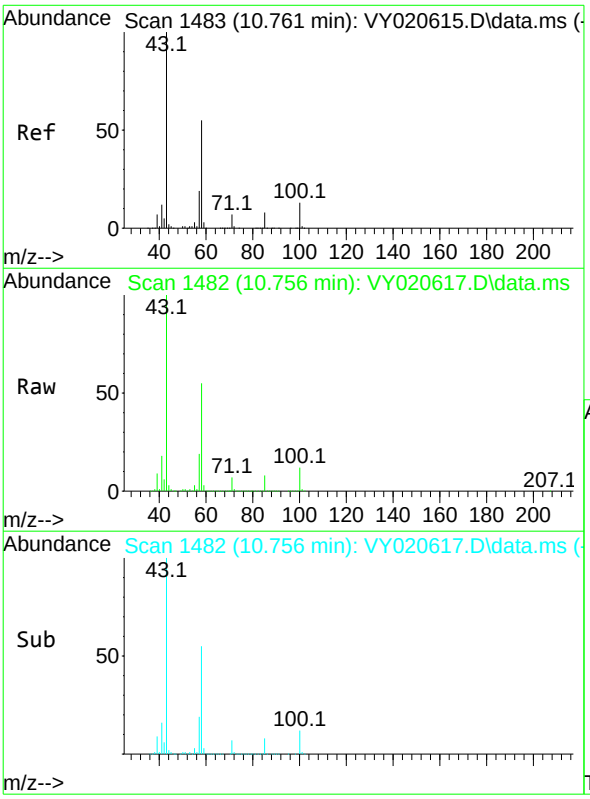
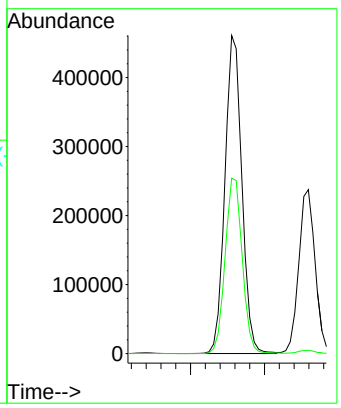


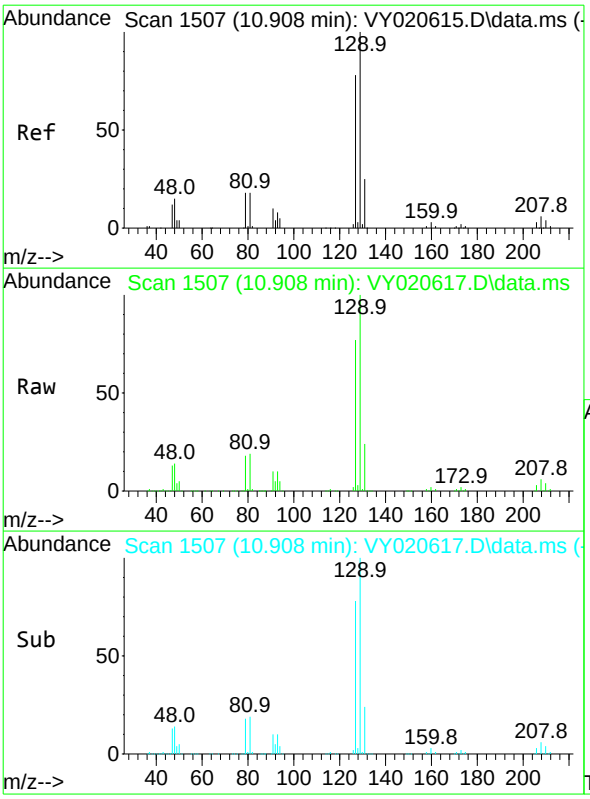


#59
2-Hexanone
Concen: 677.527 ug/l
RT: 10.756 min Scan# 1482
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 43 Resp: 731842

Ion	Ratio	Lower	Upper
43	100		
58	55.9	27.2	81.6

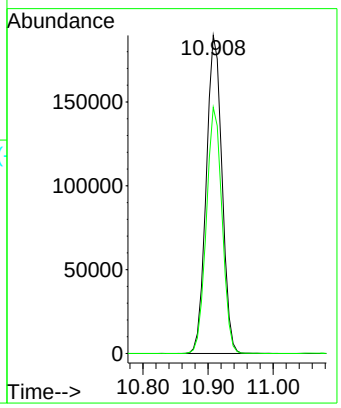




#60
Dibromochloromethane
Concen: 138.906 ug/l
RT: 10.908 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:129 Resp: 318266

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.1	114.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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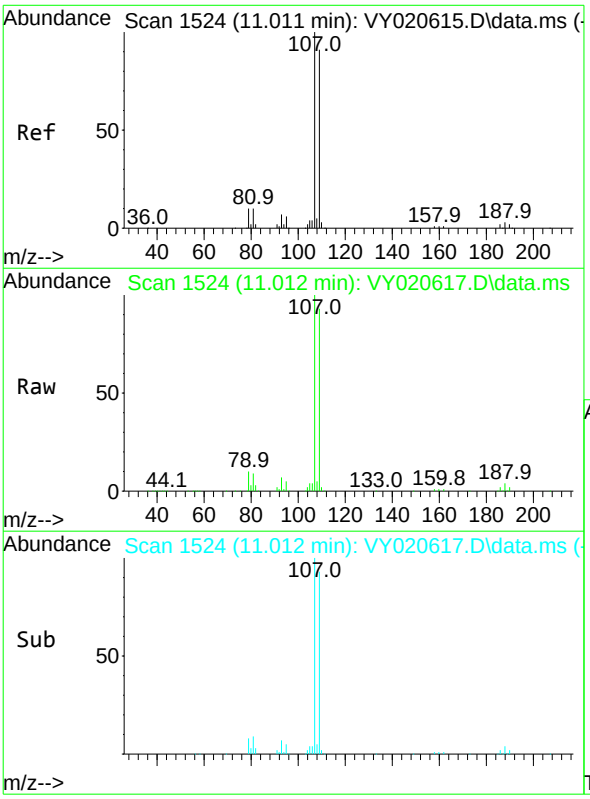
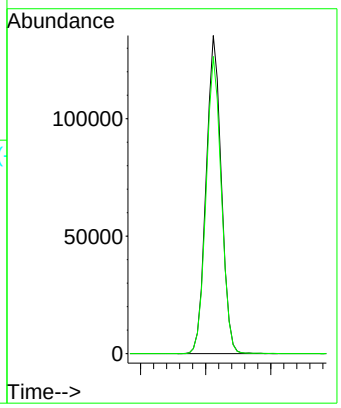
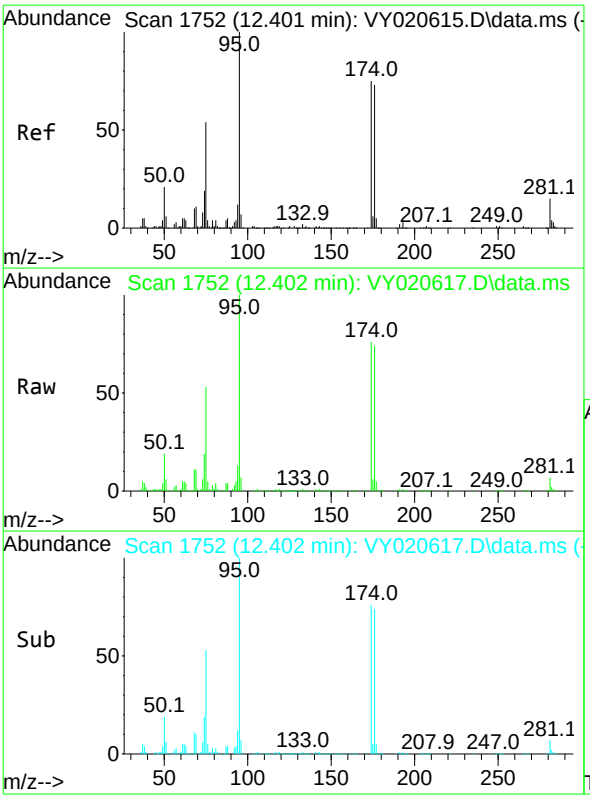


#61
1,2-Dibromoethane
Concen: 137.043 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:107 Resp: 218394

Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.2

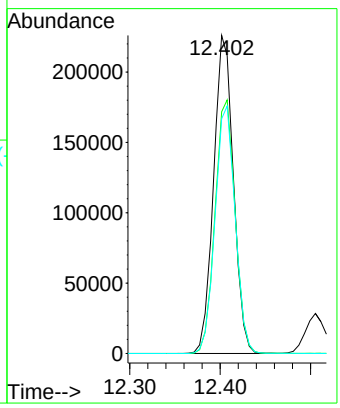




#62
4-Bromofluorobenzene
Concen: 127.965 ug/l
RT: 12.402 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 95 Resp: 343903

Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	161.8
176	78.9	0.0	156.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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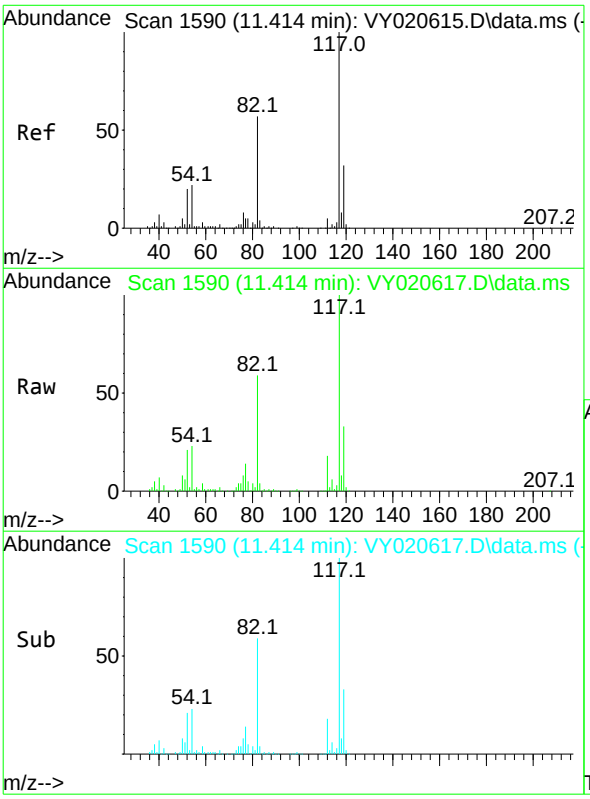
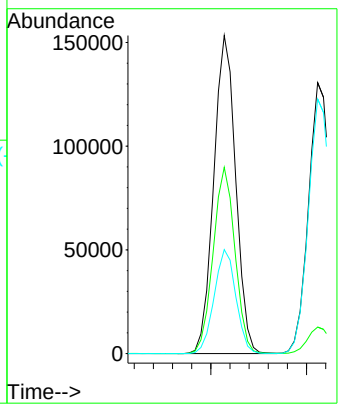
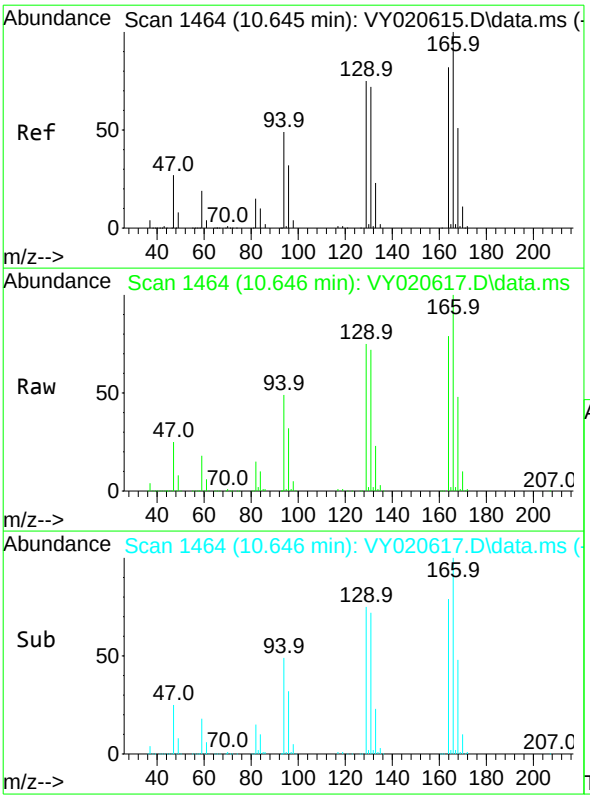


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:117 Resp: 244385

Ion	Ratio	Lower	Upper
117	100		
82	58.6	45.8	68.6
119	32.7	25.3	37.9

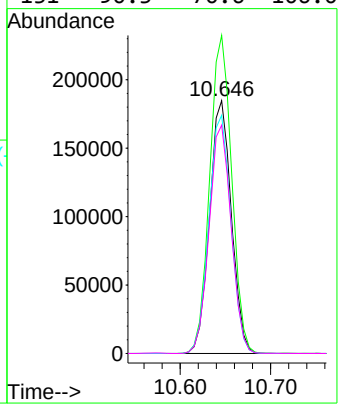




#64
Tetrachloroethene
Concen: 134.678 ug/l
RT: 10.646 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:164 Resp: 309587

Ion	Ratio	Lower	Upper
164	100		
166	125.8	97.9	146.9
129	94.2	73.4	110.0
131	90.3	70.6	106.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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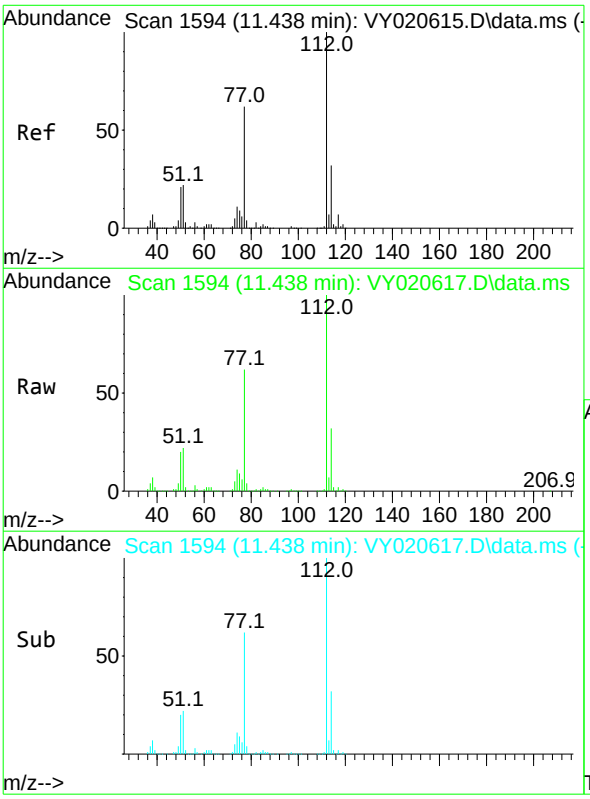
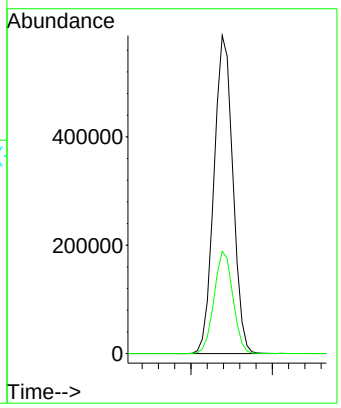
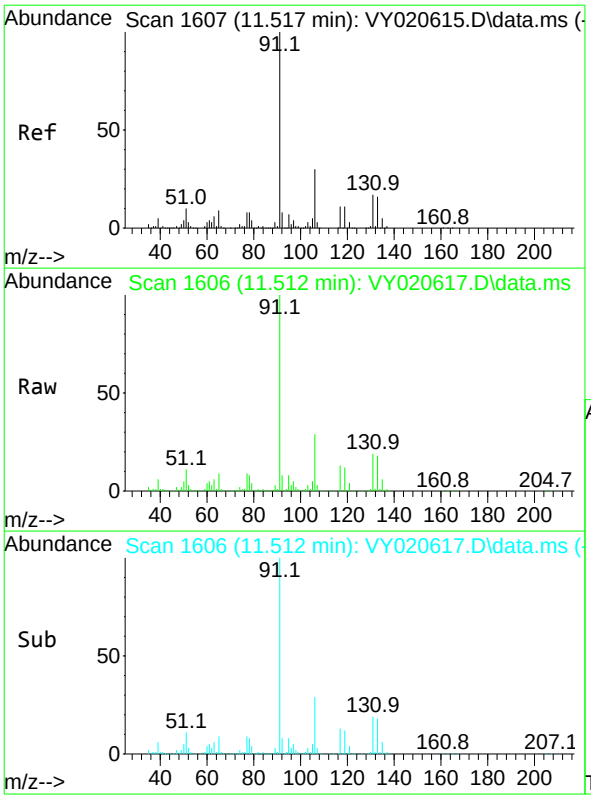


#65
Chlorobenzene
Concen: 138.742 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:112 Resp: 948051

Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.0	39.0





#66
1,1,1,2-Tetrachloroethane
Concen: 138.995 ug/l
RT: 11.512 min Scan# 16
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:131 Resp: 324778

Ion	Ratio	Lower	Upper
131	100		
133	95.6	46.8	140.3
119	62.8	31.8	95.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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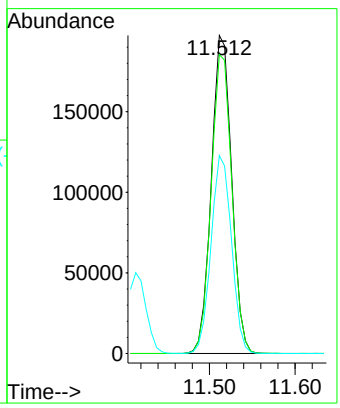
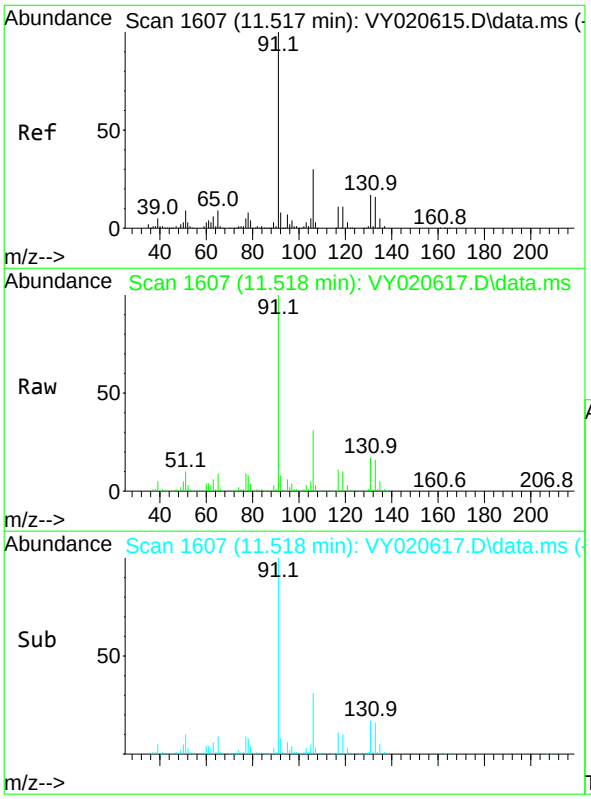
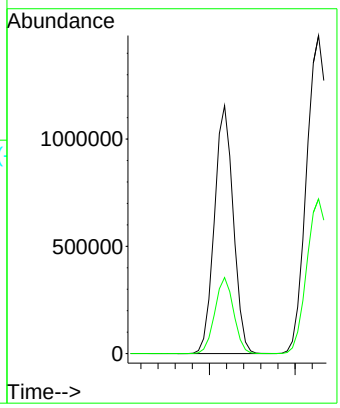


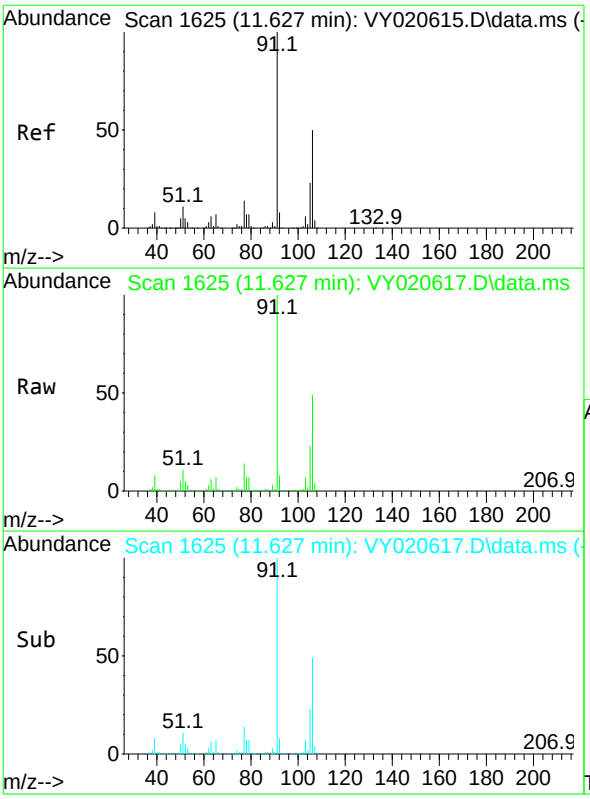


#67
Ethyl Benzene
Concen: 140.410 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 91 Resp: 1770086

Ion	Ratio	Lower	Upper
91	100		
106	30.7	23.9	35.9

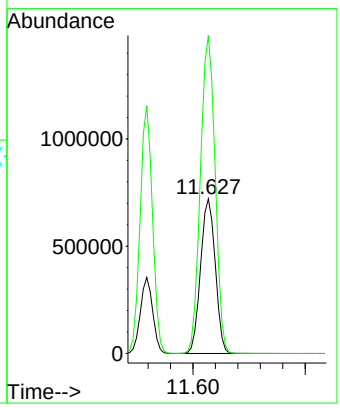




#68
m/p-Xylenes
Concen: 279.114 ug/l
RT: 11.627 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:106 Resp: 1308282

Ion	Ratio	Lower	Upper
106	100		
91	206.1	165.0	247.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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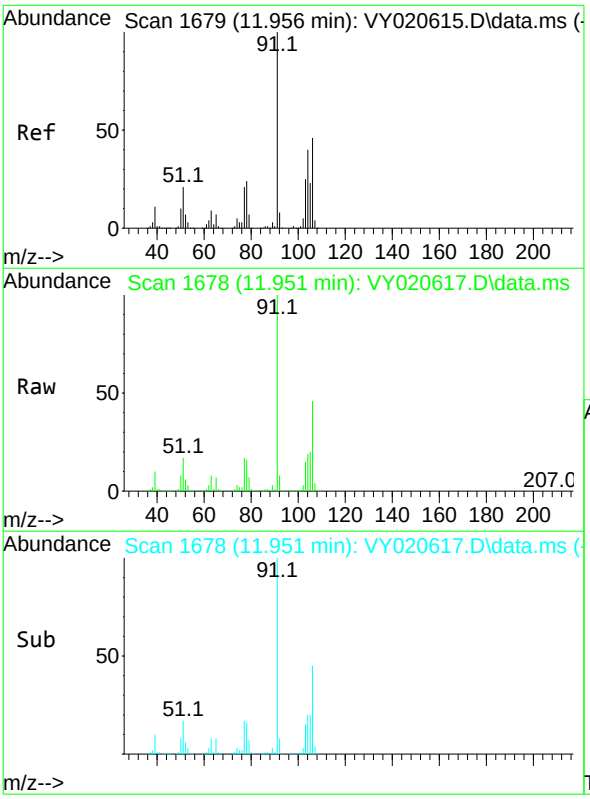
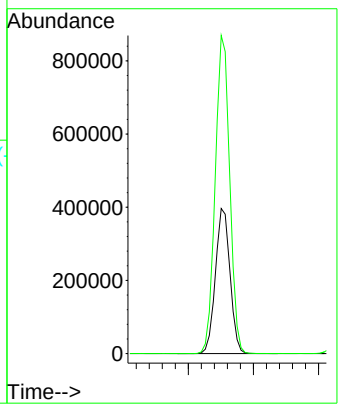
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

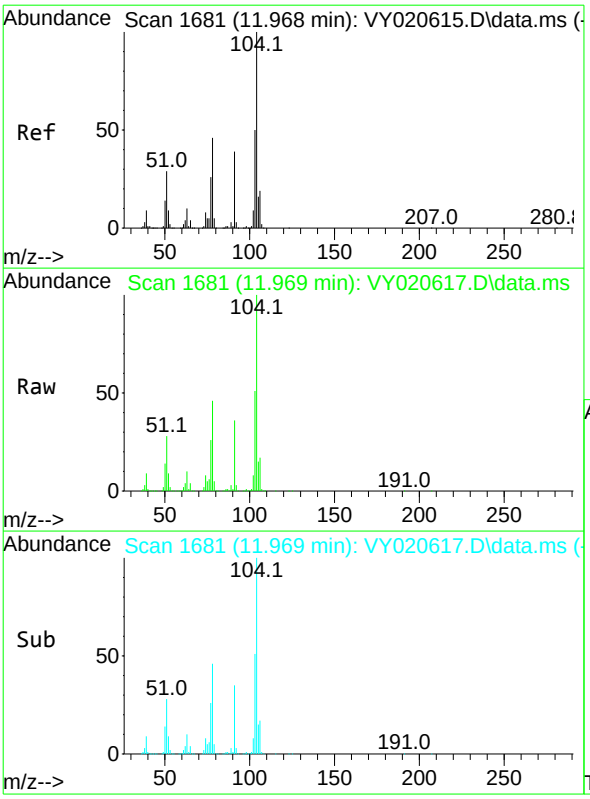


#69
o-Xylene
Concen: 141.099 ug/l
RT: 11.951 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:106 Resp: 617079

Ion	Ratio	Lower	Upper
106	100		
91	217.7	108.4	325.2

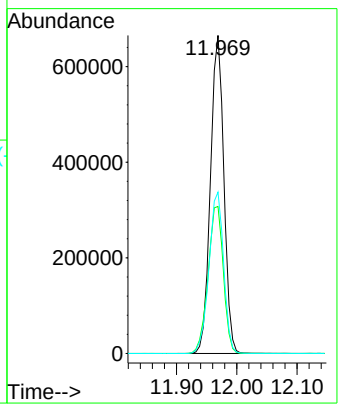




#70
Styrene
Concen: 141.122 ug/l
RT: 11.969 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:104 Resp: 1031166

Ion	Ratio	Lower	Upper
104	100		
78	52.6	41.6	62.4
103	55.3	43.7	65.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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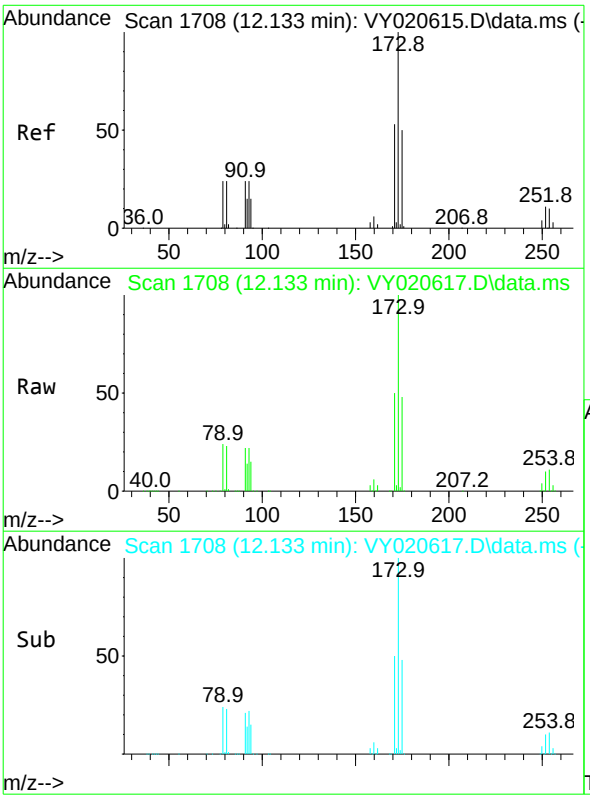
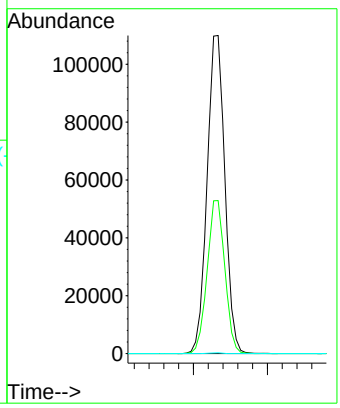
Supervised By :Semsettin Yesilyurt 12/18/2024

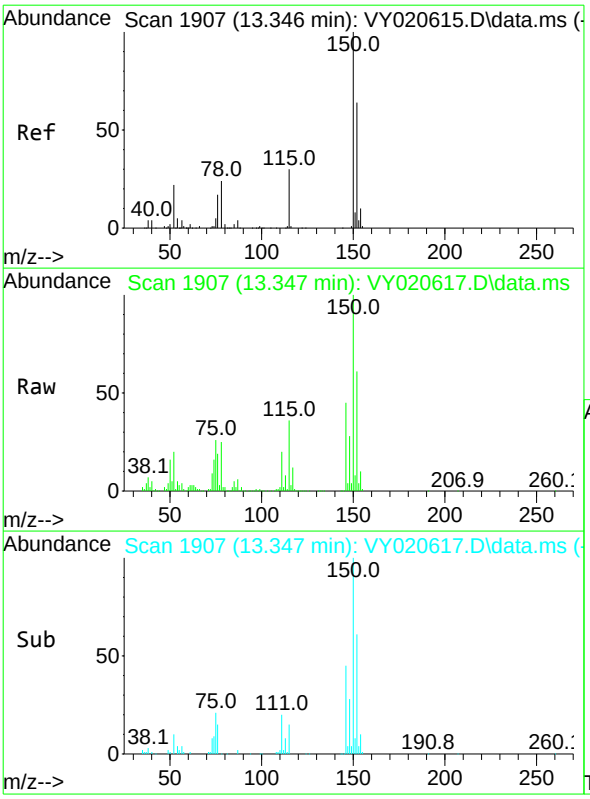


#71
Bromoform
Concen: 139.463 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:173 Resp: 183216

Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.6	74.0
254	0.2	0.0	0.0#

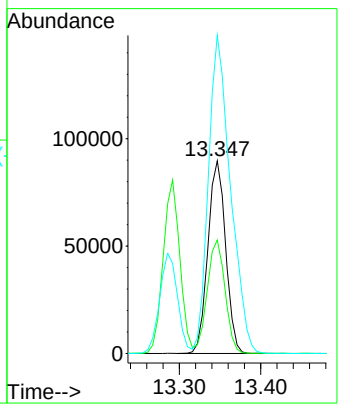




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:152 Resp: 135852

Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.2	90.6
150	205.6	0.0	355.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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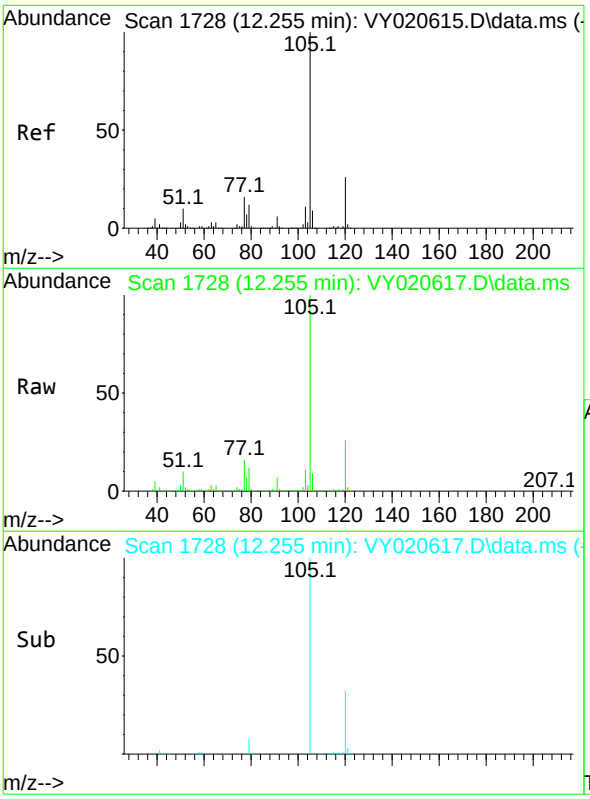
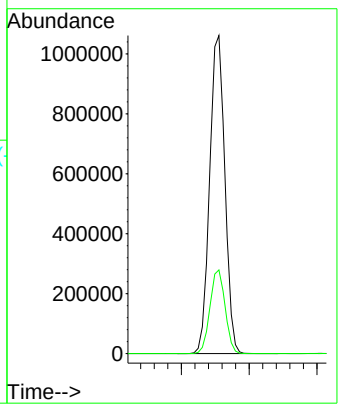
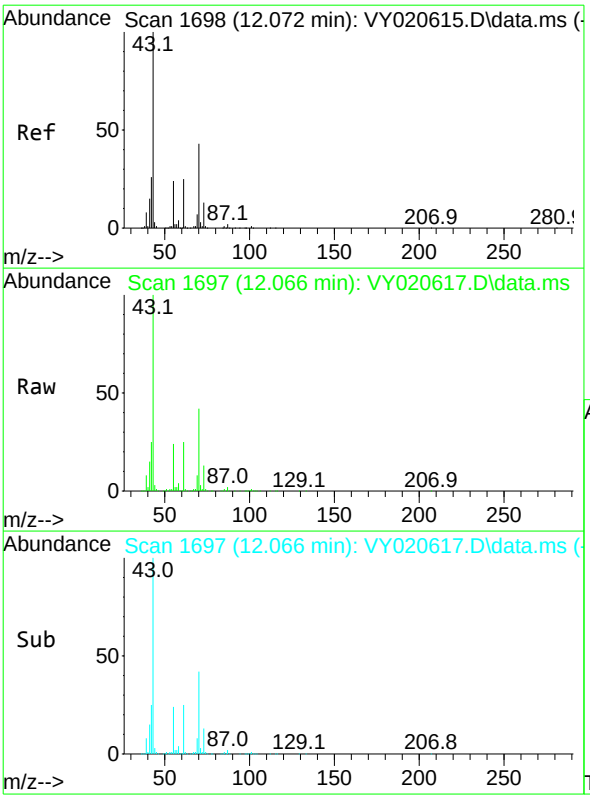


#73
Isopropylbenzene
Concen: 139.276 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:105 Resp: 1651138

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.1	39.1

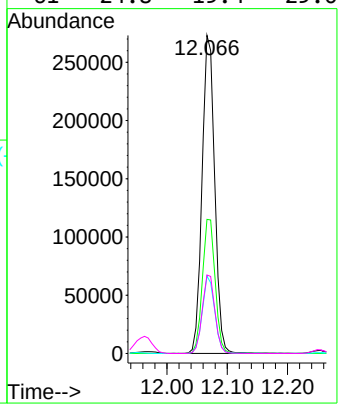




#74
N-amyl acetate
Concen: 142.807 ug/l
RT: 12.066 min Scan# 16
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 43 Resp: 396216

Ion	Ratio	Lower	Upper
43	100		
70	42.7	34.2	51.2
55	24.0	19.6	29.4
61	24.8	19.4	29.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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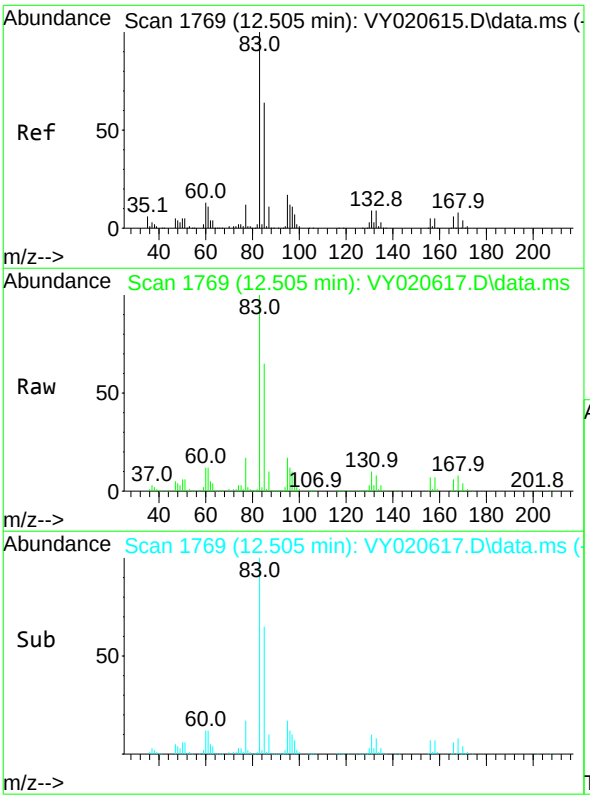
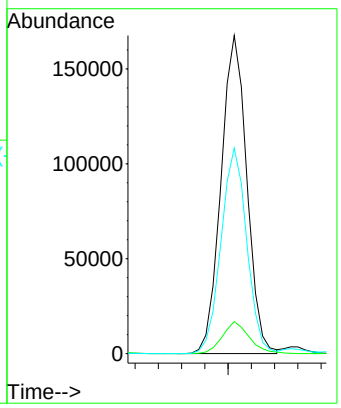
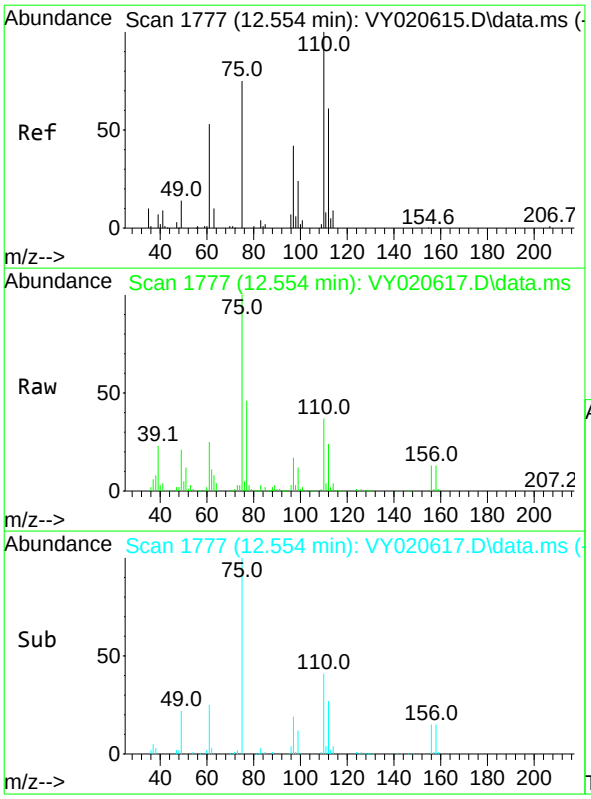


#75
1,1,2,2-Tetrachloroethane
Concen: 134.480 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 83 Resp: 258787

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	64.3	32.5	97.4





#76
1,2,3-Trichloropropane
Concen: 131.115 ug/l m
RT: 12.554 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 75 Resp: 183456

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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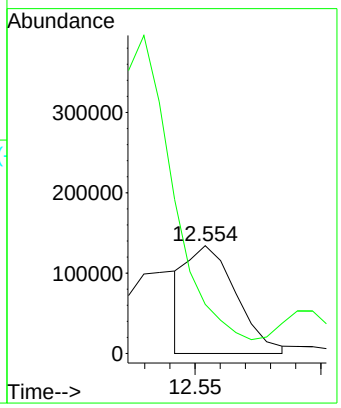
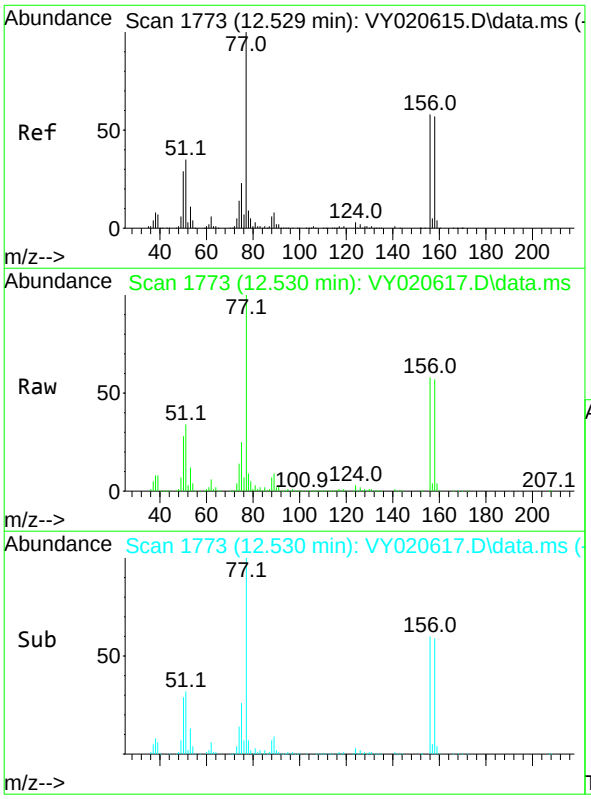
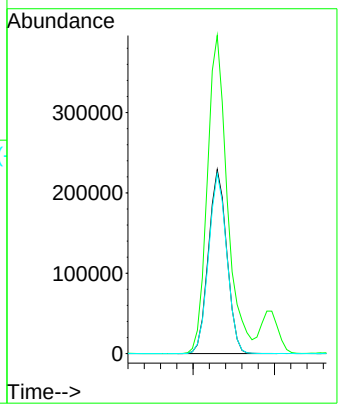


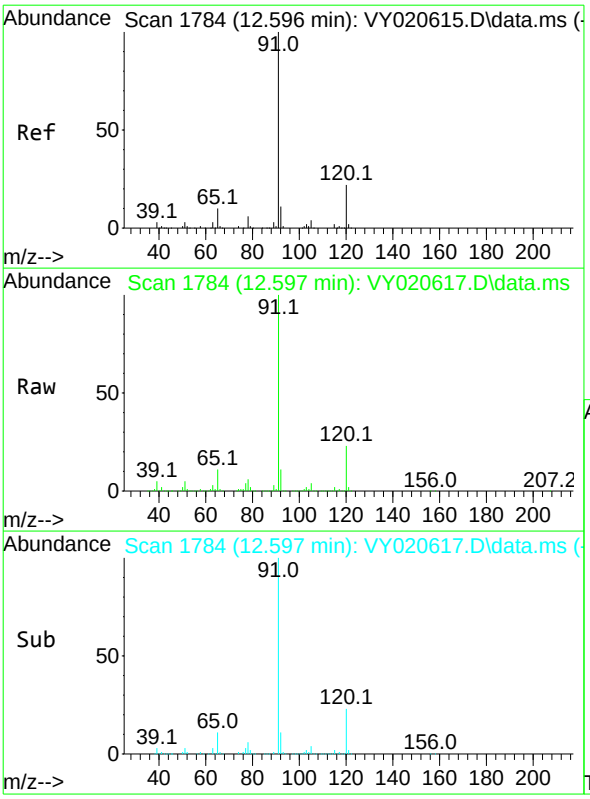


#77
Bromobenzene
Concen: 138.423 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:156 Resp: 357464

Ion	Ratio	Lower	Upper
156	100		
77	189.2	94.2	282.4
158	97.4	48.9	146.6





#78
n-propylbenzene
Concen: 138.026 ug/l
RT: 12.597 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 91 Resp: 1971458

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.1	33.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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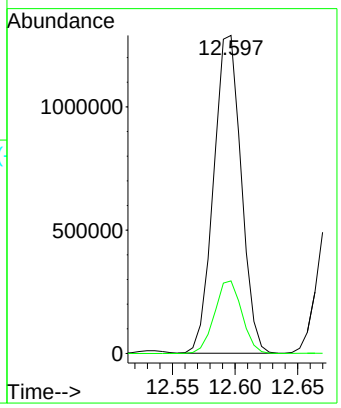
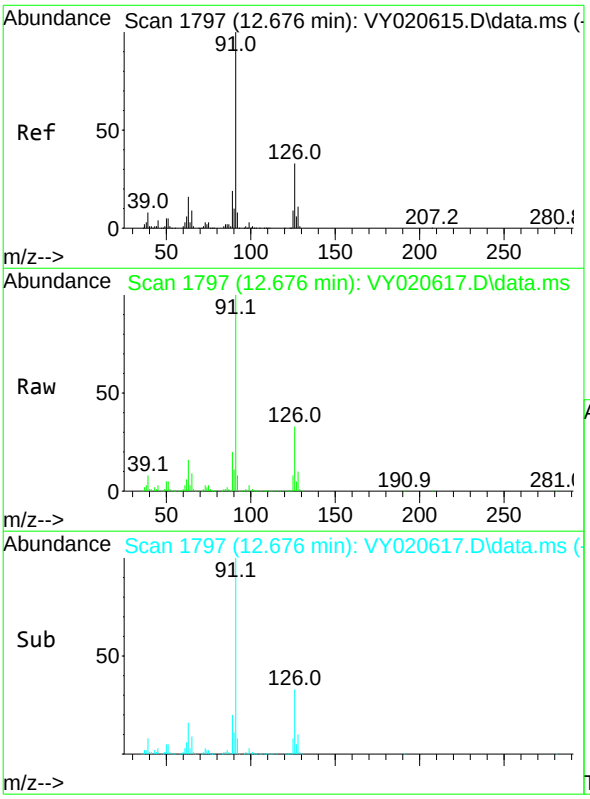
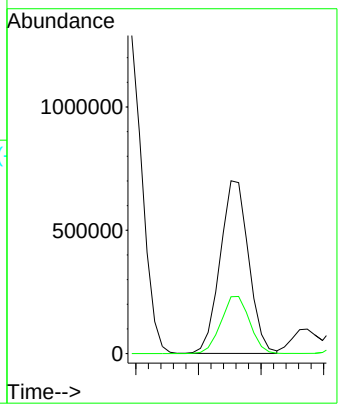


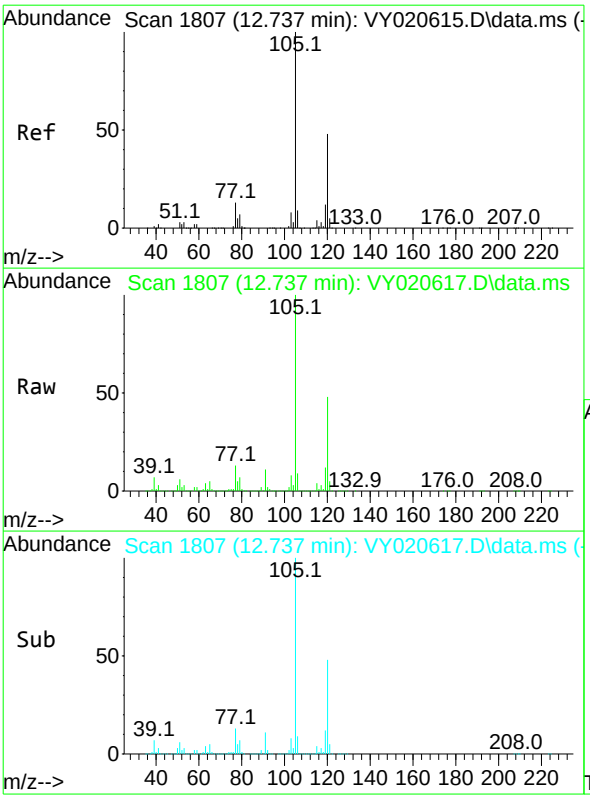


#79
2-Chlorotoluene
Concen: 138.298 ug/l
RT: 12.676 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 91 Resp: 1111362

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.6	49.7





#80
1,3,5-Trimethylbenzene
Concen: 138.553 ug/l
RT: 12.737 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:105 Resp: 1332805

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.9	71.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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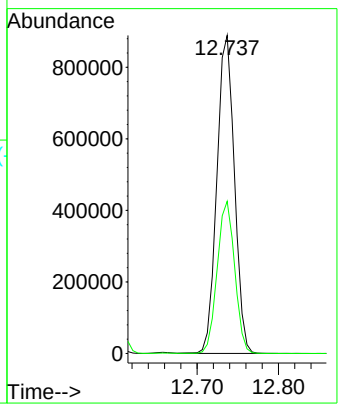
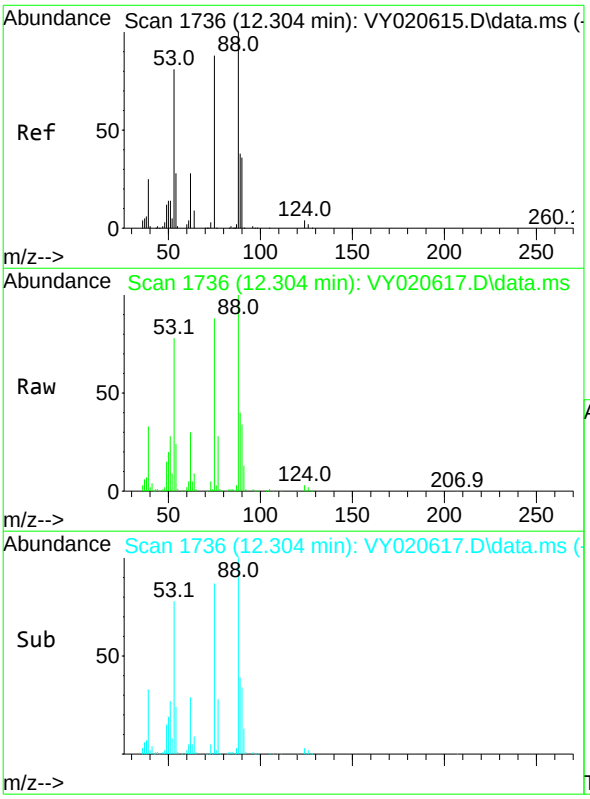
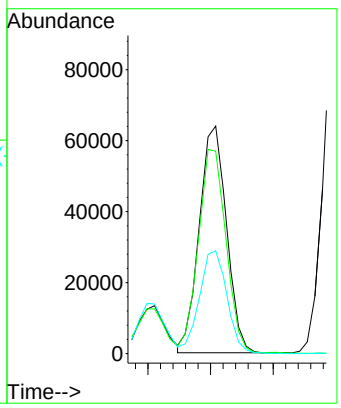


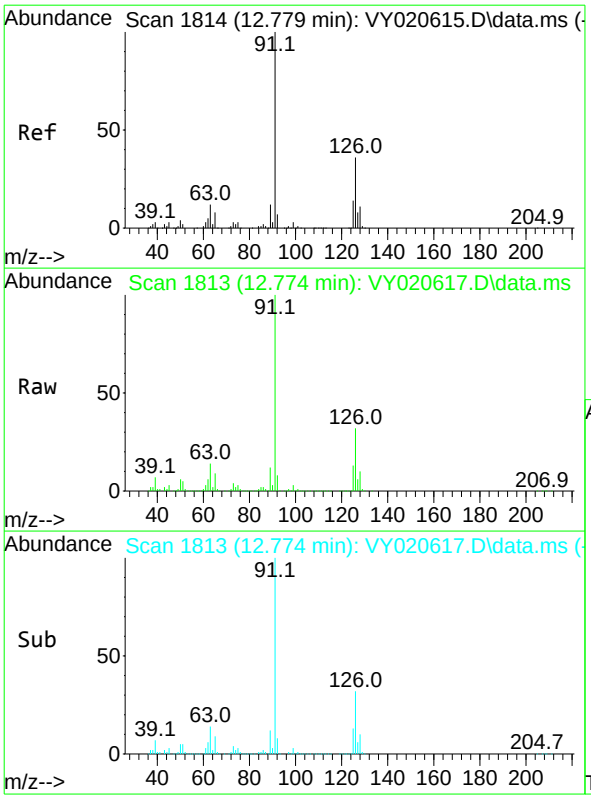


#81
trans-1,4-Dichloro-2-butene
Concen: 143.899 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 75 Resp: 96747

Ion	Ratio	Lower	Upper
75	100		
53	91.7	75.4	113.2
89	46.1	37.0	55.4

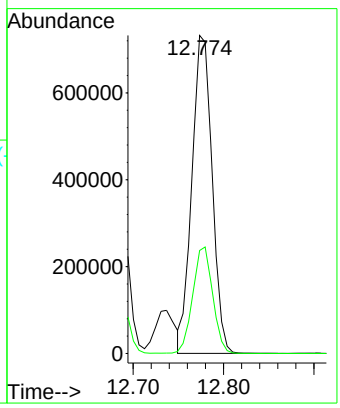




#82
4-Chlorotoluene
Concen: 136.190 ug/l
RT: 12.774 min Scan# 18
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 91 Resp: 1135416

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.6	49.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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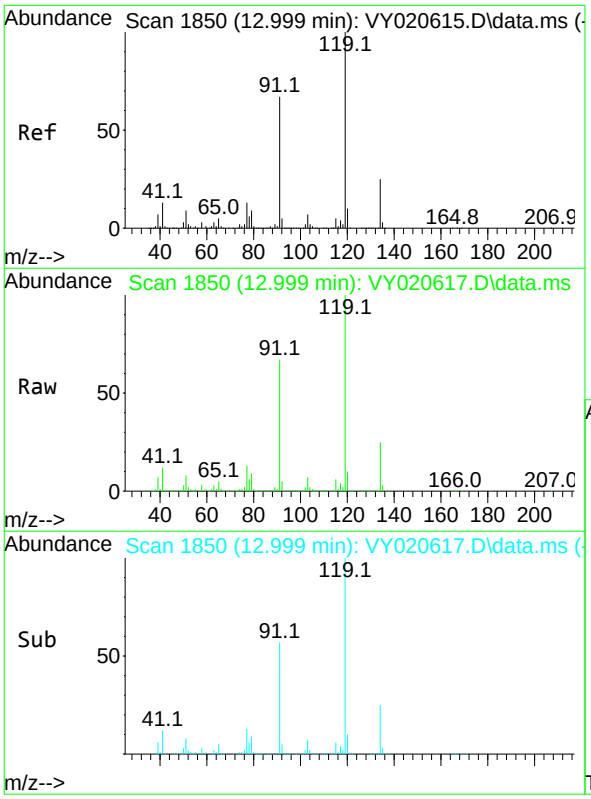
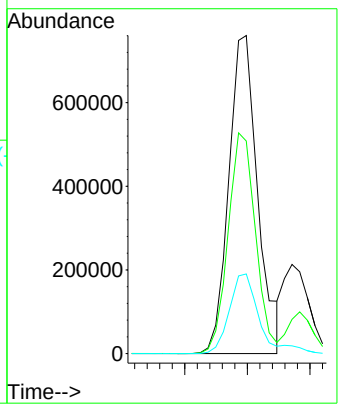
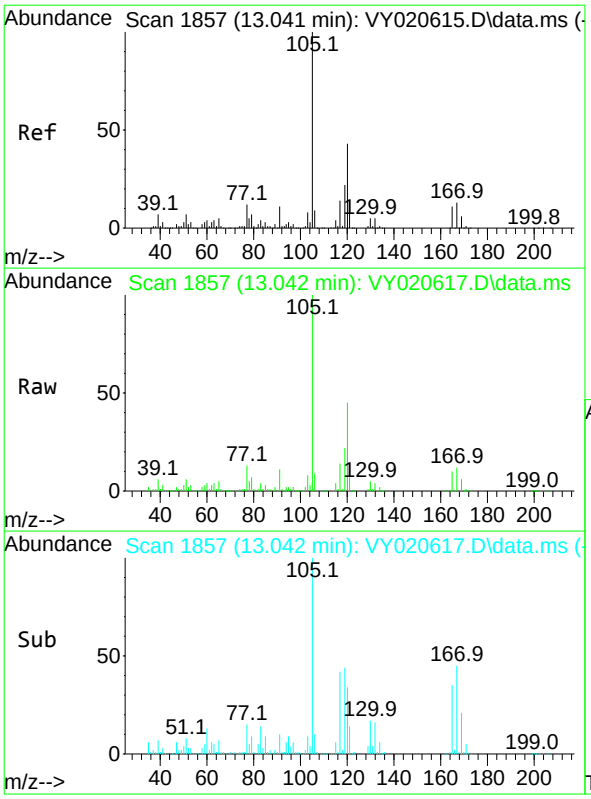


#83
tert-Butylbenzene
Concen: 139.985 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:119 Resp: 1219521

Ion	Ratio	Lower	Upper
119	100		
91	65.8	32.9	98.6
134	26.0	13.1	39.1

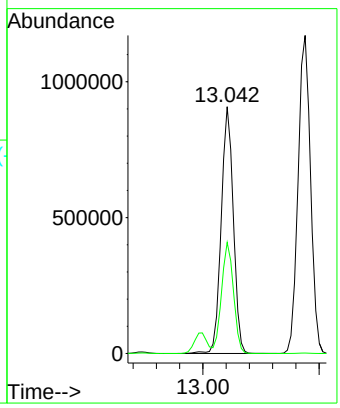




#84
1,2,4-Trimethylbenzene
Concen: 139.253 ug/l
RT: 13.042 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:105 Resp: 1313945

Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.8	65.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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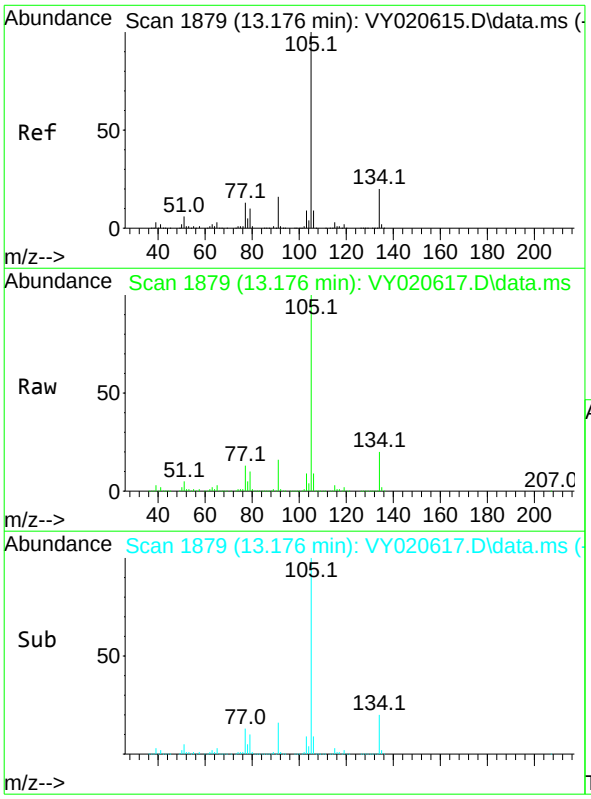
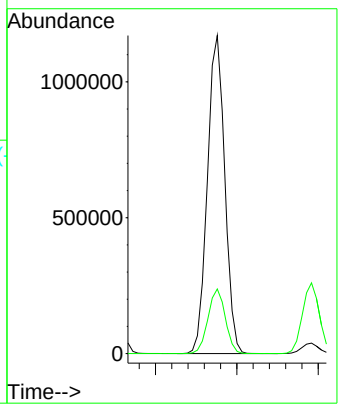
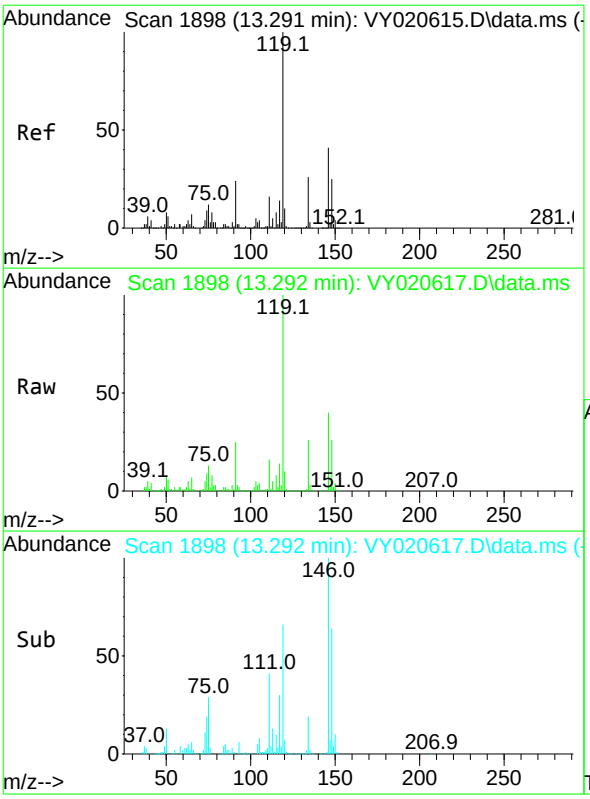


#85
sec-Butylbenzene
Concen: 137.147 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:105 Resp: 1737212

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0

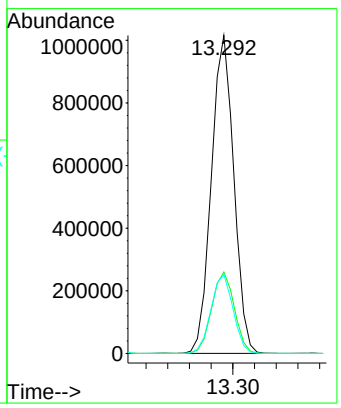




#86
p-Isopropyltoluene
Concen: 139.472 ug/l
RT: 13.292 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:119 Resp: 1456581

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.9	38.6
91	24.5	12.1	36.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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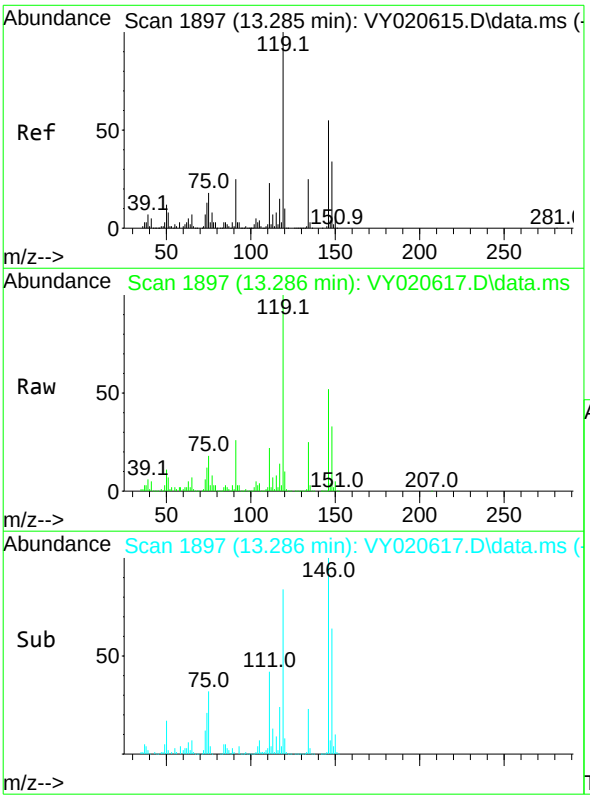
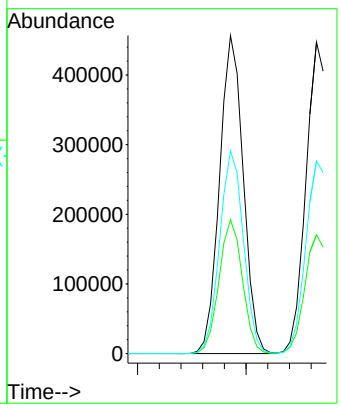
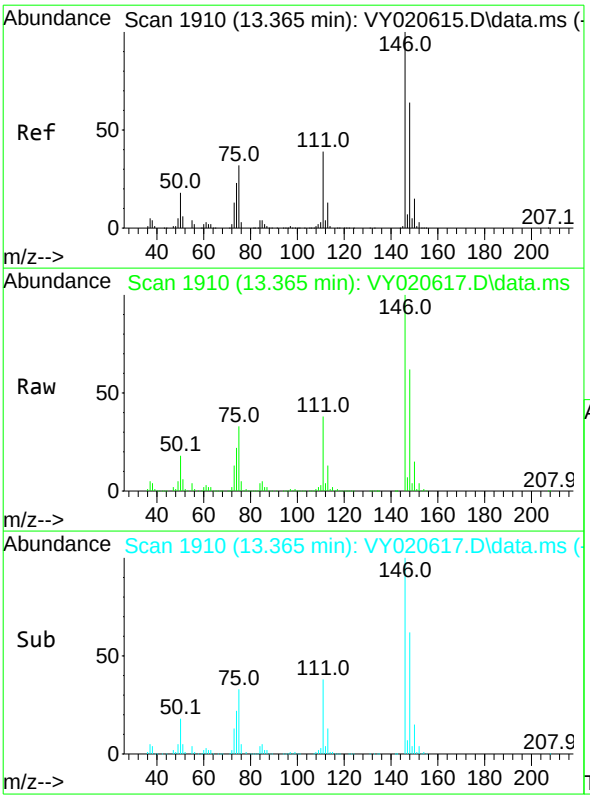


#87
1,3-Dichlorobenzene
Concen: 136.109 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:146 Resp: 693843

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.6	61.8
148	63.9	31.4	94.0

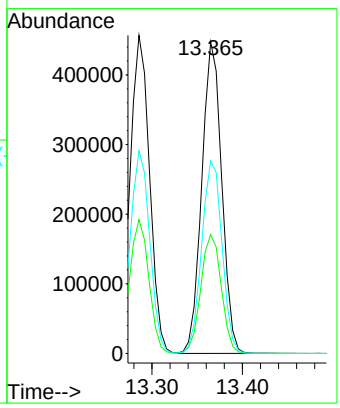




#88
1,4-Dichlorobenzene
Concen: 135.587 ug/l
RT: 13.365 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:146 Resp: 684559

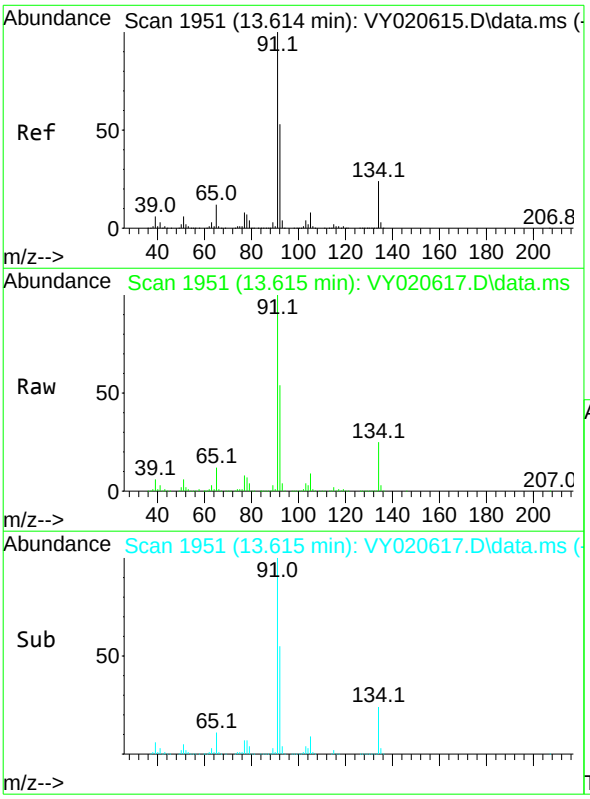
Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.7
148	63.5	31.9	95.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

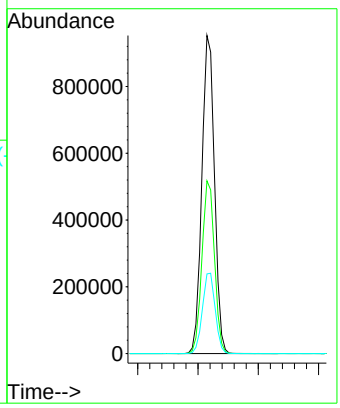
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

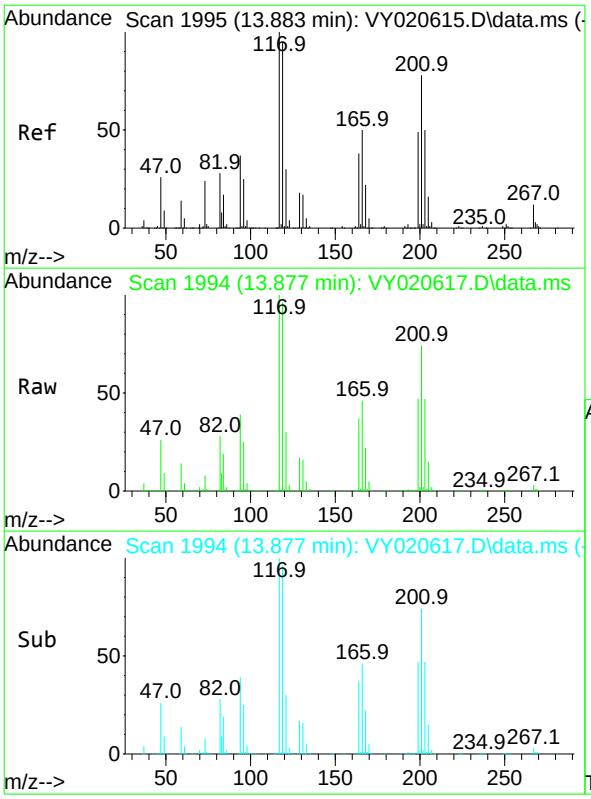


#89
n-Butylbenzene
Concen: 139.722 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 91 Resp: 1382912

Ion	Ratio	Lower	Upper
91	100		
92	54.1	26.8	80.4
134	25.7	12.5	37.5





#90
Hexachloroethane
Concen: 141.843 ug/l
RT: 13.877 min Scan# 19
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

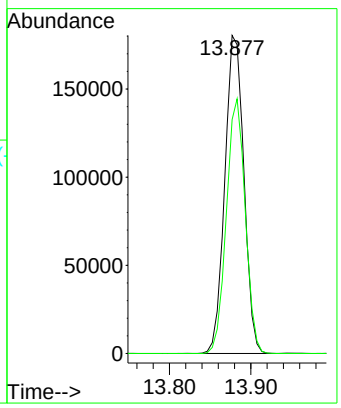
Tgt Ion:117 Resp: 293562

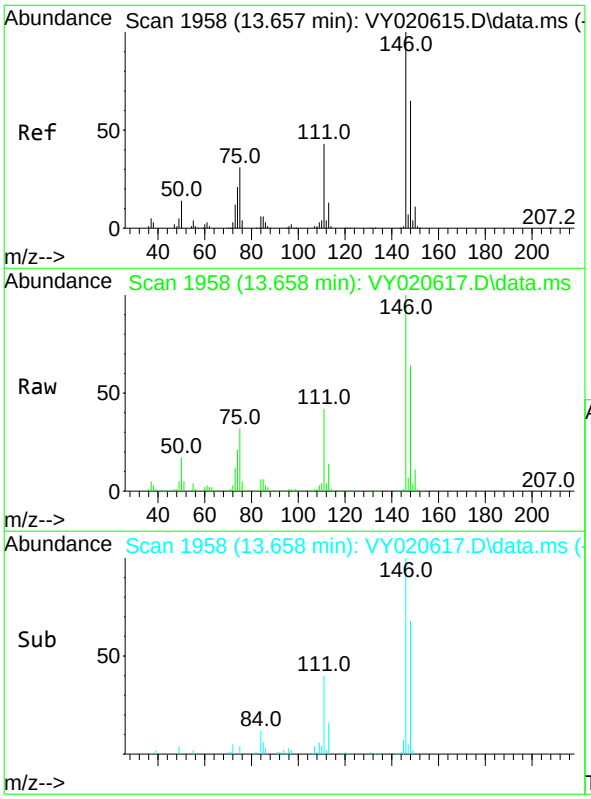
Ion	Ratio	Lower	Upper
117	100		
201	79.1	39.1	117.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

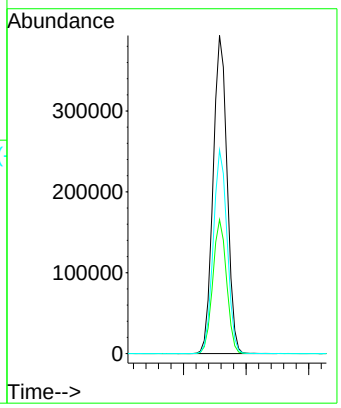


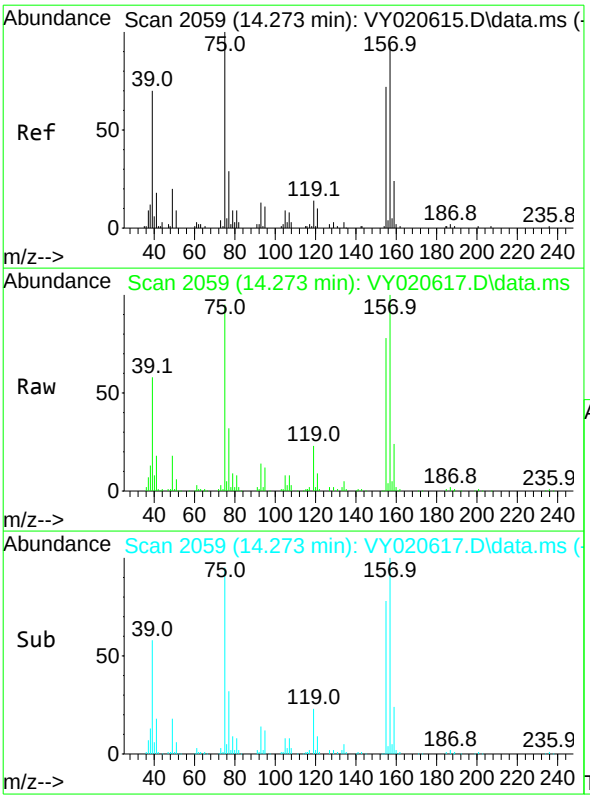


#91
1,2-Dichlorobenzene
Concen: 138.532 ug/l
RT: 13.658 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:146 Resp: 611871

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.3	63.7
148	63.4	32.0	96.0





#92
1,2-Dibromo-3-Chloropropane
Concen: 139.274 ug/l
RT: 14.273 min Scan# 20
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

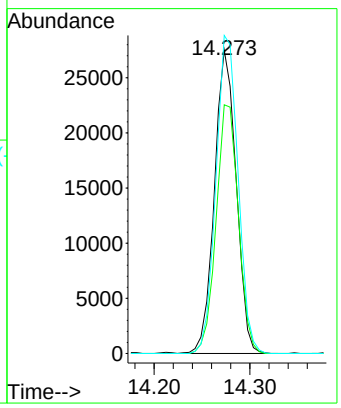
Tgt Ion: 75 Resp: 43513

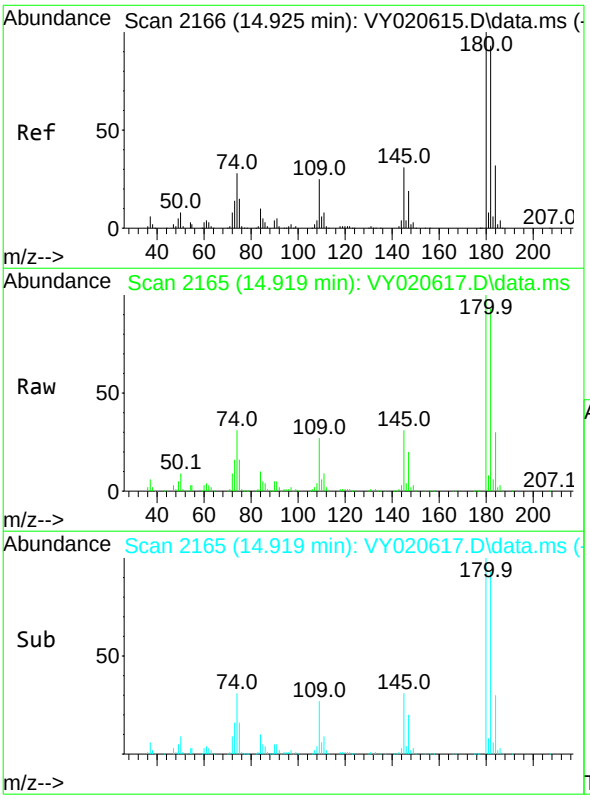
Ion	Ratio	Lower	Upper
75	100		
155	83.5	41.1	123.3
157	106.5	52.9	158.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

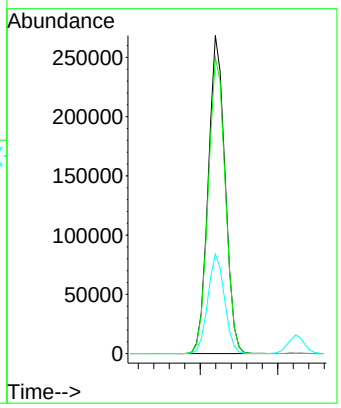


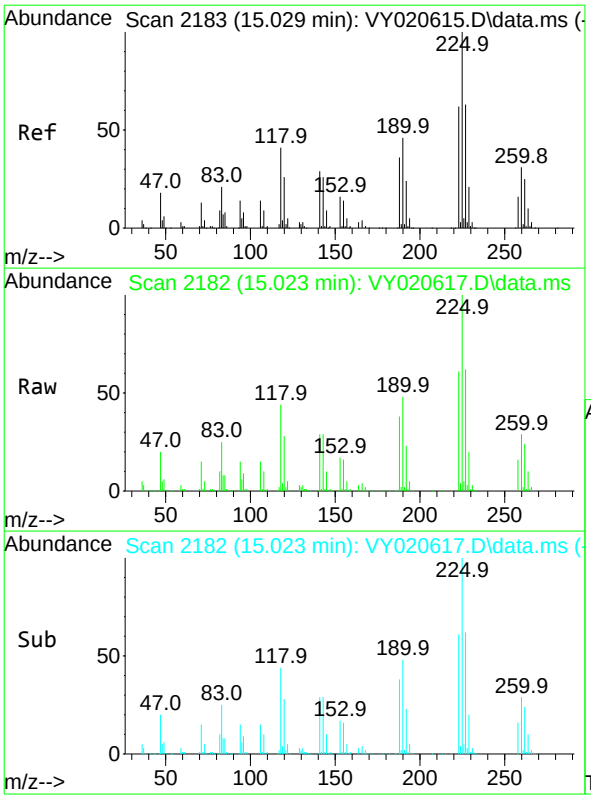


#93
1,2,4-Trichlorobenzene
Concen: 151.011 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:180 Resp: 403445

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.6
145	31.1	15.6	46.7

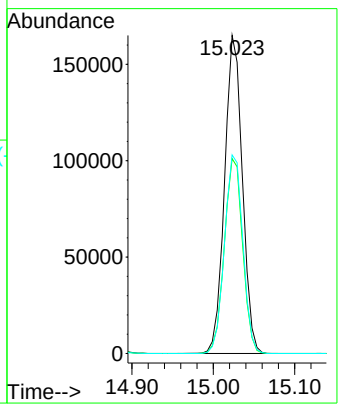




#94
Hexachlorobutadiene
Concen: 143.145 ug/l
RT: 15.023 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:225 Resp: 250003

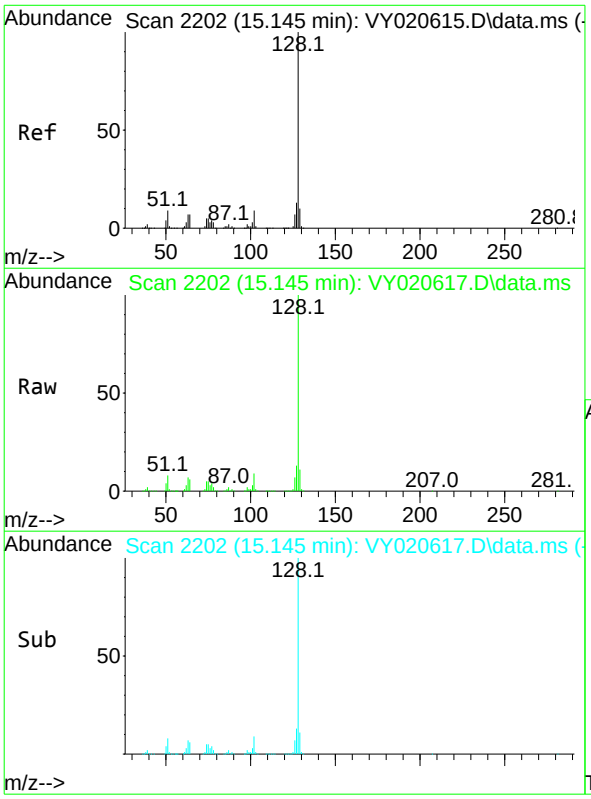
Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.8	95.3
227	64.5	32.2	96.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

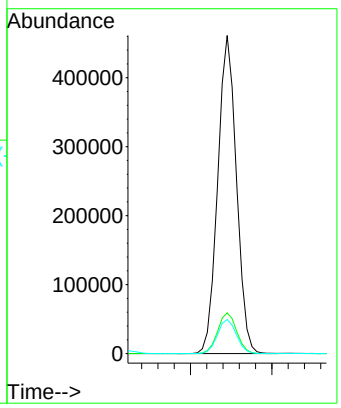
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

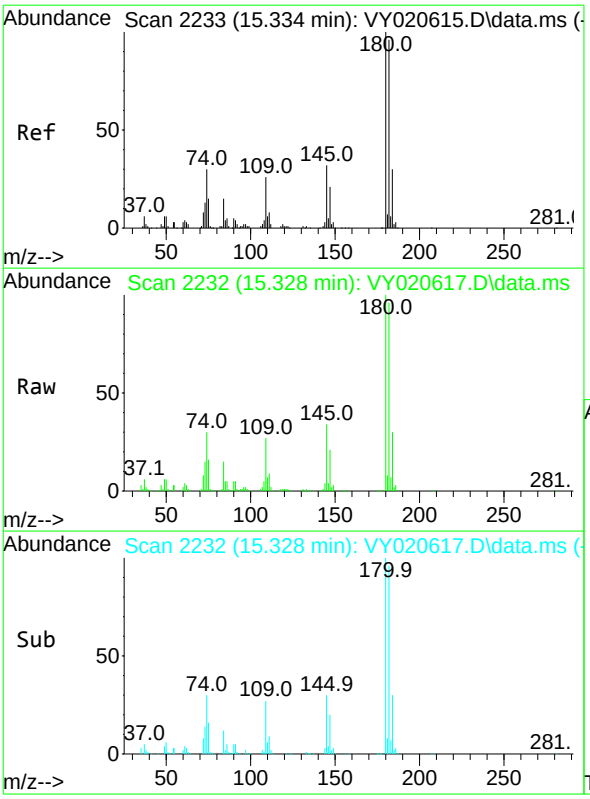


#95
Naphthalene
Concen: 160.836 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:128 Resp: 736677

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	10.8	8.5	12.7

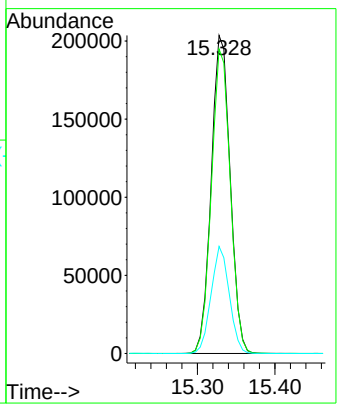




#96
1,2,3-Trichlorobenzene
Concen: 152.787 ug/l
RT: 15.328 min Scan# 22
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:180 Resp: 344880

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	141.9
145	32.5	16.0	48.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020619.D
Acq On : 17 Dec 2024 14:51
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 04:55:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.713	168	167036	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	257526	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	219786	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	120870	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.067	65	10628	5.810	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 11.620%#				
35) Dibromofluoromethane	7.634	113	10393	5.726	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 11.460%#				
50) Toluene-d8	10.109	98	37211	5.858	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 11.720%#				
62) 4-Bromofluorobenzene	12.408	95	15073	6.066	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 12.140%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	11112	5.326	ug/l		100
3) Chloromethane	2.074	50	9266	5.994	ug/l		89
4) Vinyl Chloride	2.208	62	8140	5.657	ug/l		91
5) Bromomethane	2.599	94	5462	5.906	ug/l		84
6) Chloroethane	2.739	64	5039	5.667	ug/l		97
7) Trichlorofluoromethane	3.068	101	16587	5.509	ug/l		89
8) Diethyl Ether	3.464	74	5733	5.430	ug/l		98
9) 1,1,2-Trichlorotrifluo...	3.818	101	11901	5.515	ug/l		98
10) Methyl Iodide	4.007	142	11197	4.660	ug/l		98
11) Tert butyl alcohol	4.848	59	7794	12.197	ug/l	#	86
12) 1,1-Dichloroethene	3.787	96	11147	5.324	ug/l		85
13) Acrolein	3.659	56	2720	31.444	ug/l		97
14) Allyl chloride	4.385	41	19430	5.296	ug/l		98
15) Acrylonitrile	5.061	53	12057	23.869	ug/l		98
16) Acetone	3.873	43	14032	33.023	ug/l		94
17) Carbon Disulfide	4.110	76	35780	5.250	ug/l		97
18) Methyl Acetate	4.391	43	6311	5.070	ug/l		98
19) Methyl tert-butyl Ether	5.122	73	25765	4.768	ug/l		93
20) Methylene Chloride	4.616	84	12792	5.624	ug/l		97
21) trans-1,2-Dichloroethene	5.116	96	11813	5.030	ug/l		93
22) Diisopropyl ether	6.019	45	37011	4.970	ug/l	#	88
23) Vinyl Acetate	5.964	43	98112	23.261	ug/l		98
24) 1,1-Dichloroethane	5.915	63	22261	5.102	ug/l		96
25) 2-Butanone	6.897	43	19017	27.972	ug/l		94
26) 2,2-Dichloropropane	6.878	77	24236	5.876	ug/l		93
27) cis-1,2-Dichloroethene	6.890	96	13806	5.109	ug/l		93
28) Bromochloromethane	7.244	49	7129	4.844	ug/l		96
29) Tetrahydrofuran	7.268	42	9729	22.669	ug/l		97
30) Chloroform	7.421	83	34563	2.901	ug/l		98
31) Cyclohexane	7.707	56	24108	5.779	ug/l	#	85
32) 1,1,1-Trichloroethane	7.622	97	20368	5.082	ug/l		99
36) 1,1-Dichloropropene	7.835	75	17712	5.352	ug/l		98
37) Ethyl Acetate	6.988	43	7613	4.890	ug/l		96
38) Carbon Tetrachloride	7.817	117	18792	5.132	ug/l		96
39) Methylcyclohexane	9.110	83	22745	5.273	ug/l		94
40) Benzene	8.079	78	49636	5.117	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020619.D
Acq On : 17 Dec 2024 14:51
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 04:55:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.232	41	3782m	4.595 ug/l		
42) 1,2-Dichloroethane	8.159	62	12917	5.020 ug/l		95
43) Isopropyl Acetate	8.195	43	13361	4.533 ug/l	#	86
44) Trichloroethene	8.866	130	12384	5.195 ug/l		88
45) 1,2-Dichloropropane	9.146	63	11378	5.019 ug/l		96
46) Dibromomethane	9.231	93	5965	4.978 ug/l		99
47) Bromodichloromethane	9.420	83	16115	4.979 ug/l		98
48) Methyl methacrylate	9.219	41	6545	4.671 ug/l		93
49) 1,4-Dioxane	9.225	88	1268	92.278 ug/l	#	82
51) 4-Methyl-2-Pentanone	10.000	43	38280	24.607 ug/l		98
52) Toluene	10.170	92	30294	5.025 ug/l		98
53) t-1,3-Dichloropropene	10.396	75	13747	4.558 ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	17025	4.764 ug/l		95
55) 1,1,2-Trichloroethane	10.573	97	7935	5.009 ug/l		93
56) Ethyl methacrylate	10.439	69	10000	4.351 ug/l		98
57) 1,3-Dichloropropane	10.719	76	13754	4.870 ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	23872	24.686 ug/l		100
59) 2-Hexanone	10.762	43	23164	23.192 ug/l		99
60) Dibromochloromethane	10.914	129	10207	4.818 ug/l		98
61) 1,2-Dibromoethane	11.018	107	7143	4.847 ug/l		100
64) Tetrachloroethene	10.646	164	11707	5.663 ug/l		96
65) Chlorobenzene	11.445	112	31674	5.154 ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	10526	5.009 ug/l		94
67) Ethyl Benzene	11.518	91	57861	5.103 ug/l		100
68) m/p-Xylenes	11.627	106	43257	10.262 ug/l		100
69) o-Xylene	11.957	106	19639	4.993 ug/l		99
70) Styrene	11.969	104	32495	4.945 ug/l		99
71) Bromoform	12.133	173	5762	4.877 ug/l	#	98
73) Isopropylbenzene	12.255	105	53196	5.043 ug/l		100
74) N-amyl acetate	12.072	43	10480	4.245 ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	8331	4.866 ug/l		97
76) 1,2,3-Trichloropropane	12.560	75	6432m	5.167 ug/l		
77) Bromobenzene	12.536	156	11774	5.124 ug/l		98
78) n-propylbenzene	12.597	91	64140	5.047 ug/l		97
79) 2-Chlorotoluene	12.682	91	36508	5.106 ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	43711	5.107 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	2558	4.276 ug/l		90
82) 4-Chlorotoluene	12.780	91	39447	5.318 ug/l		98
83) tert-Butylbenzene	12.999	119	38538	4.972 ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	41754	4.974 ug/l		97
85) sec-Butylbenzene	13.176	105	58088	5.154 ug/l		100
86) p-Isopropyltoluene	13.292	119	46384	4.992 ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	23757	5.238 ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	24276	5.404 ug/l		94
89) n-Butylbenzene	13.621	91	43817	4.976 ug/l		99
90) Hexachloroethane	13.883	117	9361	5.084 ug/l		100
91) 1,2-Dichlorobenzene	13.664	146	20478	5.211 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1404	5.051 ug/l		89
93) 1,2,4-Trichlorobenzene	14.926	180	11648	4.900 ug/l		98
94) Hexachlorobutadiene	15.029	225	8059	5.186 ug/l		99
95) Naphthalene	15.151	128	17365	4.261 ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	9821	4.890 ug/l		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020619.D
Acq On : 17 Dec 2024 14:51
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 04:55:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

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

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

ICAL Form

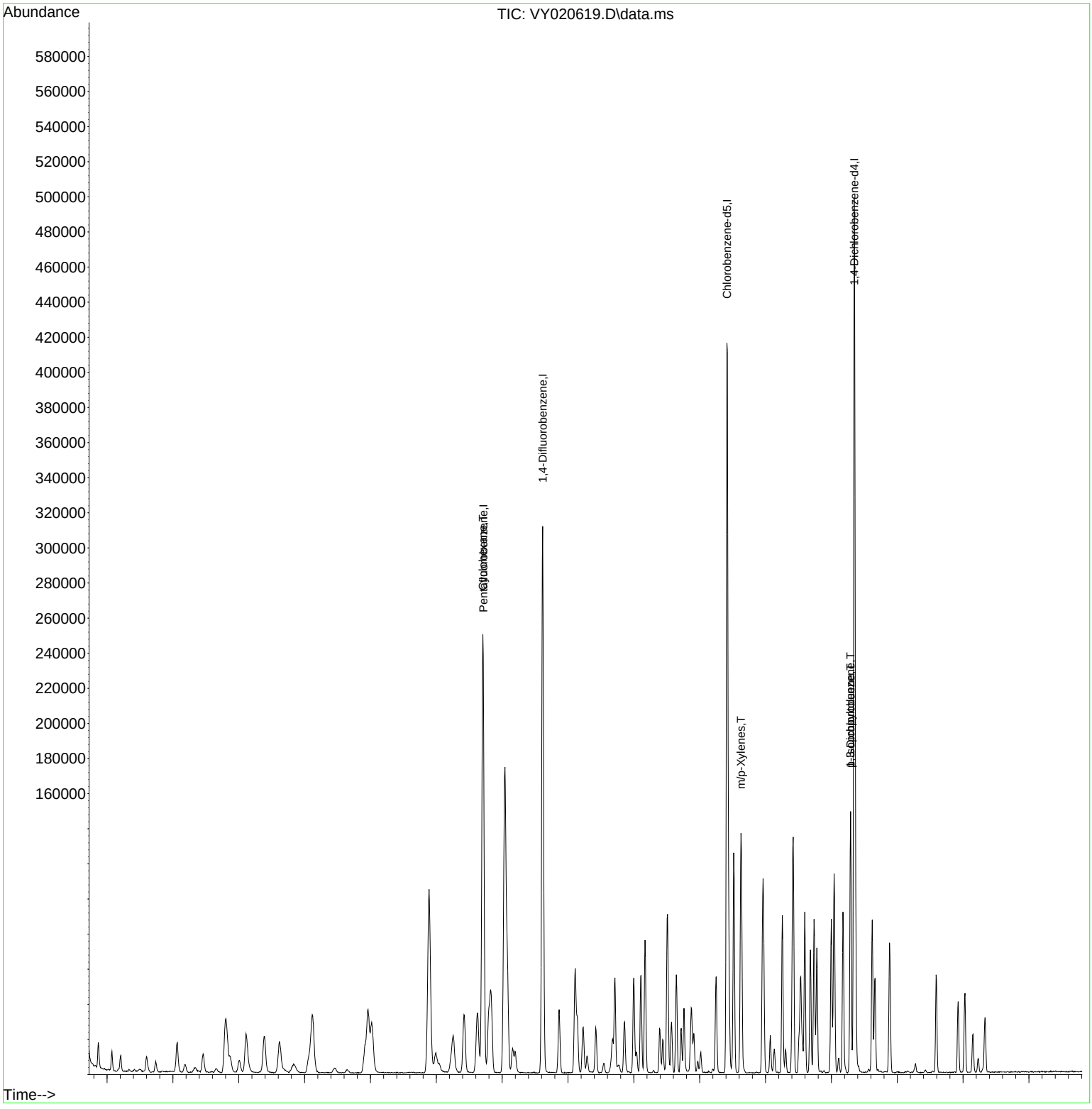
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020619.D
Acq On : 17 Dec 2024 14:51
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

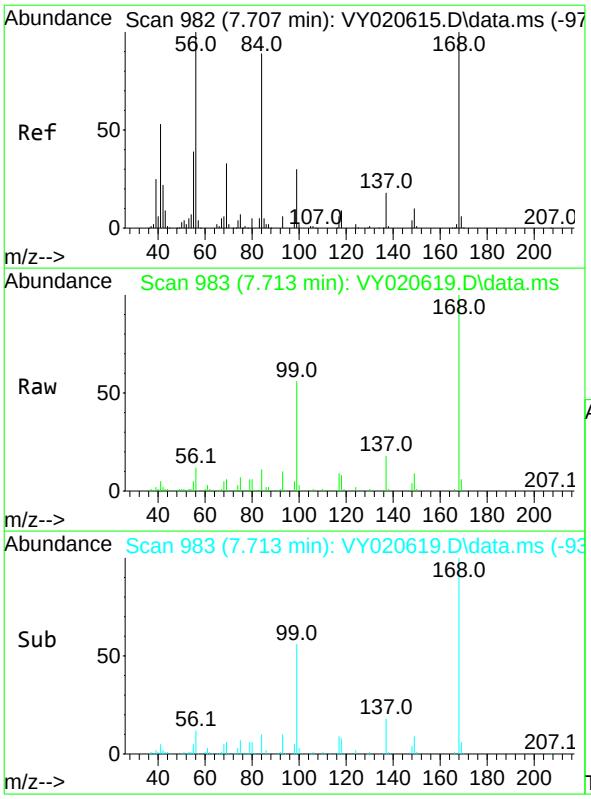
Quant Time: Dec 18 04:55:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

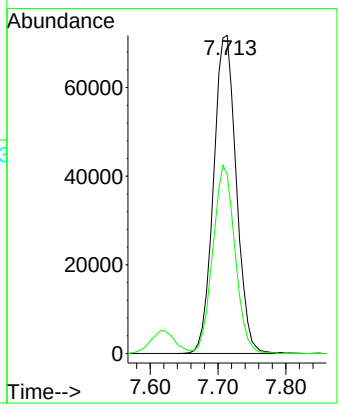




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:168 Resp: 167036

Ion	Ratio	Lower	Upper
168	100		
99	56.4	47.0	70.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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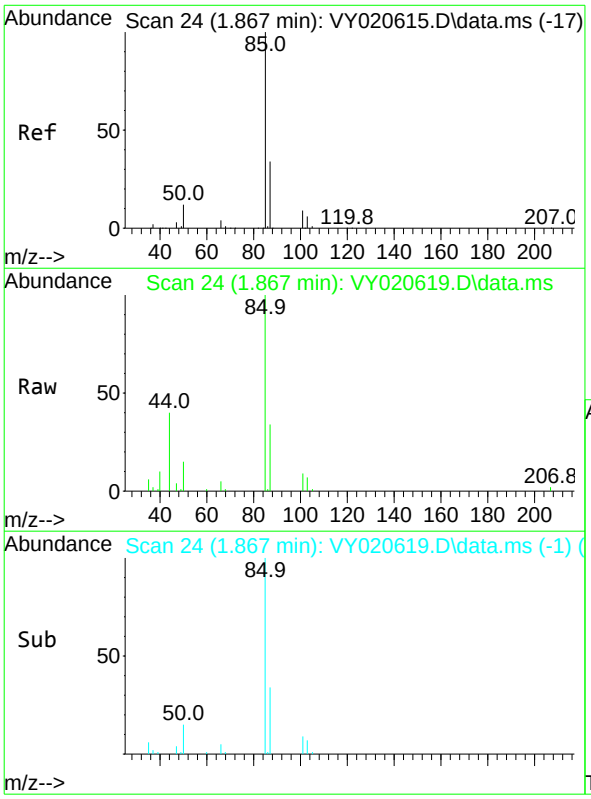
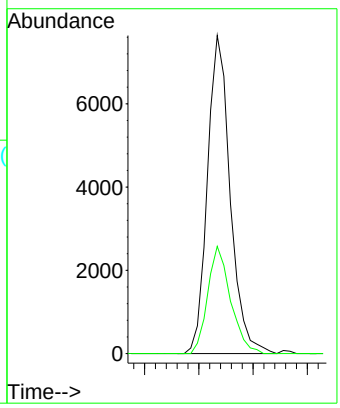
Supervised By :Semsettin Yesilyurt 12/18/2024

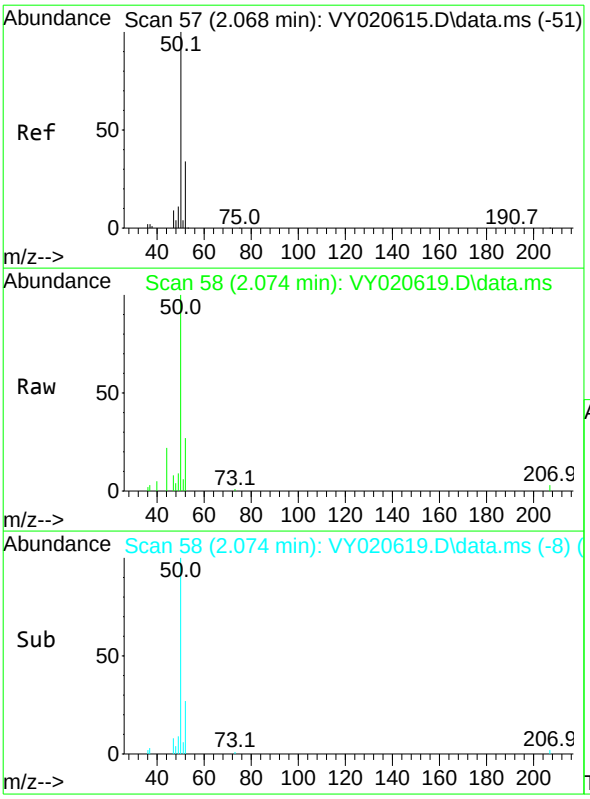


#2
Dichlorodifluoromethane
Concen: 5.326 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 85 Resp: 11112

Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.8	50.3

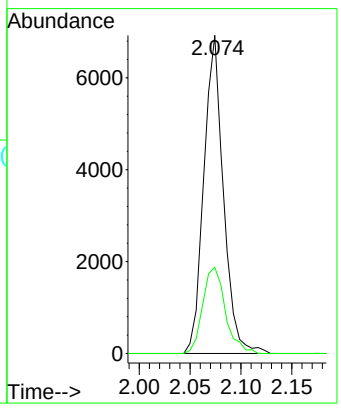




#3
Chloromethane
Concen: 5.994 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 50 Resp: 9266

Ion	Ratio	Lower	Upper
50	100		
52	27.1	26.8	40.2



Instrument :
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ClientSampleId :
VSTDICC005

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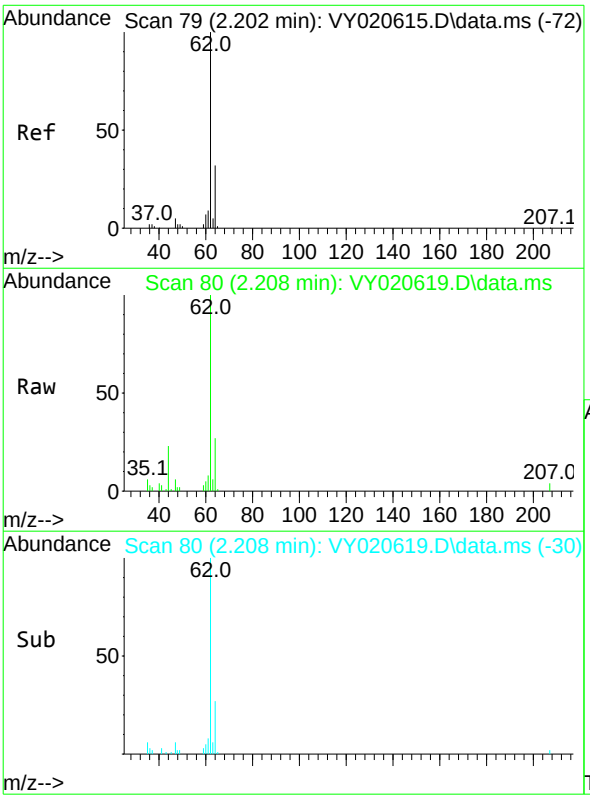
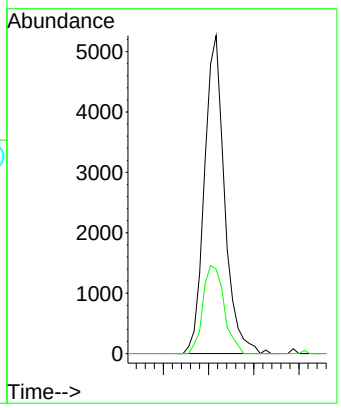
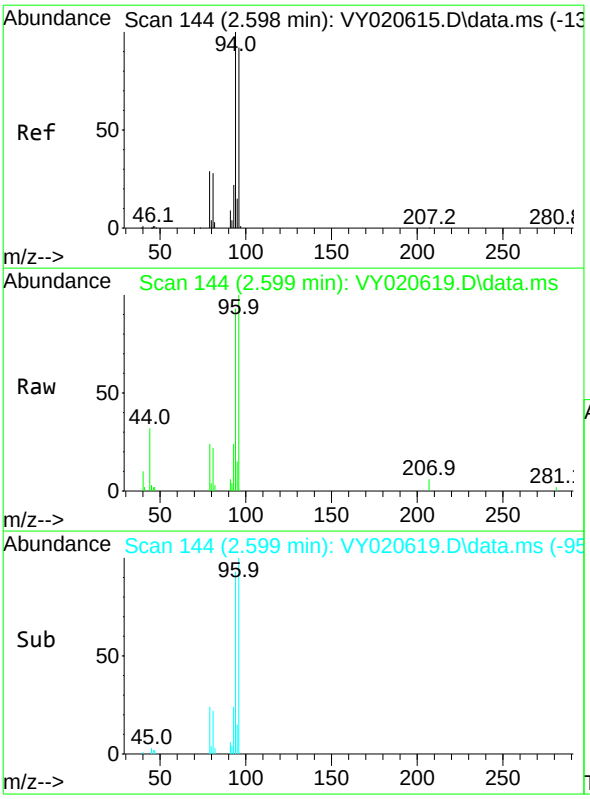


#4
Vinyl Chloride
Concen: 5.657 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 62 Resp: 8140

Ion	Ratio	Lower	Upper
62	100		
64	26.6	25.3	37.9

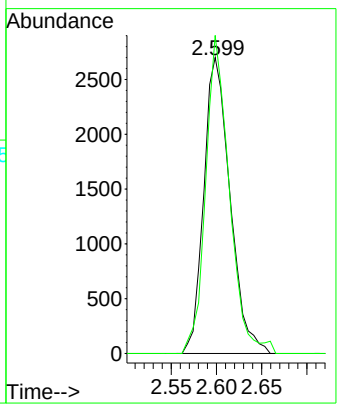




#5
Bromomethane
Concen: 5.906 ug/l
RT: 2.599 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 94 Resp: 5462

Ion	Ratio	Lower	Upper
94	100		
96	107.5	73.8	110.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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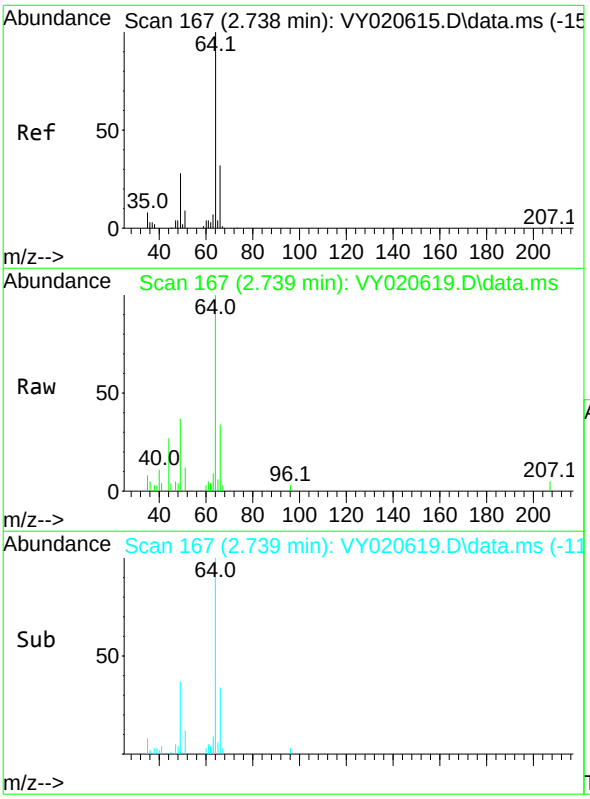
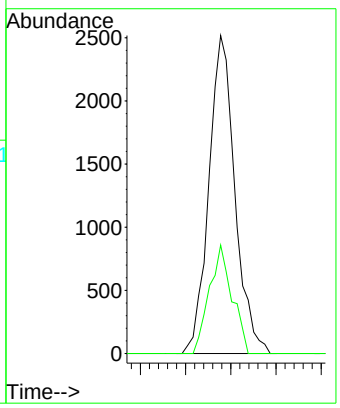
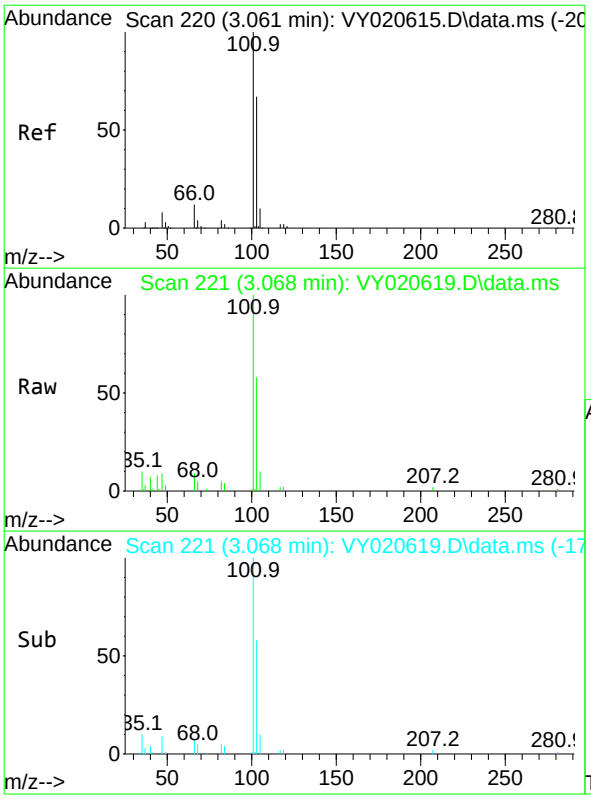


#6
Chloroethane
Concen: 5.667 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 64 Resp: 5039

Ion	Ratio	Lower	Upper
64	100		
66	34.1	25.8	38.6

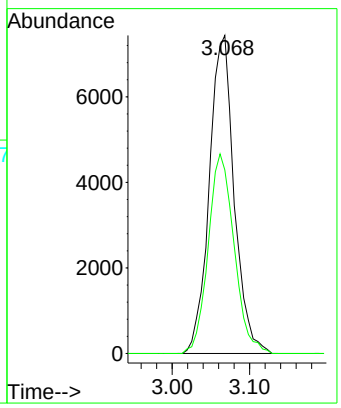




#7
Trichlorofluoromethane
Concen: 5.509 ug/l
RT: 3.068 min Scan# 22
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:101 Resp: 16587

Ion	Ratio	Lower	Upper
101	100		
103	57.7	53.4	80.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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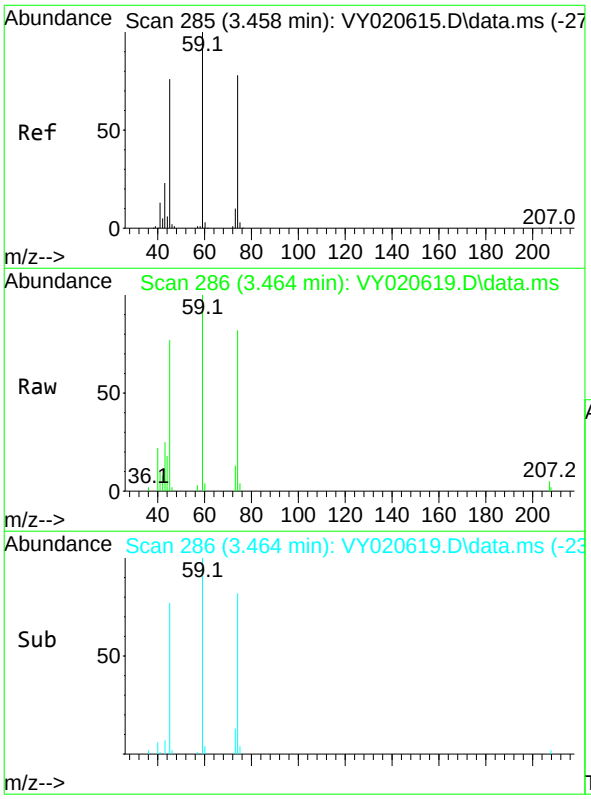
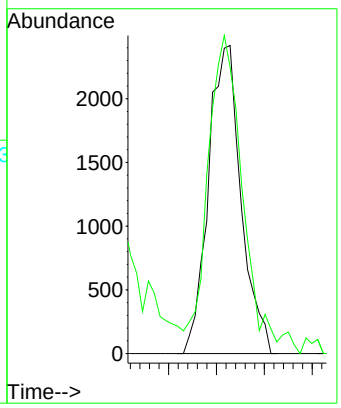
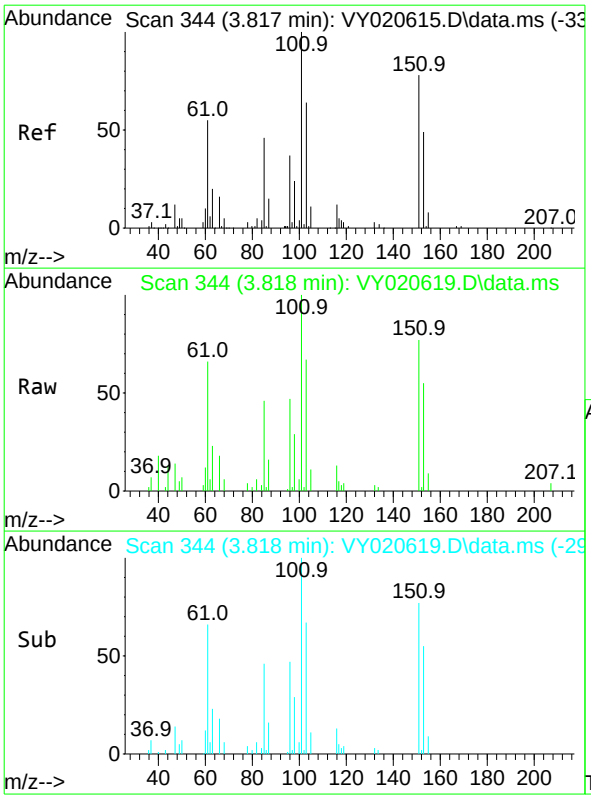


#8
Diethyl Ether
Concen: 5.430 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 74 Resp: 5733

Ion	Ratio	Lower	Upper
74	100		
45	100.2	49.0	147.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.515 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 11901

Ion	Ratio	Lower	Upper
101	100		
85	47.3	36.6	54.8
151	77.7	61.5	92.3

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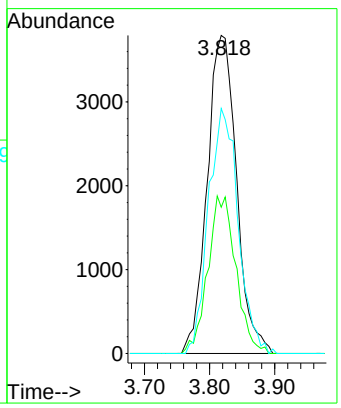
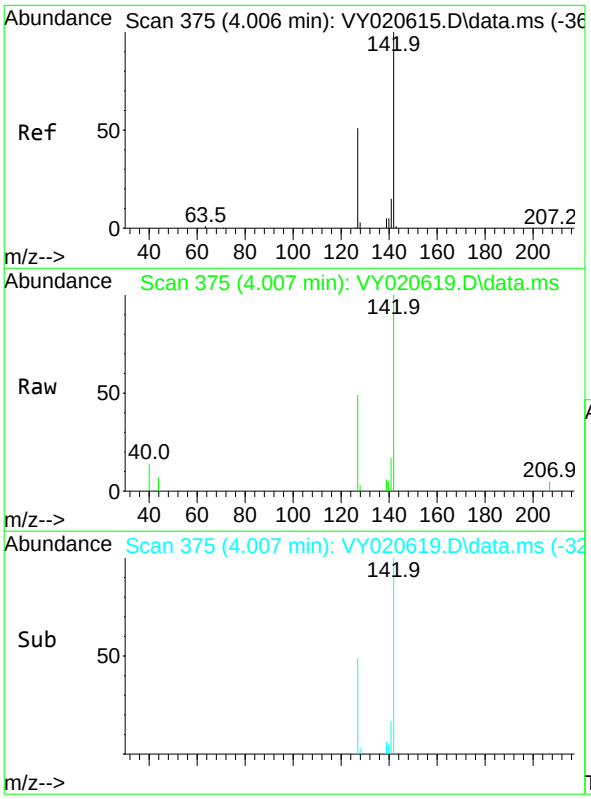
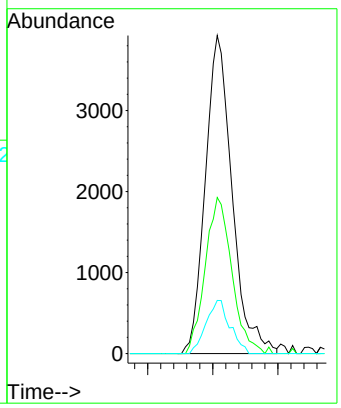


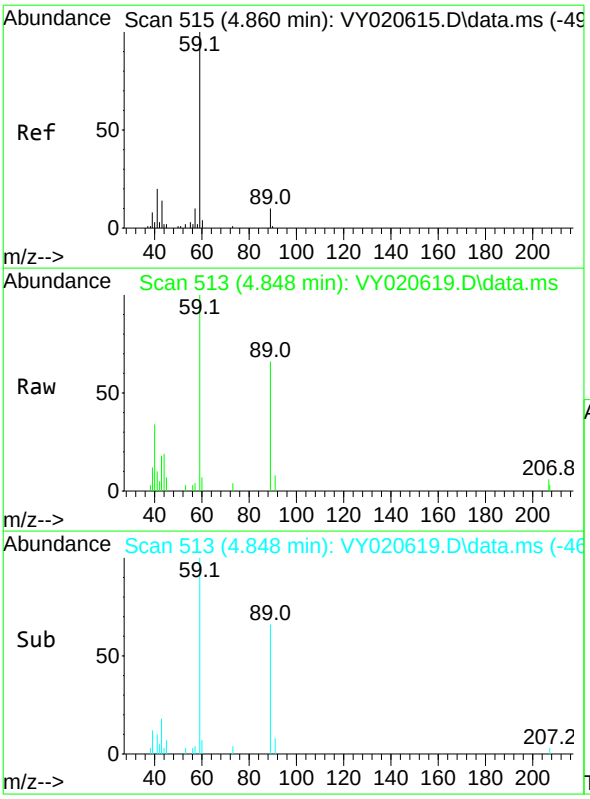


#10
Methyl Iodide
Concen: 4.660 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.001 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:142 Resp: 11197

Ion	Ratio	Lower	Upper
142	100		
127	48.8	40.6	61.0
141	14.9	11.7	17.5

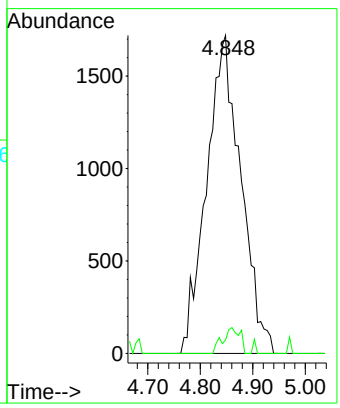




#11
Tert butyl alcohol
Concen: 12.197 ug/l
RT: 4.848 min Scan# 51
Delta R.T. -0.012 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 59 Resp: 7794

Ion	Ratio	Lower	Upper
59	100		
57	4.1	7.4	11.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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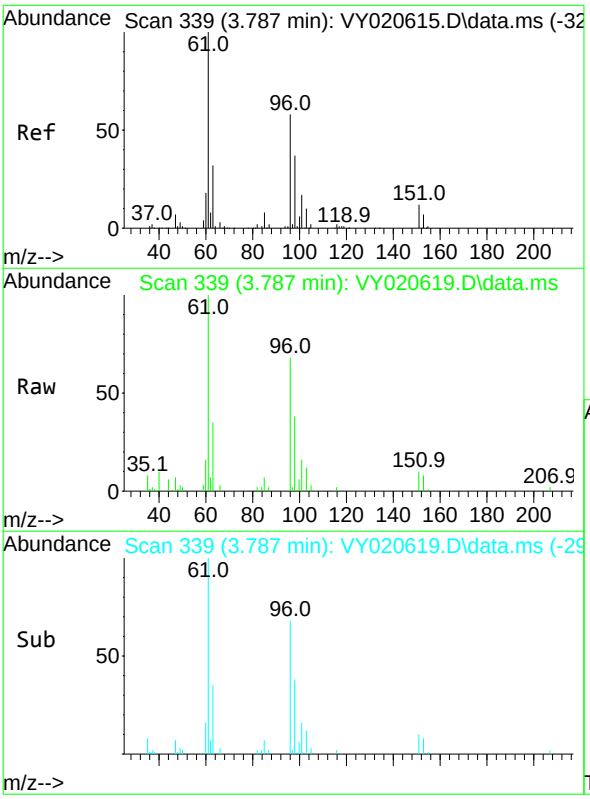
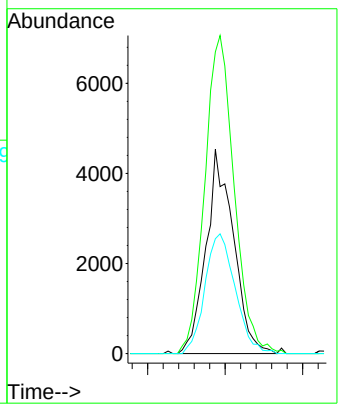
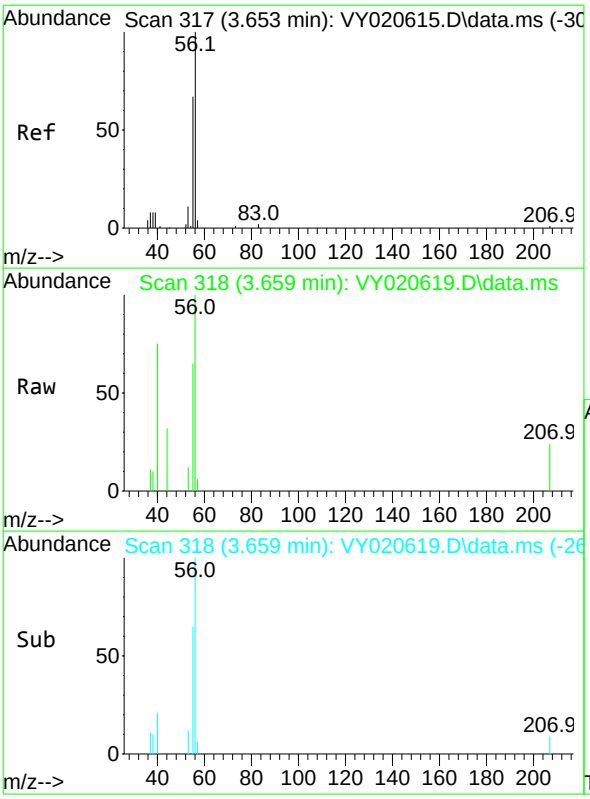


#12
1,1-Dichloroethene
Concen: 5.324 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 96 Resp: 11147

Ion	Ratio	Lower	Upper
96	100		
61	147.8	136.9	205.3
98	56.2	50.2	75.4

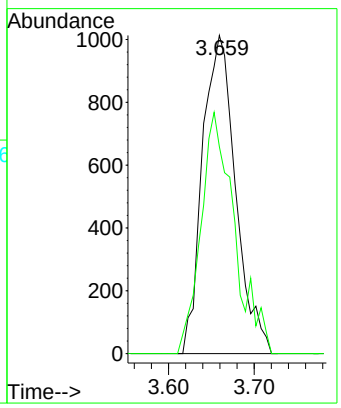




#13
Acrolein
Concen: 31.444 ug/l
RT: 3.659 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 56 Resp: 2720

Ion	Ratio	Lower	Upper
56	100		
55	69.5	57.5	86.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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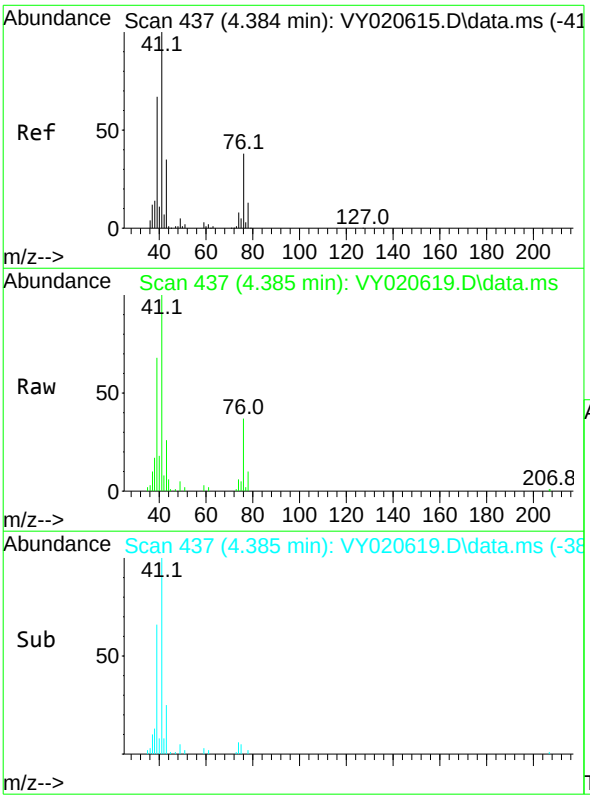
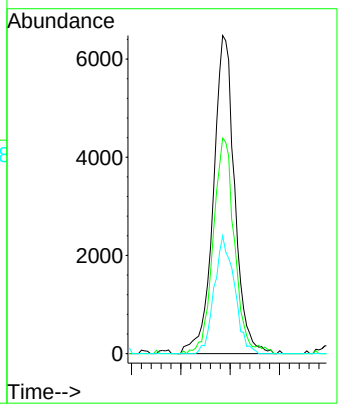
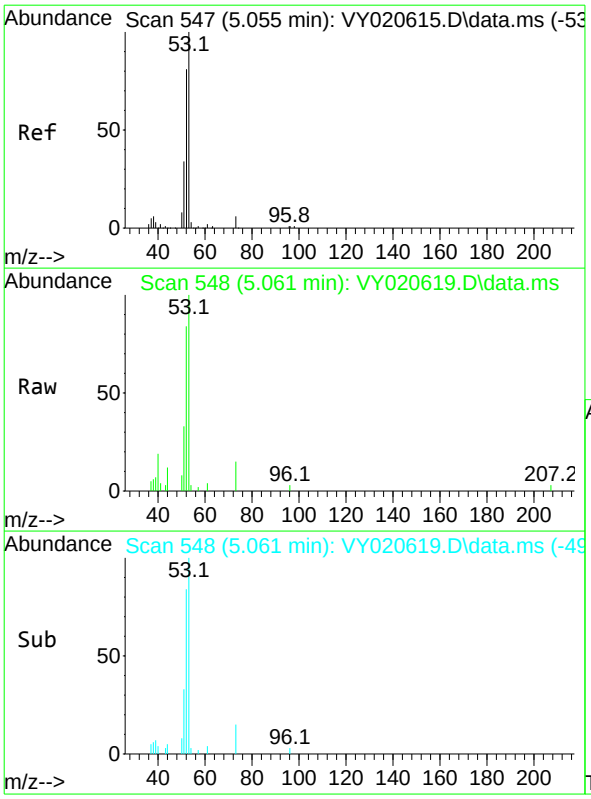


#14
Allyl chloride
Concen: 5.296 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 41 Resp: 19430

Ion	Ratio	Lower	Upper
41	100		
39	67.7	53.0	79.4
76	34.7	29.5	44.3

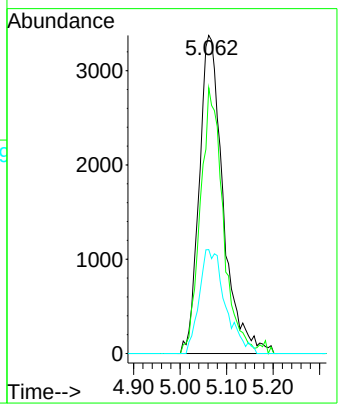




#15
Acrylonitrile
Concen: 23.869 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 53 Resp: 12057

Ion	Ratio	Lower	Upper
53	100		
52	79.3	64.5	96.7
51	35.7	29.4	44.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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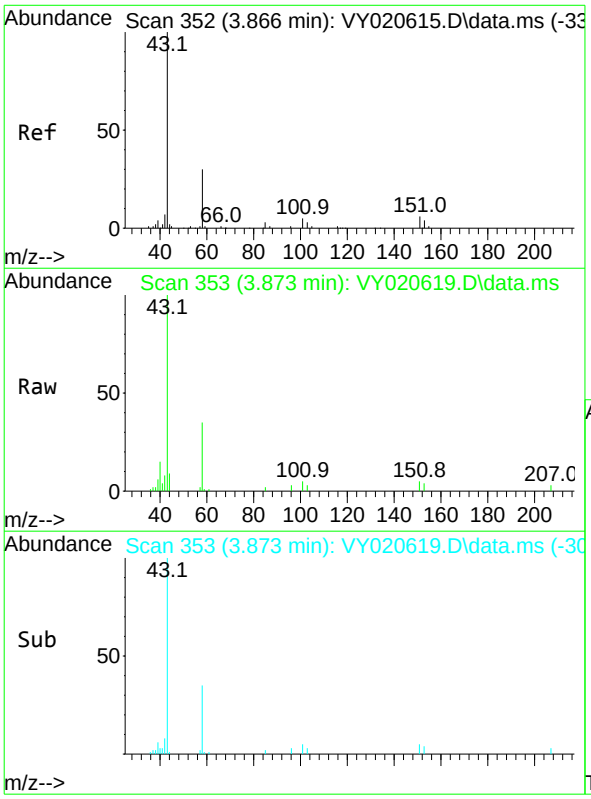
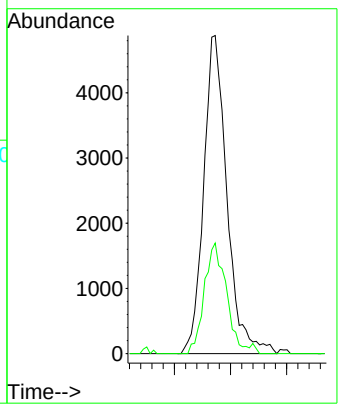
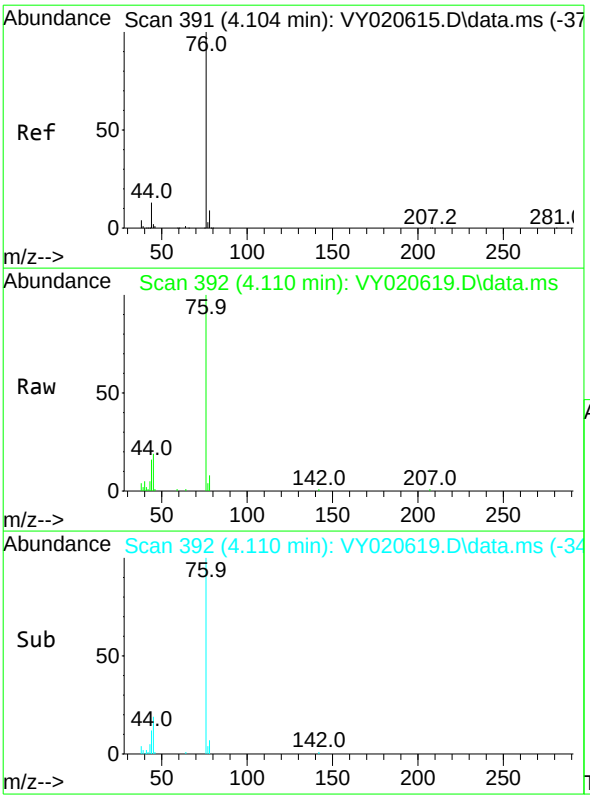


#16
Acetone
Concen: 33.023 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.007 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 43 Resp: 14032

Ion	Ratio	Lower	Upper
43	100		
58	34.8	25.0	37.6

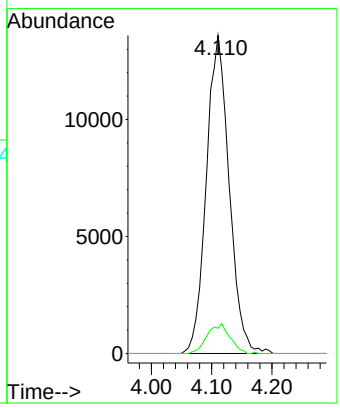




#17
Carbon Disulfide
Concen: 5.250 ug/l
RT: 4.110 min Scan# 39
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 76 Resp: 35780

Ion	Ratio	Lower	Upper
76	100		
78	7.9	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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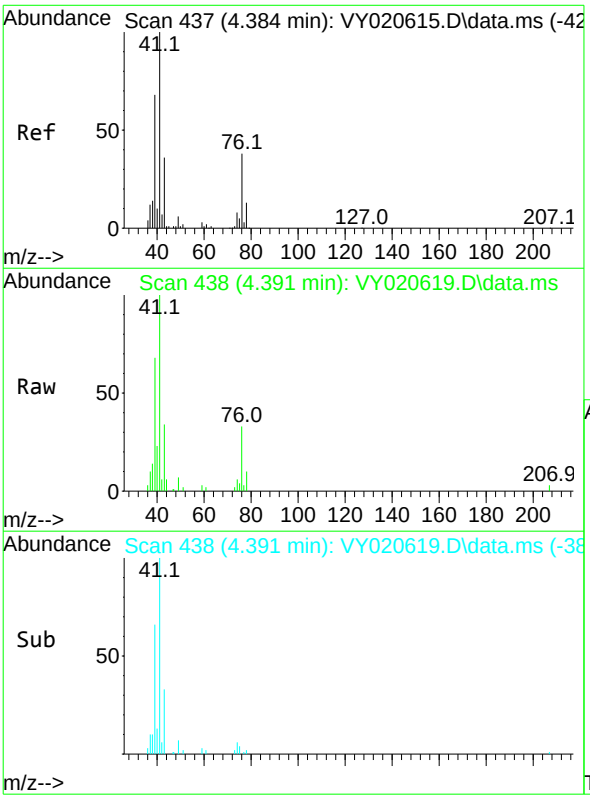
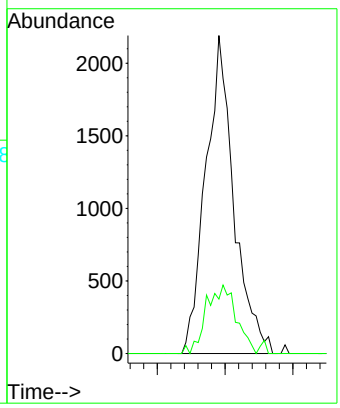
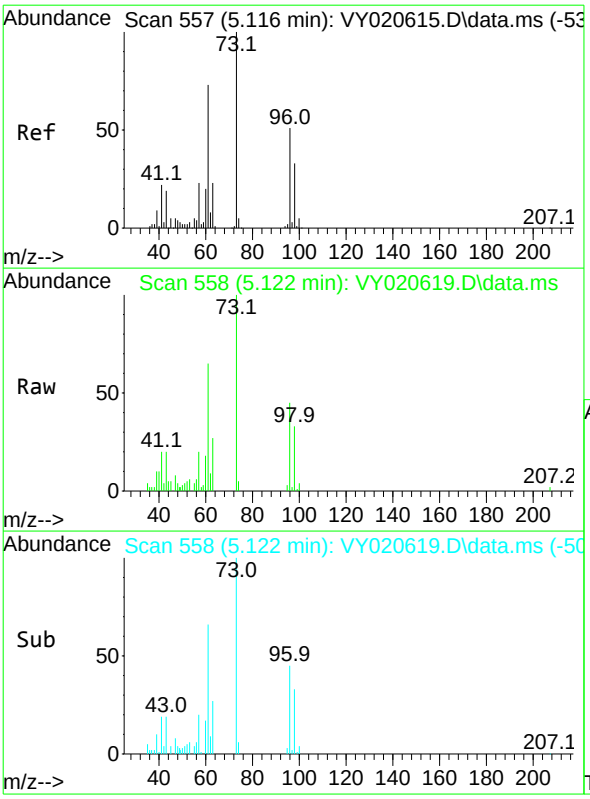


#18
Methyl Acetate
Concen: 5.070 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 43 Resp: 6311

Ion	Ratio	Lower	Upper
43	100		
74	22.8	19.2	28.8

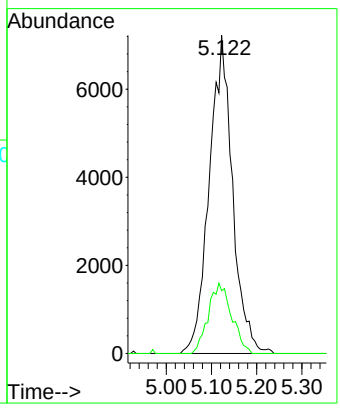




#19
Methyl tert-butyl Ether
Concen: 4.768 ug/l
RT: 5.122 min Scan# 55
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 73 Resp: 25765

Ion	Ratio	Lower	Upper
73	100		
57	19.7	18.5	27.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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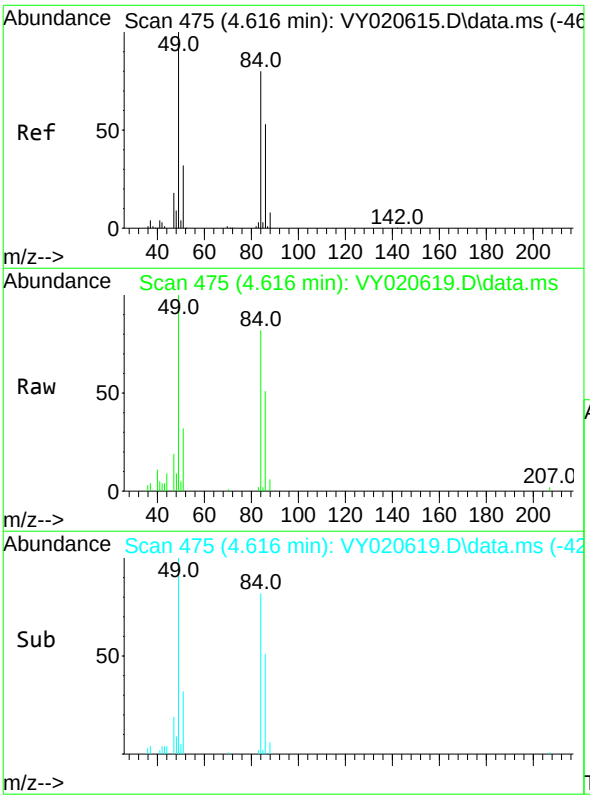
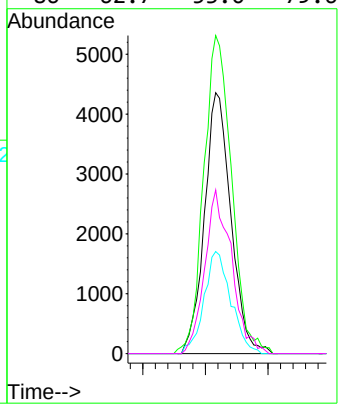
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

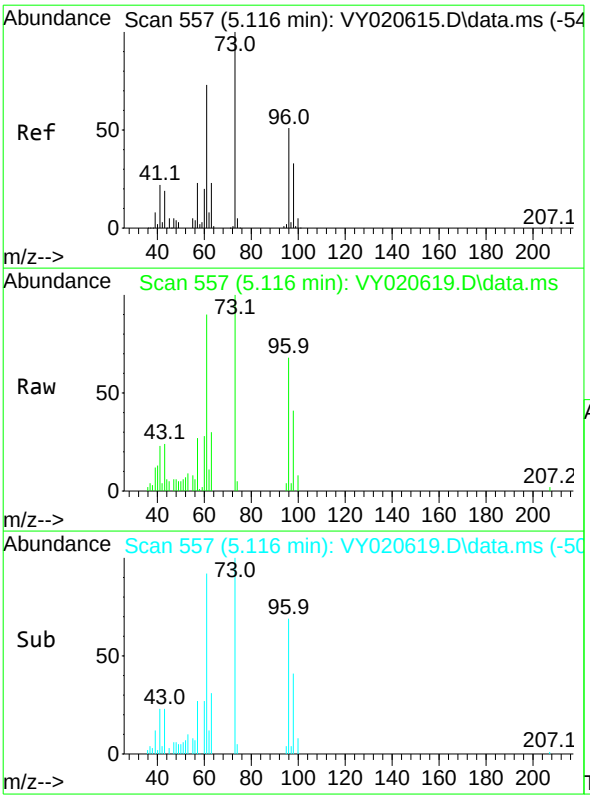


#20
Methylene Chloride
Concen: 5.624 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 84 Resp: 12792

Ion	Ratio	Lower	Upper
84	100		
49	121.9	100.7	151.1
51	39.1	32.2	48.2
86	62.7	53.0	79.6

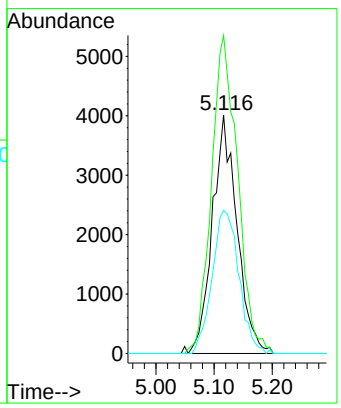




#21
trans-1,2-Dichloroethene
Concen: 5.030 ug/l
RT: 5.116 min Scan# 55
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 96 Resp: 11813

Ion	Ratio	Lower	Upper
96	100		
61	133.4	113.7	170.5
98	60.0	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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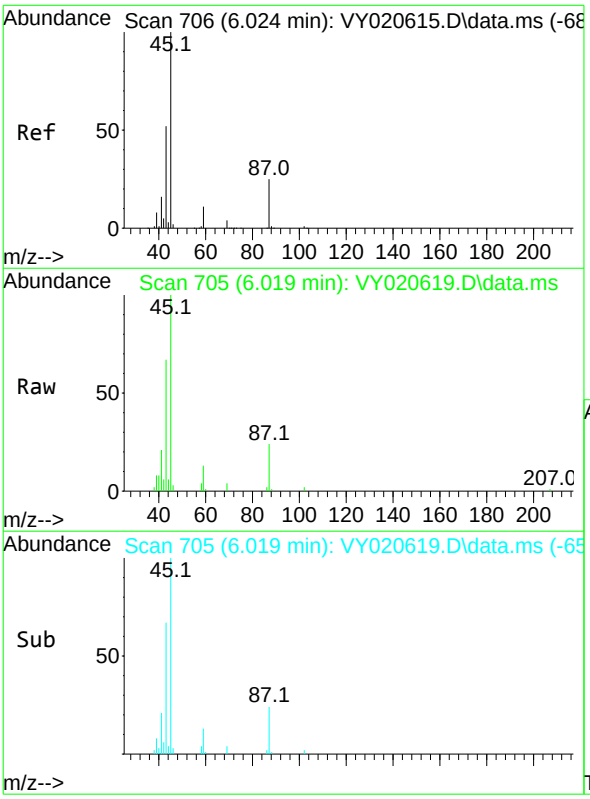
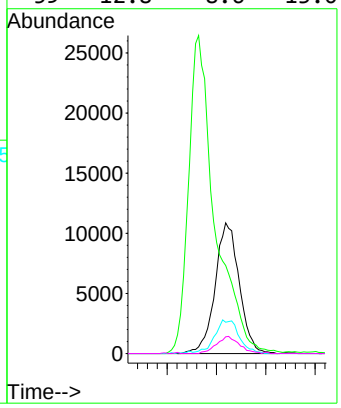
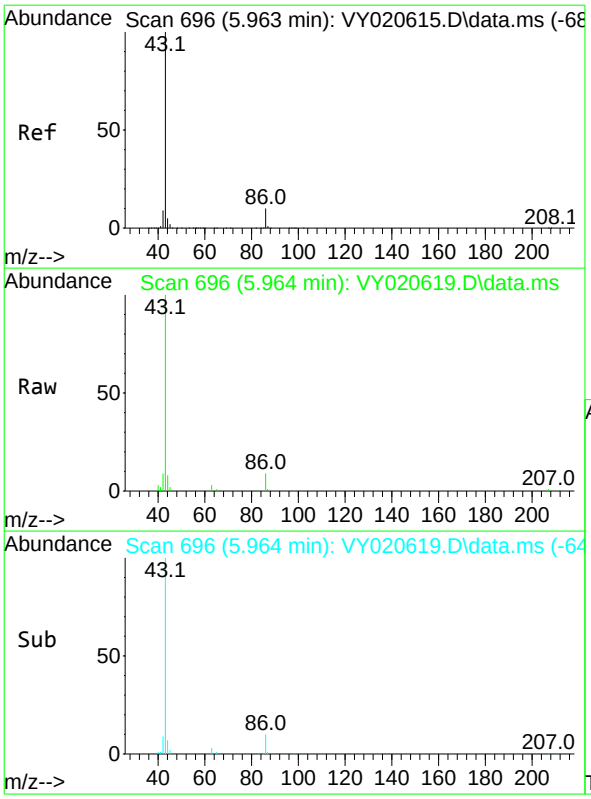


#22
Diisopropyl ether
Concen: 4.970 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 45 Resp: 37011

Ion	Ratio	Lower	Upper
45	100		
43	65.6	42.6	64.0#
87	24.0	20.6	31.0
59	12.8	8.6	13.0

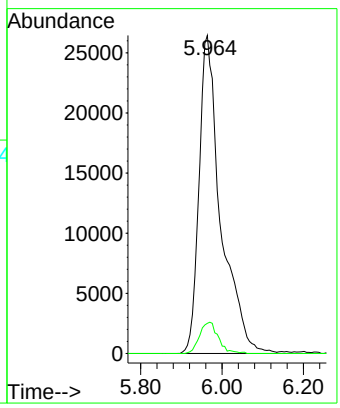




#23
Vinyl Acetate
Concen: 23.261 ug/l
RT: 5.964 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 43 Resp: 98112

Ion	Ratio	Lower	Upper
43	100		
86	9.5	8.1	12.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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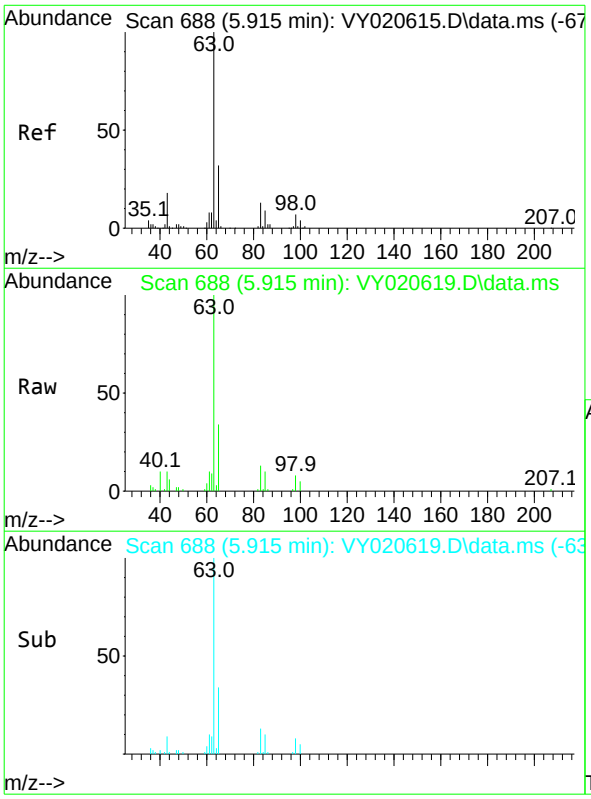
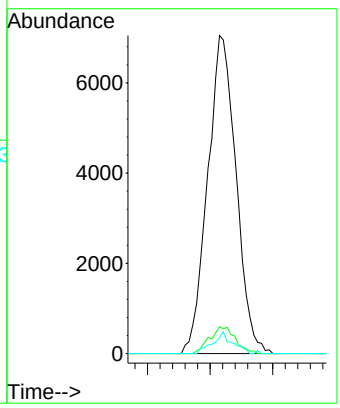
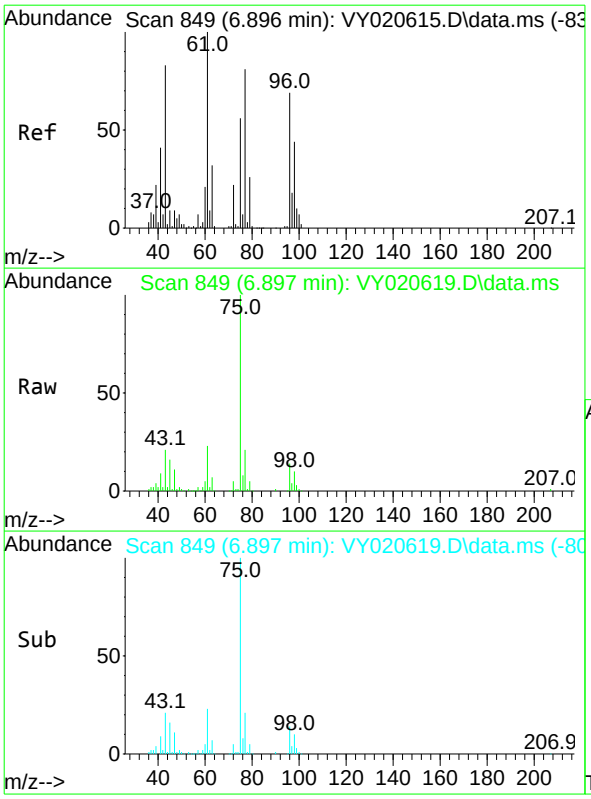


#24
1,1-Dichloroethane
Concen: 5.102 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 63 Resp: 22261

Ion	Ratio	Lower	Upper
63	100		
98	8.4	3.4	10.1
100	4.9	2.1	6.5





#25
2-Butanone
Concen: 27.972 ug/l
RT: 6.897 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 43 Resp: 19017

Ion	Ratio	Lower	Upper
43	100		
72	22.9	20.6	31.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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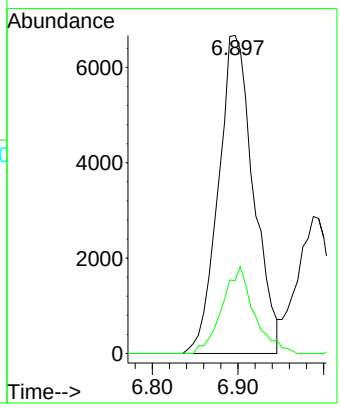
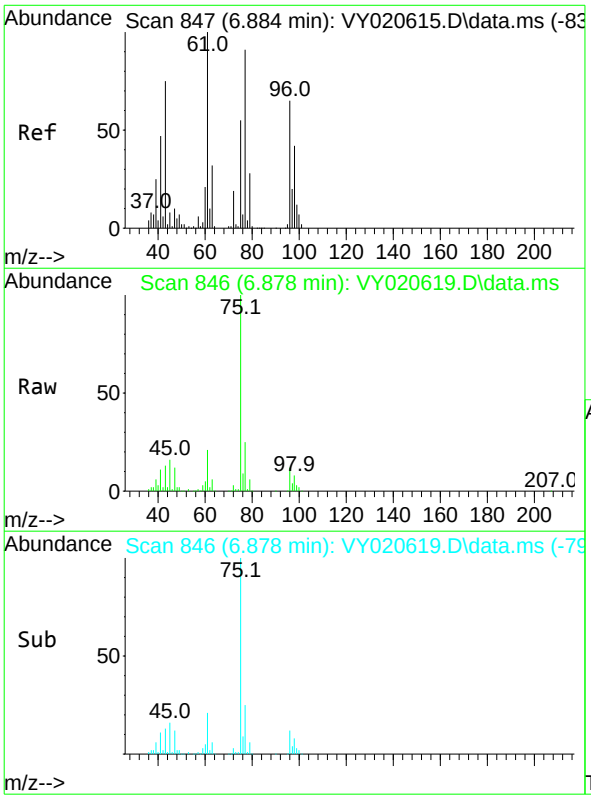
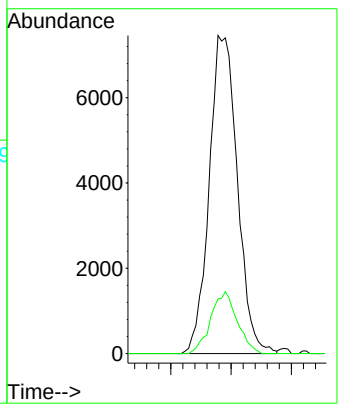


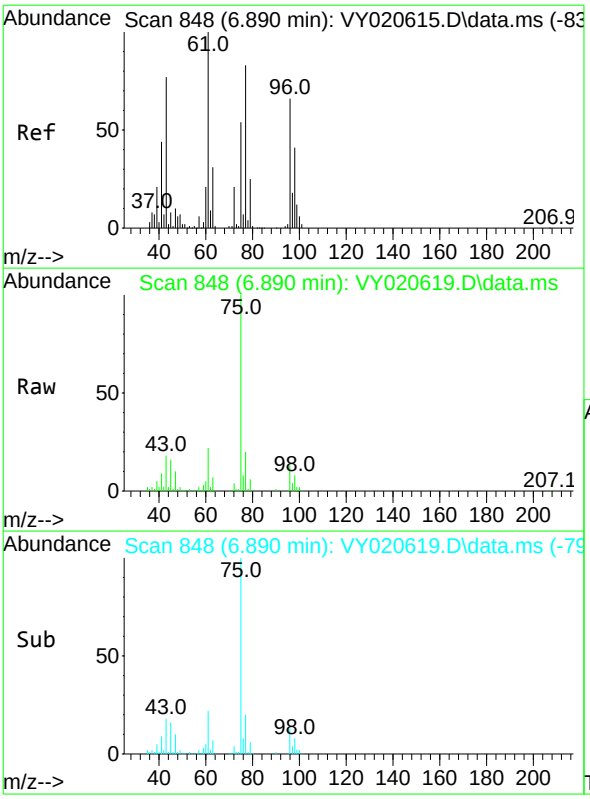


#26
2,2-Dichloropropane
Concen: 5.876 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 77 Resp: 24236

Ion	Ratio	Lower	Upper
77	100		
97	18.3	10.9	32.6

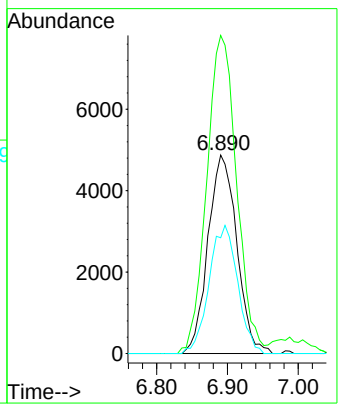




#27
cis-1,2-Dichloroethene
Concen: 5.109 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 96 Resp: 13806

Ion	Ratio	Lower	Upper
96	100		
61	165.8	0.0	306.2
98	64.0	0.0	127.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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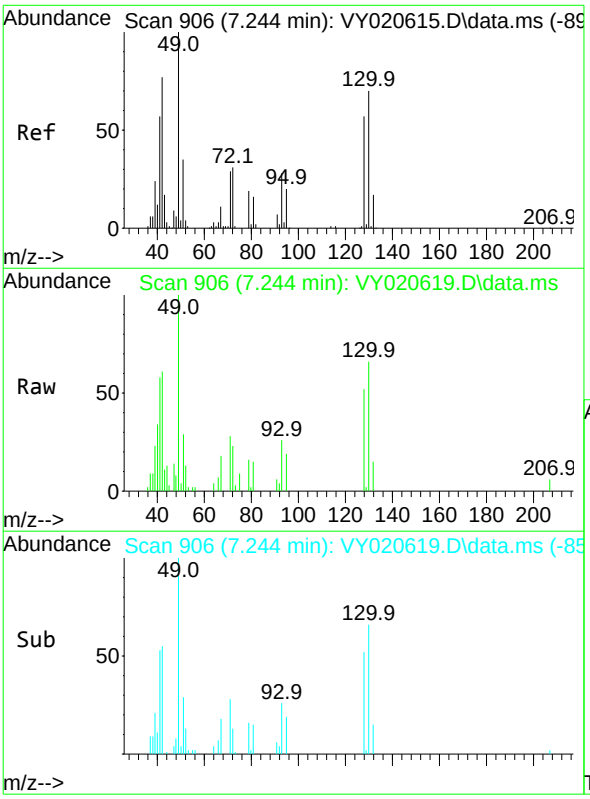
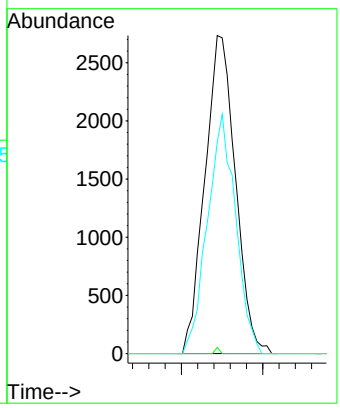
Supervised By :Semsettin Yesilyurt 12/18/2024

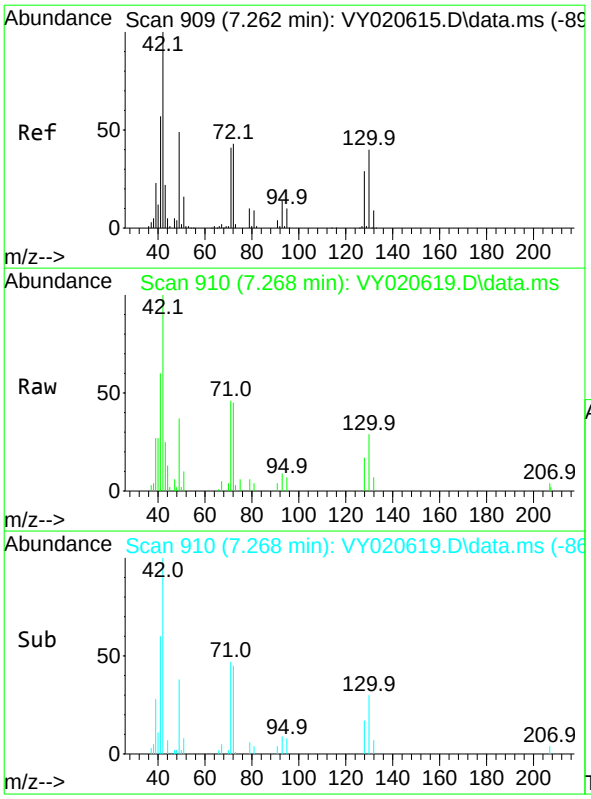


#28
Bromochloromethane
Concen: 4.844 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 49 Resp: 7129

Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	3.8
130	69.5	58.3	87.5

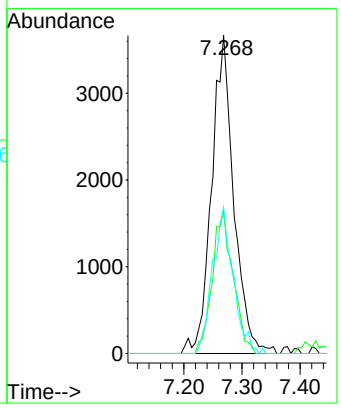




#29
Tetrahydrofuran
Concen: 22.669 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 42 Resp: 9729

Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.0	51.0
71	42.8	31.6	47.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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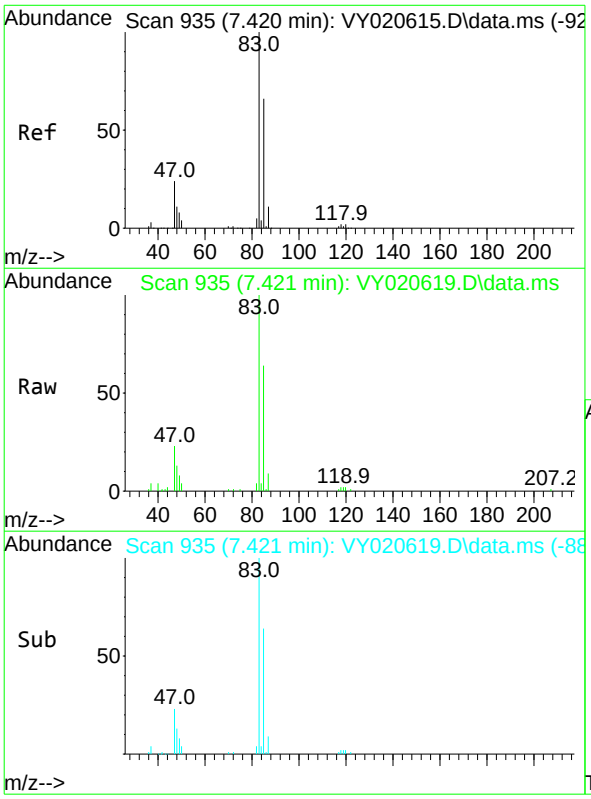
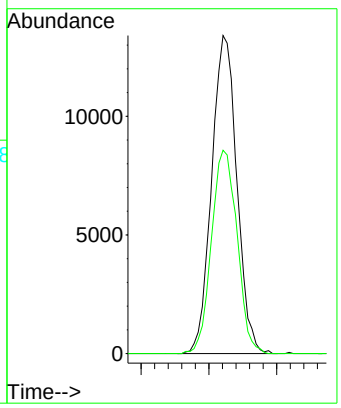
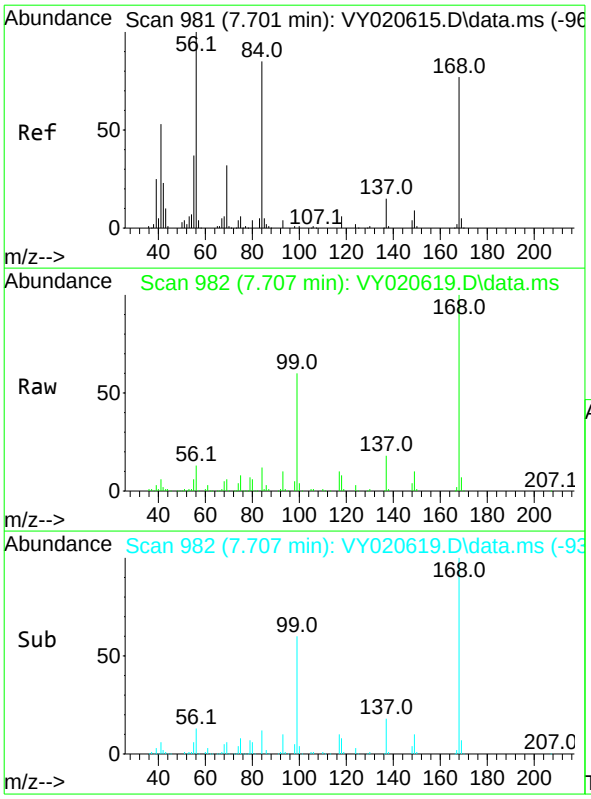


#30
Chloroform
Concen: 2.901 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.001 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 83 Resp: 34563

Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.7	79.1

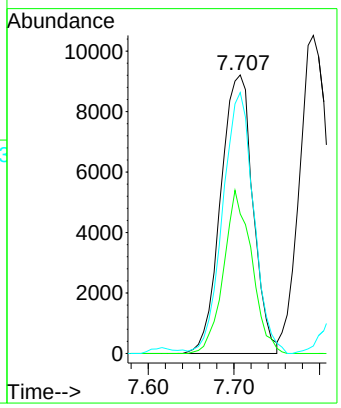




#31
Cyclohexane
Concen: 5.779 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 56 Resp: 24108

Ion	Ratio	Lower	Upper
56	100		
69	50.1	25.4	38.0#
84	92.6	68.3	102.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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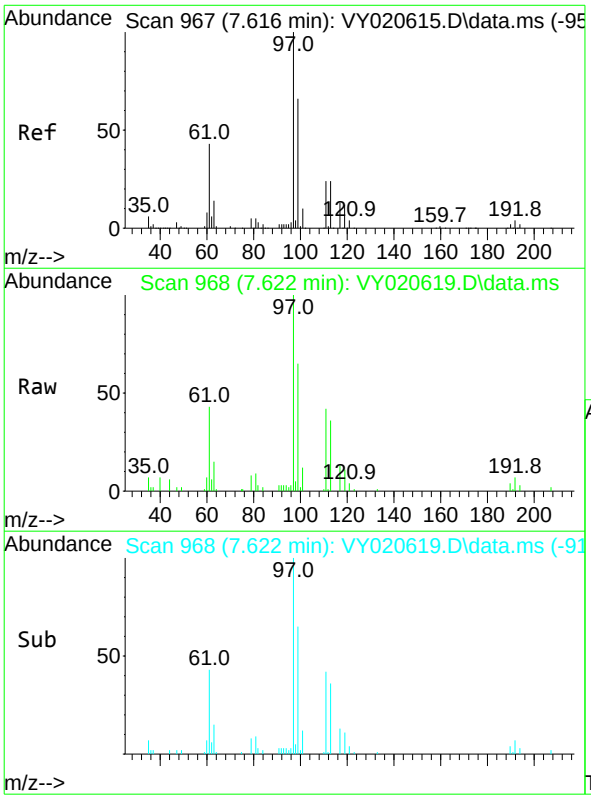
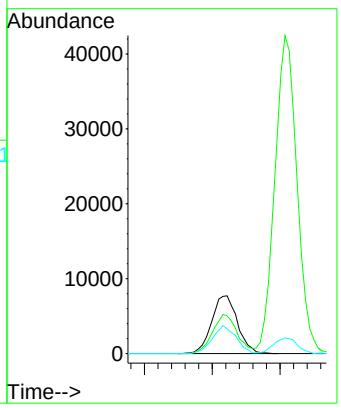
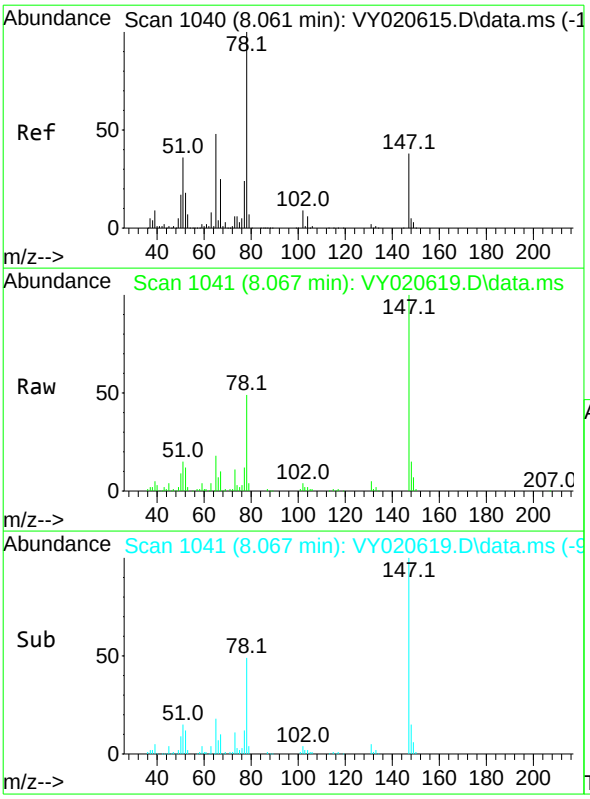


#32
1,1,1-Trichloroethane
Concen: 5.082 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 97 Resp: 20368

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	44.4	34.7	52.1





#33
1,2-Dichloroethane-d4
Concen: 5.810 ug/l
RT: 8.067 min Scan# 10
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 65 Resp: 10628

Ion	Ratio	Lower	Upper
65	100		
67	68.2	0.0	108.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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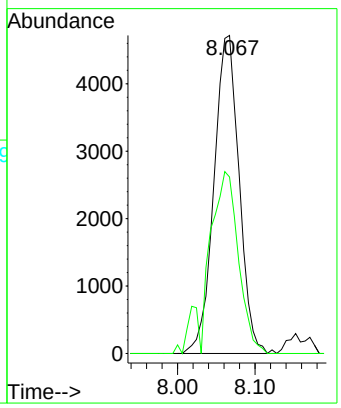
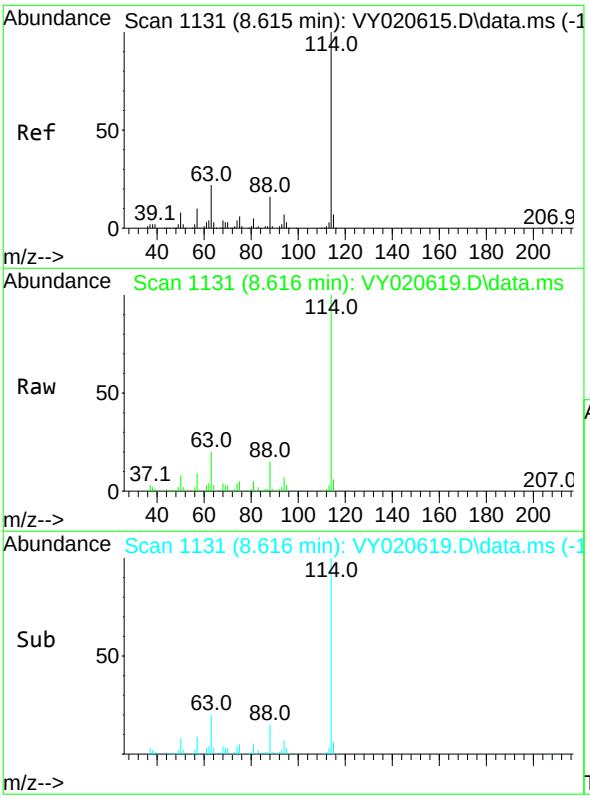
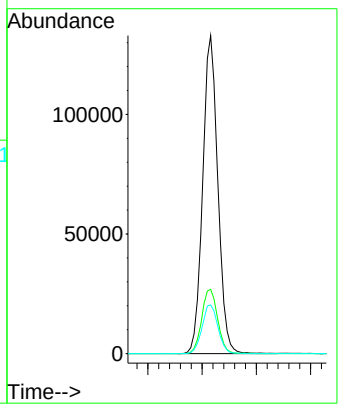


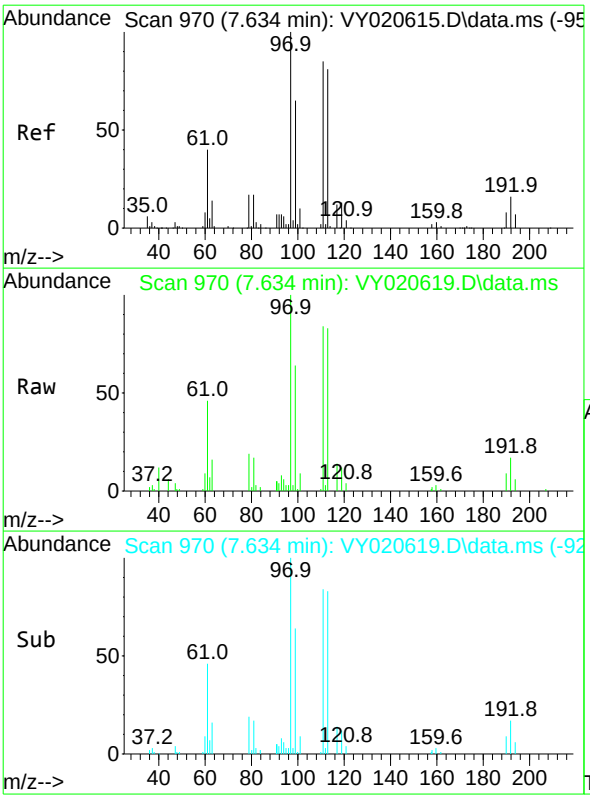


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:114 Resp: 257526

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	44.0
88	15.3	0.0	32.8





#35
Dibromofluoromethane
Concen: 5.726 ug/l
RT: 7.634 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:113 Resp: 10393

Ion	Ratio	Lower	Upper
113	100		
111	105.2	82.9	124.3
192	20.7	15.7	23.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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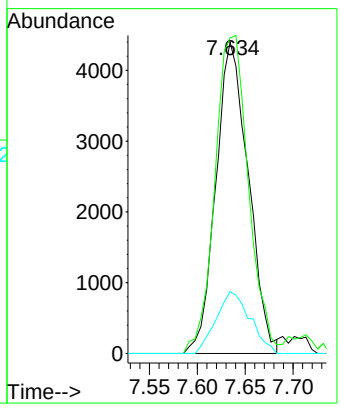
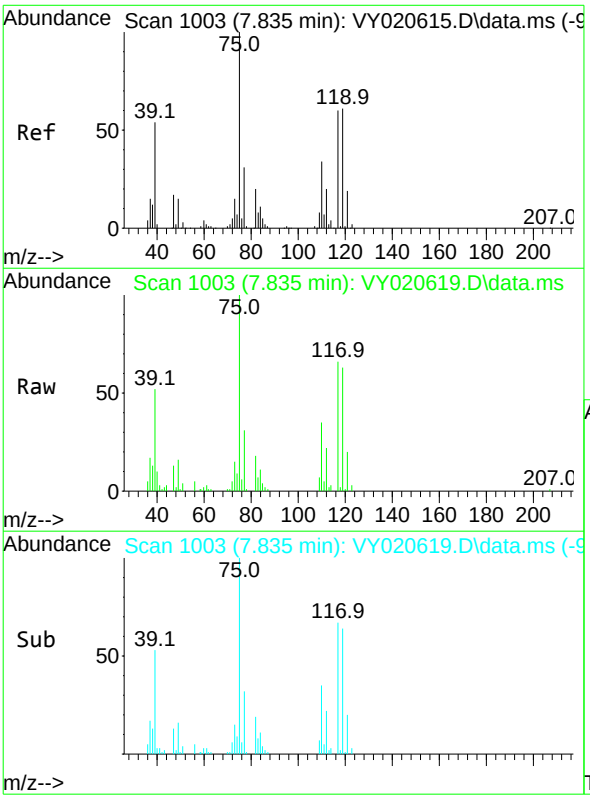
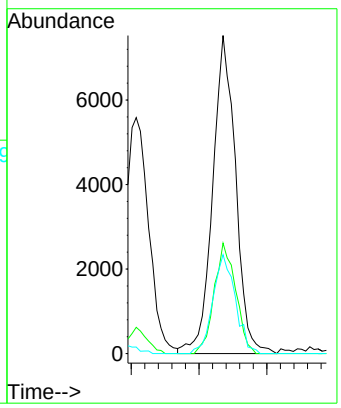


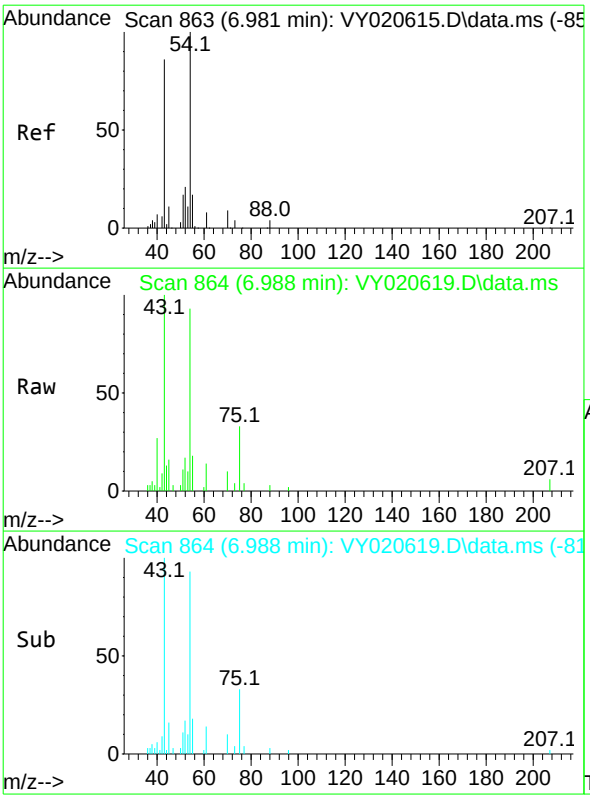


#36
1,1-Dichloropropene
Concen: 5.352 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 75 Resp: 17712

Ion	Ratio	Lower	Upper
75	100		
110	32.5	16.8	50.4
77	30.3	25.0	37.6

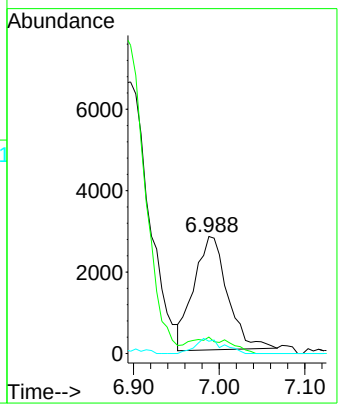




#37
Ethyl Acetate
Concen: 4.890 ug/l
RT: 6.988 min Scan# 86
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 43 Resp: 7613

Ion	Ratio	Lower	Upper
43	100		
61	16.0	11.0	16.4
70	10.7	7.9	11.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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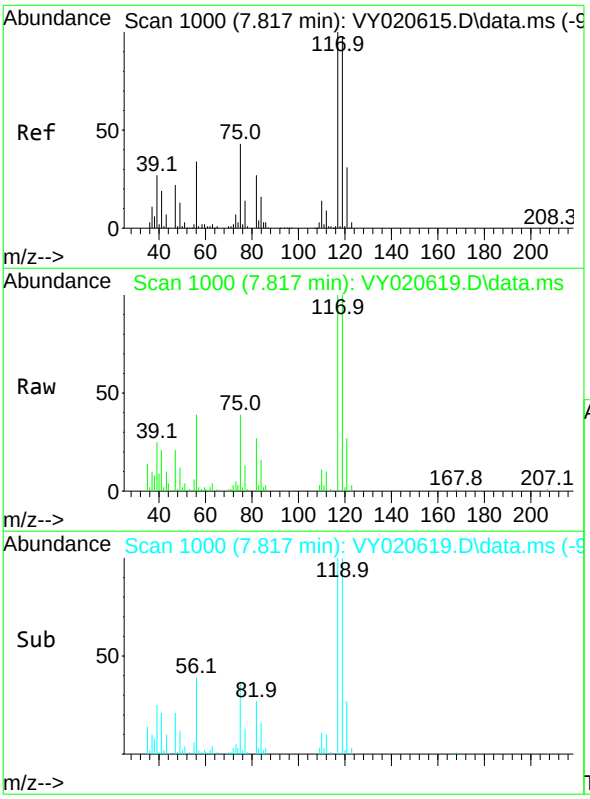
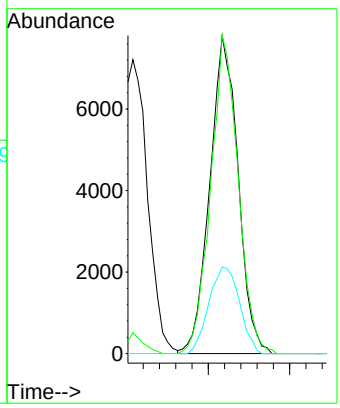
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

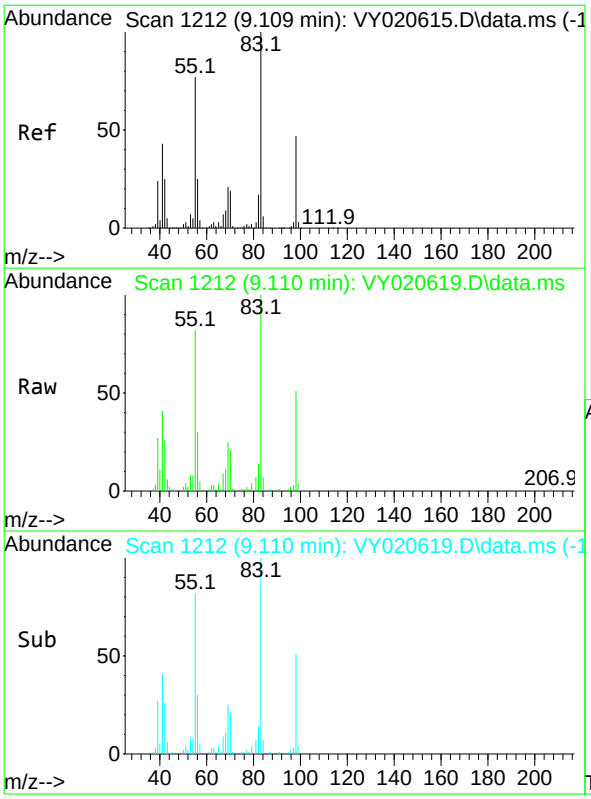


#38
Carbon Tetrachloride
Concen: 5.132 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:117 Resp: 18792

Ion	Ratio	Lower	Upper
117	100		
119	100.1	78.3	117.5
121	27.2	25.1	37.7

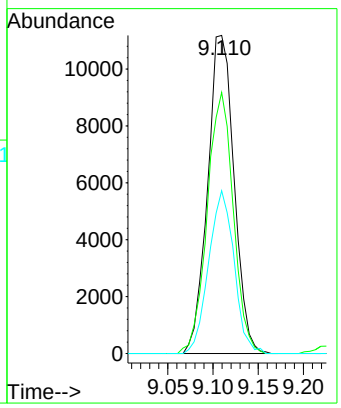




#39
Methylcyclohexane
Concen: 5.273 ug/l
RT: 9.110 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 83 Resp: 22745

Ion	Ratio	Lower	Upper
83	100		
55	82.1	61.4	92.0
98	51.2	37.3	55.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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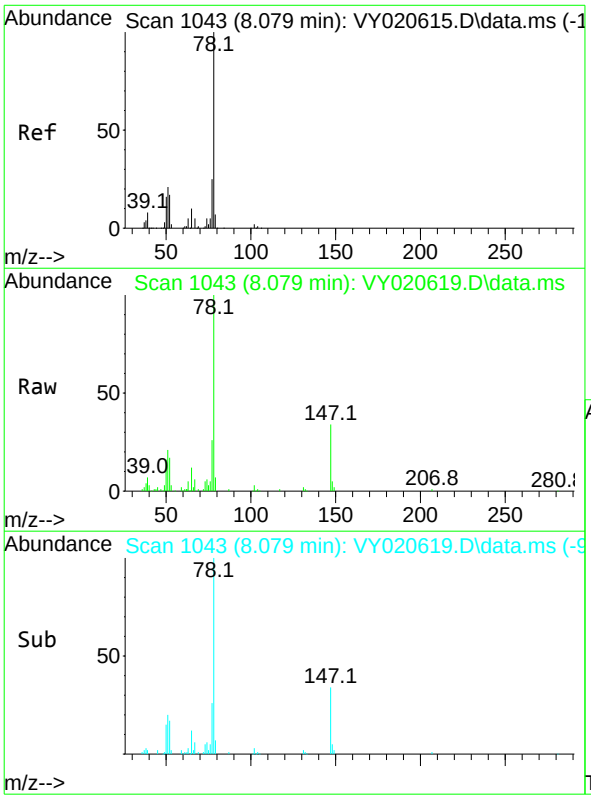
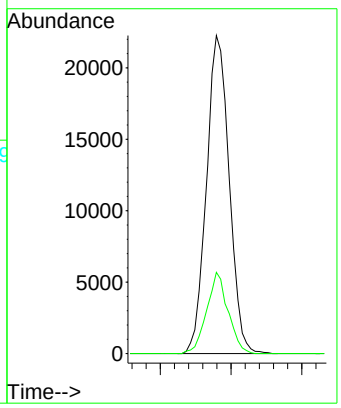
Supervised By :Semsettin Yesilyurt 12/18/2024

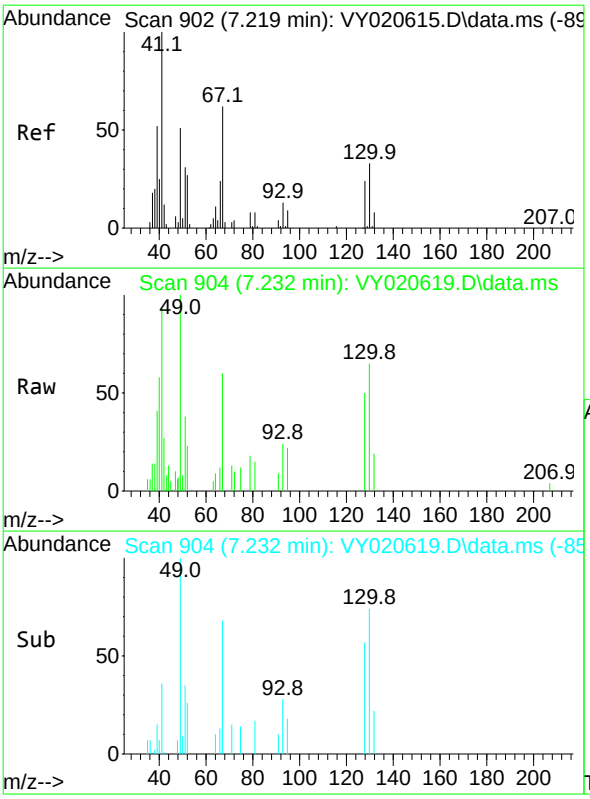


#40
Benzene
Concen: 5.117 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 78 Resp: 49636

Ion	Ratio	Lower	Upper
78	100		
77	25.6	20.1	30.1

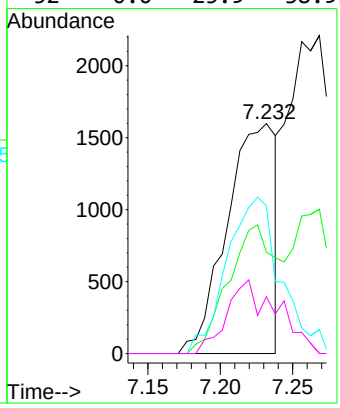




#41
Methacrylonitrile
Concen: 4.595 ug/l m
RT: 7.232 min Scan# 90
Delta R.T. 0.013 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 41 Resp: 3782

Ion	Ratio	Lower	Upper
41	100		
39	64.4	53.6	80.4
67	0.0	62.0	93.0#
52	0.0	25.9	38.9#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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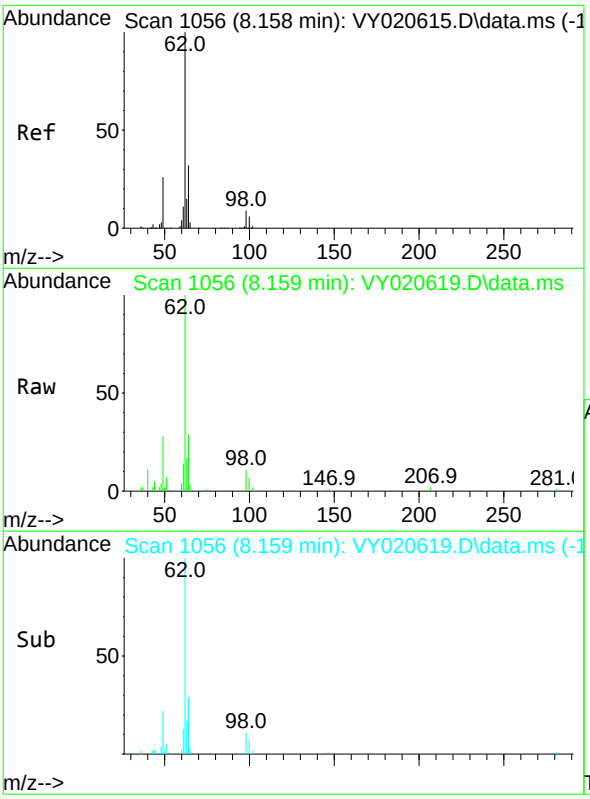
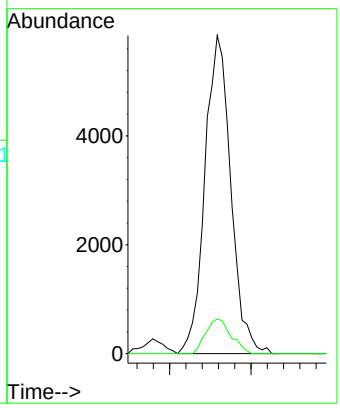
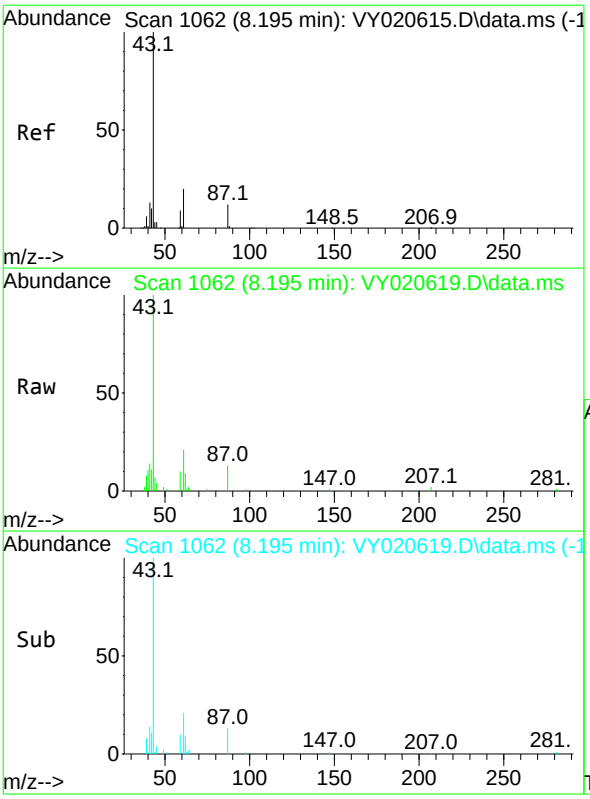


#42
1,2-Dichloroethane
Concen: 5.020 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 62 Resp: 12917

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	18.0

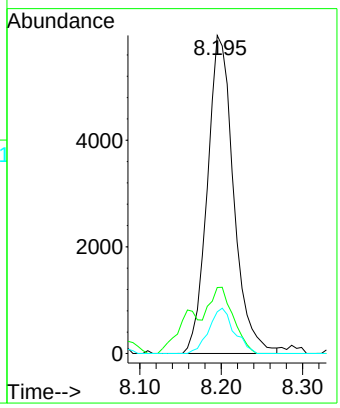




#43
Isopropyl Acetate
Concen: 4.533 ug/l
RT: 8.195 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 43 Resp: 13361

Ion	Ratio	Lower	Upper
43	100		
61	19.4	23.8	35.6#
87	13.6	10.2	15.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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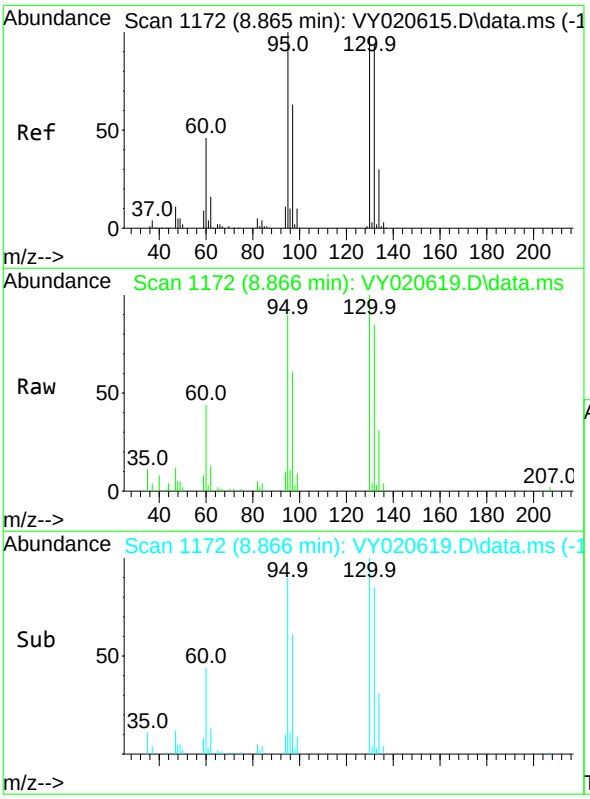
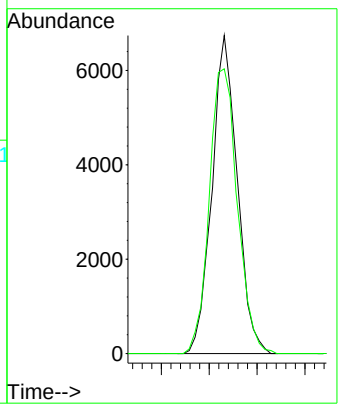
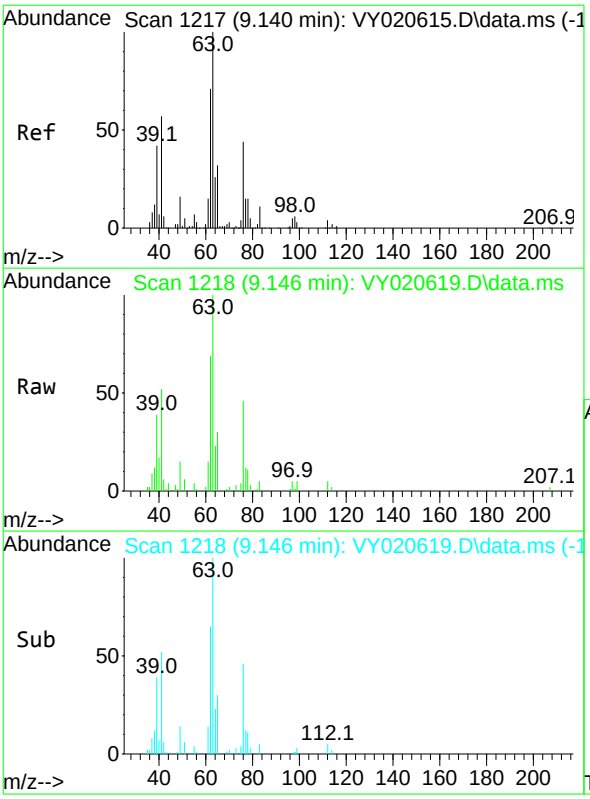


#44
Trichloroethene
Concen: 5.195 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:130 Resp: 12384

Ion	Ratio	Lower	Upper
130	100		
95	89.5	0.0	203.2

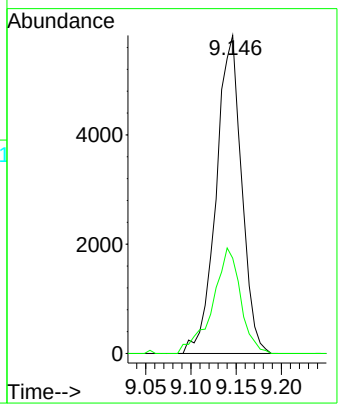




#45
1,2-Dichloropropane
Concen: 5.019 ug/l
RT: 9.146 min Scan# 12
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 63 Resp: 11378

Ion	Ratio	Lower	Upper
63	100		
65	30.0	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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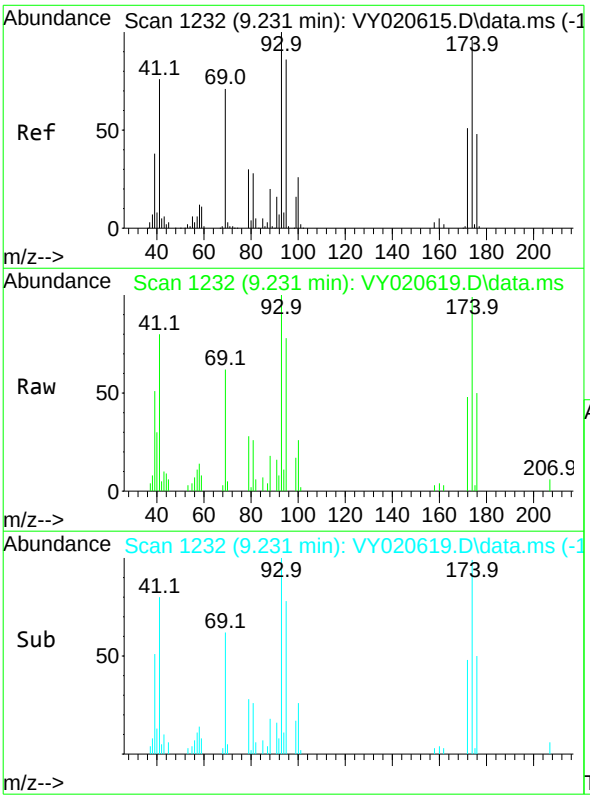
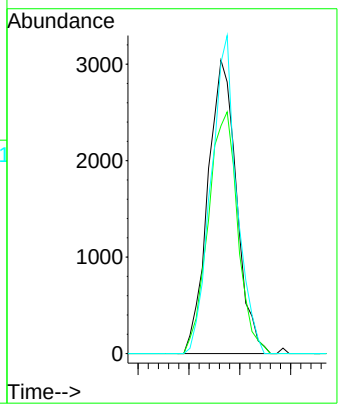
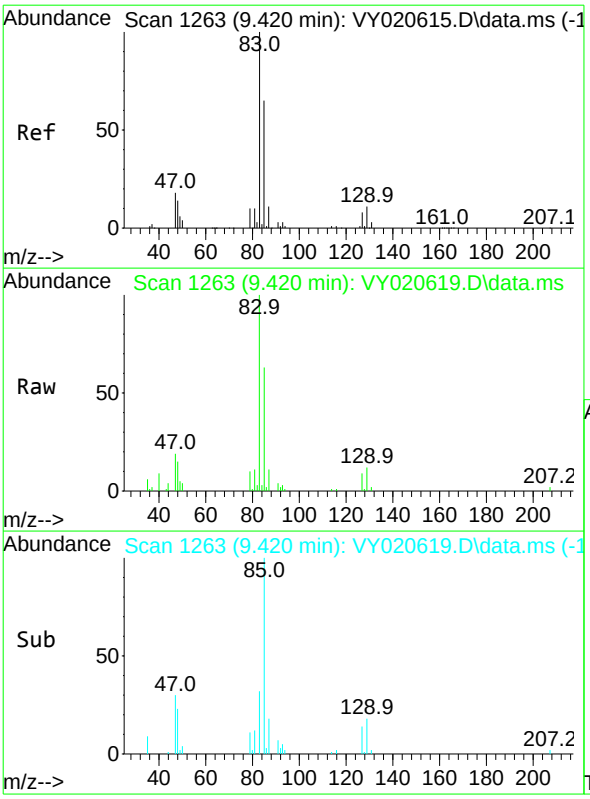


#46
Dibromomethane
Concen: 4.978 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 93 Resp: 5965

Ion	Ratio	Lower	Upper
93	100		
95	84.5	66.7	100.1
174	97.0	77.8	116.6

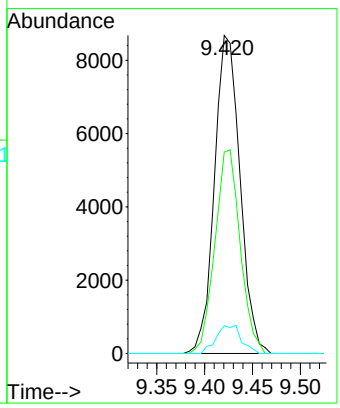




#47
Bromodichloromethane
Concen: 4.979 ug/l
RT: 9.420 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 83 Resp: 16115

Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.1	78.1
127	8.7	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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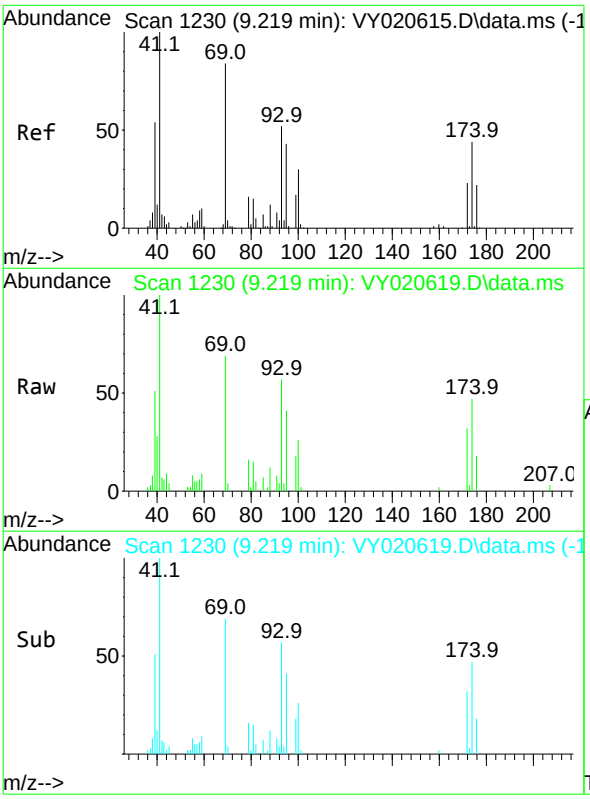
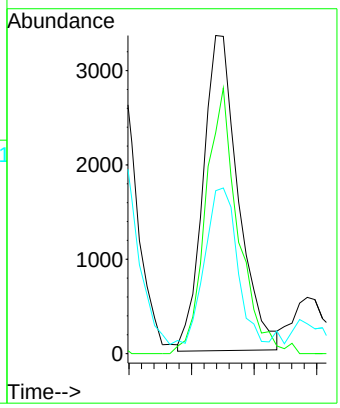
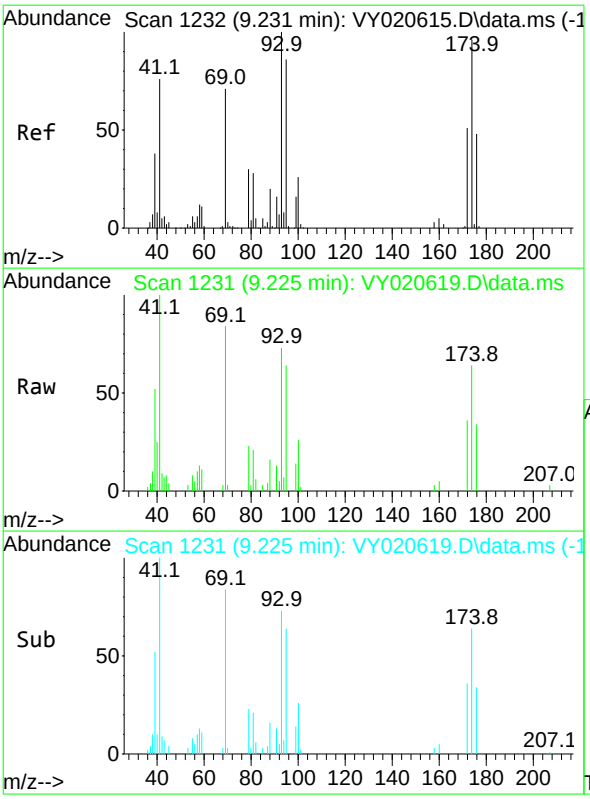


#48
Methyl methacrylate
Concen: 4.671 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 41 Resp: 6545

Ion	Ratio	Lower	Upper
41	100		
69	77.6	67.2	100.8
39	47.3	42.2	63.4





#49
1,4-Dioxane
Concen: 92.278 ug/l
RT: 9.225 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 88 Resp: 1268

Ion	Ratio	Lower	Upper
88	100		
43	51.4	27.6	41.4#
58	66.2	61.7	92.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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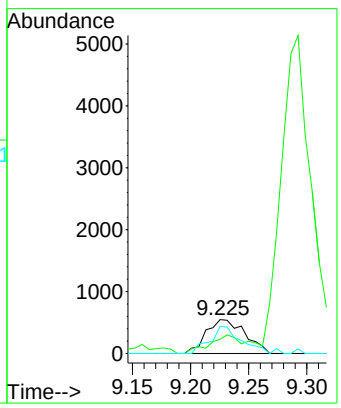
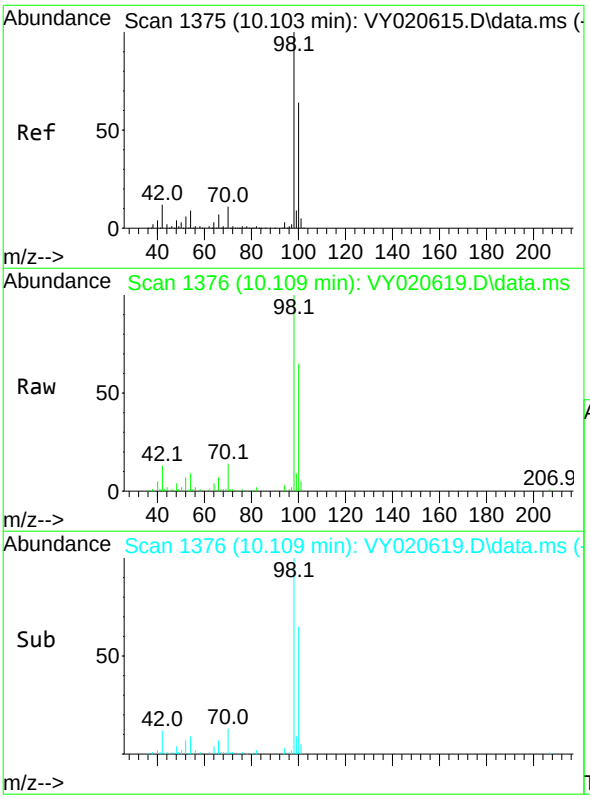
Supervised By :Semsettin Yesilyurt 12/18/2024

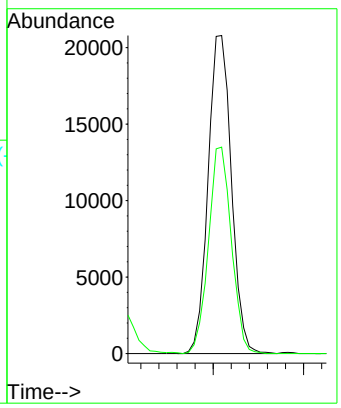


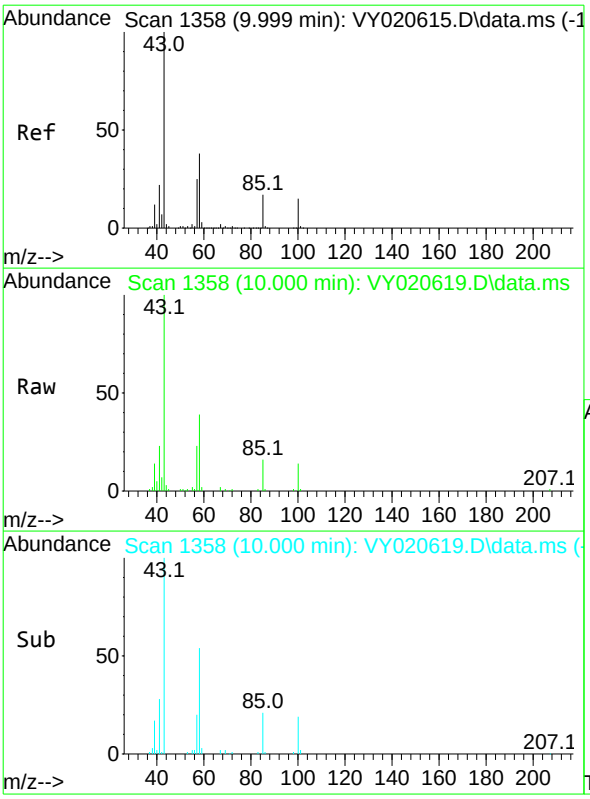


#50
Toluene-d8
Concen: 5.858 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 98 Resp: 37211

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 24.607 ug/l
RT: 10.000 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 43 Resp: 38280

Ion	Ratio	Lower	Upper
43	100		
58	38.3	31.4	47.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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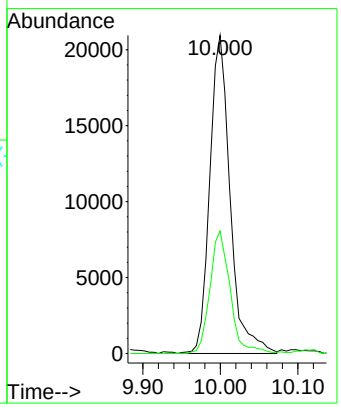
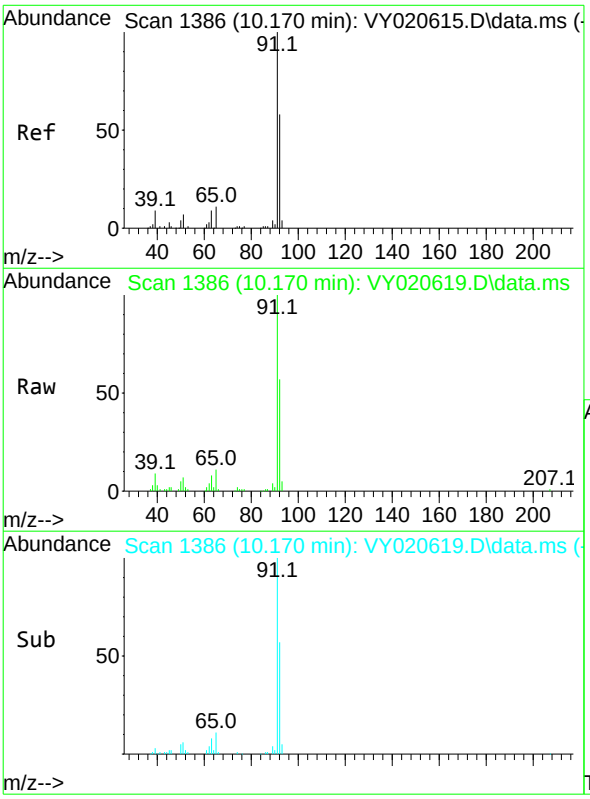
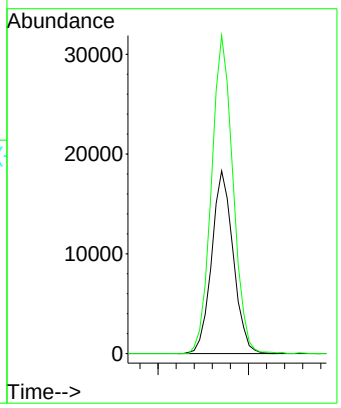


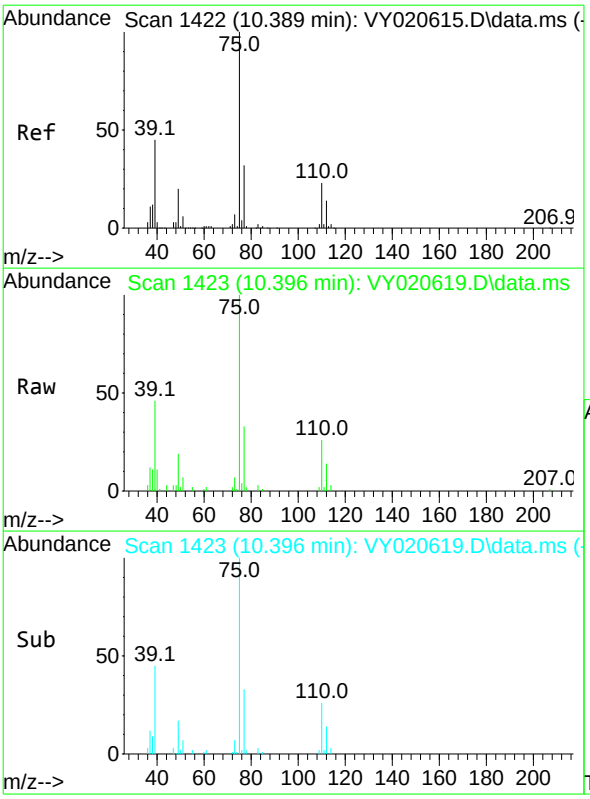


#52
Toluene
Concen: 5.025 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 92 Resp: 30294

Ion	Ratio	Lower	Upper
92	100		
91	174.2	137.4	206.0

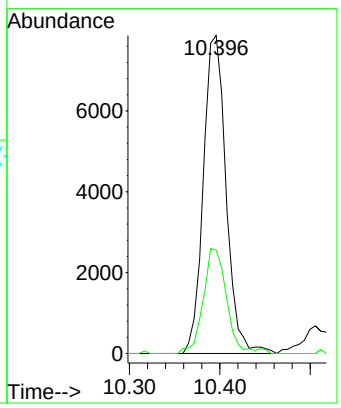




#53
t-1,3-Dichloropropene
Concen: 4.558 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 75 Resp: 13747

Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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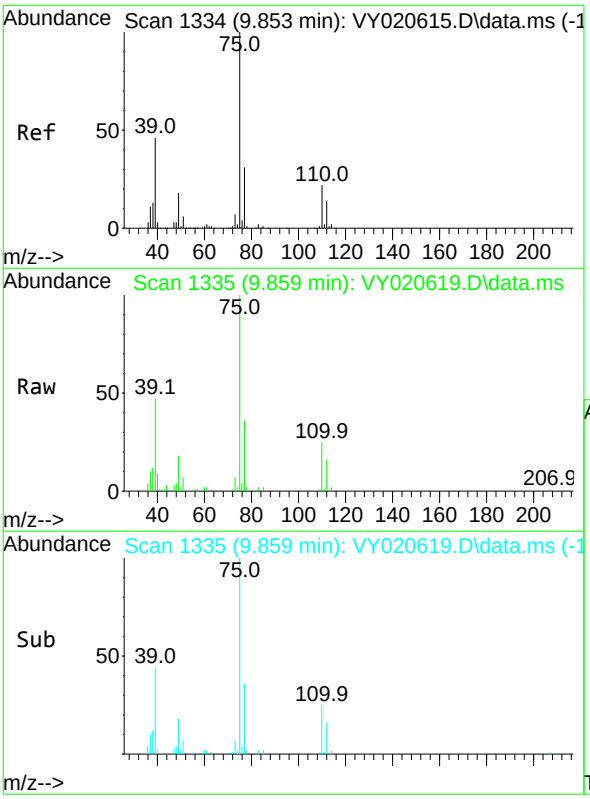
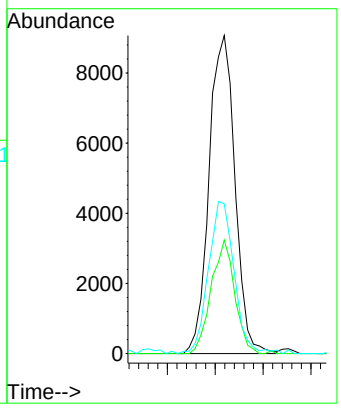
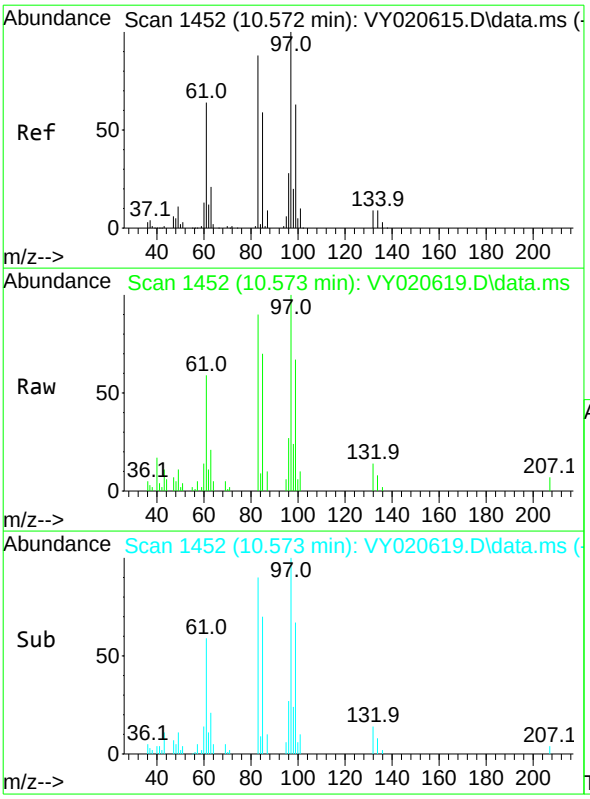


#54
cis-1,3-Dichloropropene
Concen: 4.764 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 75 Resp: 17025

Ion	Ratio	Lower	Upper
75	100		
77	35.7	24.6	36.8
39	47.1	36.4	54.6

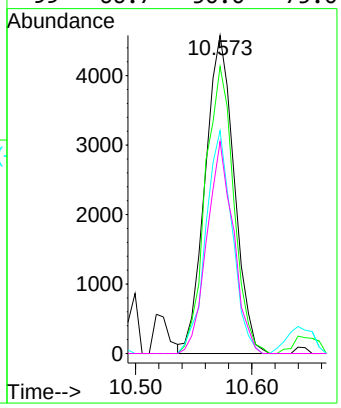




#55
1,1,2-Trichloroethane
Concen: 5.009 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 97 Resp: 7935

Ion	Ratio	Lower	Upper
97	100		
83	90.2	70.4	105.6
85	70.1	47.2	70.8
99	66.7	50.0	75.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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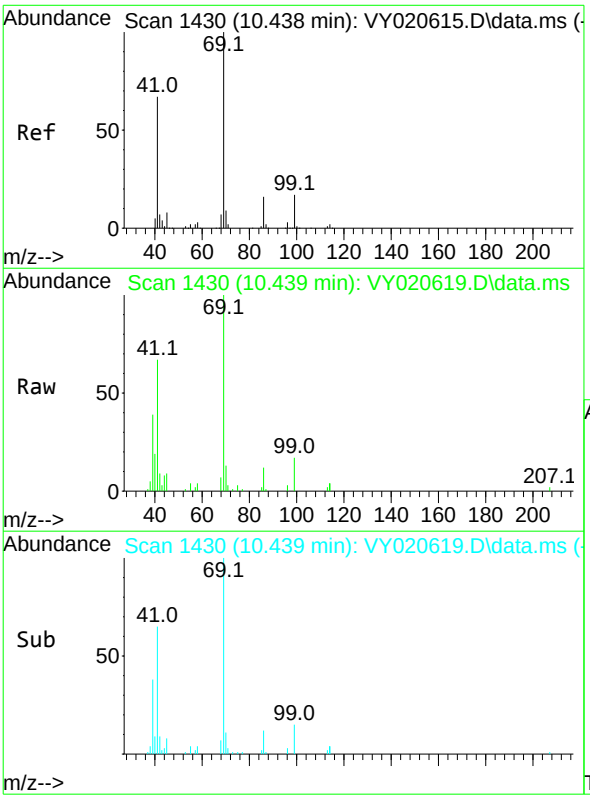
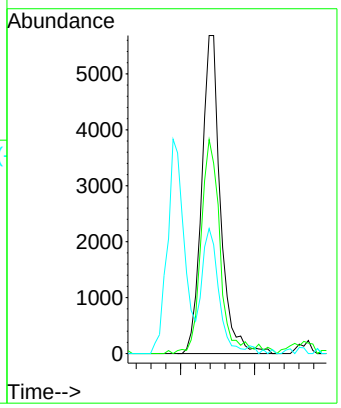
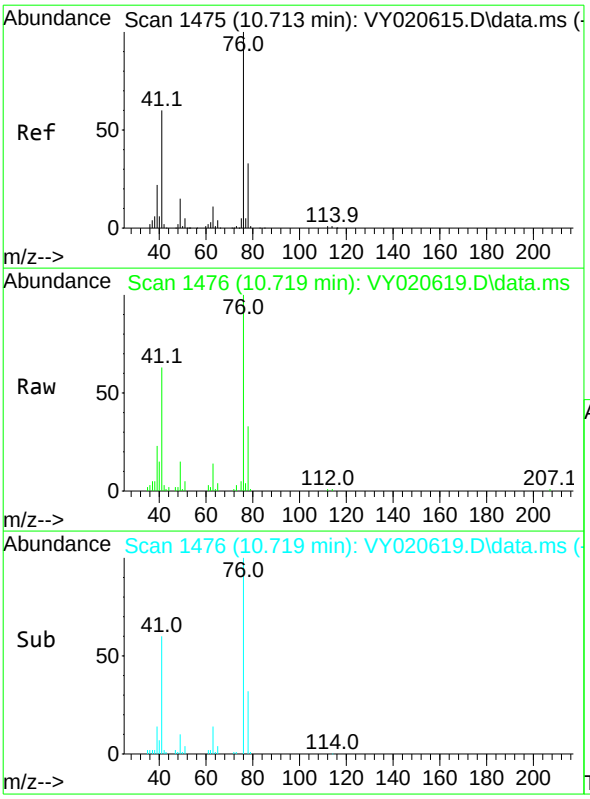


#56
Ethyl methacrylate
Concen: 4.351 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 69 Resp: 10000

Ion	Ratio	Lower	Upper
69	100		
41	67.9	54.0	81.0
39	32.8	27.9	41.9

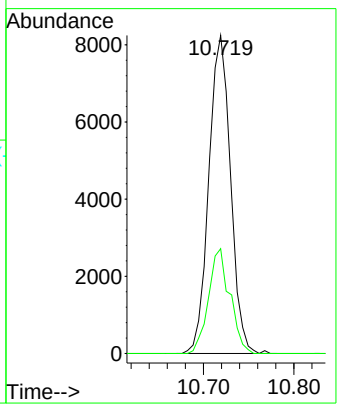




#57
1,3-Dichloropropane
Concen: 4.870 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 76 Resp: 13754

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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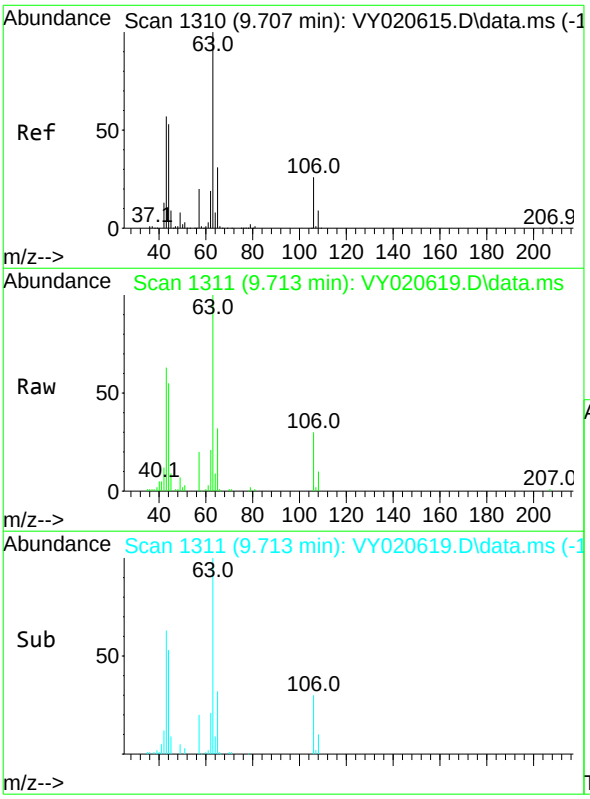
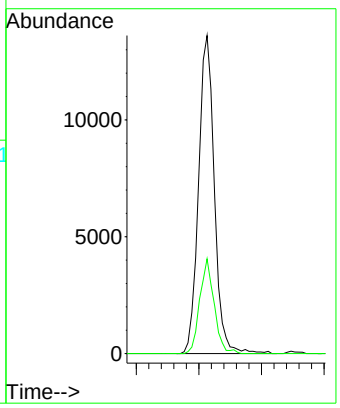
Supervised By :Semsettin Yesilyurt 12/18/2024

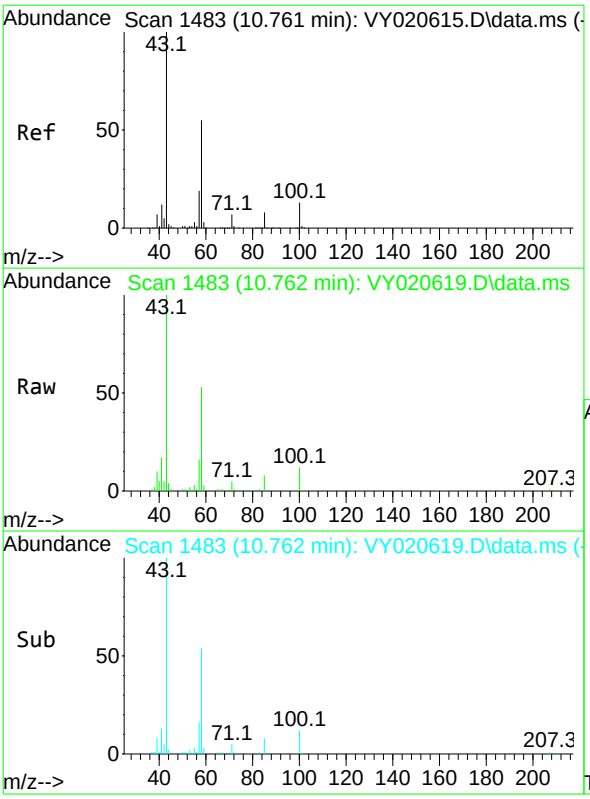


#58
2-Chloroethyl Vinyl ether
Concen: 24.686 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 63 Resp: 23872

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.5	32.3





#59
2-Hexanone
Concen: 23.192 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 43 Resp: 23164

Ion	Ratio	Lower	Upper
43	100		
58	53.5	27.2	81.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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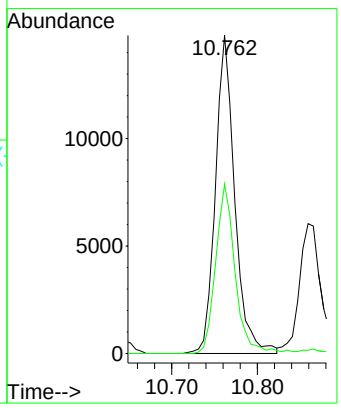
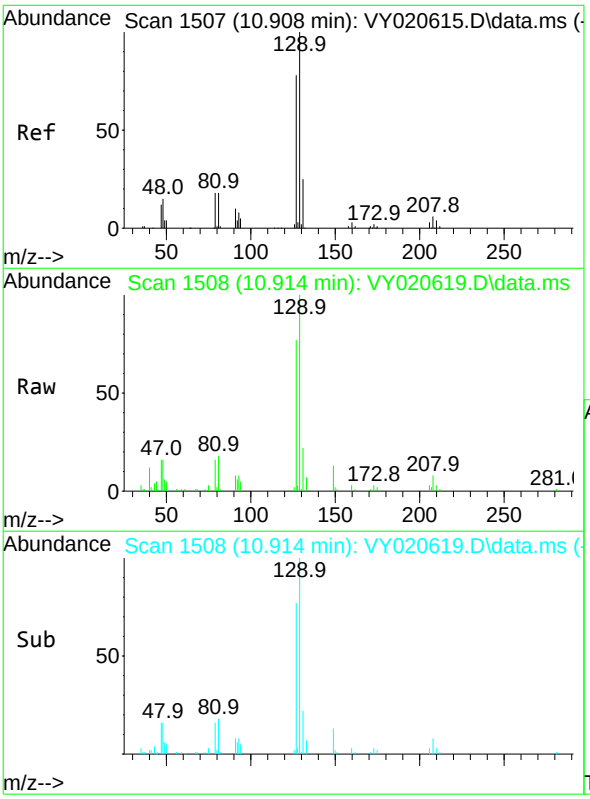
Supervised By :Semsettin Yesilyurt 12/18/2024

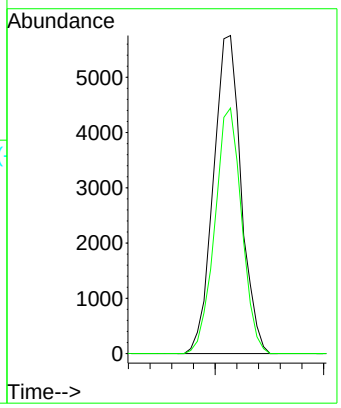


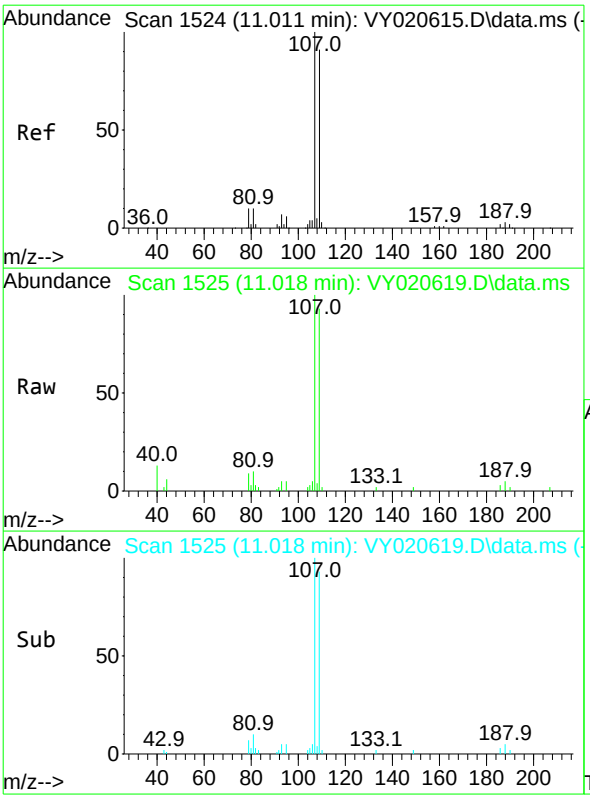


#60
Dibromochloromethane
Concen: 4.818 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:129 Resp: 10207

Ion	Ratio	Lower	Upper
129	100		
127	74.9	38.1	114.3





#61
1,2-Dibromoethane
Concen: 4.847 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:107 Resp: 7143

Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.4	113.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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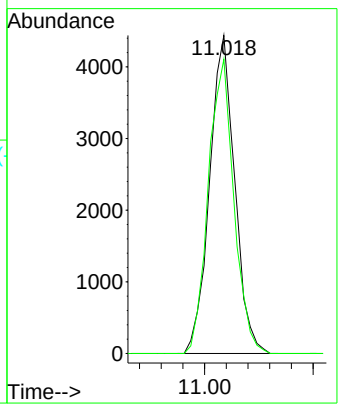
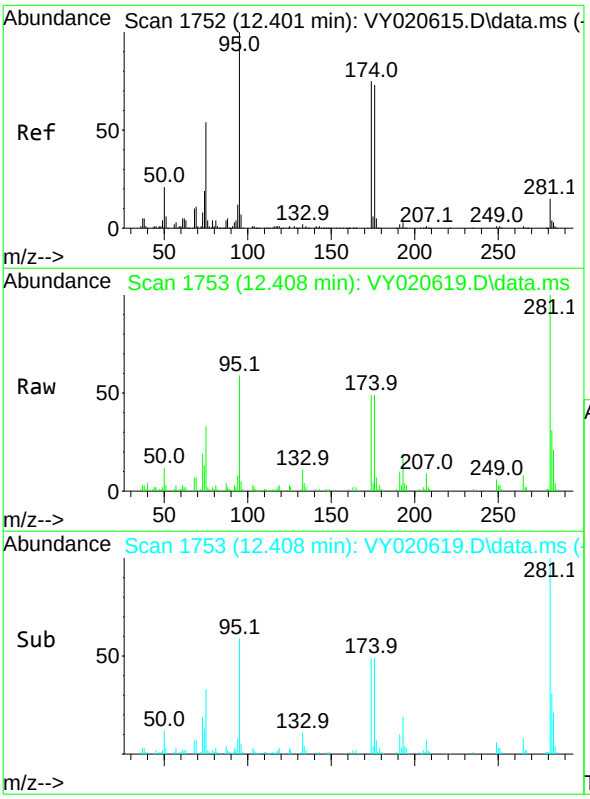
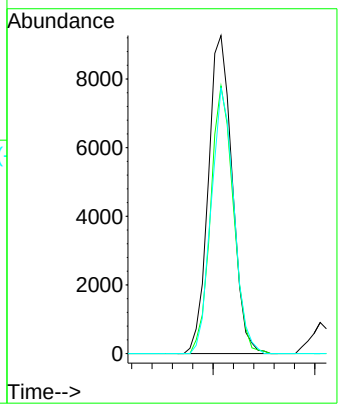


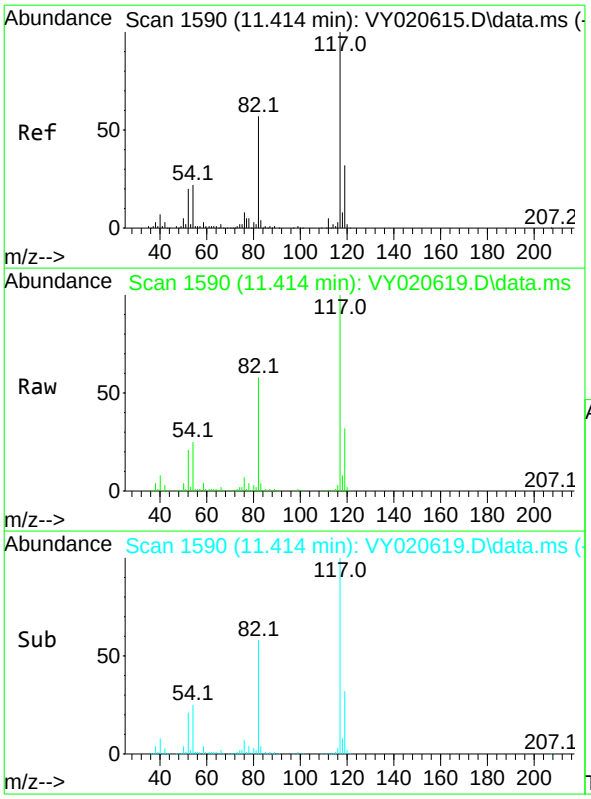


#62
4-Bromofluorobenzene
Concen: 6.066 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 95 Resp: 15073

Ion	Ratio	Lower	Upper
95	100		
174	80.0	0.0	161.8
176	79.5	0.0	156.6

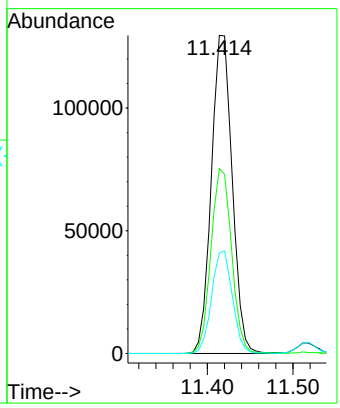




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:117 Resp: 219786

Ion	Ratio	Lower	Upper
117	100		
82	58.1	45.8	68.6
119	31.6	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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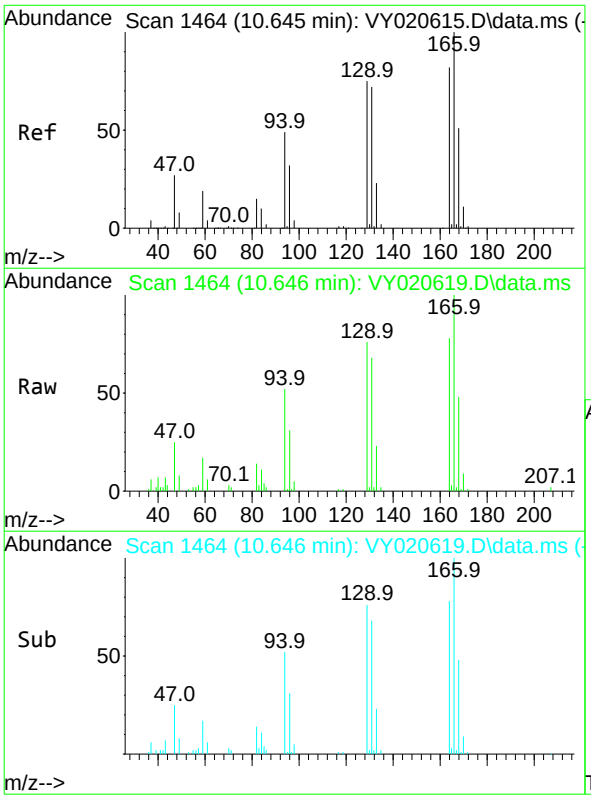
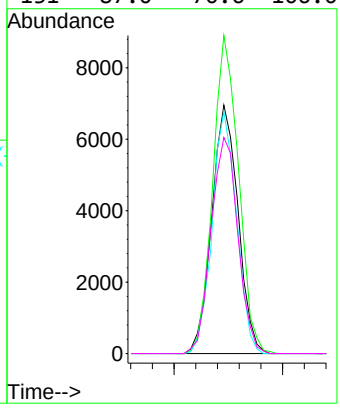
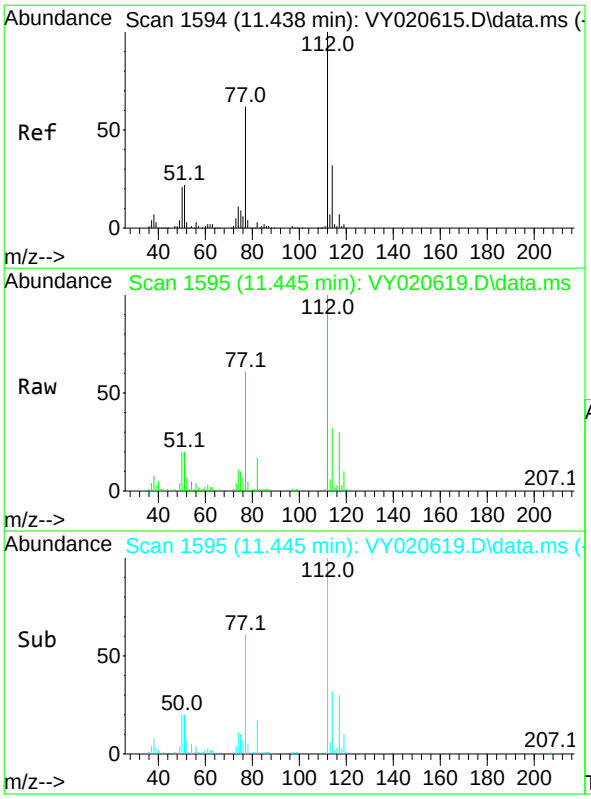


#64
Tetrachloroethene
Concen: 5.663 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:164 Resp: 11707

Ion	Ratio	Lower	Upper
164	100		
166	128.0	97.9	146.9
129	97.3	73.4	110.0
131	87.0	70.6	106.0

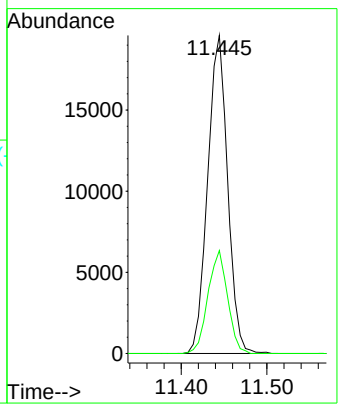




#65
Chlorobenzene
Concen: 5.154 ug/l
RT: 11.445 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:112 Resp: 31674

Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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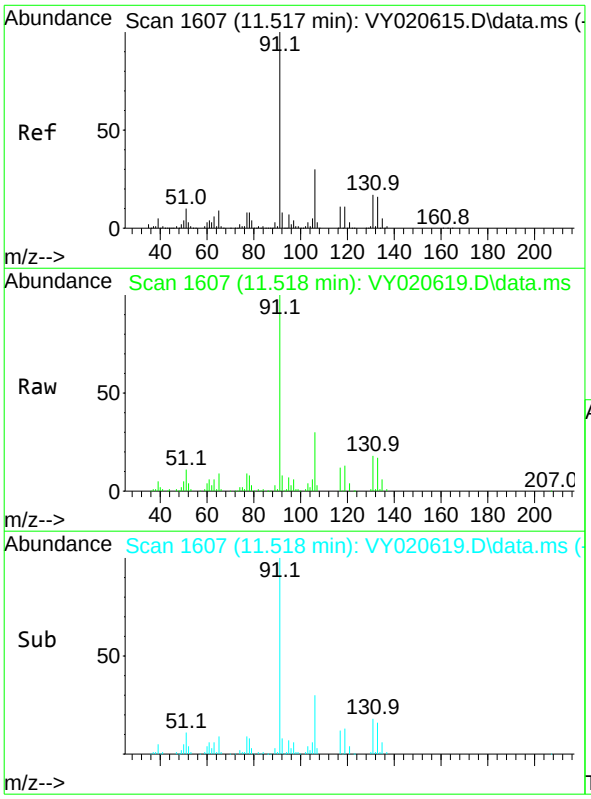
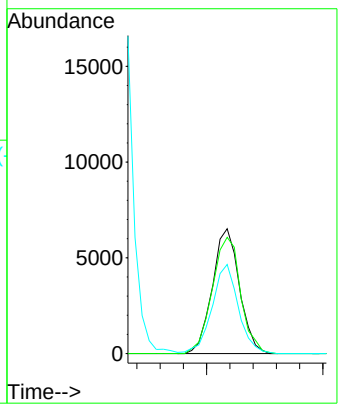
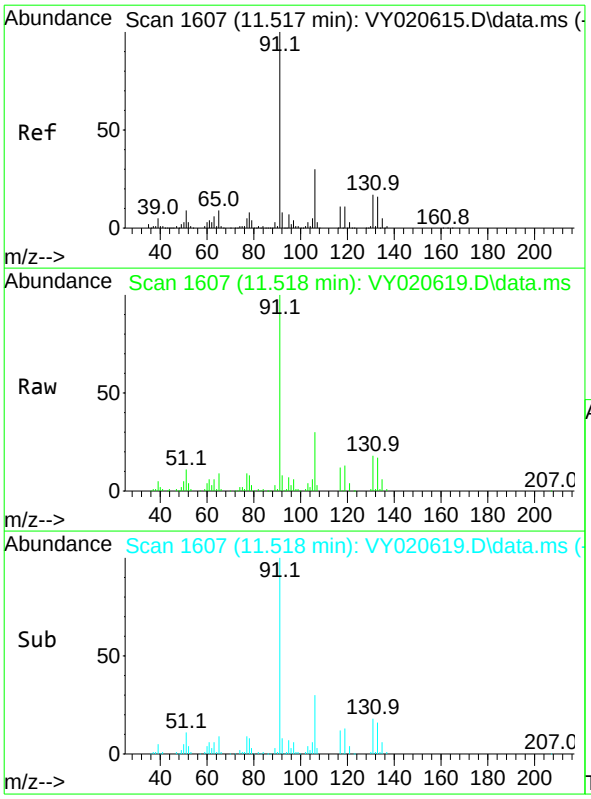


#66
1,1,1,2-Tetrachloroethane
Concen: 5.009 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:131 Resp: 10526

Ion	Ratio	Lower	Upper
131	100		
133	97.9	46.8	140.3
119	69.6	31.8	95.3

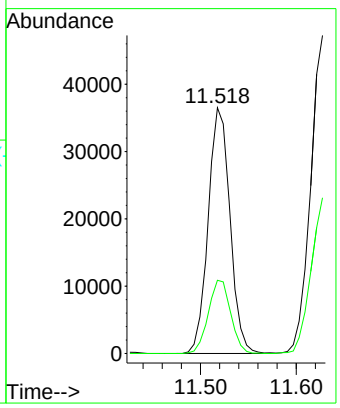




#67
Ethyl Benzene
Concen: 5.103 ug/l
RT: 11.518 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 91 Resp: 57861

Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.9	35.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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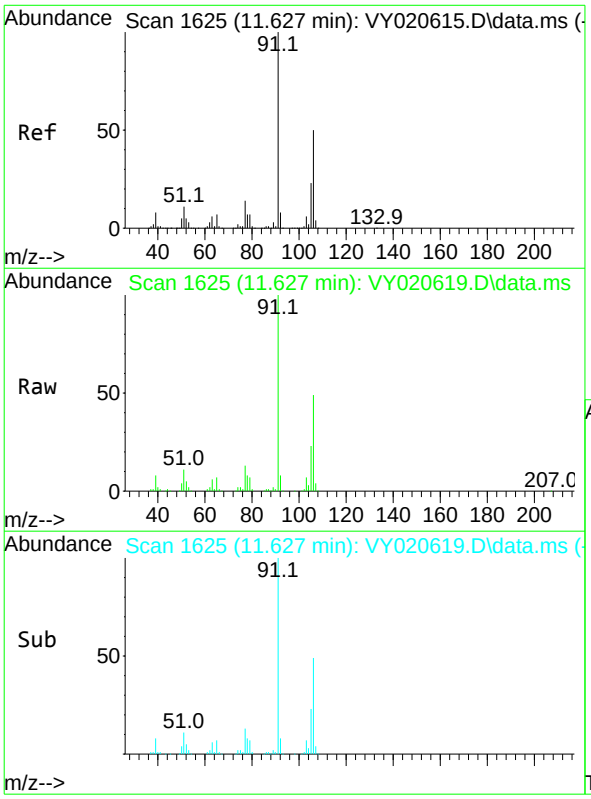
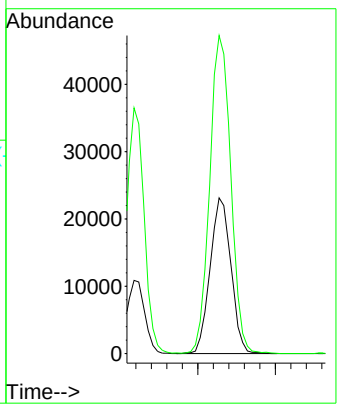
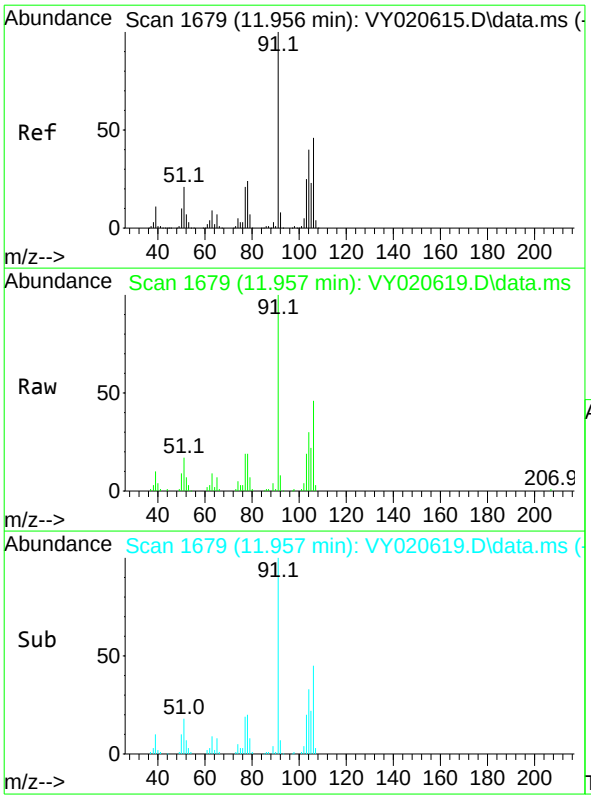


#68
m/p-Xylenes
Concen: 10.262 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:106 Resp: 43257

Ion	Ratio	Lower	Upper
106	100		
91	206.6	165.0	247.4

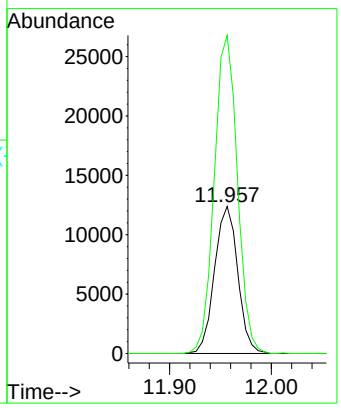




#69
o-Xylene
Concen: 4.993 ug/l
RT: 11.957 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:106 Resp: 19639

Ion	Ratio	Lower	Upper
106	100		
91	215.2	108.4	325.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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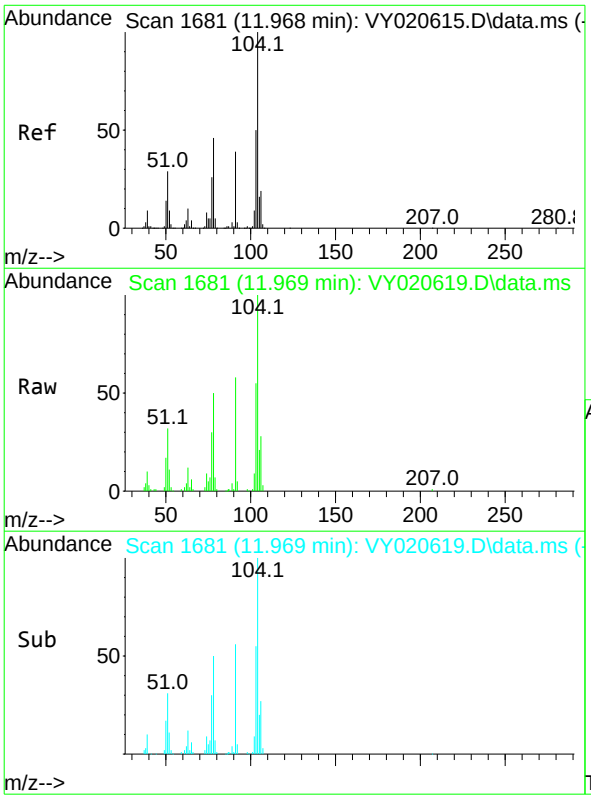
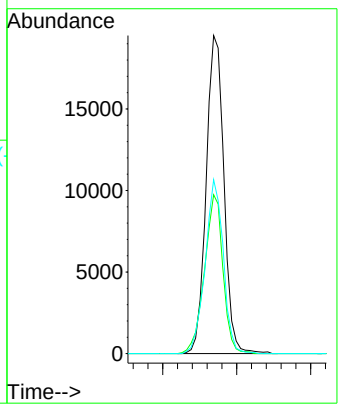
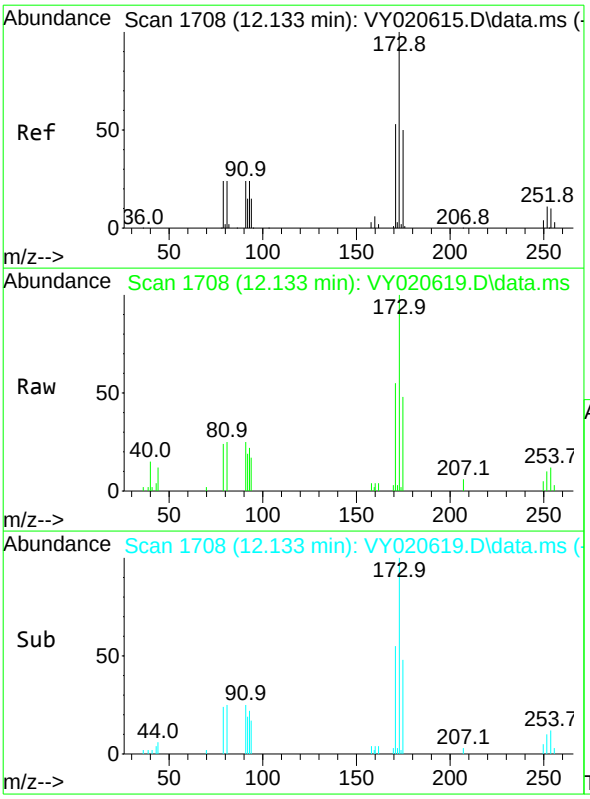


#70
Styrene
Concen: 4.945 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:104 Resp: 32495

Ion	Ratio	Lower	Upper
104	100		
78	52.0	41.6	62.4
103	55.9	43.7	65.5





#71
Bromoform
Concen: 4.877 ug/l
RT: 12.133 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 5762

Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.6	74.0
254	0.0	0.0	0.0

Manual Integrations
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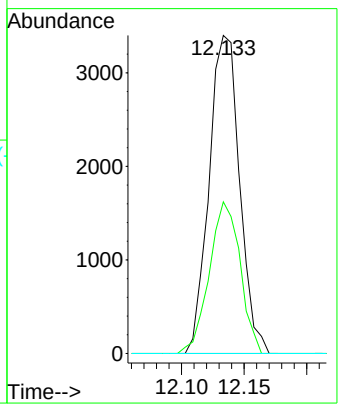
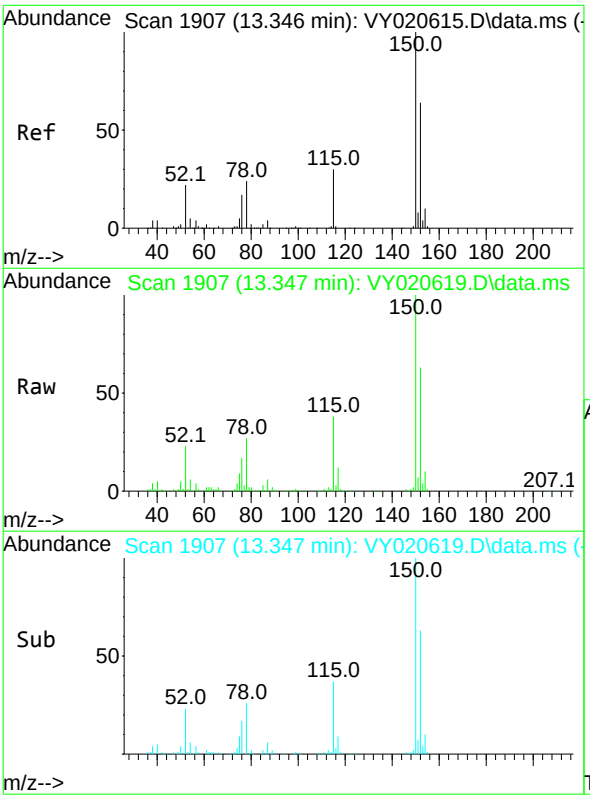
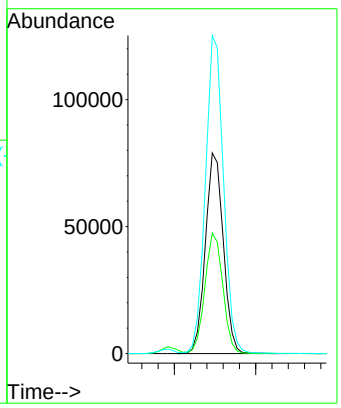


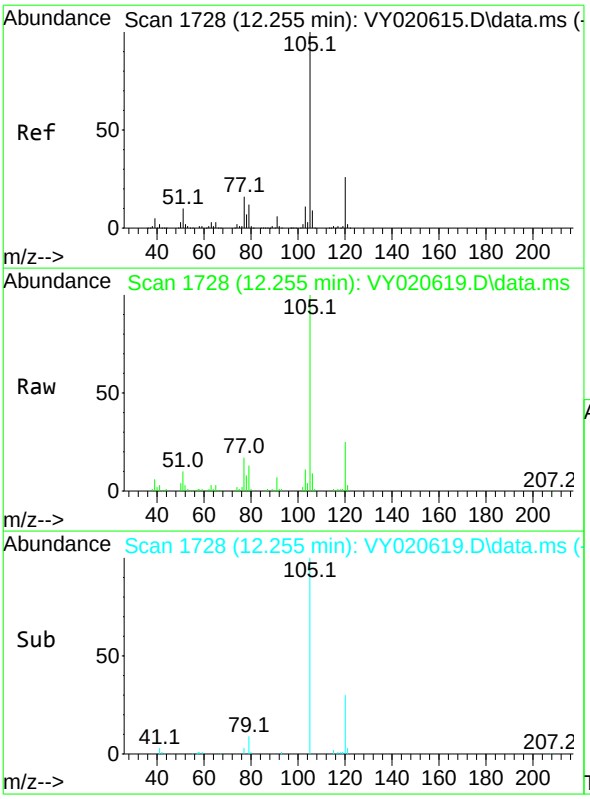


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:152 Resp: 120870

Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.2	90.6
150	160.3	0.0	355.4

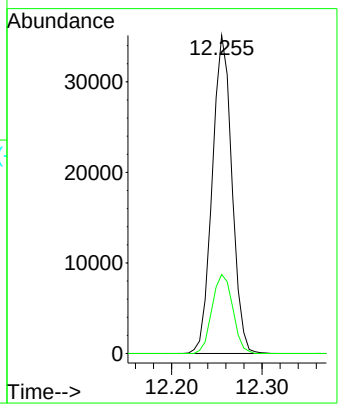




#73
Isopropylbenzene
Concen: 5.043 ug/l
RT: 12.255 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:105 Resp: 53196

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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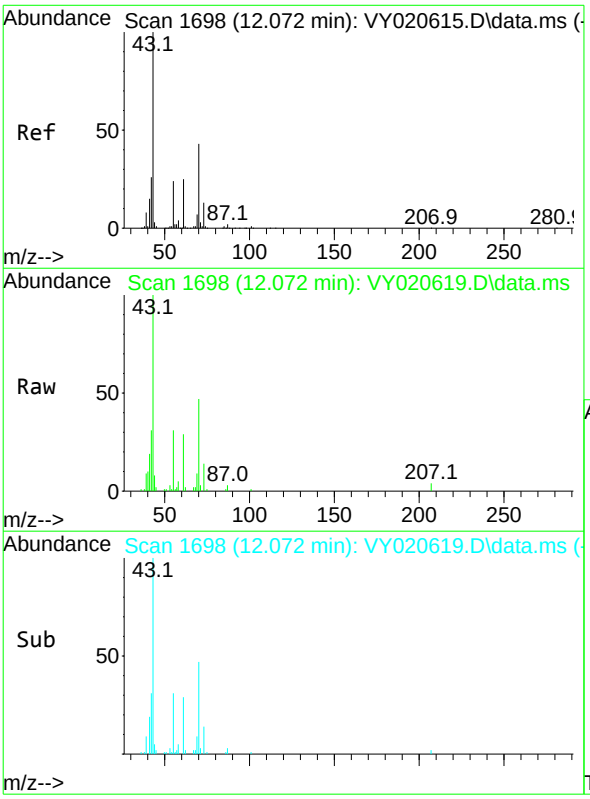
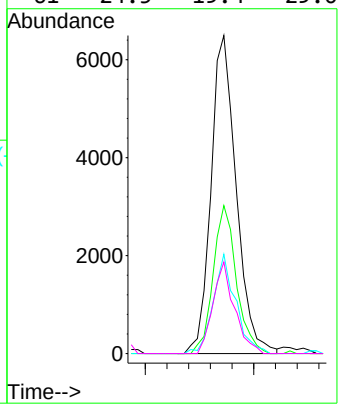
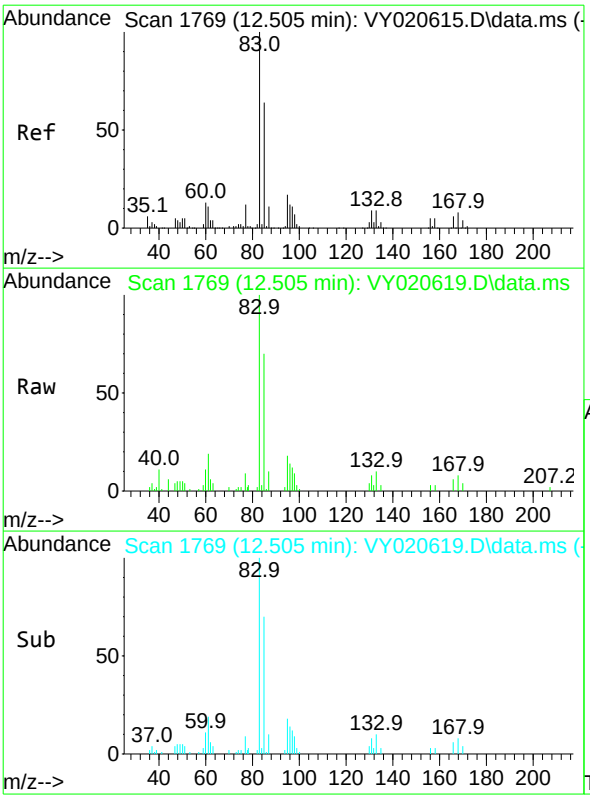


#74
N-amyl acetate
Concen: 4.245 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 43 Resp: 10480

Ion	Ratio	Lower	Upper
43	100		
70	42.8	34.2	51.2
55	27.8	19.6	29.4
61	24.5	19.4	29.0





#75
1,1,2,2-Tetrachloroethane
Concen: 4.866 ug/l
RT: 12.505 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 83 Resp: 8331

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.2	15.6
85	67.3	32.5	97.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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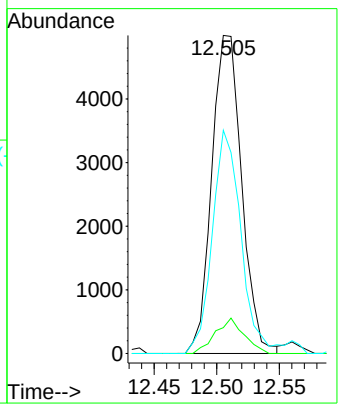
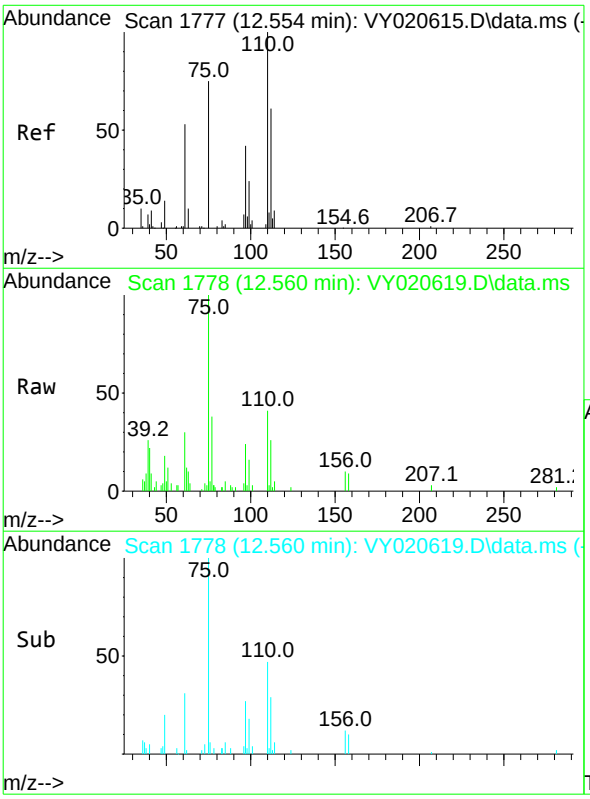
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

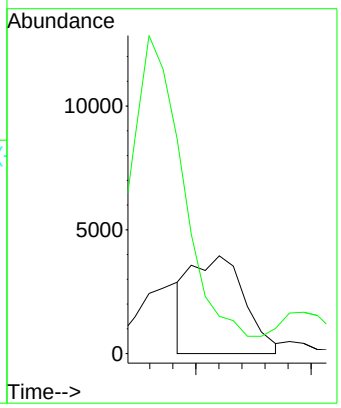


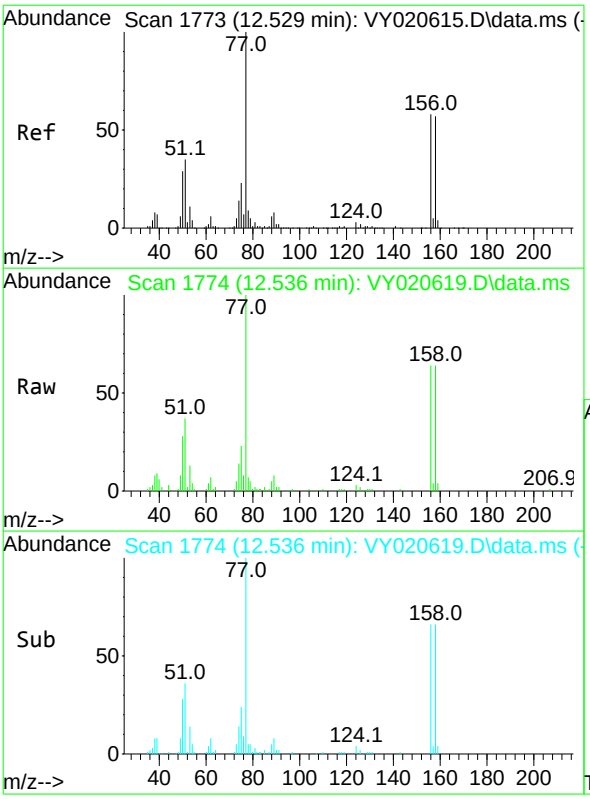


#76
1,2,3-Trichloropropane
Concen: 5.167 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 75 Resp: 6432

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

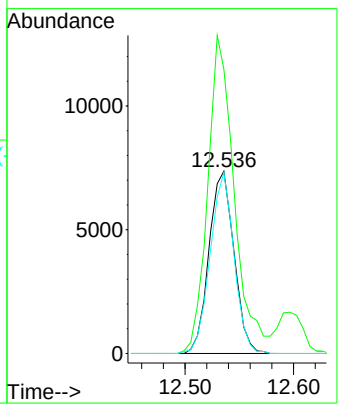




#77
Bromobenzene
Concen: 5.124 ug/l
RT: 12.536 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:156 Resp: 11774

Ion	Ratio	Lower	Upper
156	100		
77	185.9	94.2	282.4
158	94.9	48.9	146.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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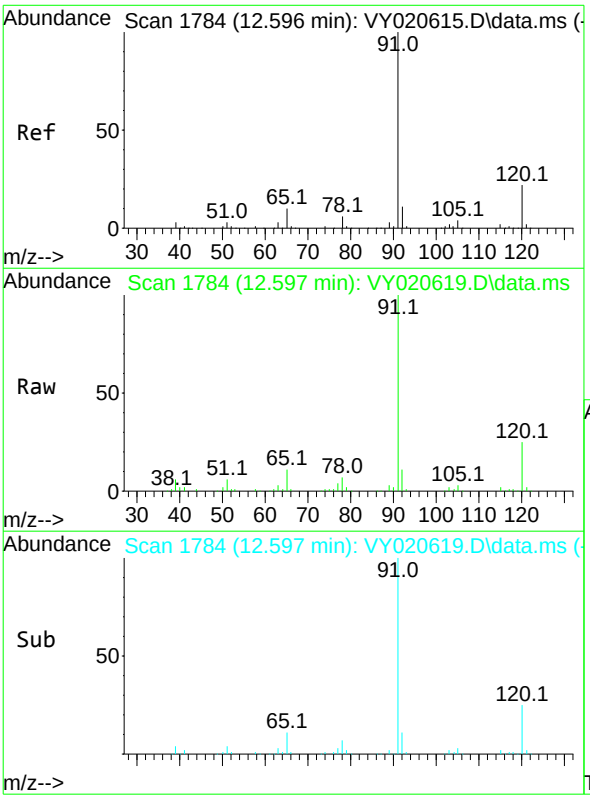
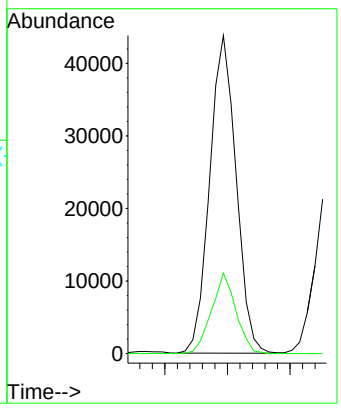
Supervised By :Semsettin Yesilyurt 12/18/2024

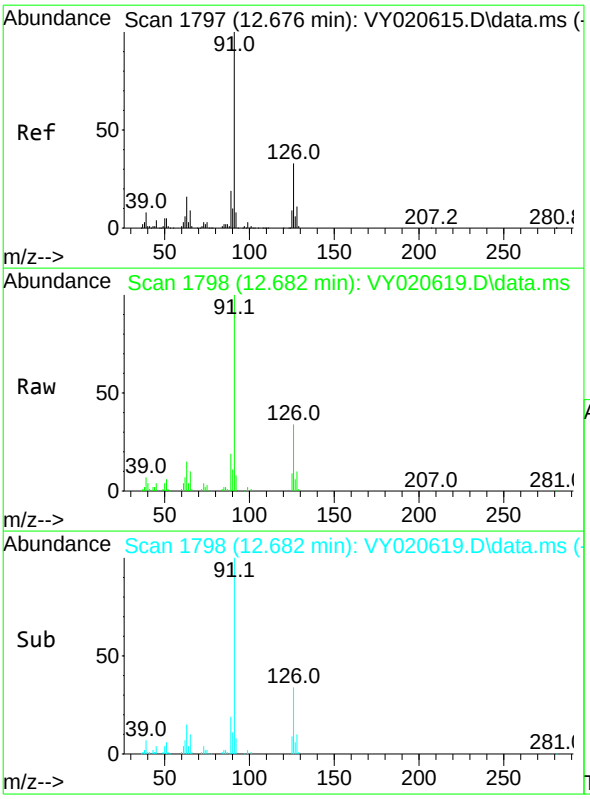


#78
n-propylbenzene
Concen: 5.047 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 91 Resp: 64140

Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.1	33.1





#79
2-Chlorotoluene
Concen: 5.106 ug/l
RT: 12.682 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 91 Resp: 36508

Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.6	49.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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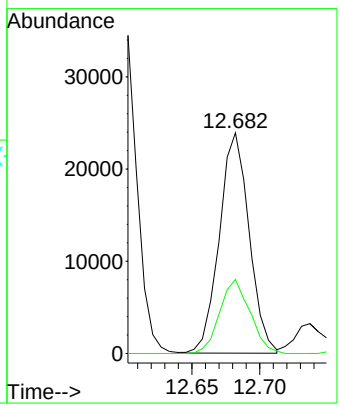
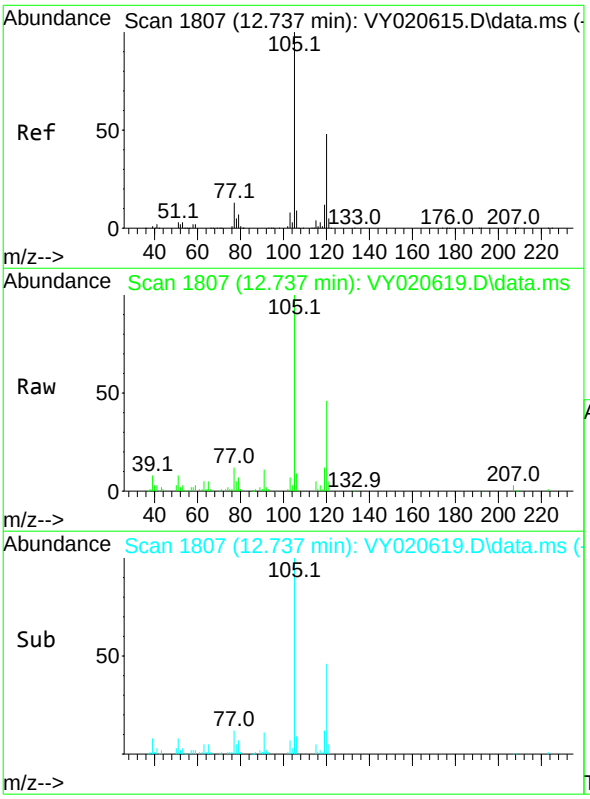
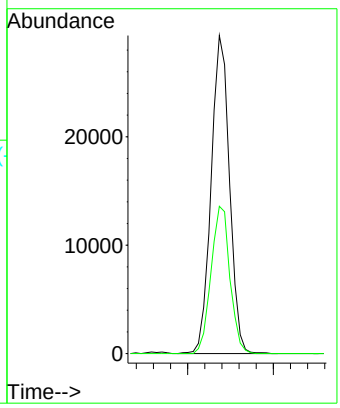


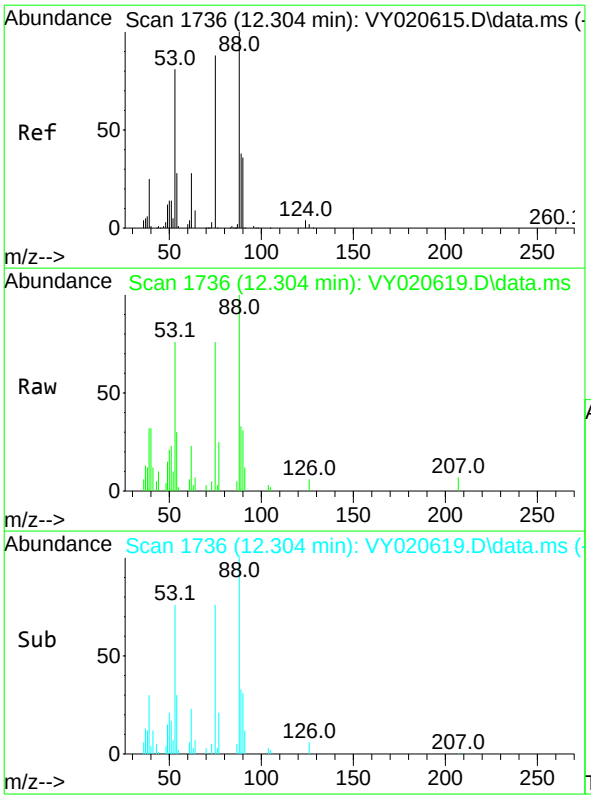


#80
1,3,5-Trimethylbenzene
Concen: 5.107 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:105 Resp: 43711

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 4.276 ug/l
RT: 12.304 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 75 Resp: 2558

Ion	Ratio	Lower	Upper
75	100		
53	107.3	75.4	113.2
89	47.1	37.0	55.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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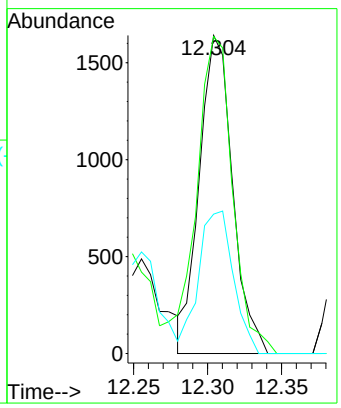
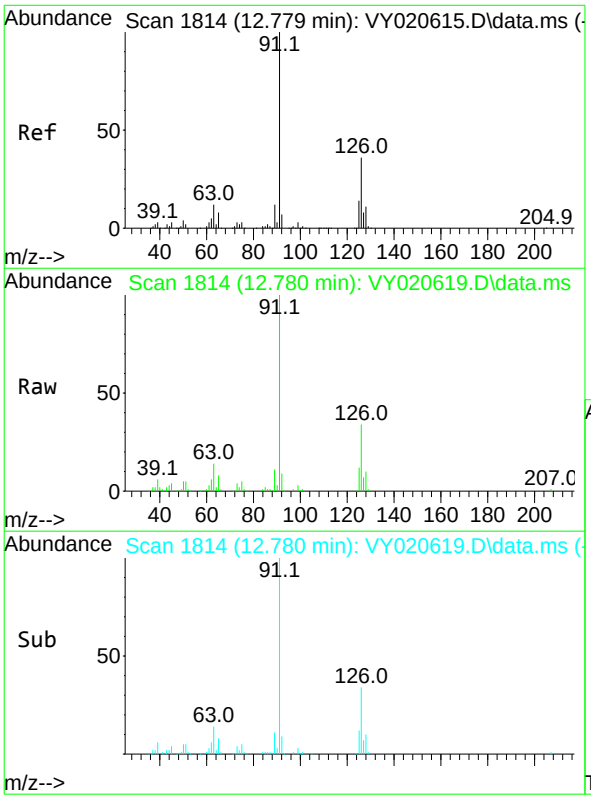
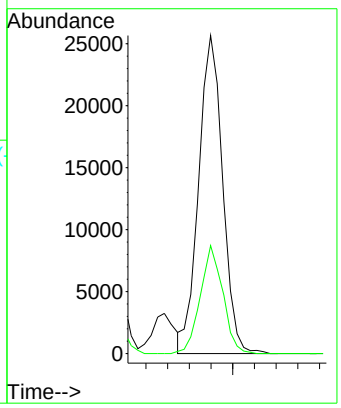


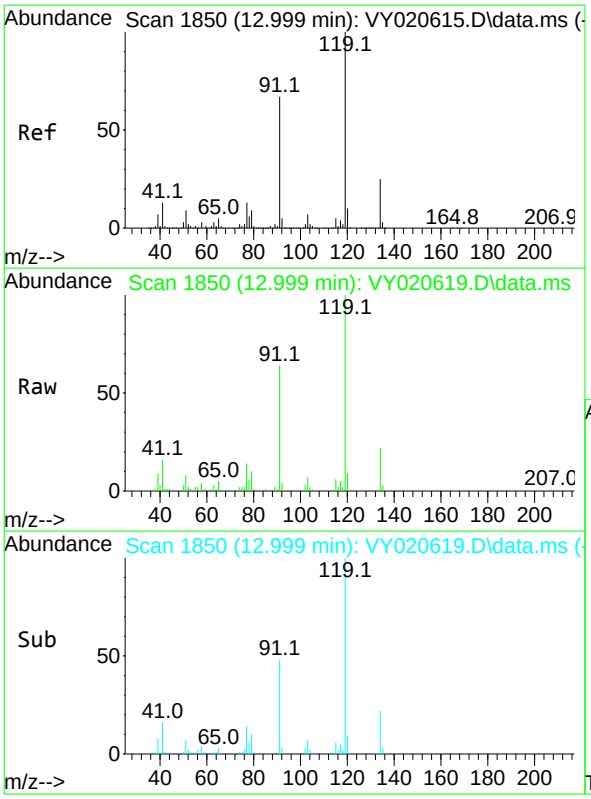


#82
4-Chlorotoluene
Concen: 5.318 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 91 Resp: 39447

Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.6	49.7

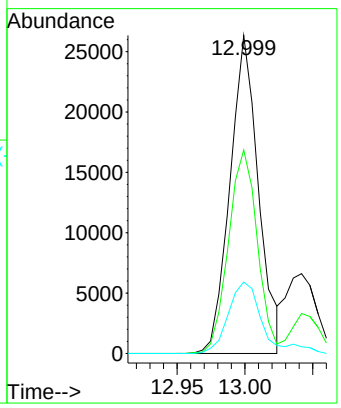




#83
tert-Butylbenzene
Concen: 4.972 ug/l
RT: 12.999 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:119 Resp: 38538

Ion	Ratio	Lower	Upper
119	100		
91	64.6	32.9	98.6
134	25.0	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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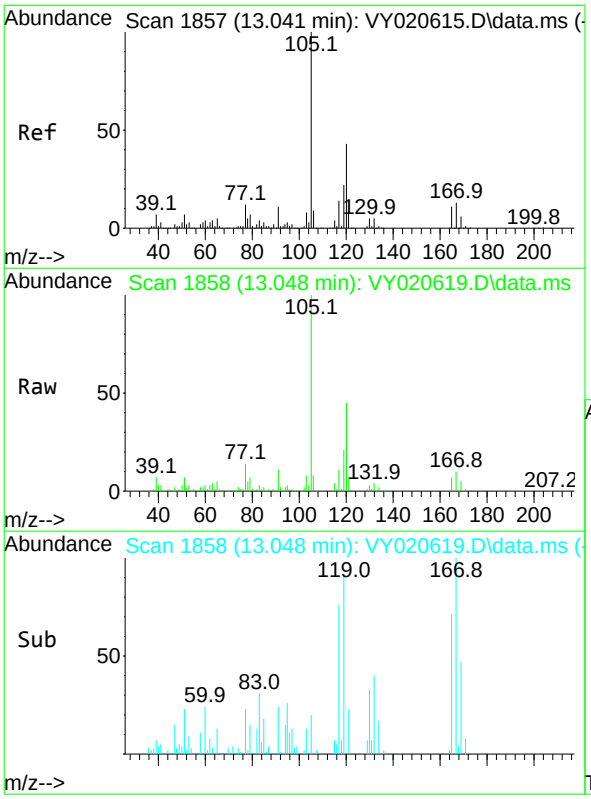
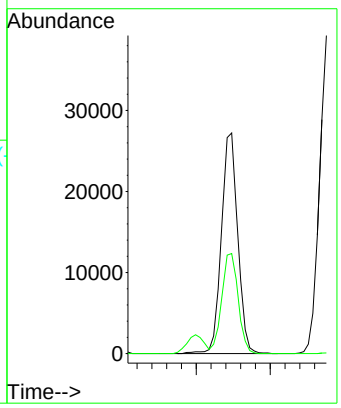
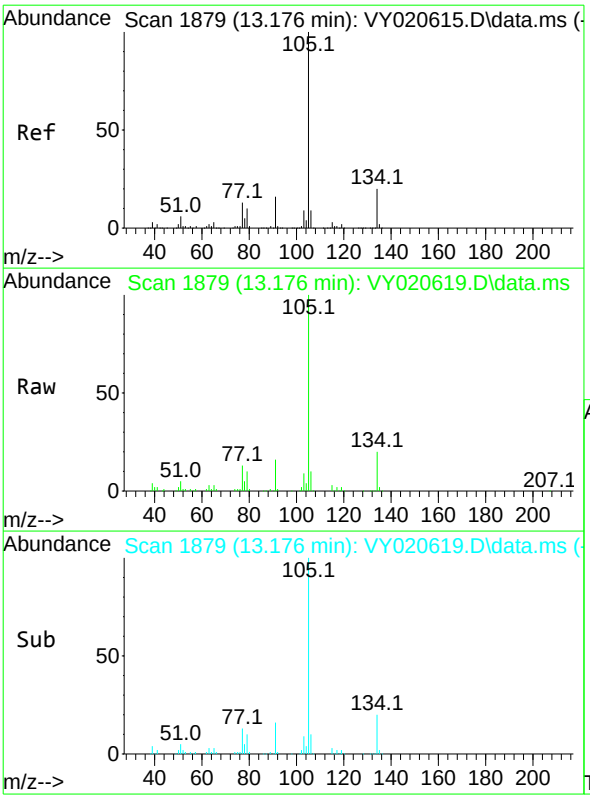


#84
1,2,4-Trimethylbenzene
Concen: 4.974 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:105 Resp: 41754

Ion	Ratio	Lower	Upper
105	100		
120	45.5	21.8	65.4

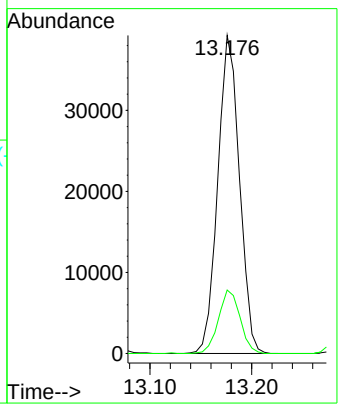




#85
sec-Butylbenzene
Concen: 5.154 ug/l
RT: 13.176 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:105 Resp: 58088

Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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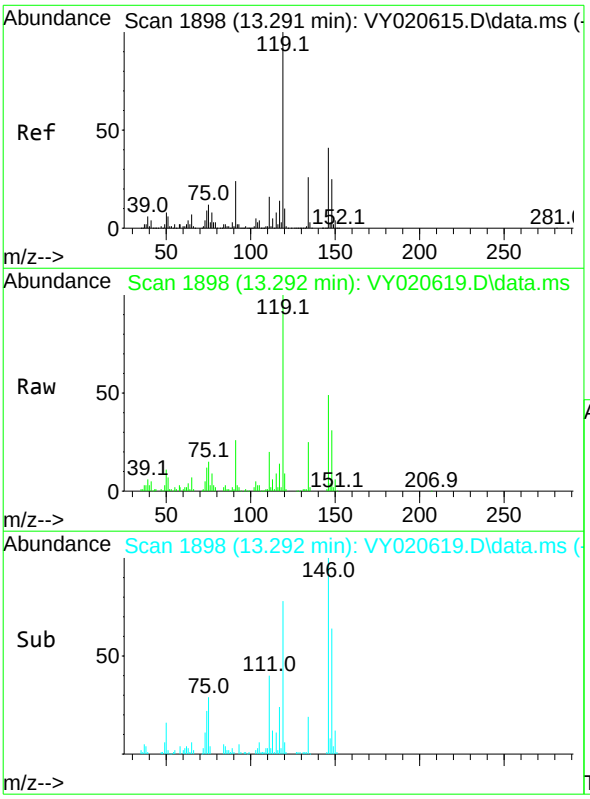
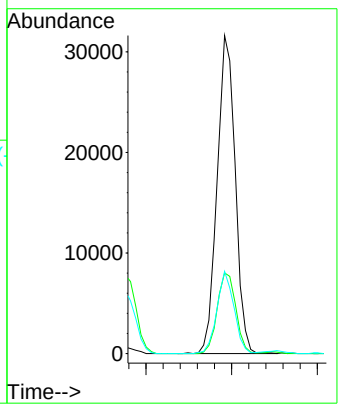
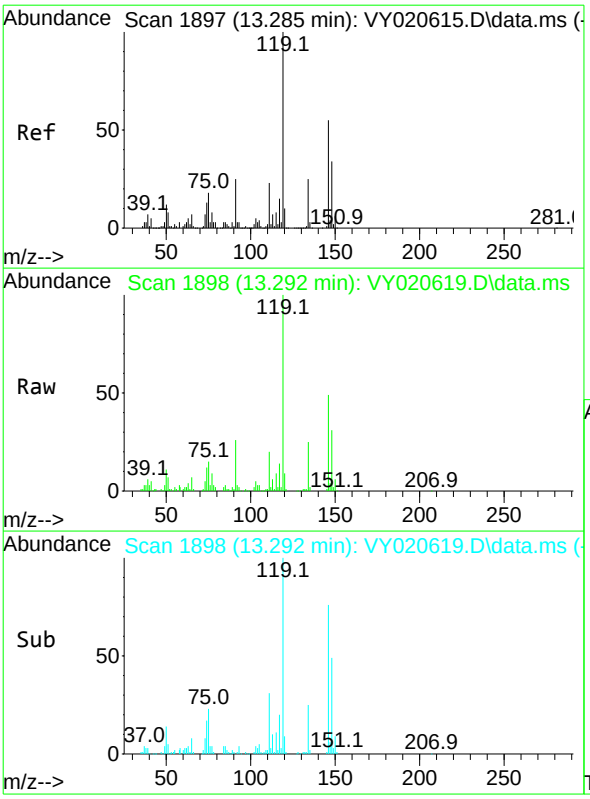


#86
p-Isopropyltoluene
Concen: 4.992 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:119 Resp: 46384

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.9	38.6
91	24.5	12.1	36.3

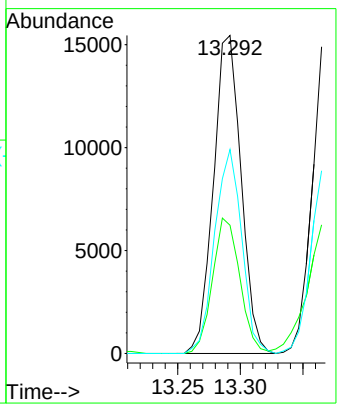




#87
1,3-Dichlorobenzene
Concen: 5.238 ug/l
RT: 13.292 min Scan# 18
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:146 Resp: 23757

Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.6	61.8
148	62.8	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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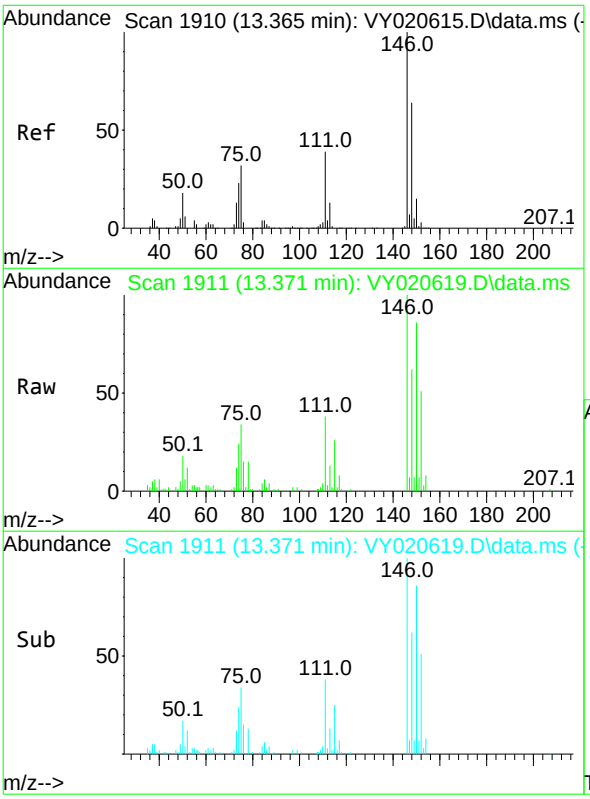
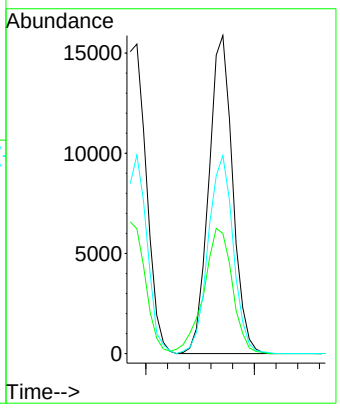
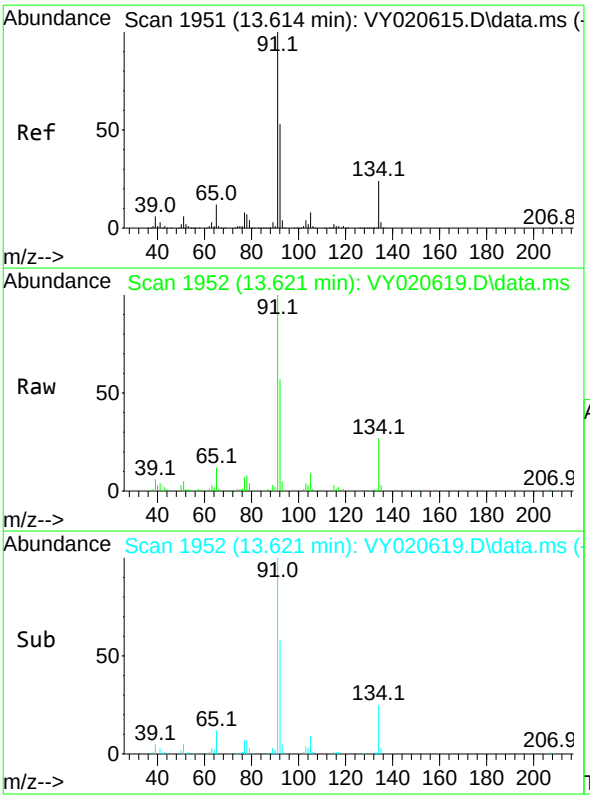


#88
1,4-Dichlorobenzene
Concen: 5.404 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:146 Resp: 24276

Ion	Ratio	Lower	Upper
146	100		
111	47.2	19.6	58.7
148	65.4	31.9	95.5





#89
n-Butylbenzene
Concen: 4.976 ug/l
RT: 13.621 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 91 Resp: 43817

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.8	80.4
134	26.0	12.5	37.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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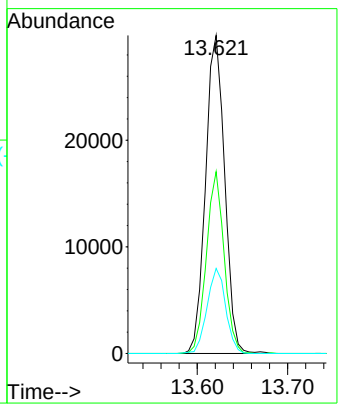
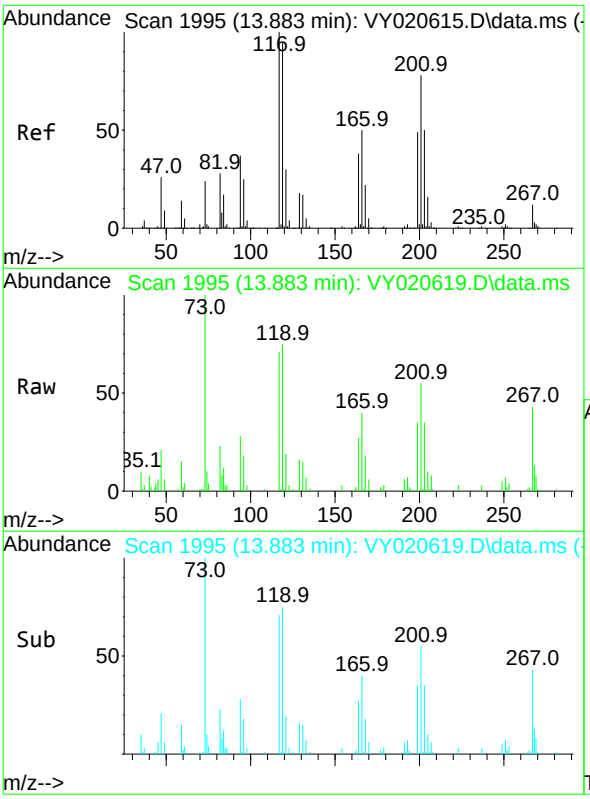
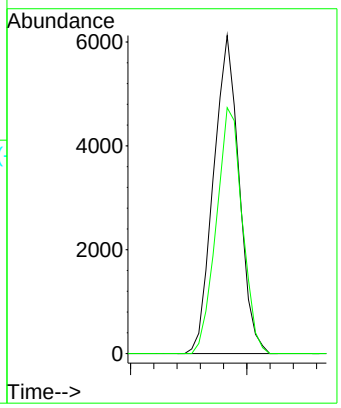


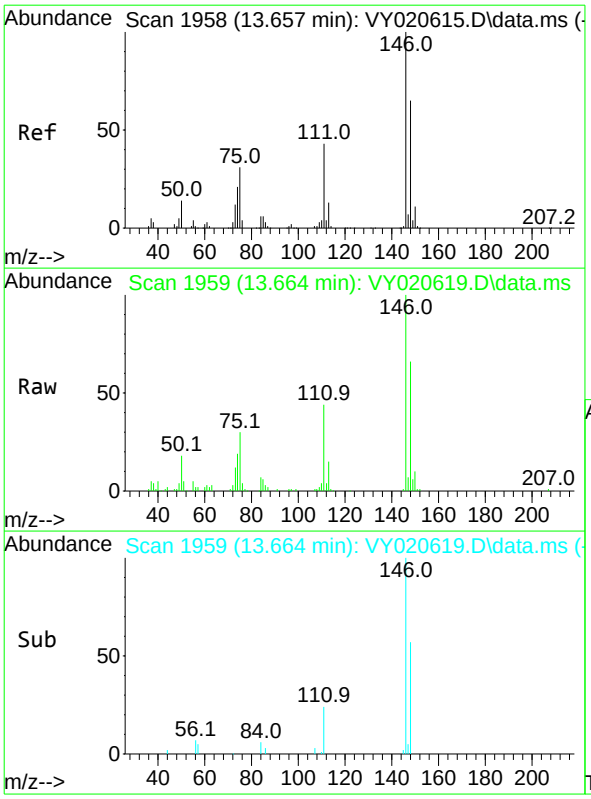


#90
Hexachloroethane
Concen: 5.084 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:117 Resp: 9361

Ion	Ratio	Lower	Upper
117	100		
201	78.4	39.1	117.3

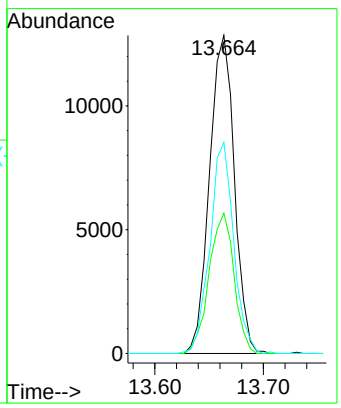




#91
1,2-Dichlorobenzene
Concen: 5.211 ug/l
RT: 13.664 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:146 Resp: 20478

Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.3	63.7
148	63.6	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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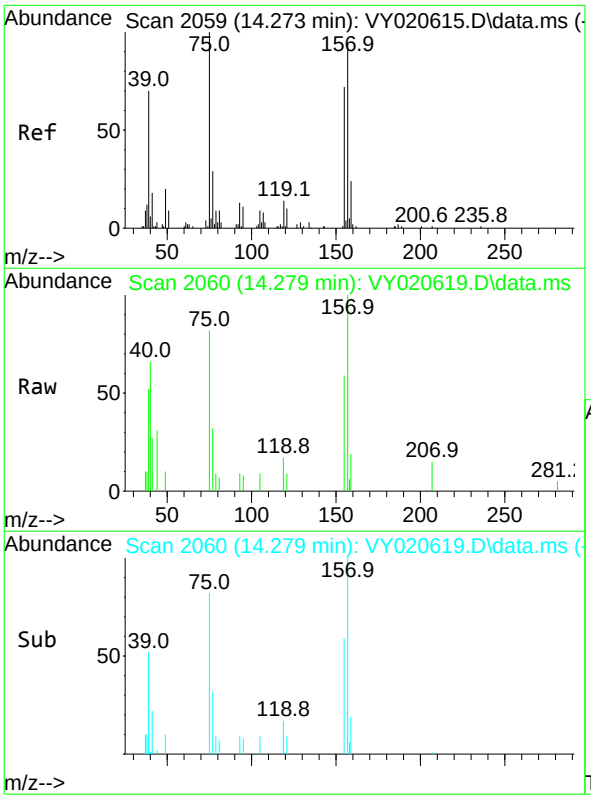
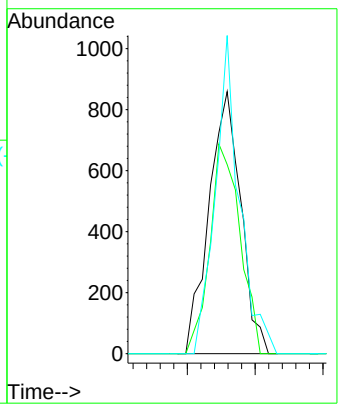
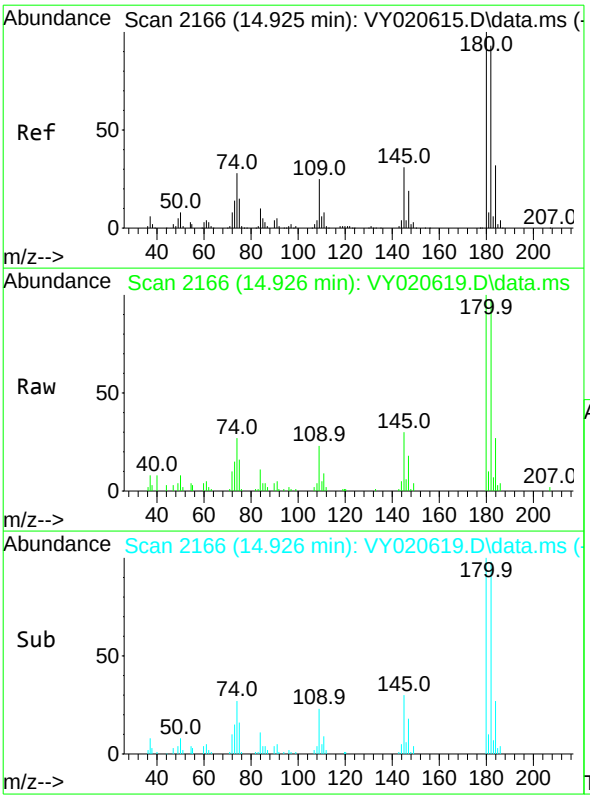


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.051 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 75 Resp: 1404

Ion	Ratio	Lower	Upper
75	100		
155	75.6	41.1	123.3
157	92.2	52.9	158.8

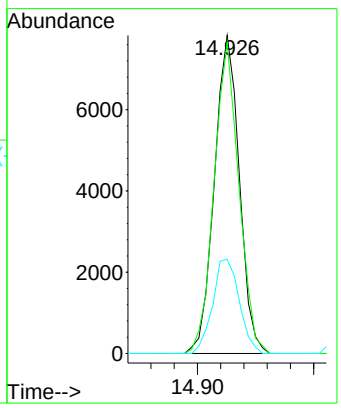




#93
1,2,4-Trichlorobenzene
Concen: 4.900 ug/l
RT: 14.926 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:180 Resp: 11648

Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.9	143.6
145	31.7	15.6	46.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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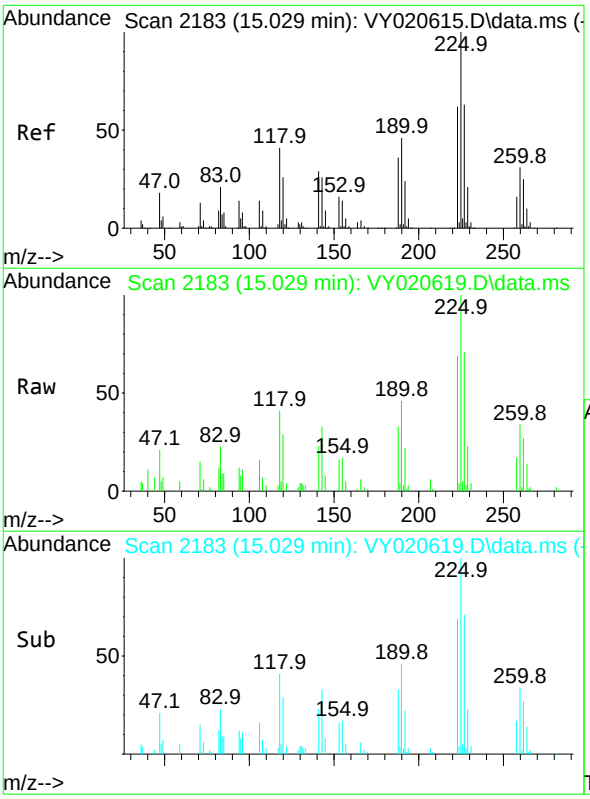
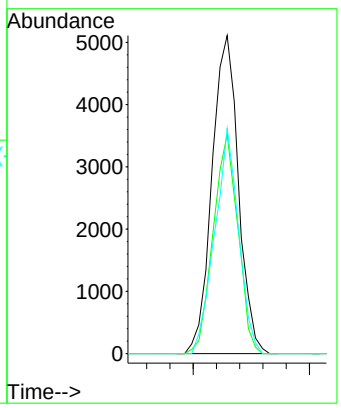
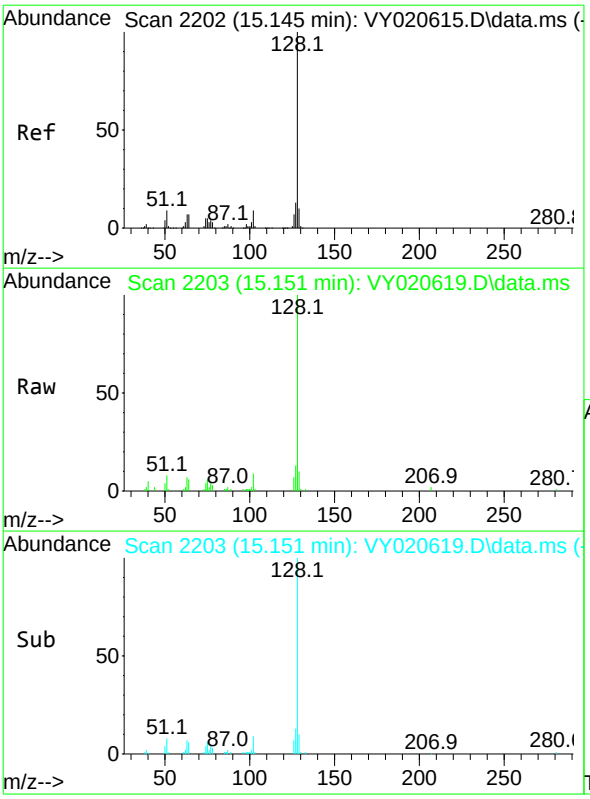


#94
Hexachlorobutadiene
Concen: 5.186 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:225 Resp: 8059

Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.8	95.3
227	64.1	32.2	96.6

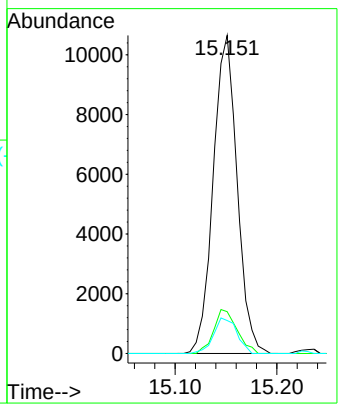




#95
Naphthalene
Concen: 4.261 ug/l
RT: 15.151 min Scan# 22
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:128 Resp: 17365

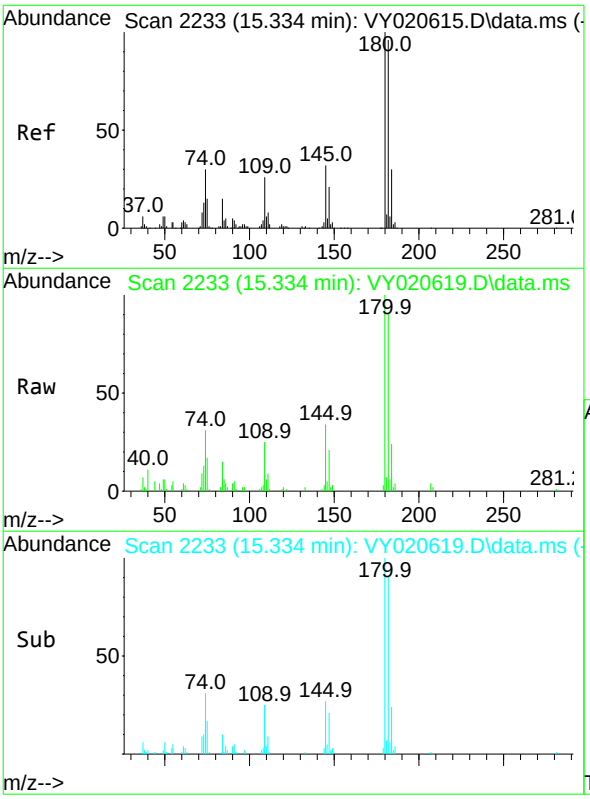
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	10.9	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

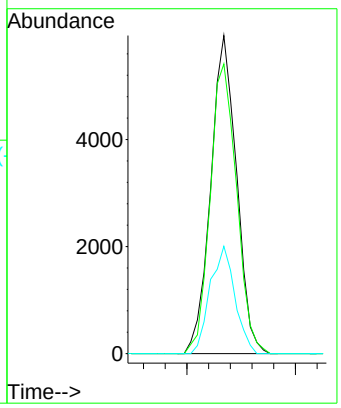
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#96
1,2,3-Trichlorobenzene
Concen: 4.890 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:180 Resp: 9821

Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.3	141.9
145	32.3	16.0	48.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020620.D
Acq On : 17 Dec 2024 17:41
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/18/2024
Supervised By :Mahesh Dadoda 12/18/2024

Quant Time: Dec 18 05:29:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	173629	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	261652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	229207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	127757	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	79812	41.971	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 83.940%			
35) Dibromofluoromethane	7.634	113	82508	44.743	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 89.480%			
50) Toluene-d8	10.103	98	297999	46.169	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 92.340%			
62) 4-Bromofluorobenzene	12.408	95	108522	42.982	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 85.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	103417	47.686	ug/l	96
3) Chloromethane	2.068	50	72696	45.240	ug/l	96
4) Vinyl Chloride	2.202	62	72204	48.277	ug/l	100
5) Bromomethane	2.599	94	46536	48.405	ug/l	95
6) Chloroethane	2.733	64	44843	48.520	ug/l	95
7) Trichlorofluoromethane	3.062	101	147334	47.080	ug/l	100
8) Diethyl Ether	3.458	74	48299	44.007	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	111288	49.613	ug/l	100
10) Methyl Iodide	4.007	142	125272	50.161	ug/l	98
11) Tert butyl alcohol	4.854	59	35896	166.993	ug/l	99
12) 1,1-Dichloroethene	3.787	96	109207	50.176	ug/l	99
13) Acrolein	3.653	56	13043	145.056	ug/l	95
14) Allyl chloride	4.385	41	194403	50.975	ug/l	99
15) Acrylonitrile	5.055	53	111135	211.661	ug/l	99
16) Acetone	3.867	43	128884	343.570	ug/l	95
17) Carbon Disulfide	4.110	76	357372	50.444	ug/l	99
18) Methyl Acetate	4.385	43	56965	44.029	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	254917	45.379	ug/l	98
20) Methylene Chloride	4.616	84	110314	46.658	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	118791	48.656	ug/l	96
22) Diisopropyl ether	6.019	45	373306	48.223	ug/l	96
23) Vinyl Acetate	5.964	43	993429	226.581	ug/l	99
24) 1,1-Dichloroethane	5.915	63	221322	48.802	ug/l	100
25) 2-Butanone	6.897	43	162705	230.232	ug/l	97
26) 2,2-Dichloropropane	6.884	77	199229	46.471	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	135394	48.202	ug/l	100
28) Bromochloromethane	7.244	49	78629	51.402	ug/l	99
29) Tetrahydrofuran	7.262	42	90590	203.060	ug/l	98
30) Chloroform	7.421	83	227671	49.995	ug/l	97
31) Cyclohexane	7.701	56	199127	45.921	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	203477	48.837	ug/l	99
36) 1,1-Dichloropropene	7.835	75	166171	49.418	ug/l	99
37) Ethyl Acetate	6.982	43	67205	42.490	ug/l	99
38) Carbon Tetrachloride	7.817	117	185268	49.800	ug/l	99
39) Methylcyclohexane	9.110	83	214365	48.913	ug/l	98
40) Benzene	8.079	78	486468	49.357	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020620.D
Acq On : 17 Dec 2024 17:41
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Quant Time: Dec 18 05:29:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/18/2024
Supervised By :Mahesh Dadoda 12/18/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.220	41	39828	47.631 ug/l #	86
42) 1,2-Dichloroethane	8.159	62	122520	46.869 ug/l	99
43) Isopropyl Acetate	8.195	43	130339	43.528 ug/l #	88
44) Trichloroethene	8.866	130	120014	49.555 ug/l	98
45) 1,2-Dichloropropane	9.140	63	112171	48.695 ug/l	98
46) Dibromomethane	9.232	93	56323	46.265 ug/l	99
47) Bromodichloromethane	9.421	83	158529	48.208 ug/l	100
48) Methyl methacrylate	9.219	41	63016	44.268 ug/l	99
49) 1,4-Dioxane	9.232	88	11394	816.119 ug/l	97
51) 4-Methyl-2-Pentanone	10.000	43	331396	209.670 ug/l	100
52) Toluene	10.170	92	300584	49.073 ug/l	99
53) t-1,3-Dichloropropene	10.390	75	146498	47.810 ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	178584	49.184 ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	73962	45.952 ug/l	99
56) Ethyl methacrylate	10.439	69	108638	46.525 ug/l	98
57) 1,3-Dichloropropane	10.713	76	134515	46.882 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	239347	243.610 ug/l	100
59) 2-Hexanone	10.756	43	240324	236.822 ug/l	100
60) Dibromochloromethane	10.908	129	101431	47.121 ug/l	97
61) 1,2-Dibromoethane	11.018	107	68798	45.952 ug/l	99
64) Tetrachloroethene	10.646	164	106990	49.626 ug/l	94
65) Chlorobenzene	11.438	112	313945	48.986 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	107564	49.083 ug/l	99
67) Ethyl Benzene	11.518	91	588990	49.815 ug/l	99
68) m/p-Xylenes	11.627	106	437108	99.430 ug/l	100
69) o-Xylene	11.957	106	203316	49.568 ug/l	98
70) Styrene	11.969	104	341470	49.827 ug/l	99
71) Bromoform	12.133	173	56002	45.451 ug/l #	100
73) Isopropylbenzene	12.255	105	556414	49.908 ug/l	100
74) N-amyl acetate	12.072	43	118269	45.328 ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	81117	44.824 ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	60828m	45.834 ug/l	
77) Bromobenzene	12.536	156	117217	48.267 ug/l	99
78) n-propylbenzene	12.597	91	668577	49.775 ug/l	100
79) 2-Chlorotoluene	12.682	91	375047	49.628 ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	452266	49.995 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	28650	45.313 ug/l	99
82) 4-Chlorotoluene	12.780	91	383617	48.929 ug/l	100
83) tert-Butylbenzene	12.999	119	405285	49.469 ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	442582	49.877 ug/l	100
85) sec-Butylbenzene	13.176	105	589060	49.451 ug/l	100
86) p-Isopropyltoluene	13.292	119	492898	50.187 ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	233241	48.653 ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	227374	47.888 ug/l	100
89) n-Butylbenzene	13.621	91	472143	50.725 ug/l	99
90) Hexachloroethane	13.883	117	96035	49.342 ug/l	100
91) 1,2-Dichlorobenzene	13.658	146	200049	48.162 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	12169	41.418 ug/l	97
93) 1,2,4-Trichlorobenzene	14.926	180	124084	49.388 ug/l	99
94) Hexachlorobutadiene	15.029	225	84375	51.372 ug/l	99
95) Naphthalene	15.145	128	199622	46.344 ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	103298	48.662 ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020620.D
Acq On : 17 Dec 2024 17:41
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/18/2024
Supervised By :Mahesh Dadoda 12/18/2024

Quant Time: Dec 18 05:29:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

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

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

ICAL Form

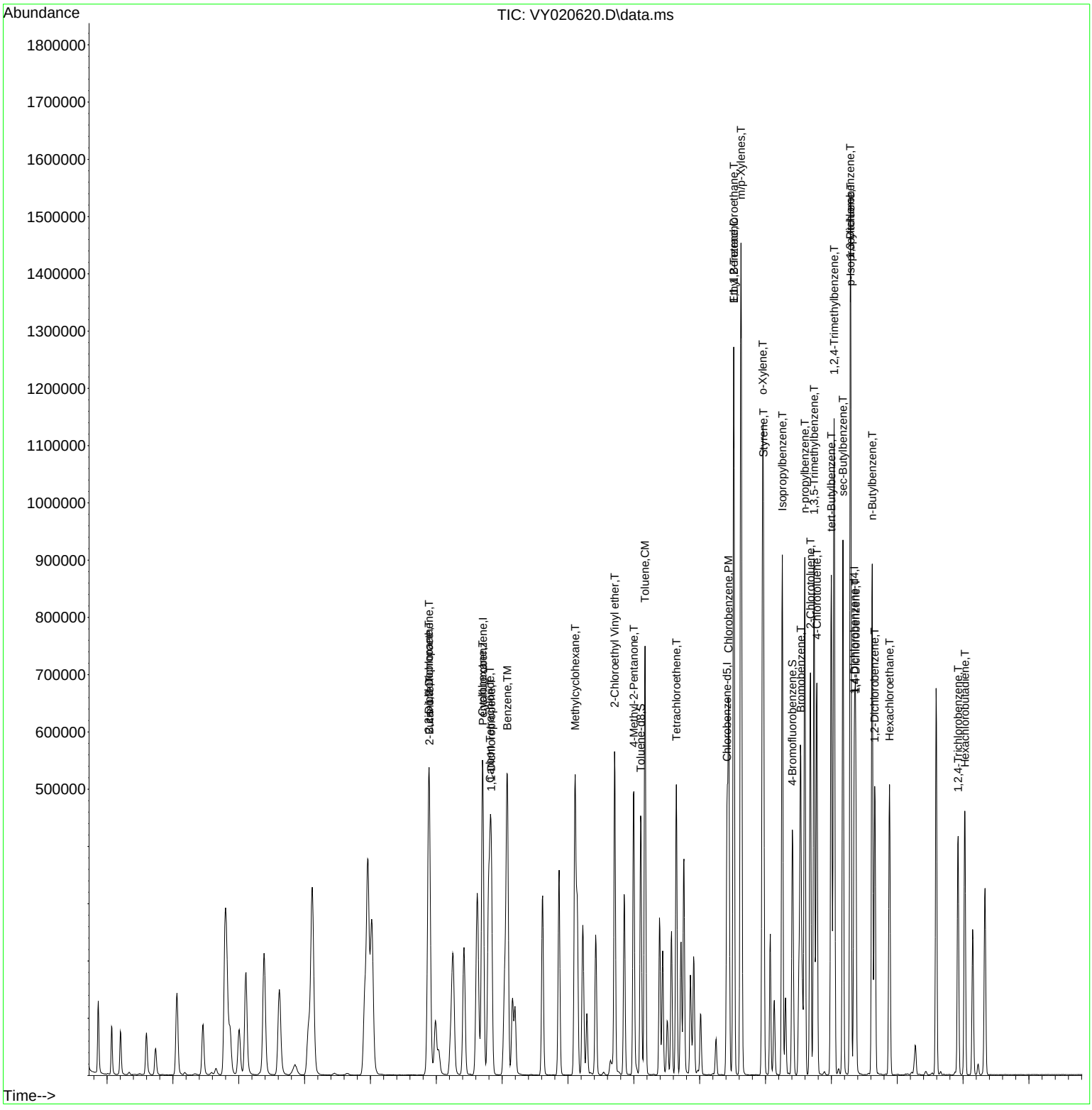
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020620.D
Acq On : 17 Dec 2024 17:41
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

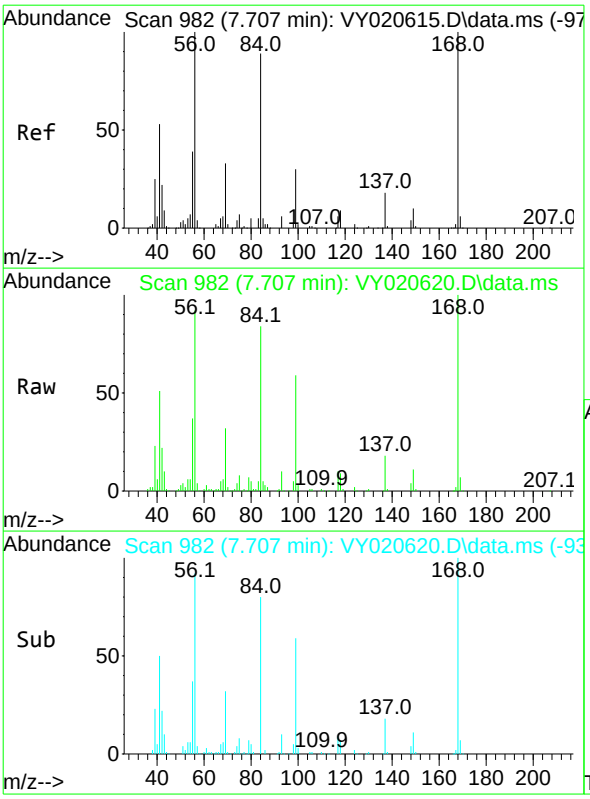
Quant Time: Dec 18 05:29:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/18/2024
Supervised By :Mahesh Dadoda 12/18/2024

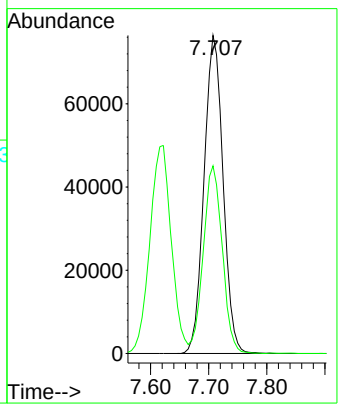




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:168 Resp: 173629

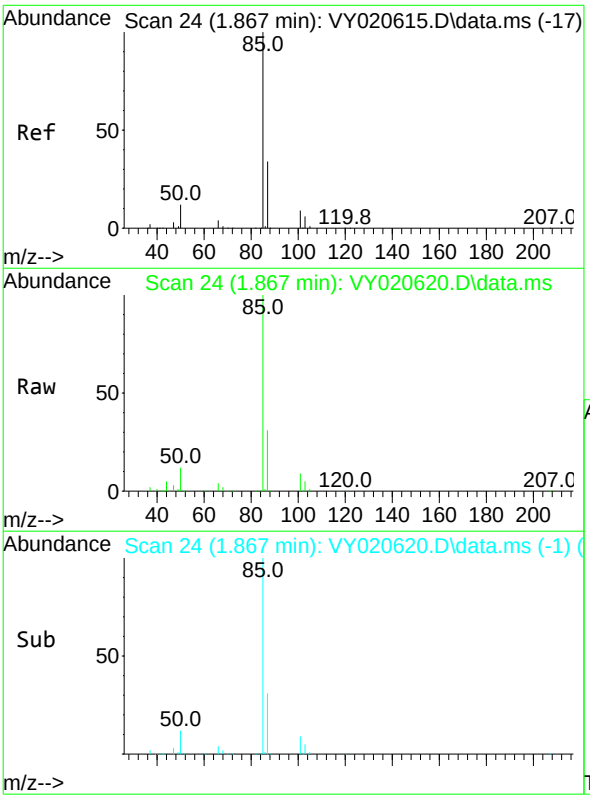
Ion	Ratio	Lower	Upper
168	100		
99	58.9	47.0	70.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Manual Integrations
APPROVED

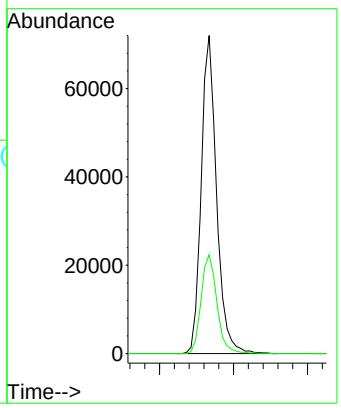
Reviewed By :Romaben Patel 12/18/2024
Supervised By :Mahesh Dadoda 12/18/2024

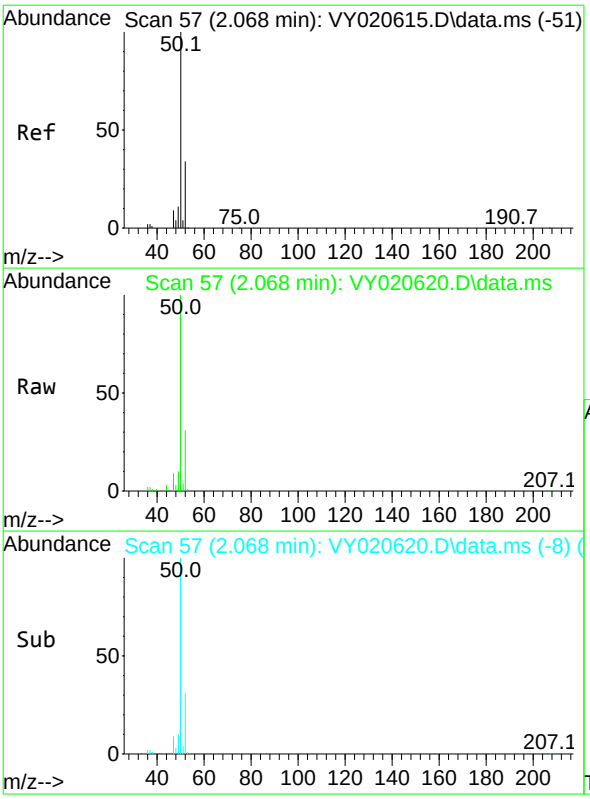


#2
Dichlorodifluoromethane
Concen: 47.686 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 85 Resp: 103417

Ion	Ratio	Lower	Upper
85	100		
87	31.1	16.8	50.3

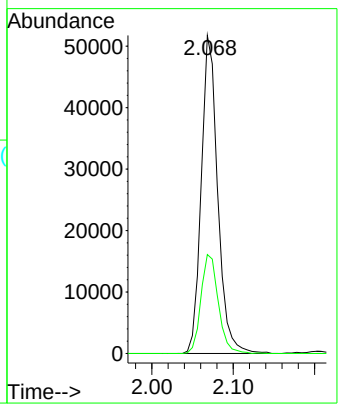




#3
Chloromethane
Concen: 45.240 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 50 Resp: 72696

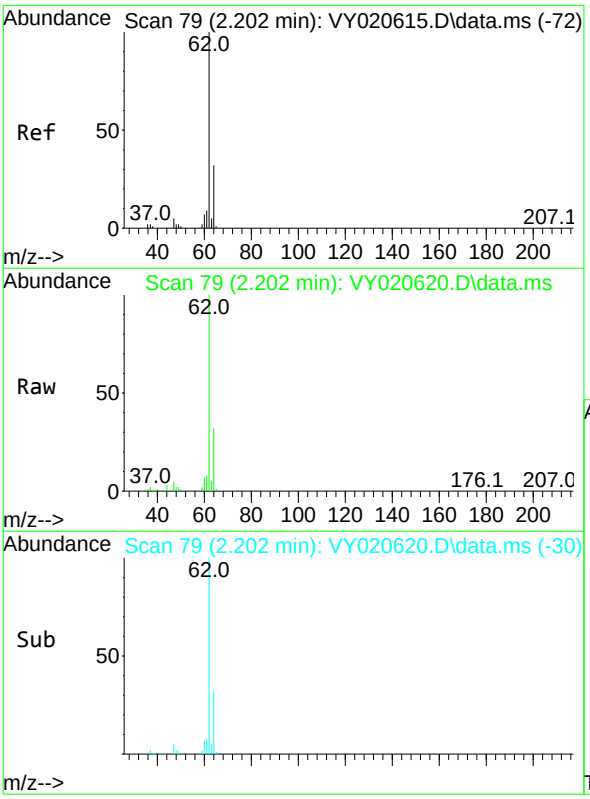
Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Manual Integrations
APPROVED

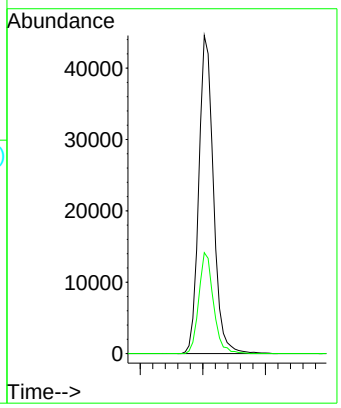
Reviewed By :Romaben Patel 12/18/2024
Supervised By :Mahesh Dadoda 12/18/2024

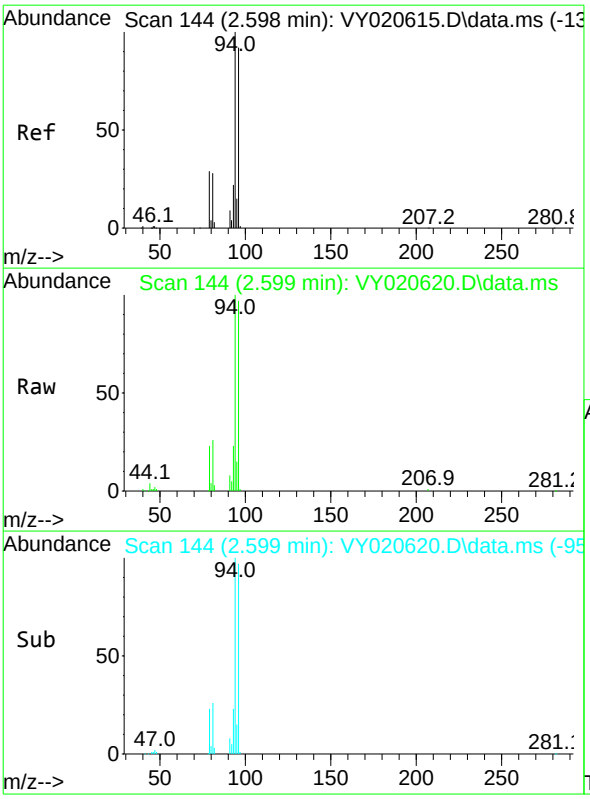


#4
Vinyl Chloride
Concen: 48.277 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 62 Resp: 72204

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.3	37.9

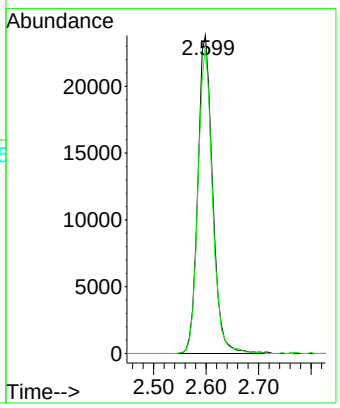




#5
Bromomethane
Concen: 48.405 ug/l
RT: 2.599 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 94 Resp: 46536

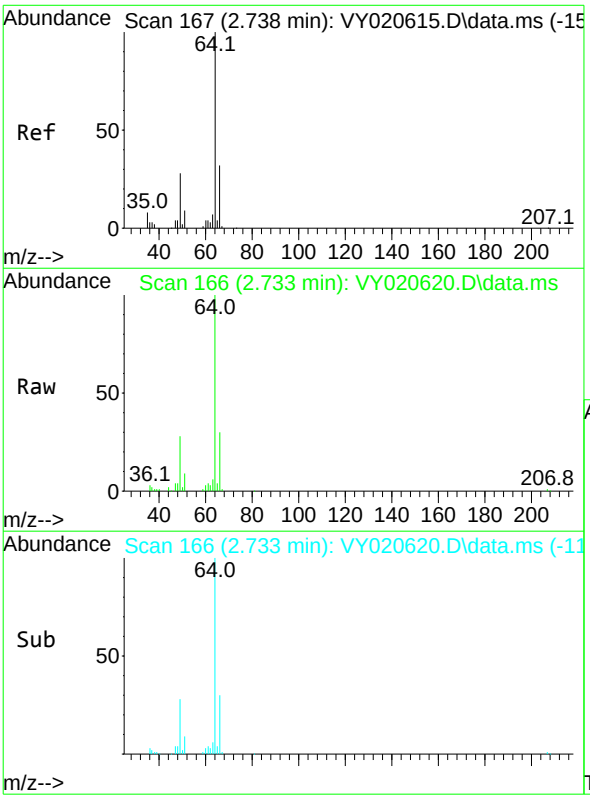
Ion	Ratio	Lower	Upper
94	100		
96	96.5	73.8	110.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Manual Integrations
APPROVED

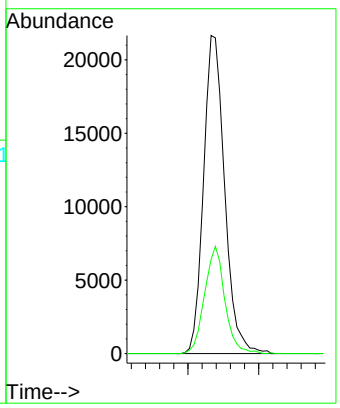
Reviewed By :Romaben Patel 12/18/2024
Supervised By :Mahesh Dadoda 12/18/2024

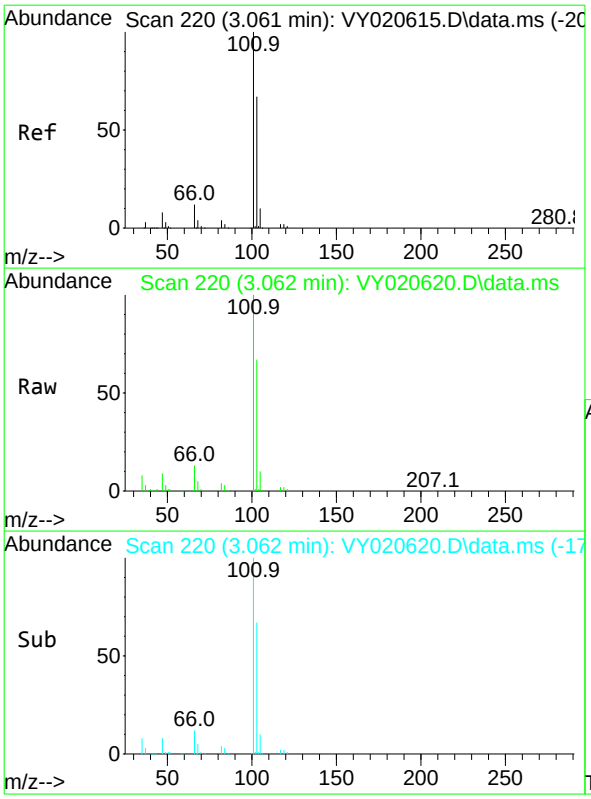


#6
Chloroethane
Concen: 48.520 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 64 Resp: 44843

Ion	Ratio	Lower	Upper
64	100		
66	29.7	25.8	38.6

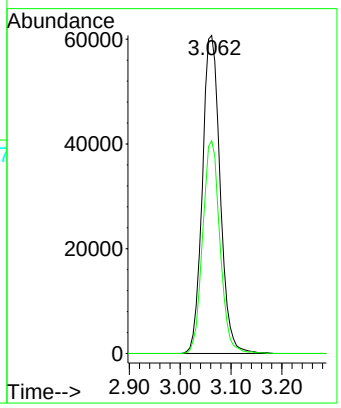




#7
Trichlorofluoromethane
Concen: 47.080 ug/l
RT: 3.062 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:101 Resp: 147334

Ion	Ratio	Lower	Upper
101	100		
103	66.9	53.4	80.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

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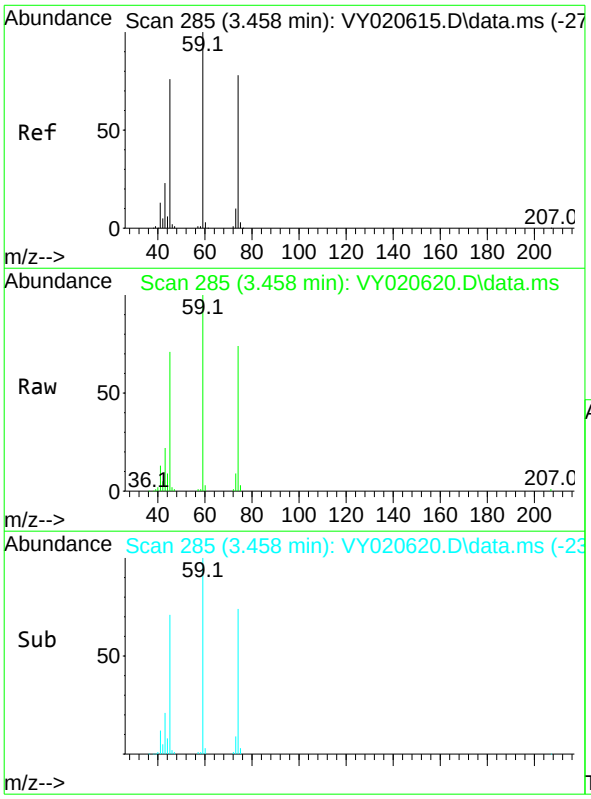
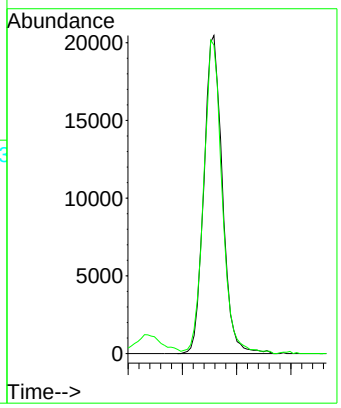
Reviewed By :Romaben Patel 12/18/2024
Supervised By :Mahesh Dadoda 12/18/2024

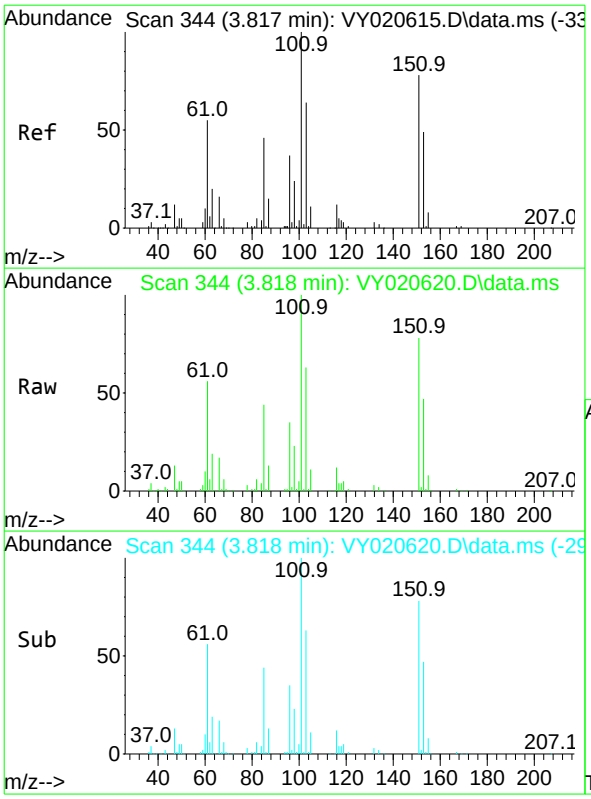


#8
Diethyl Ether
Concen: 44.007 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 74 Resp: 48299

Ion	Ratio	Lower	Upper
74	100		
45	98.8	49.0	147.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.613 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:101 Resp: 111288

Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.6	54.8
151	76.9	61.5	92.3

Instrument :
MSVOA_Y
ClientSampleId :
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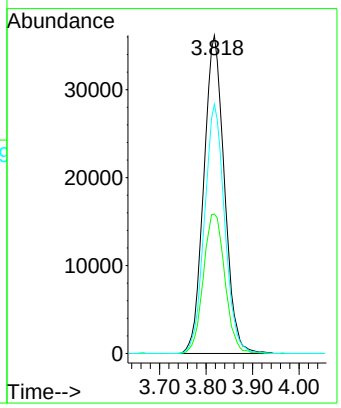
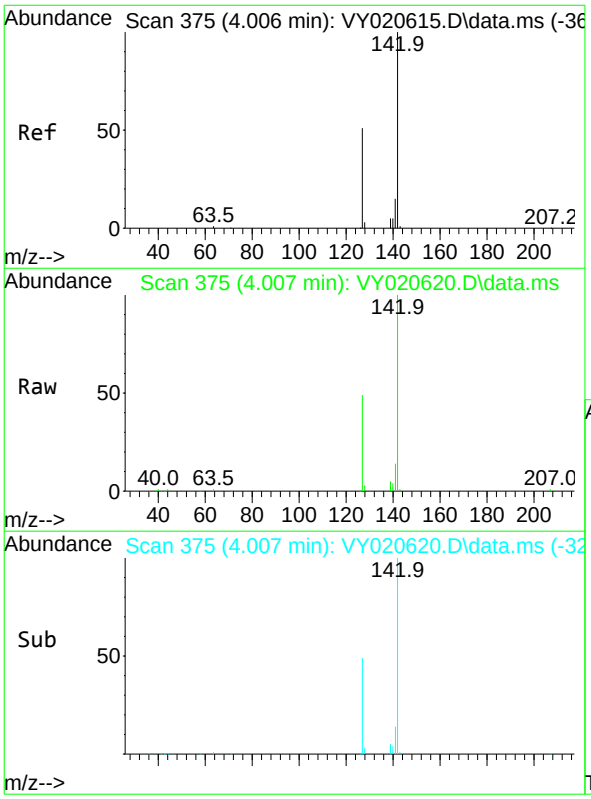
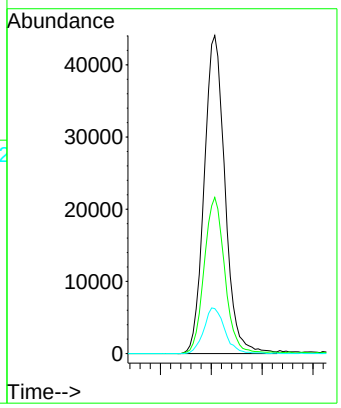


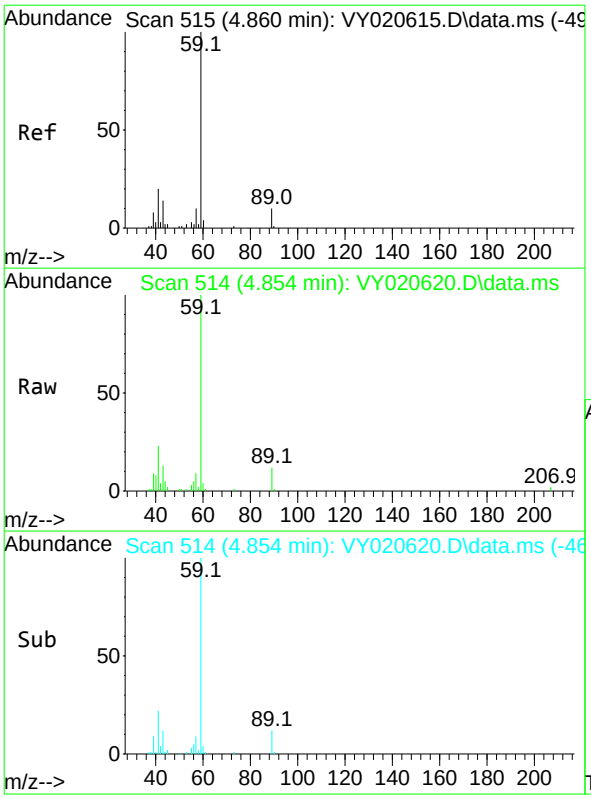


#10
Methyl Iodide
Concen: 50.161 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.001 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:142 Resp: 125272

Ion	Ratio	Lower	Upper
142	100		
127	48.6	40.6	61.0
141	14.5	11.7	17.5

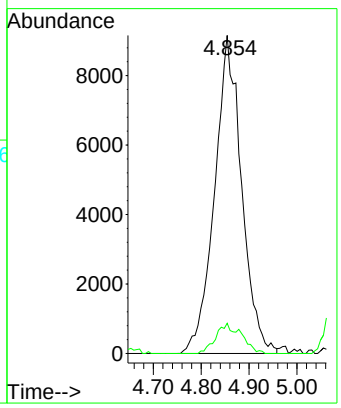




#11
Tert butyl alcohol
Concen: 166.993 ug/l
RT: 4.854 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 59 Resp: 35896

Ion	Ratio	Lower	Upper
59	100		
57	9.0	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
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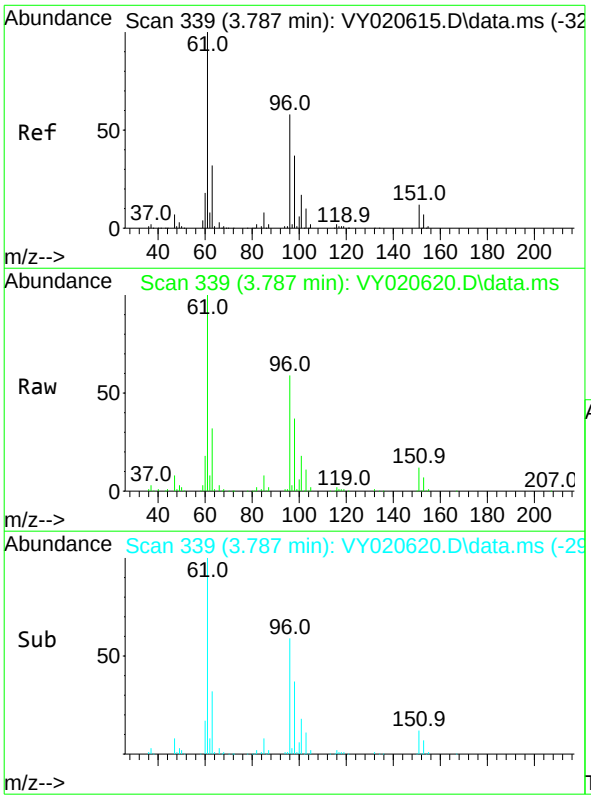
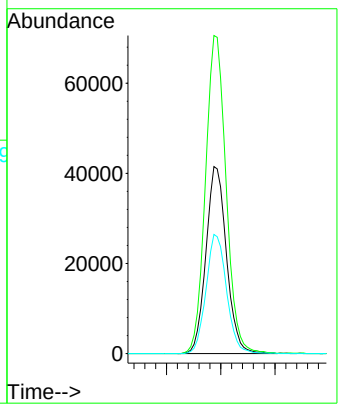
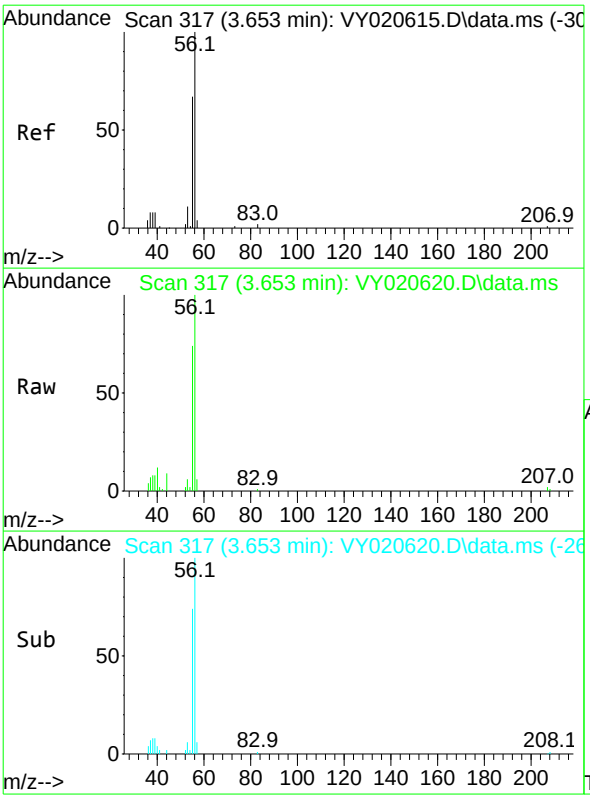


#12
1,1-Dichloroethene
Concen: 50.176 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 96 Resp: 109207

Ion	Ratio	Lower	Upper
96	100		
61	170.1	136.9	205.3
98	63.7	50.2	75.4

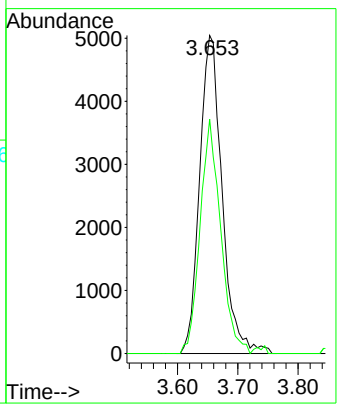




#13
Acrolein
Concen: 145.056 ug/l
RT: 3.653 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 56 Resp: 13043

Ion	Ratio	Lower	Upper
56	100		
55	67.6	57.5	86.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

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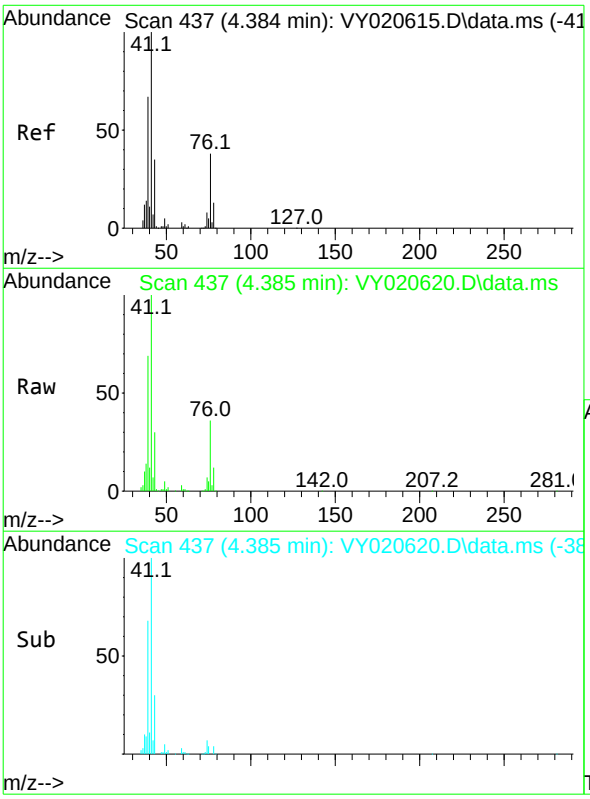
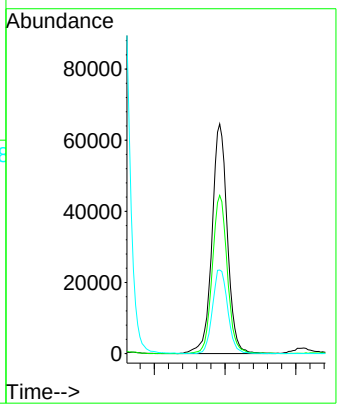
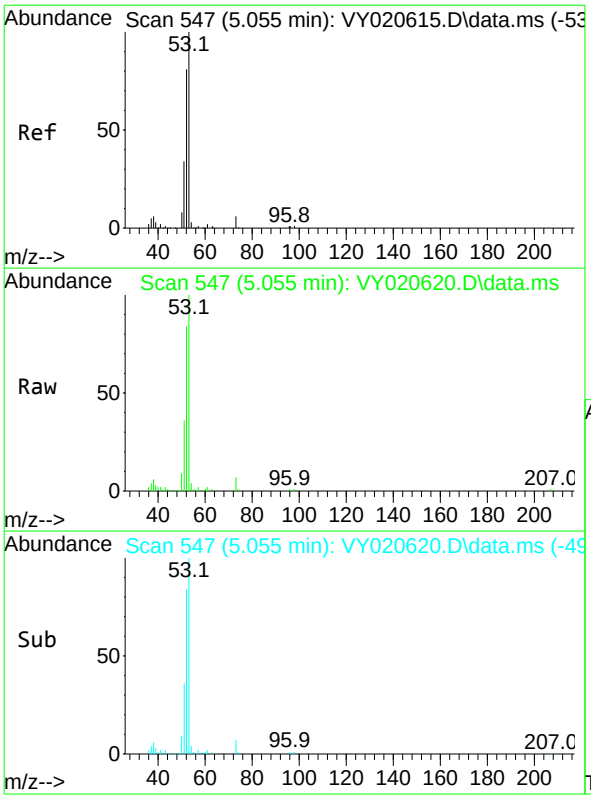


#14
Allyl chloride
Concen: 50.975 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 41 Resp: 194403

Ion	Ratio	Lower	Upper
41	100		
39	67.2	53.0	79.4
76	36.1	29.5	44.3





#15
Acrylonitrile
Concen: 211.661 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 53 Resp: 111135

Ion	Ratio	Lower	Upper
53	100		
52	82.3	64.5	96.7
51	36.6	29.4	44.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

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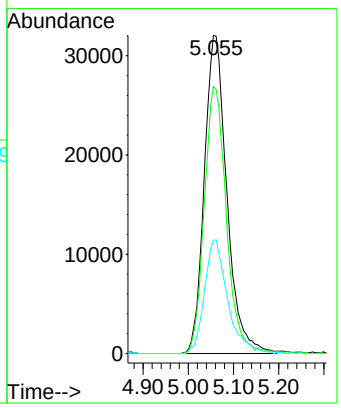
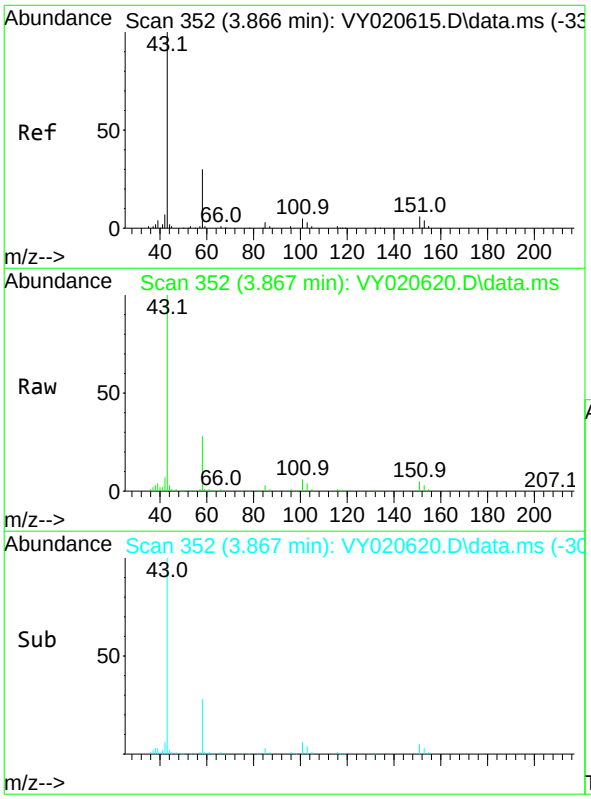
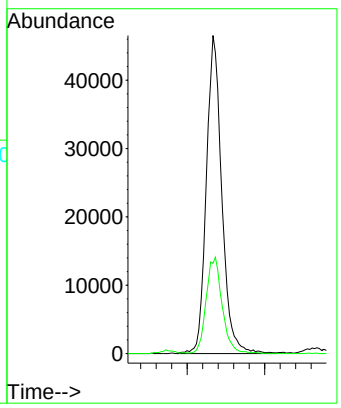


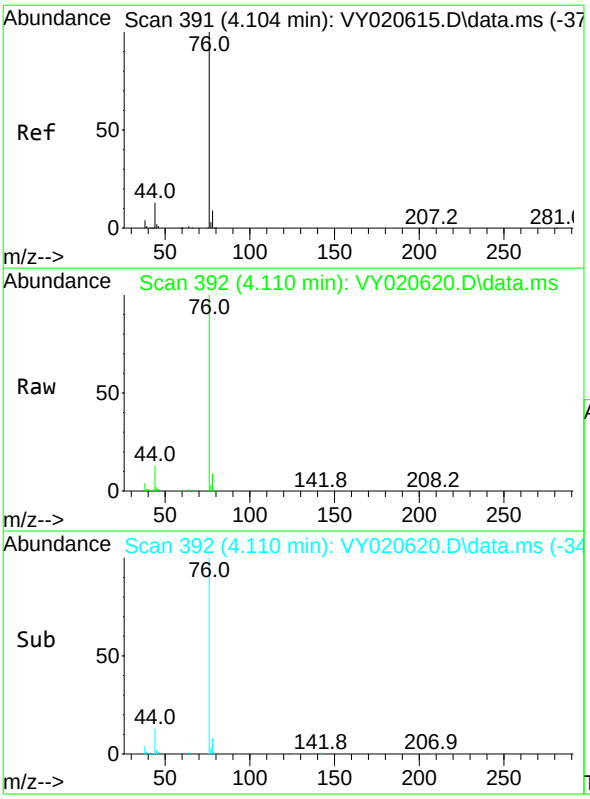


#16
Acetone
Concen: 343.570 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.001 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 43 Resp: 128884

Ion	Ratio	Lower	Upper
43	100		
58	28.4	25.0	37.6

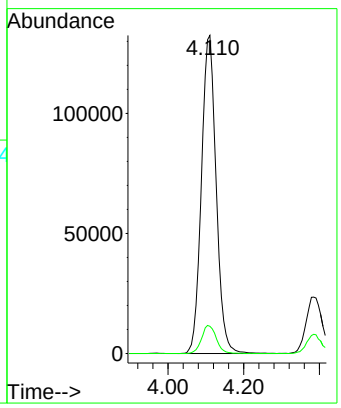




#17
Carbon Disulfide
Concen: 50.444 ug/l
RT: 4.110 min Scan# 39
Delta R.T. 0.007 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 76 Resp: 357372

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
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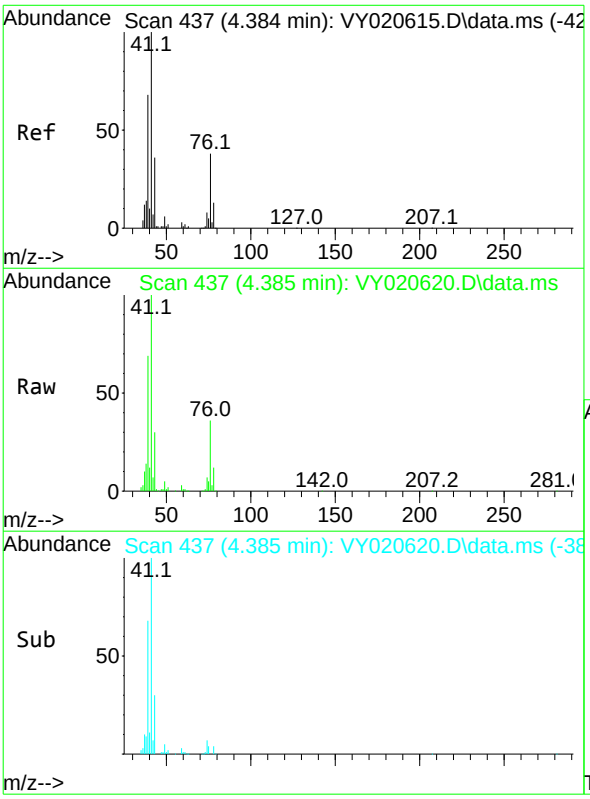
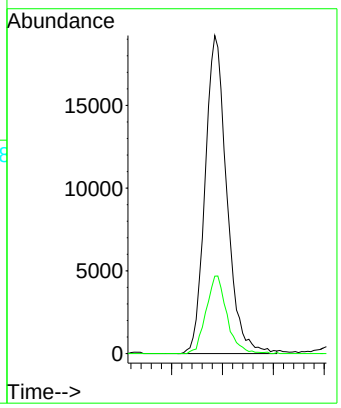
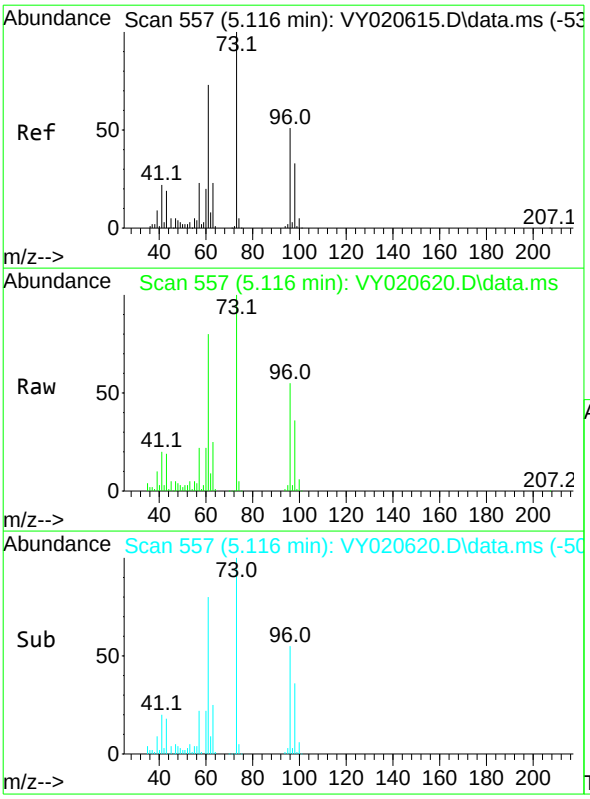


#18
Methyl Acetate
Concen: 44.029 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 43 Resp: 56965

Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.2	28.8

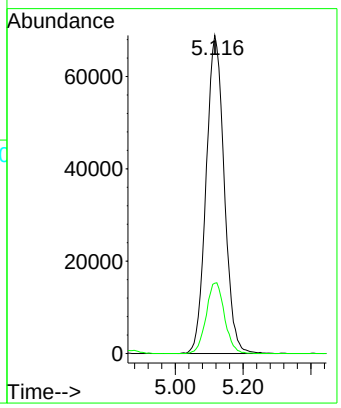




#19
Methyl tert-butyl Ether
Concen: 45.379 ug/l
RT: 5.116 min Scan# 55
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 73 Resp: 254917

Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.5	27.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

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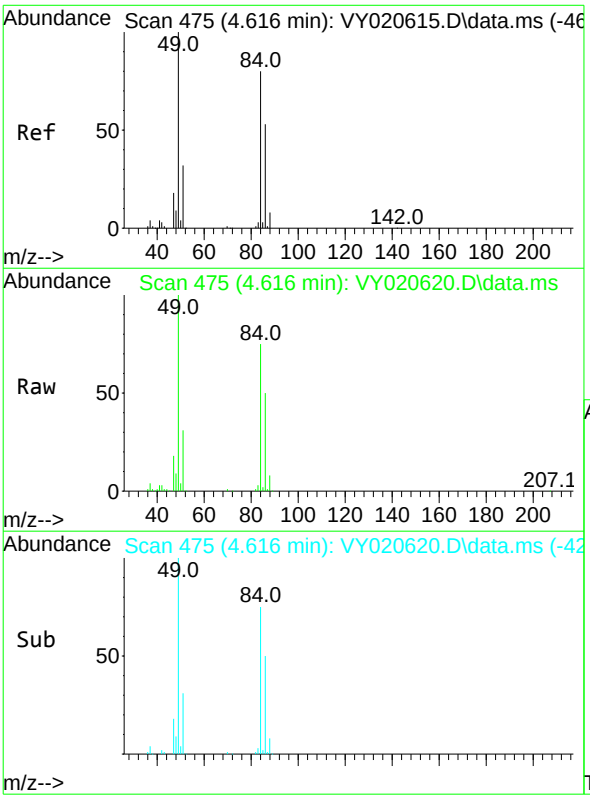
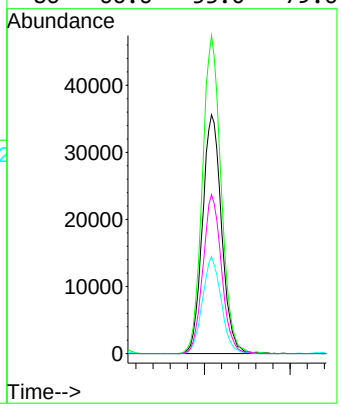
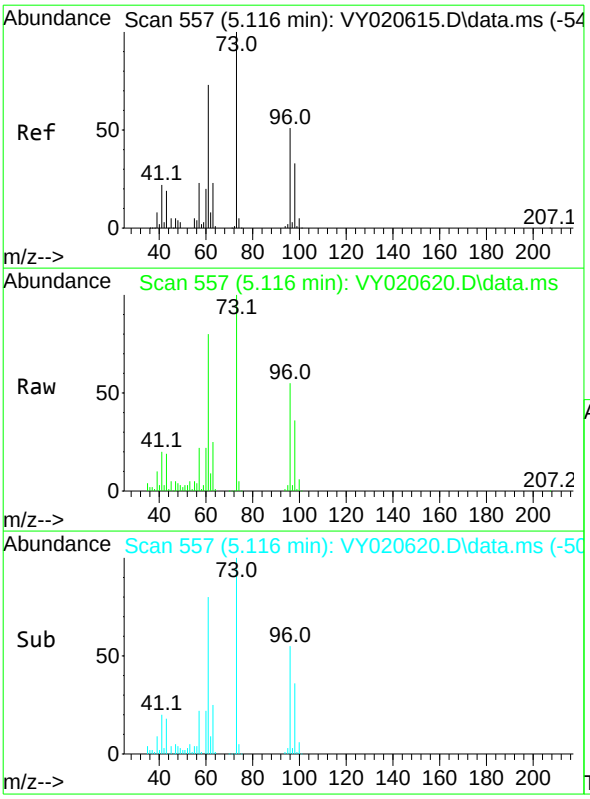


#20
Methylene Chloride
Concen: 46.658 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 84 Resp: 110314

Ion	Ratio	Lower	Upper
84	100		
49	133.2	100.7	151.1
51	40.6	32.2	48.2
86	66.6	53.0	79.6

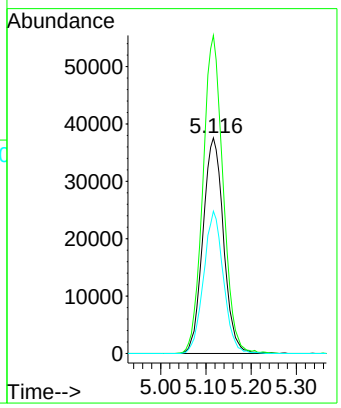




#21
trans-1,2-Dichloroethene
Concen: 48.656 ug/l
RT: 5.116 min Scan# 55
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 96 Resp: 118791

Ion	Ratio	Lower	Upper
96	100		
61	147.4	113.7	170.5
98	66.0	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

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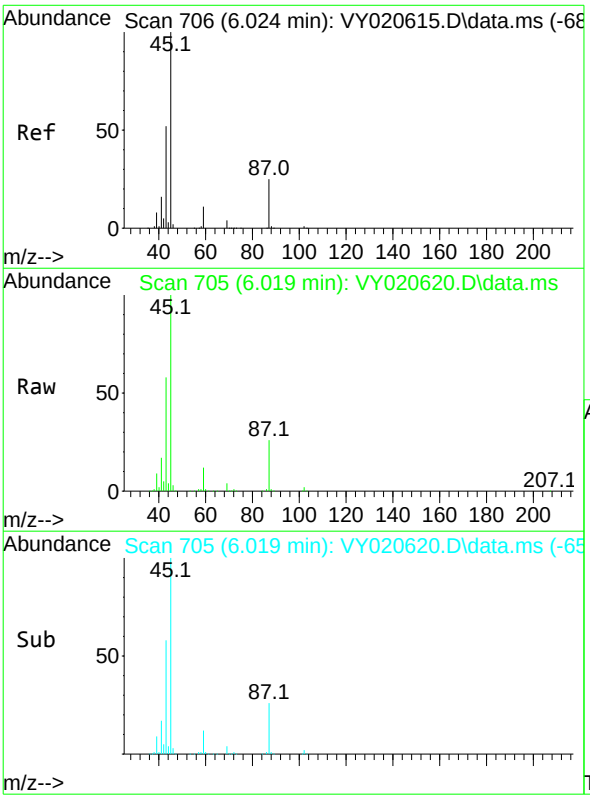
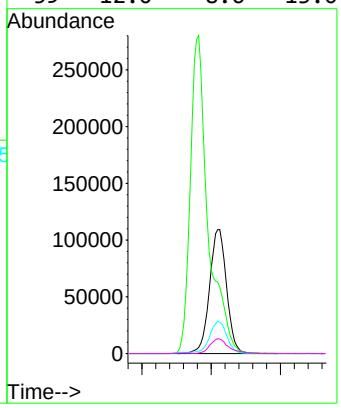
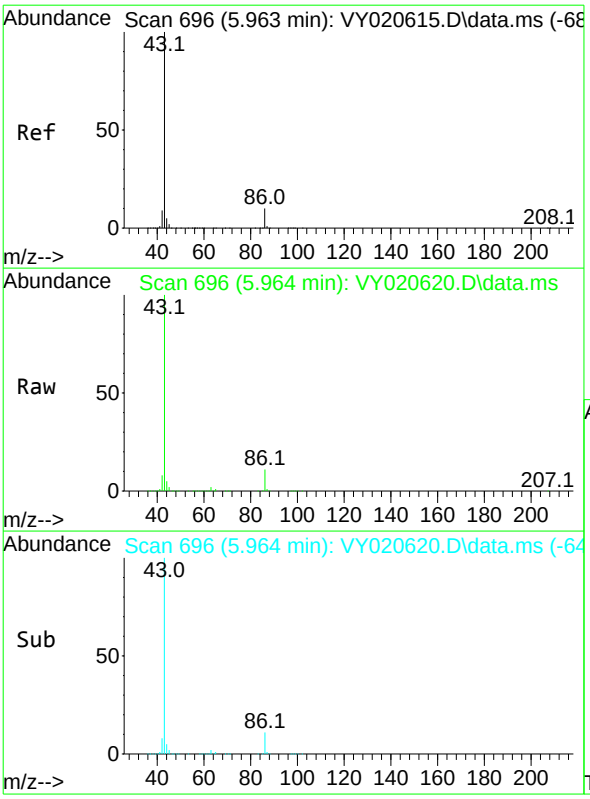


#22
Diisopropyl ether
Concen: 48.223 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 45 Resp: 373306

Ion	Ratio	Lower	Upper
45	100		
43	57.4	42.6	64.0
87	26.3	20.6	31.0
59	12.0	8.6	13.0





#23
Vinyl Acetate
Concen: 226.581 ug/l
RT: 5.964 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 43 Resp: 993429

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
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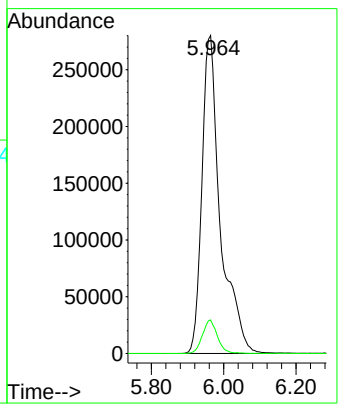
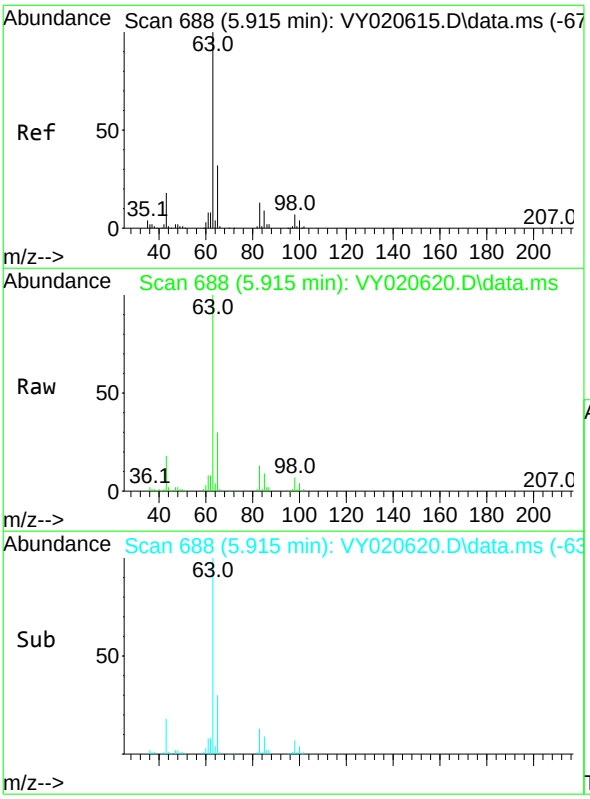
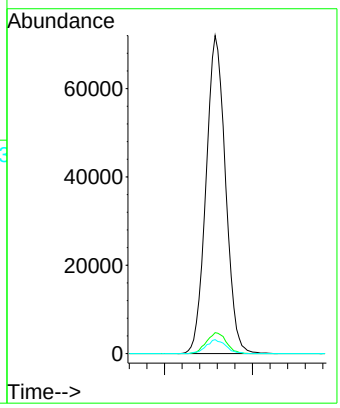


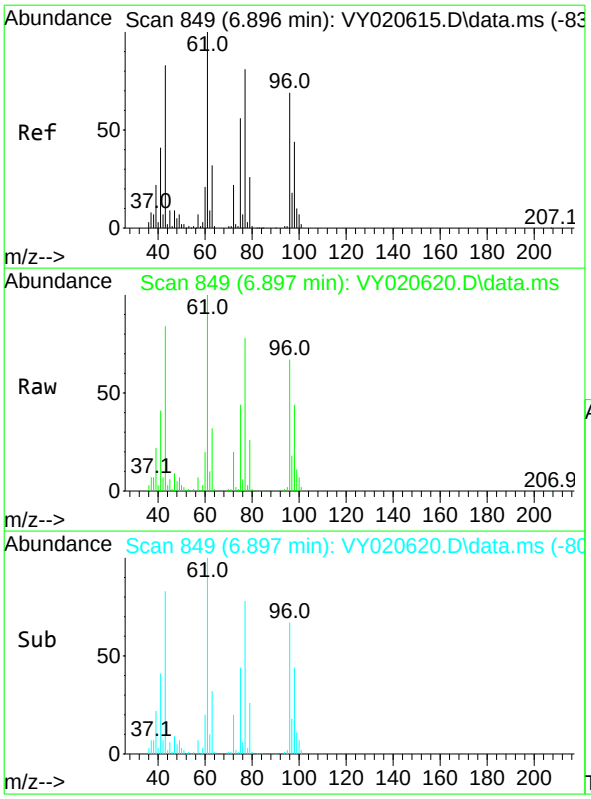


#24
1,1-Dichloroethane
Concen: 48.802 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 63 Resp: 221322

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.1
100	4.4	2.1	6.5

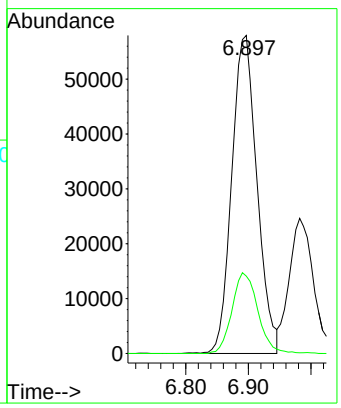




#25
2-Butanone
Concen: 230.232 ug/l
RT: 6.897 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 43 Resp: 162705

Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.6	31.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

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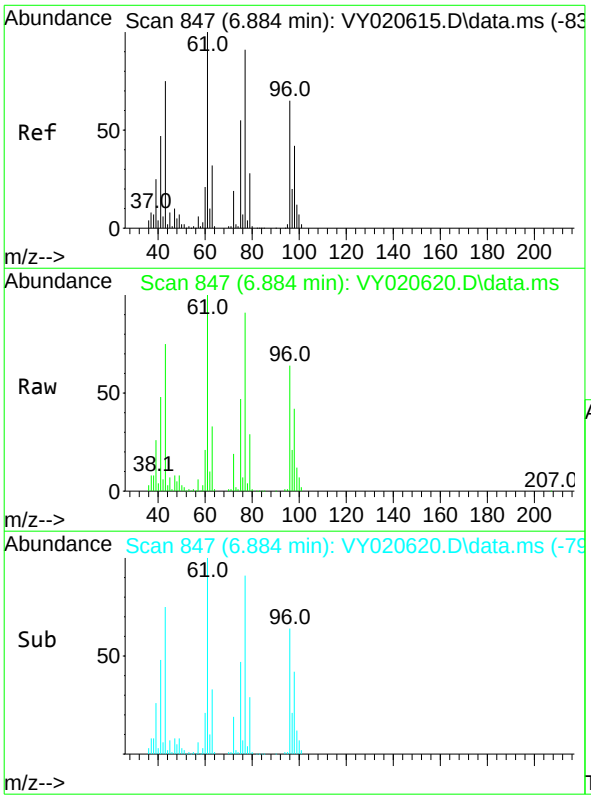
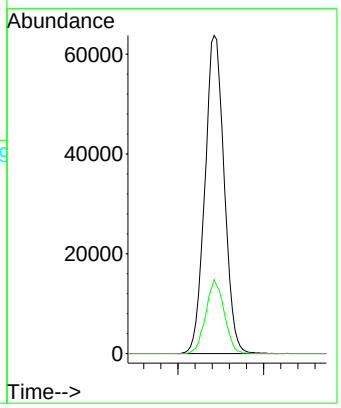
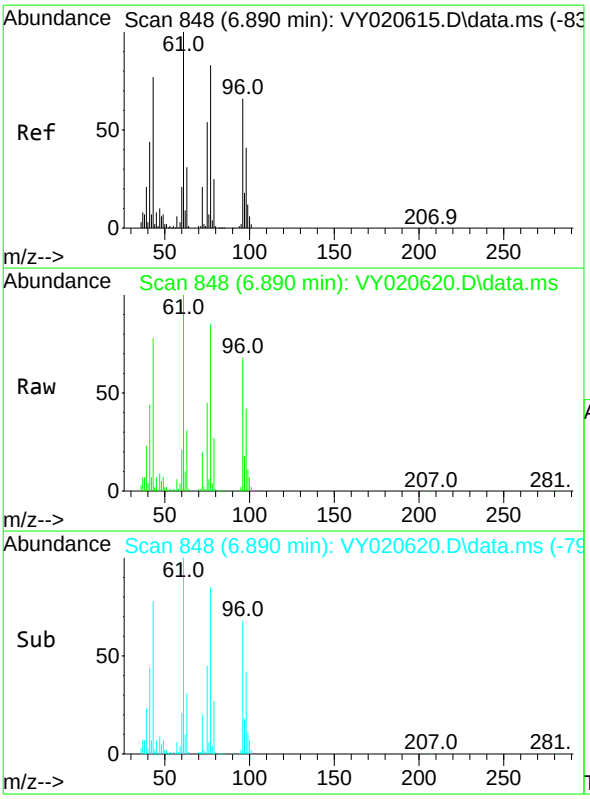


#26
2,2-Dichloropropane
Concen: 46.471 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 77 Resp: 199229

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.9	32.6

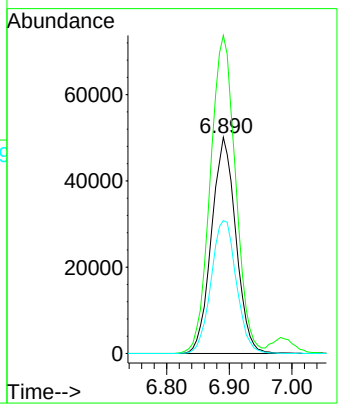




#27
cis-1,2-Dichloroethene
Concen: 48.202 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 96 Resp: 135394

Ion	Ratio	Lower	Upper
96	100		
61	152.6	0.0	306.2
98	63.9	0.0	127.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

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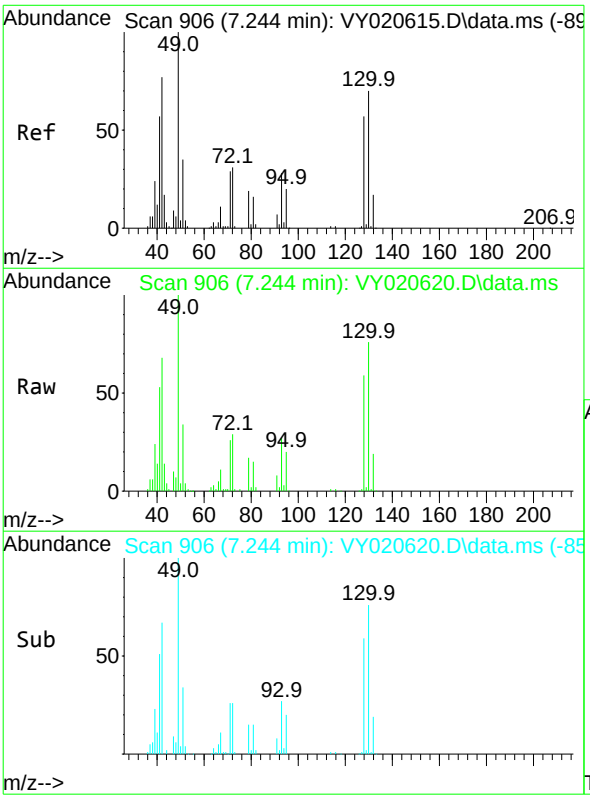
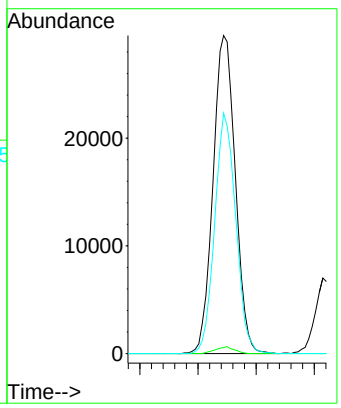
Supervised By :Mahesh Dadoda 12/18/2024

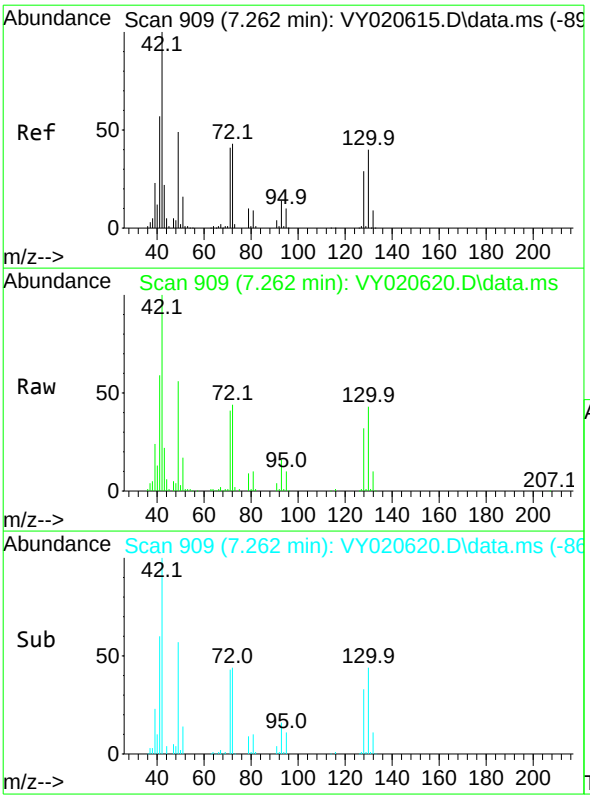


#28
Bromochloromethane
Concen: 51.402 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 49 Resp: 78629

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	71.6	58.3	87.5

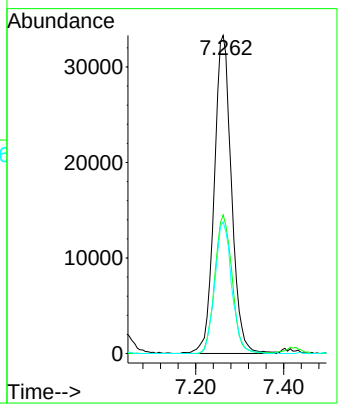




#29
Tetrahydrofuran
Concen: 203.060 ug/l
RT: 7.262 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 42 Resp: 90590

Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.0	51.0
71	40.8	31.6	47.4



Instrument :
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ClientSampleId :
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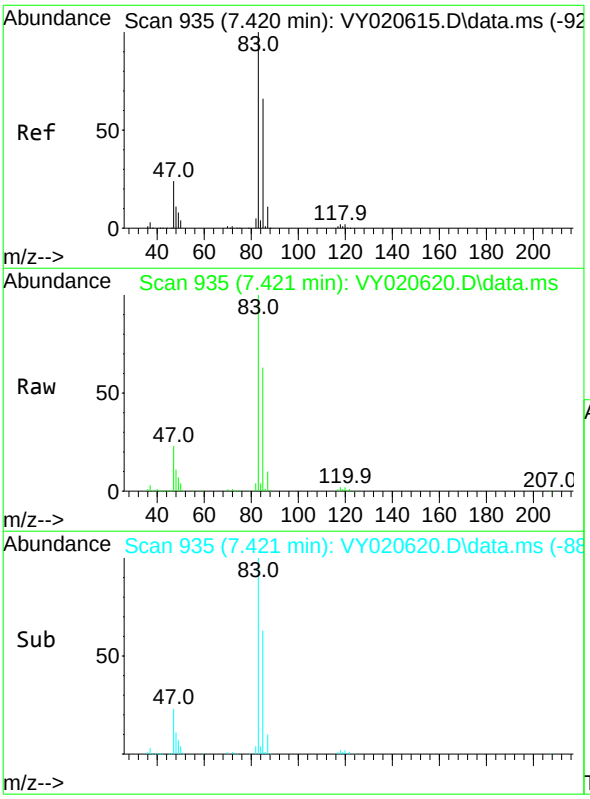
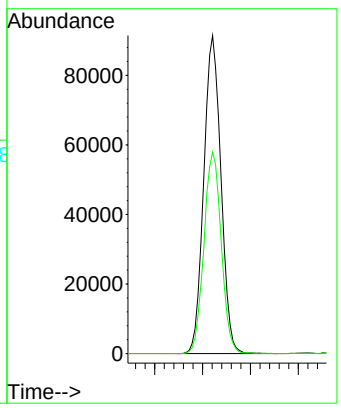
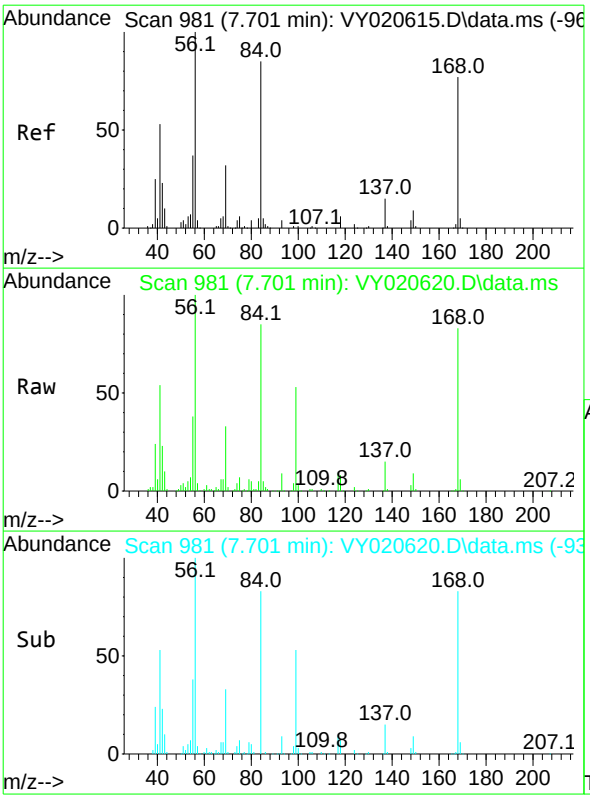


#30
Chloroform
Concen: 49.995 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.001 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 83 Resp: 227671

Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.7	79.1





#31
Cyclohexane
Concen: 45.921 ug/l
RT: 7.701 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 56 Resp: 199127

Ion	Ratio	Lower	Upper
56	100		
69	33.0	25.4	38.0
84	83.9	68.3	102.5

Instrument :
MSVOA_Y
ClientSampleId :
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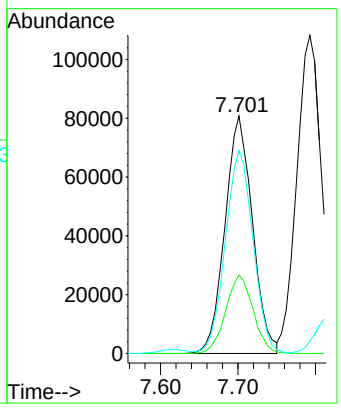
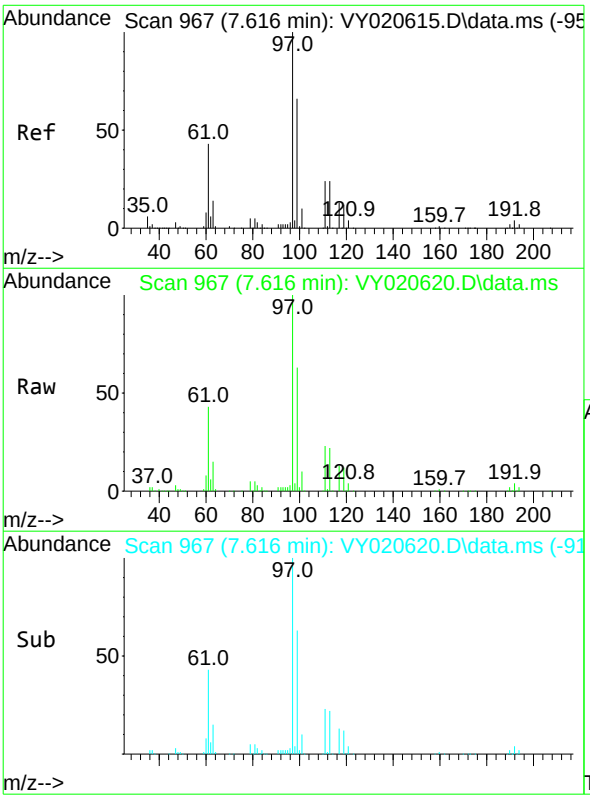
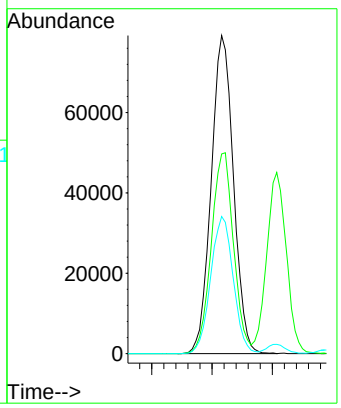


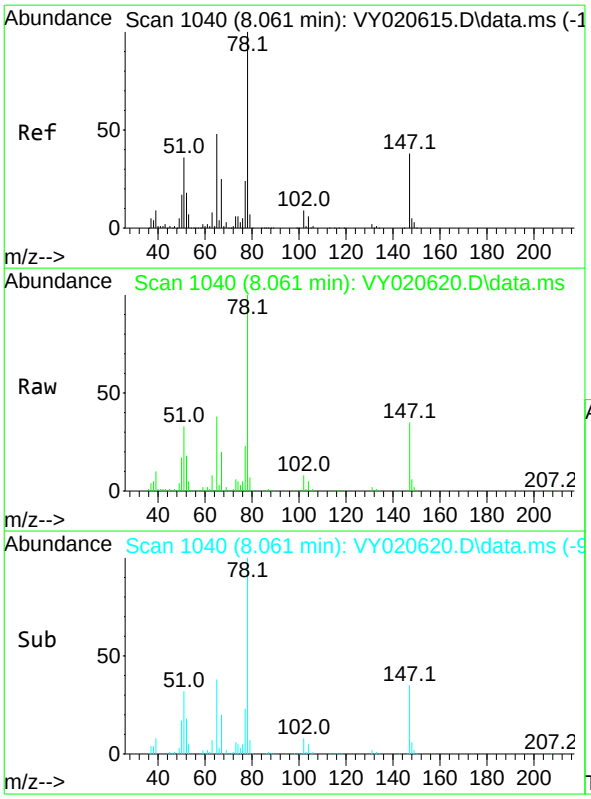


#32
1,1,1-Trichloroethane
Concen: 48.837 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 97 Resp: 203477

Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.6	77.4
61	43.6	34.7	52.1





#33
1,2-Dichloroethane-d4
Concen: 41.971 ug/l
RT: 8.061 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 65 Resp: 79812

Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	108.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

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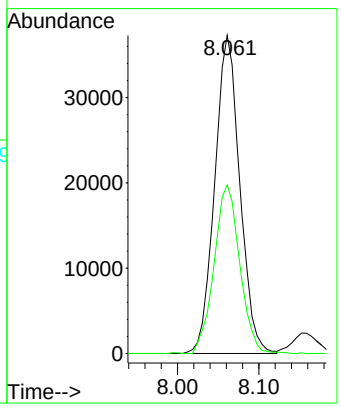
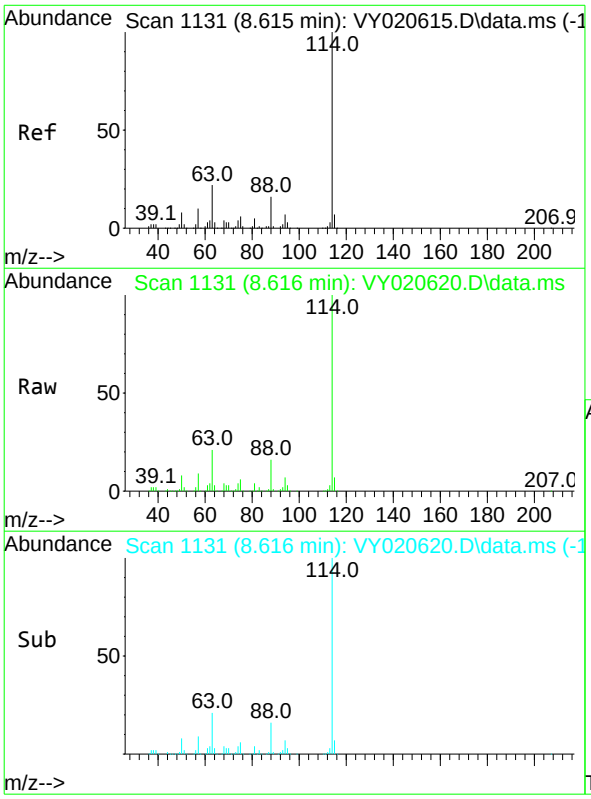
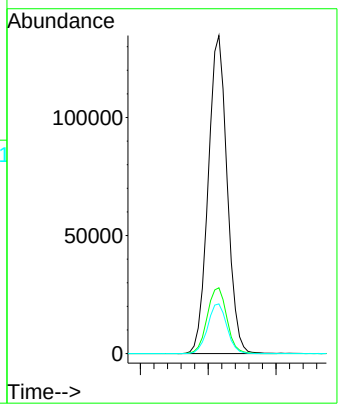


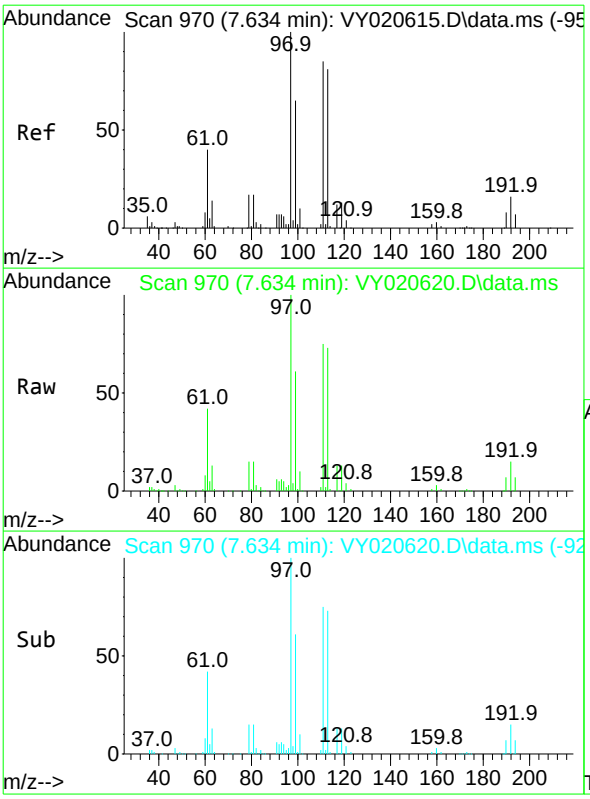


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:114 Resp: 261652

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	44.0
88	15.6	0.0	32.8

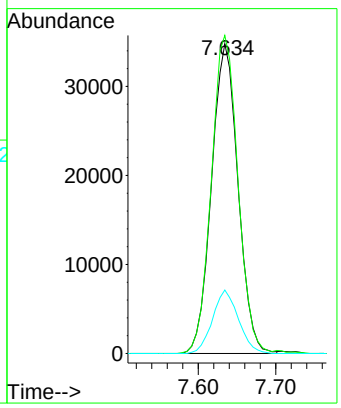




#35
Dibromofluoromethane
Concen: 44.743 ug/l
RT: 7.634 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:113 Resp: 82508

Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.9	124.3
192	20.0	15.7	23.5



Instrument :
MSVOA_Y
ClientSampleId :
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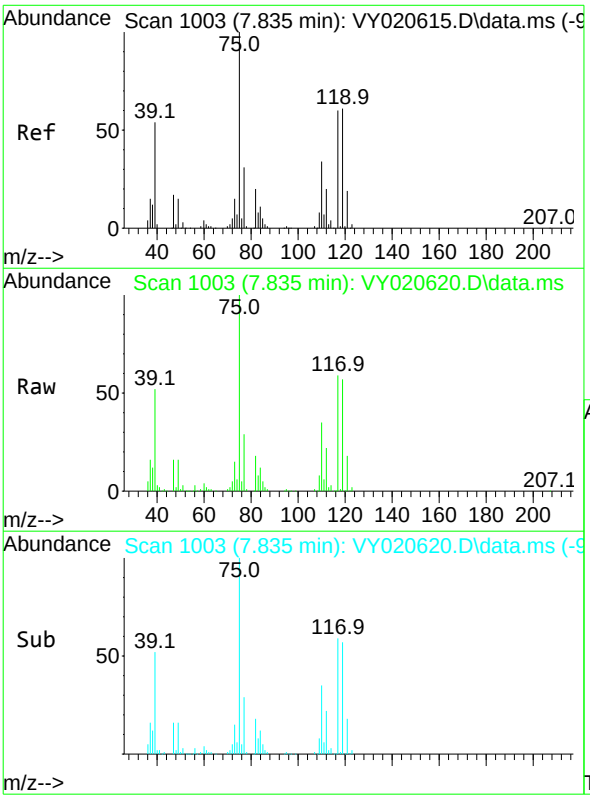
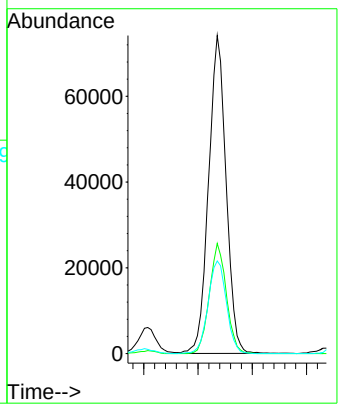
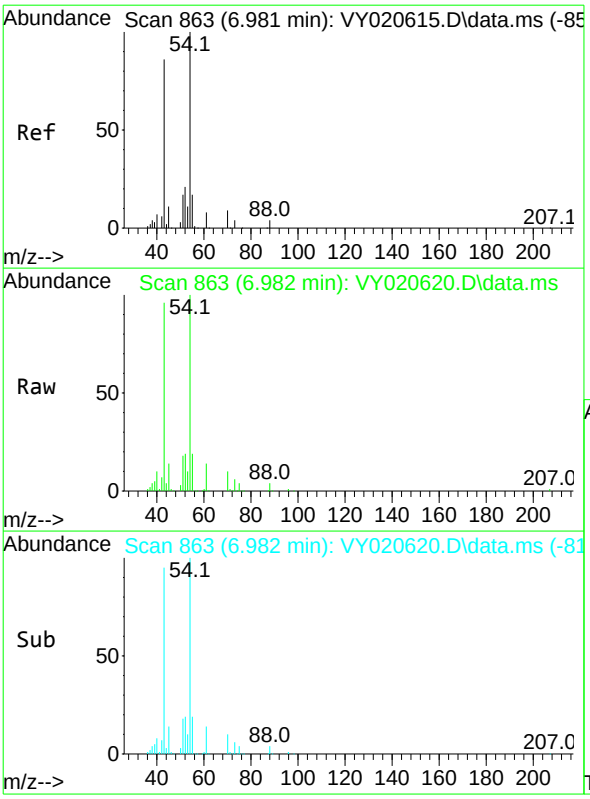


#36
1,1-Dichloropropene
Concen: 49.418 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 75 Resp: 166171

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.8	50.4
77	30.5	25.0	37.6

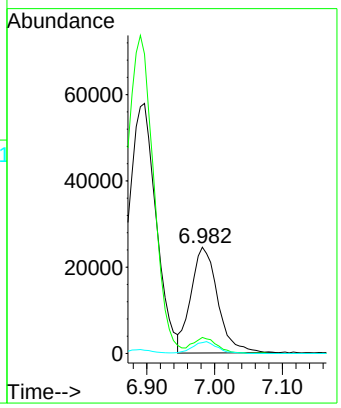




#37
Ethyl Acetate
Concen: 42.490 ug/l
RT: 6.982 min Scan# 86
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 43 Resp: 67205

Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.0	16.4
70	10.4	7.9	11.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

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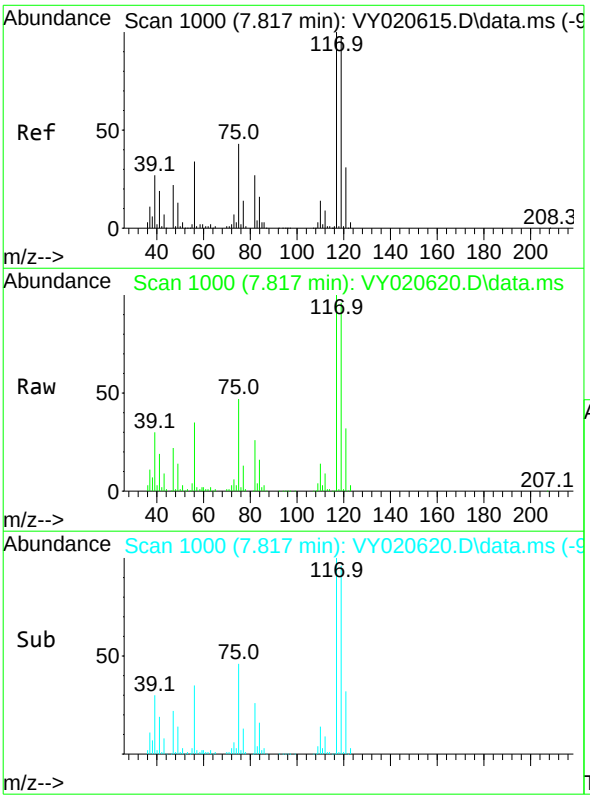
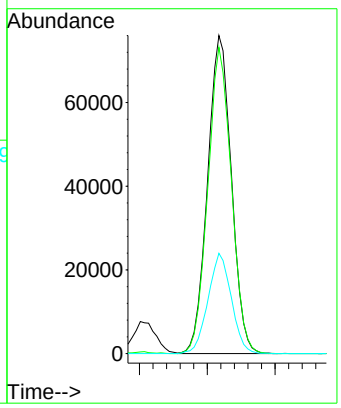
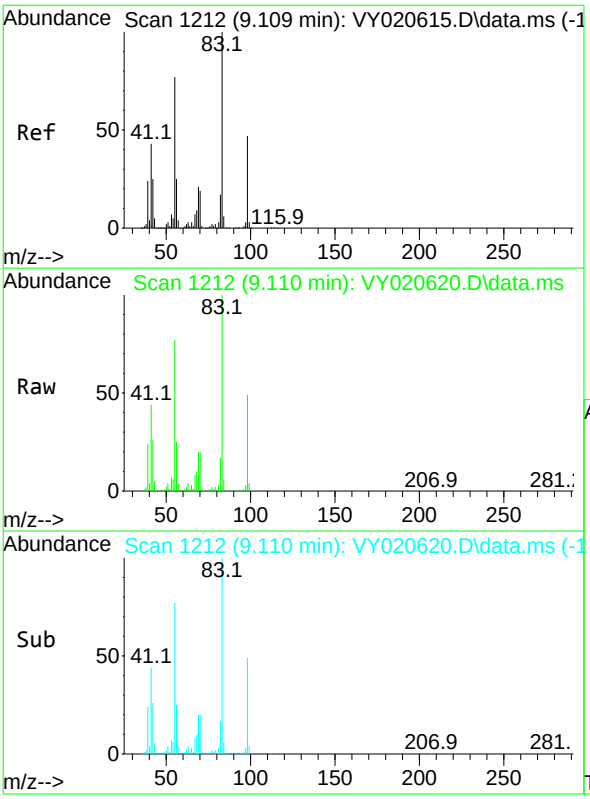


#38
Carbon Tetrachloride
Concen: 49.800 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:117 Resp: 185268

Ion	Ratio	Lower	Upper
117	100		
119	96.3	78.3	117.5
121	31.5	25.1	37.7





#39
Methylcyclohexane
Concen: 48.913 ug/l
RT: 9.110 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 83 Resp: 214365

Ion	Ratio	Lower	Upper
83	100		
55	76.6	61.4	92.0
98	49.2	37.3	55.9

Instrument :
MSVOA_Y
ClientSampleId :
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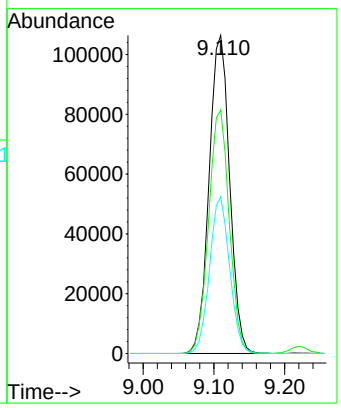
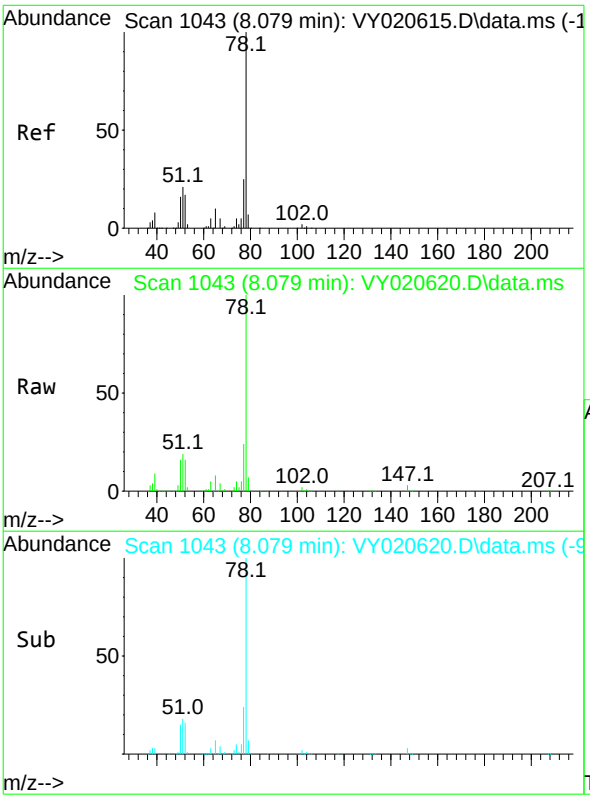
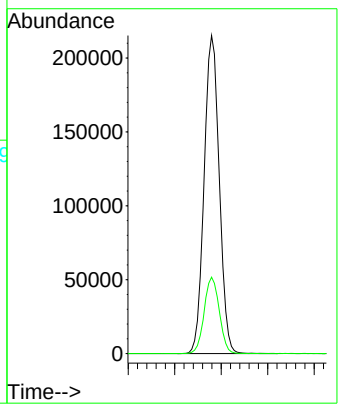


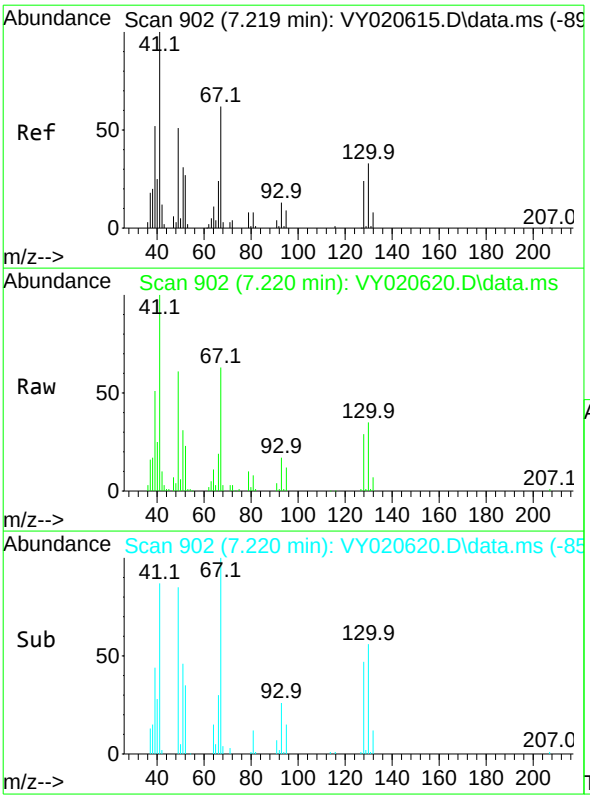


#40
Benzene
Concen: 49.357 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 78 Resp: 486468

Ion	Ratio	Lower	Upper
78	100		
77	24.0	20.1	30.1

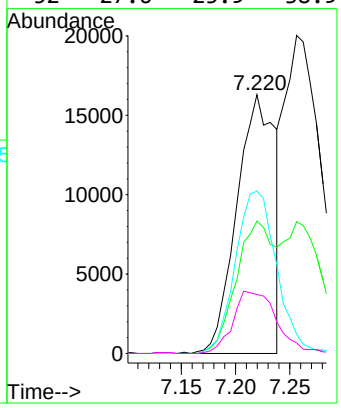




#41
Methacrylonitrile
Concen: 47.631 ug/l
RT: 7.220 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 41 Resp: 39828

Ion	Ratio	Lower	Upper
41	100		
39	51.2	53.6	80.4#
67	68.3	62.0	93.0
52	27.6	25.9	38.9



Instrument :
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ClientSampleId :
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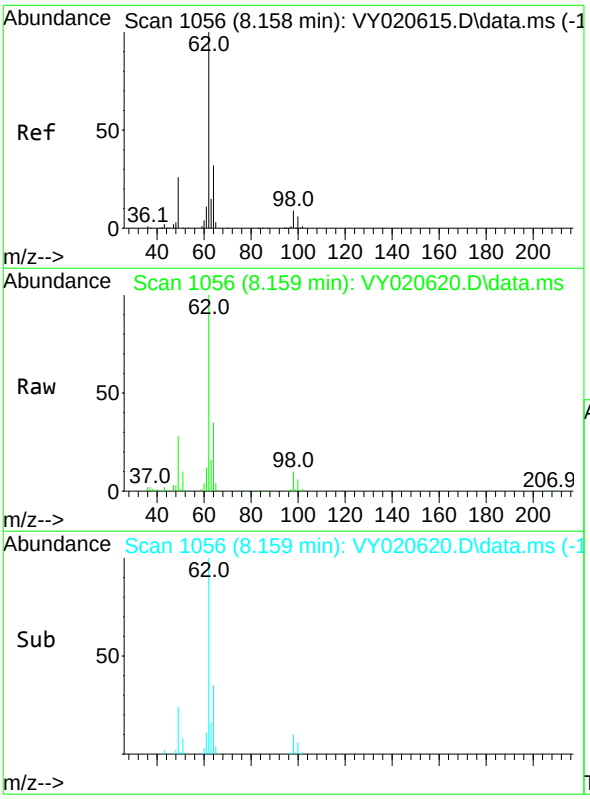
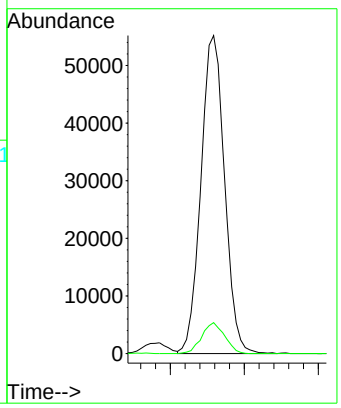
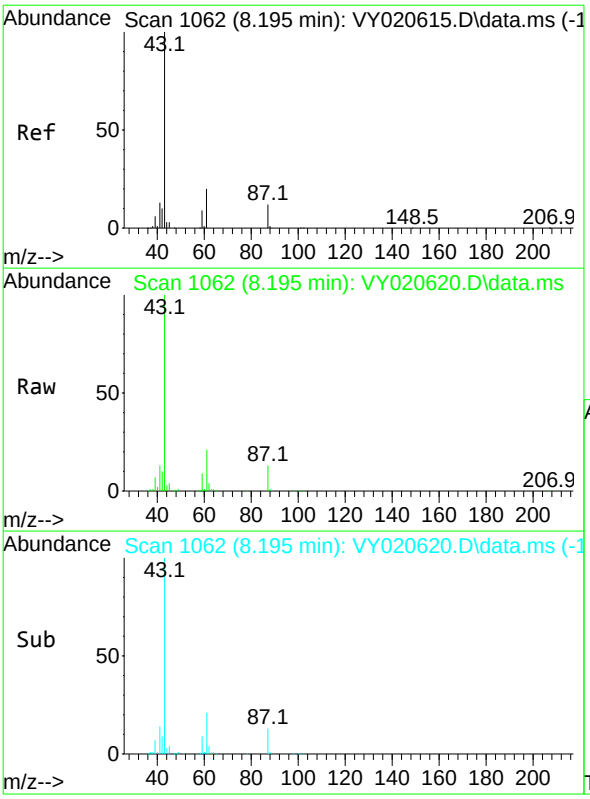


#42
1,2-Dichloroethane
Concen: 46.869 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 62 Resp: 122520

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.0

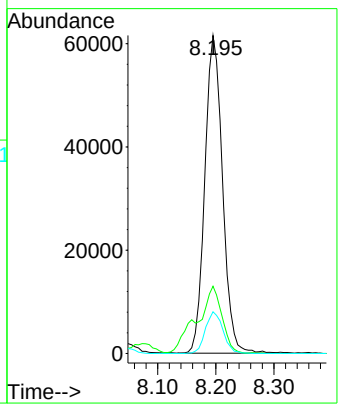




#43
Isopropyl Acetate
Concen: 43.528 ug/l
RT: 8.195 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 43 Resp: 130339

Ion	Ratio	Lower	Upper
43	100		
61	20.2	23.8	35.6#
87	13.1	10.2	15.4



Instrument :
MSVOA_Y
ClientSampleId :
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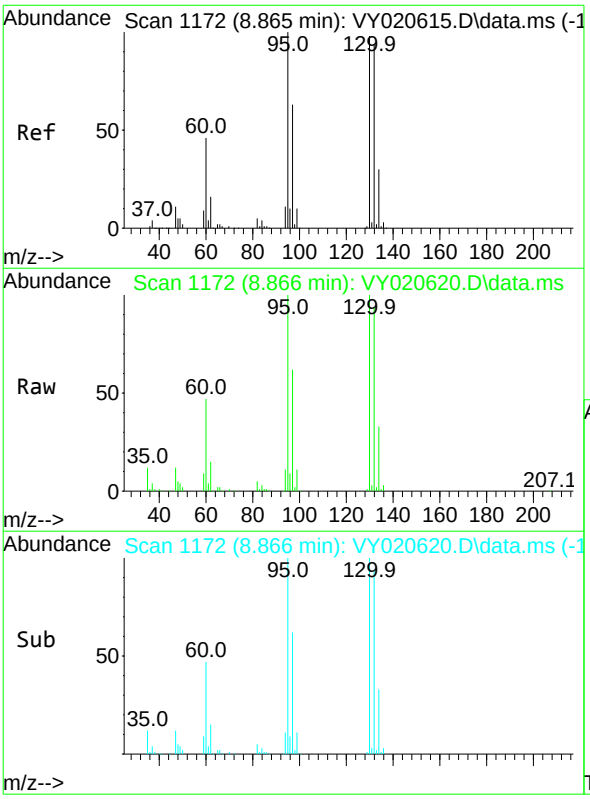
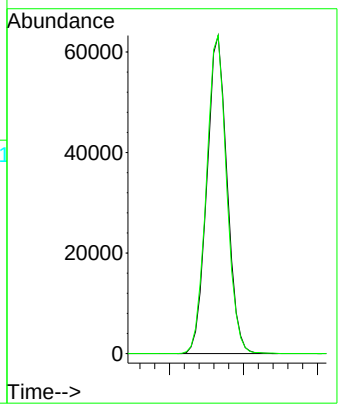
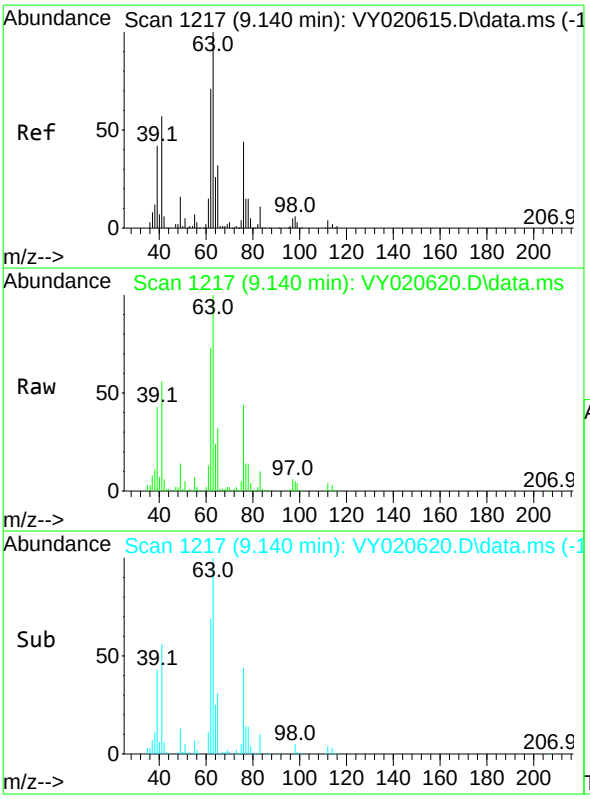


#44
Trichloroethene
Concen: 49.555 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:130 Resp: 120014

Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	203.2

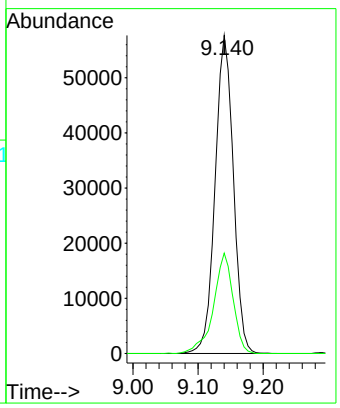




#45
1,2-Dichloropropane
Concen: 48.695 ug/l
RT: 9.140 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 63 Resp: 112171

Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

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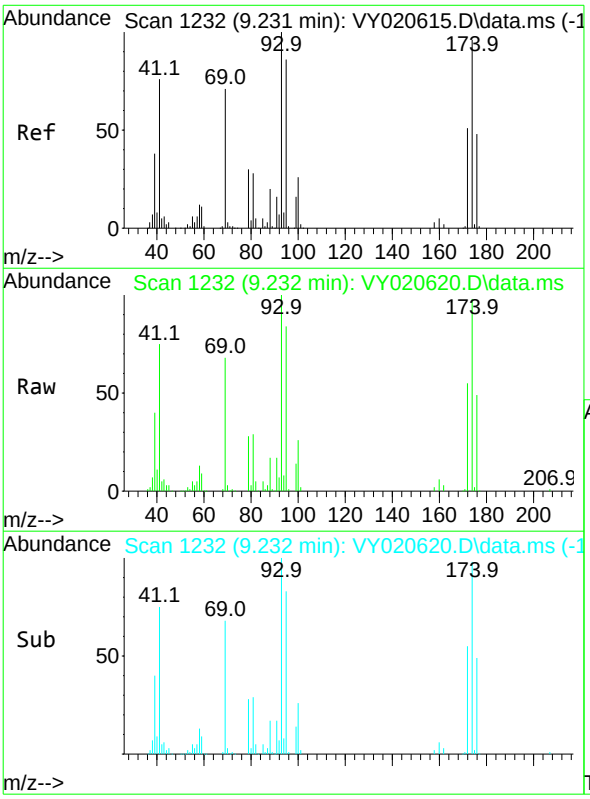
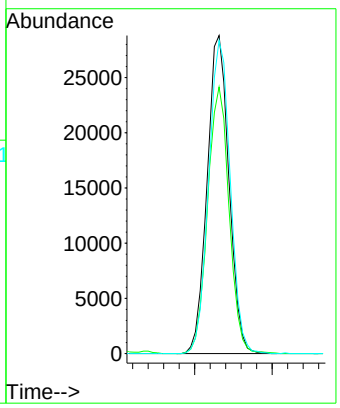
Reviewed By :Romaben Patel 12/18/2024
Supervised By :Mahesh Dadoda 12/18/2024

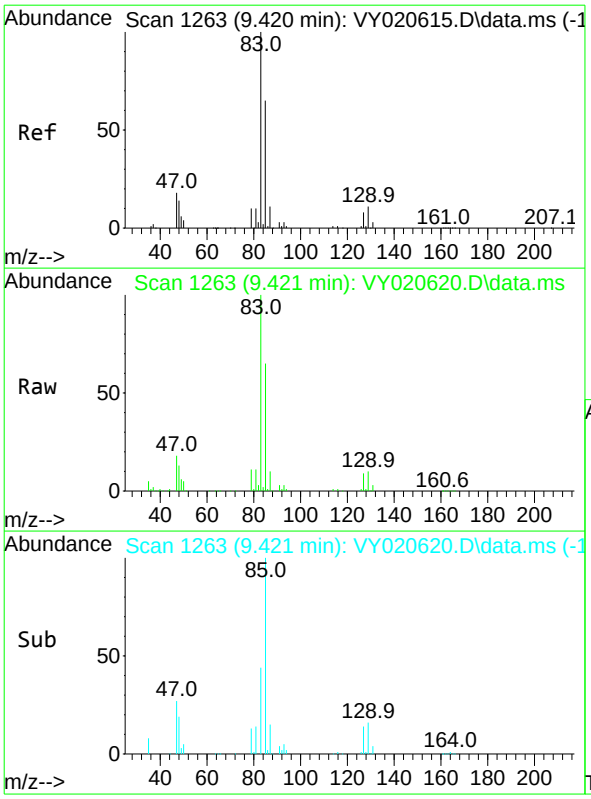


#46
Dibromomethane
Concen: 46.265 ug/l
RT: 9.232 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 93 Resp: 56323

Ion	Ratio	Lower	Upper
93	100		
95	82.4	66.7	100.1
174	97.6	77.8	116.6

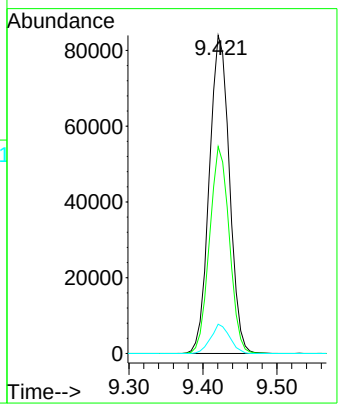




#47
Bromodichloromethane
Concen: 48.208 ug/l
RT: 9.421 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 83 Resp: 158529

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.1	78.1
127	9.2	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

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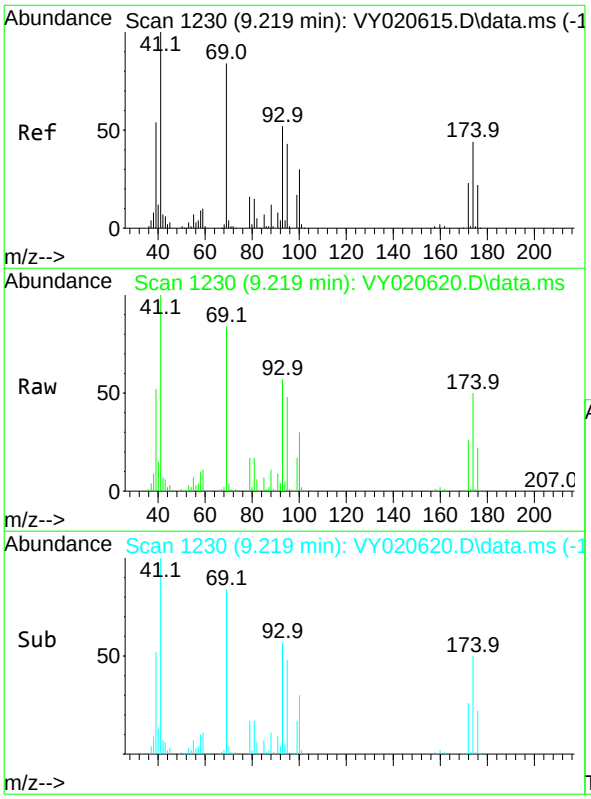
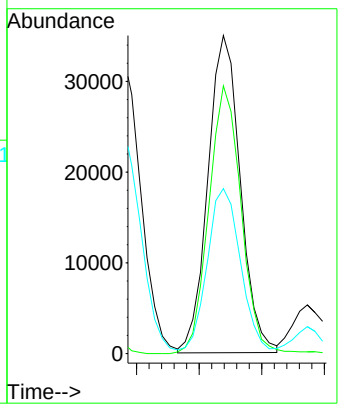
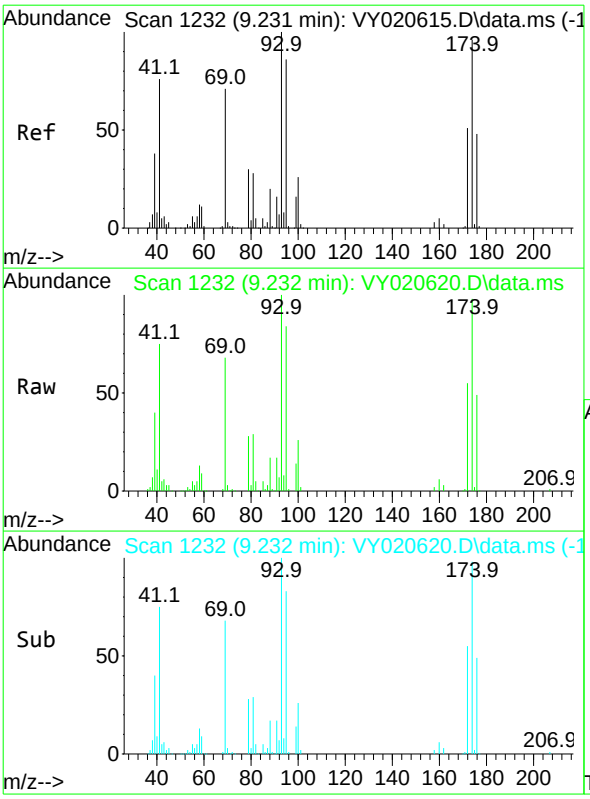


#48
Methyl methacrylate
Concen: 44.268 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 41 Resp: 63016

Ion	Ratio	Lower	Upper
41	100		
69	84.2	67.2	100.8
39	51.5	42.2	63.4

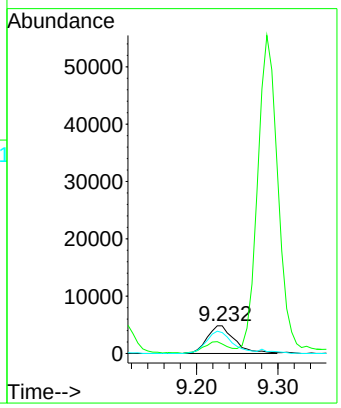




#49
1,4-Dioxane
Concen: 816.119 ug/l
RT: 9.232 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 88 Resp: 11394

Ion	Ratio	Lower	Upper
88	100		
43	38.7	27.6	41.4
58	75.9	61.7	92.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

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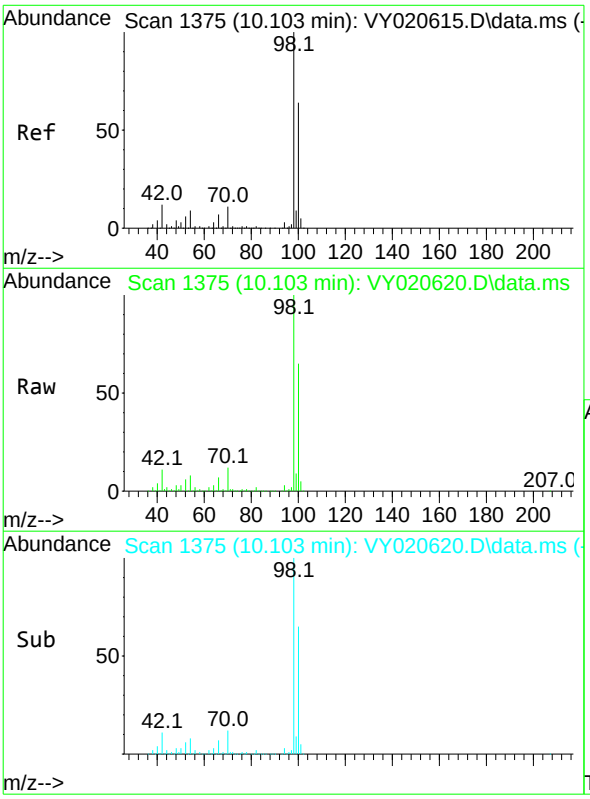
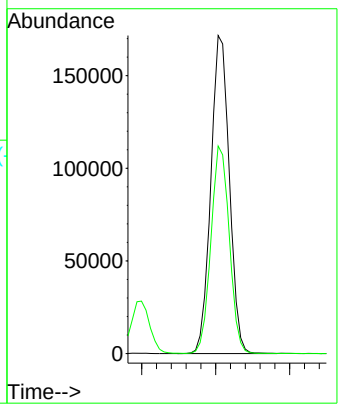
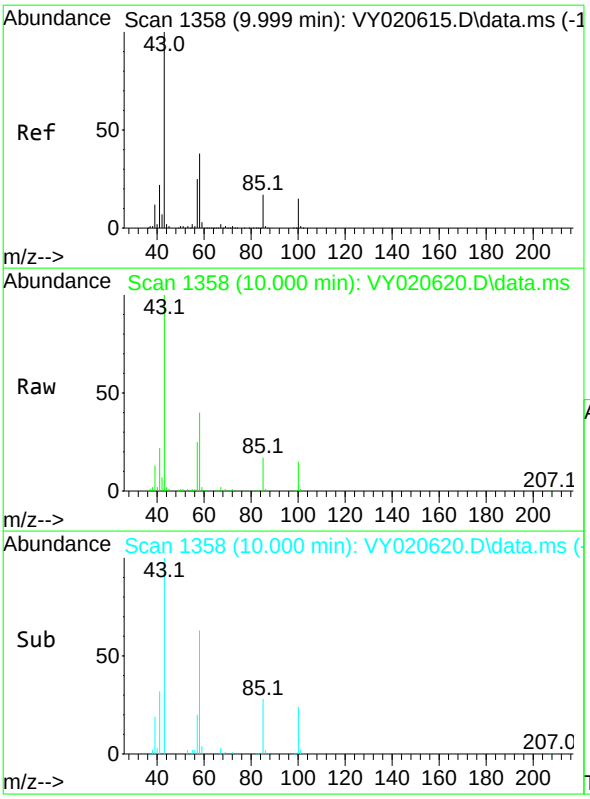


#50
Toluene-d8
Concen: 46.169 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 98 Resp: 297999

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 209.670 ug/l
RT: 10.000 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 43 Resp: 331396

Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.4	47.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

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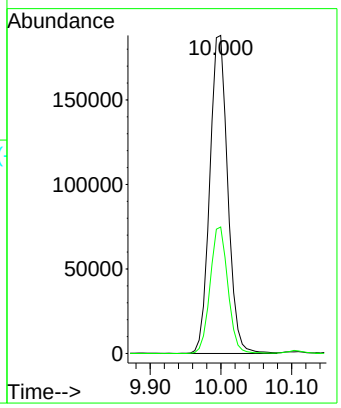
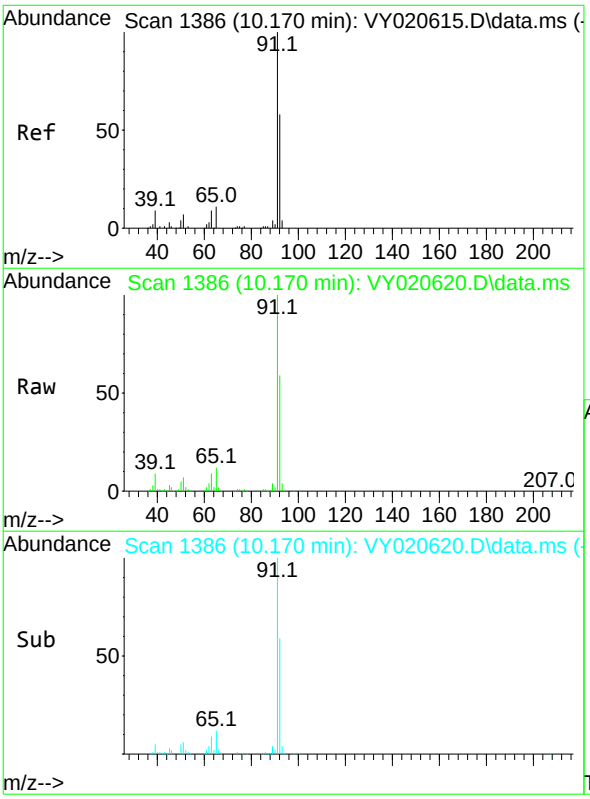
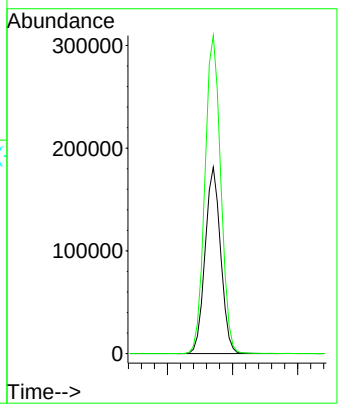


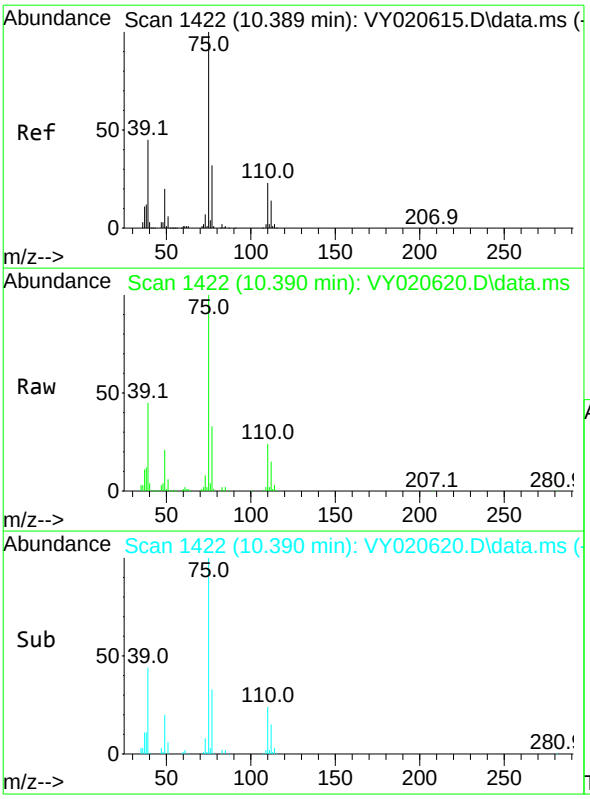


#52
Toluene
Concen: 49.073 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 92 Resp: 300584

Ion	Ratio	Lower	Upper
92	100		
91	173.8	137.4	206.0

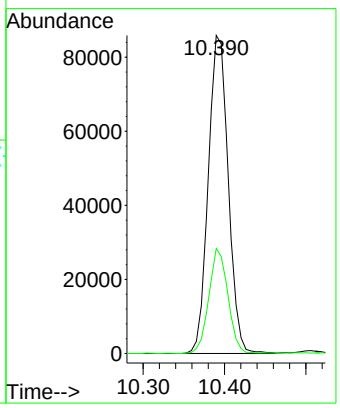




#53
t-1,3-Dichloropropene
Concen: 47.810 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 75 Resp: 146498

Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

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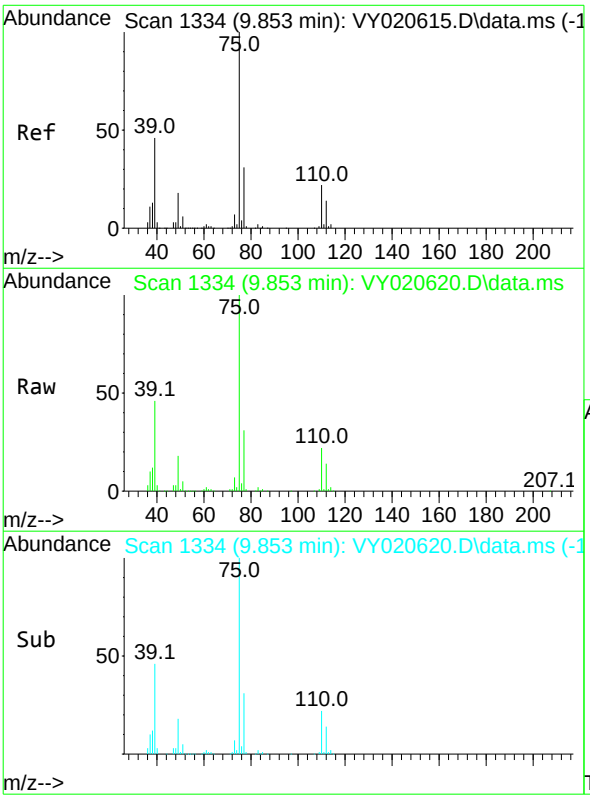
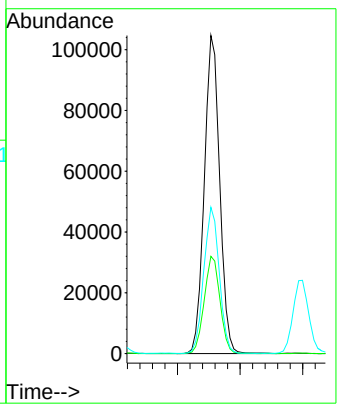
Supervised By :Mahesh Dadoda 12/18/2024

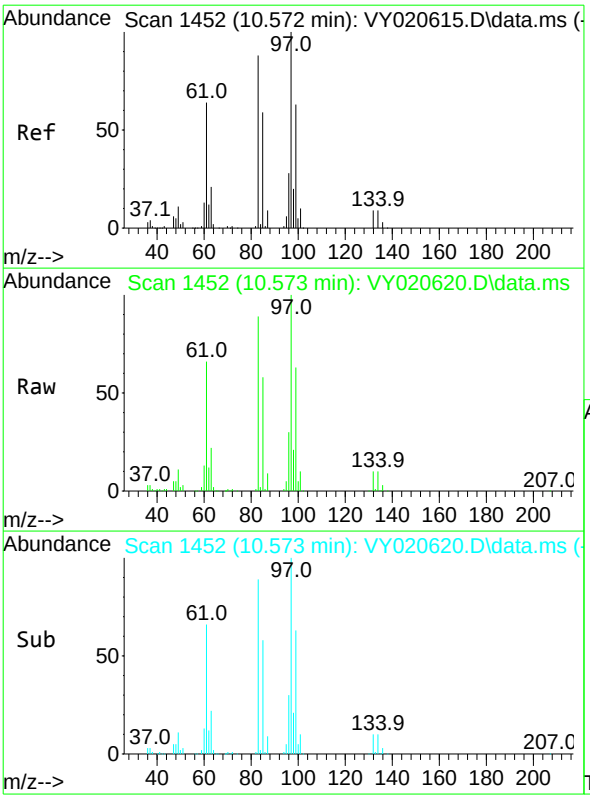


#54
cis-1,3-Dichloropropene
Concen: 49.184 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 75 Resp: 178584

Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.6	36.8
39	45.9	36.4	54.6

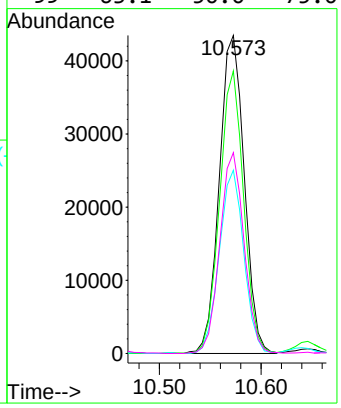




#55
1,1,2-Trichloroethane
Concen: 45.952 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 97 Resp: 73962

Ion	Ratio	Lower	Upper
97	100		
83	88.7	70.4	105.6
85	57.6	47.2	70.8
99	63.1	50.0	75.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

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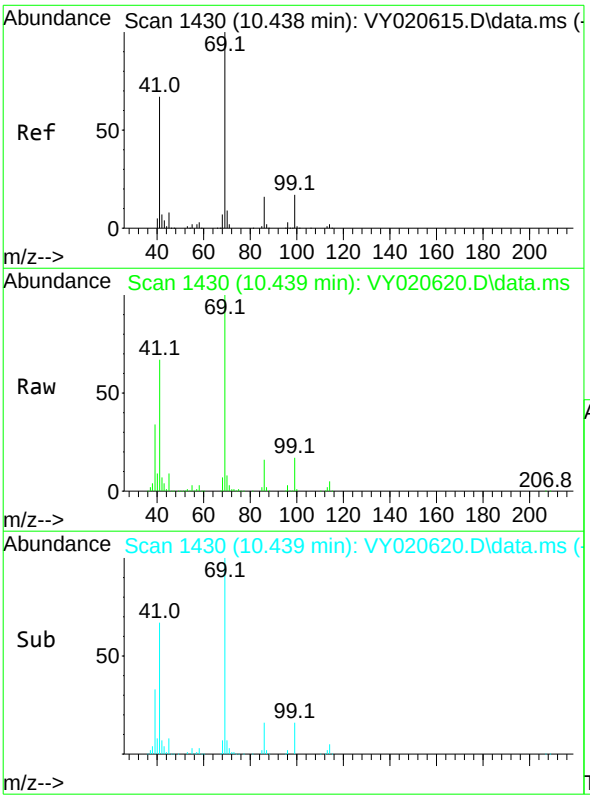
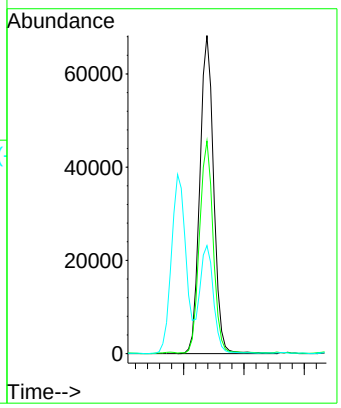
Supervised By :Mahesh Dadoda 12/18/2024

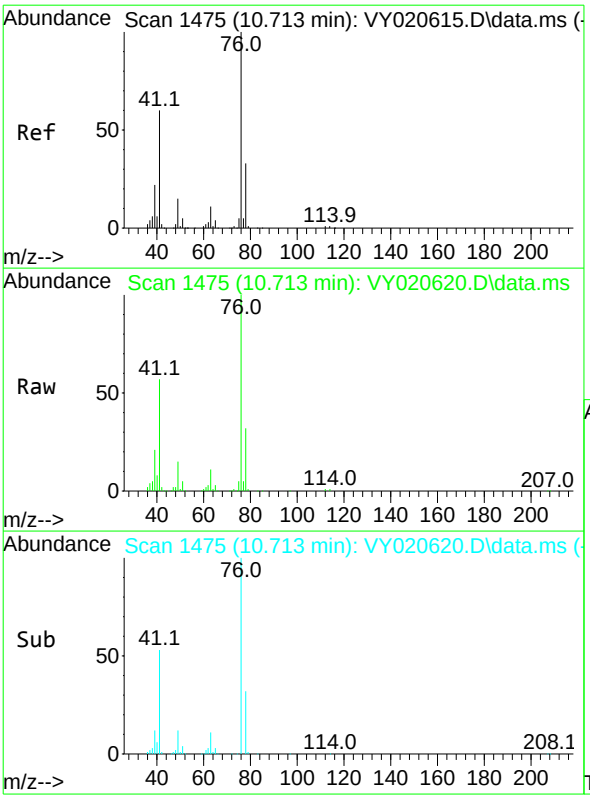


#56
Ethyl methacrylate
Concen: 46.525 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 69 Resp: 108638

Ion	Ratio	Lower	Upper
69	100		
41	65.7	54.0	81.0
39	34.3	27.9	41.9

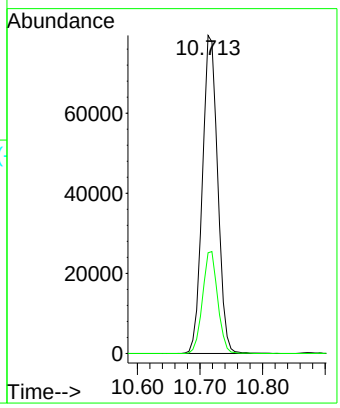




#57
1,3-Dichloropropane
Concen: 46.882 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 76 Resp: 134515

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

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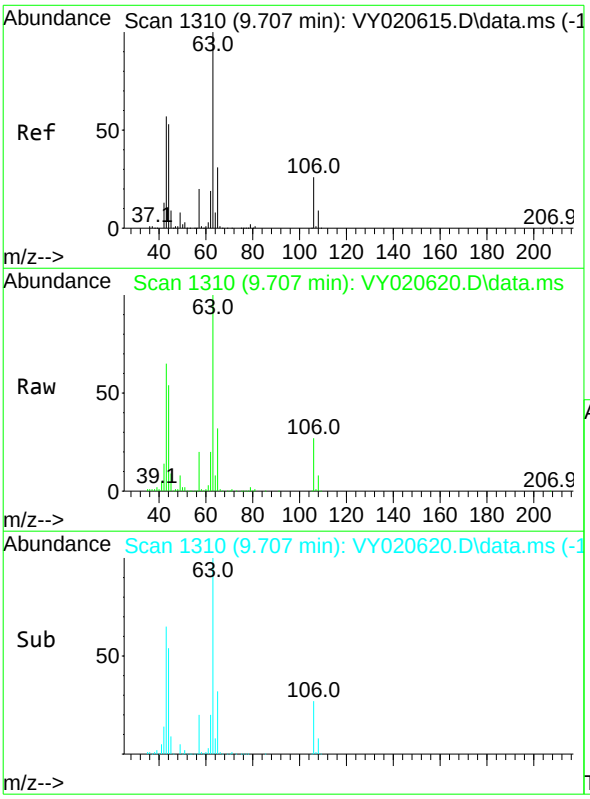
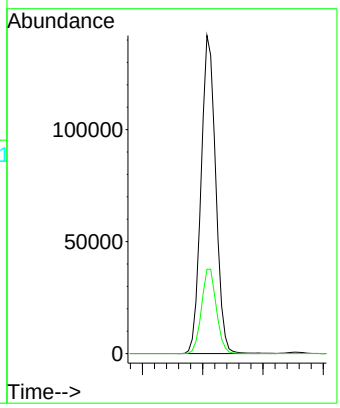
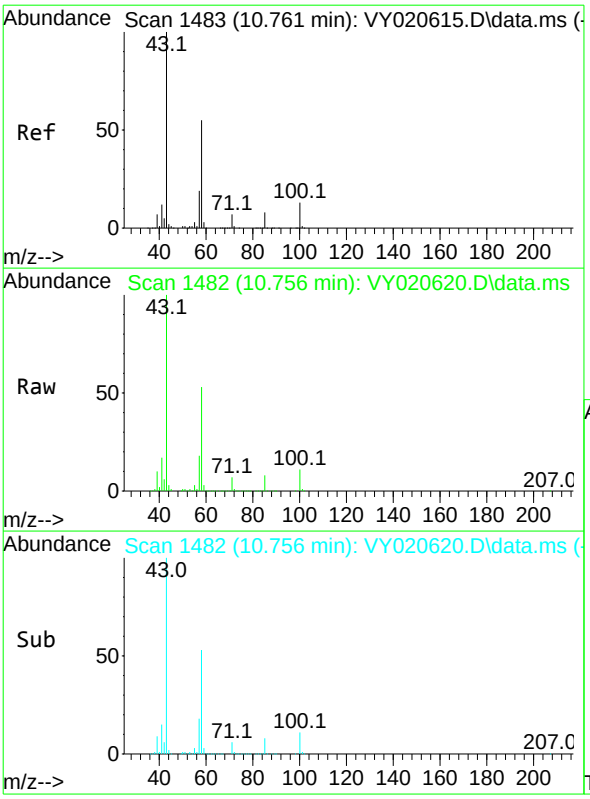


#58
2-Chloroethyl Vinyl ether
Concen: 243.610 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 63 Resp: 239347

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.5	32.3





#59
2-Hexanone
Concen: 236.822 ug/l
RT: 10.756 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 43 Resp: 240324

Ion	Ratio	Lower	Upper
43	100		
58	54.2	27.2	81.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

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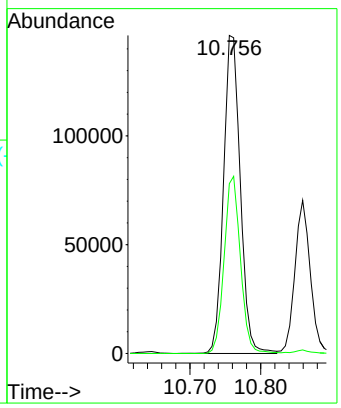
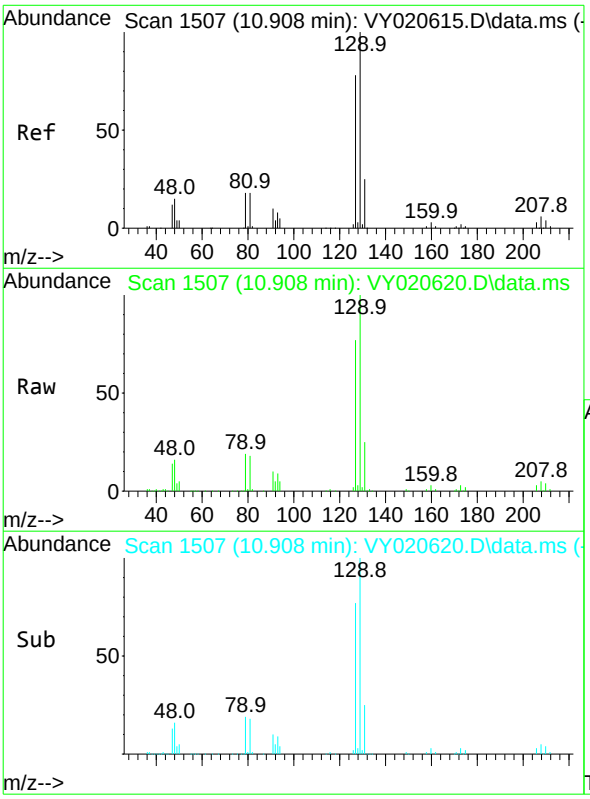
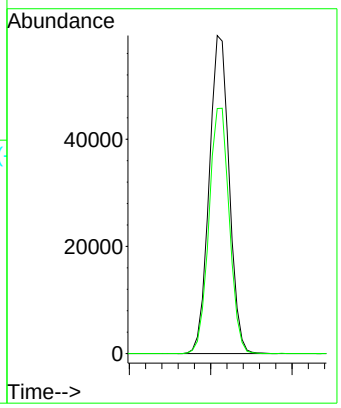


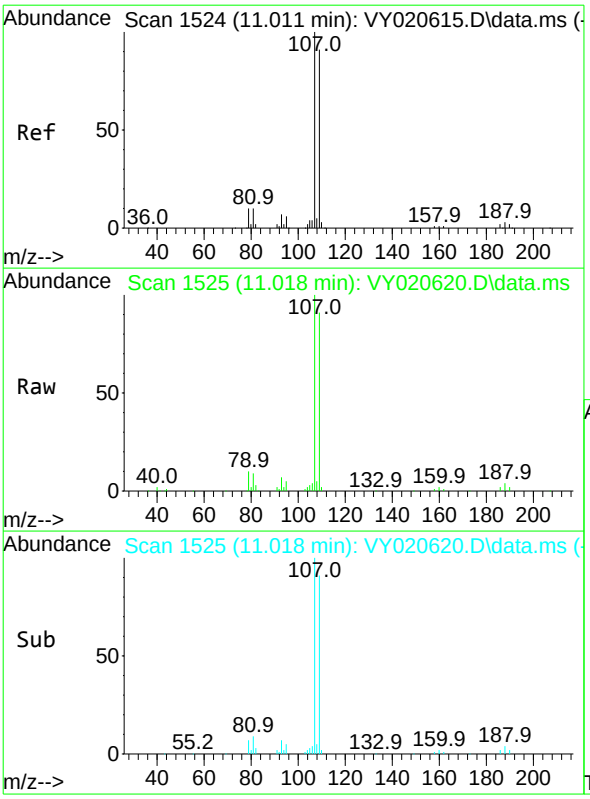


#60
Dibromochloromethane
Concen: 47.121 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:129 Resp: 101431

Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.1	114.3





#61
1,2-Dibromoethane
Concen: 45.952 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.007 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:107 Resp: 68798

Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.4	113.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Manual Integrations
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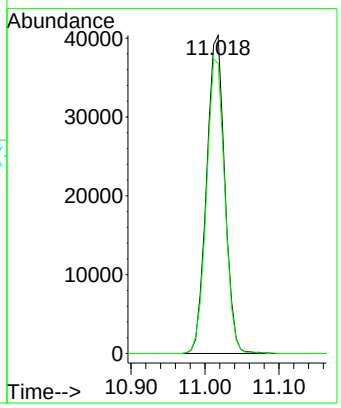
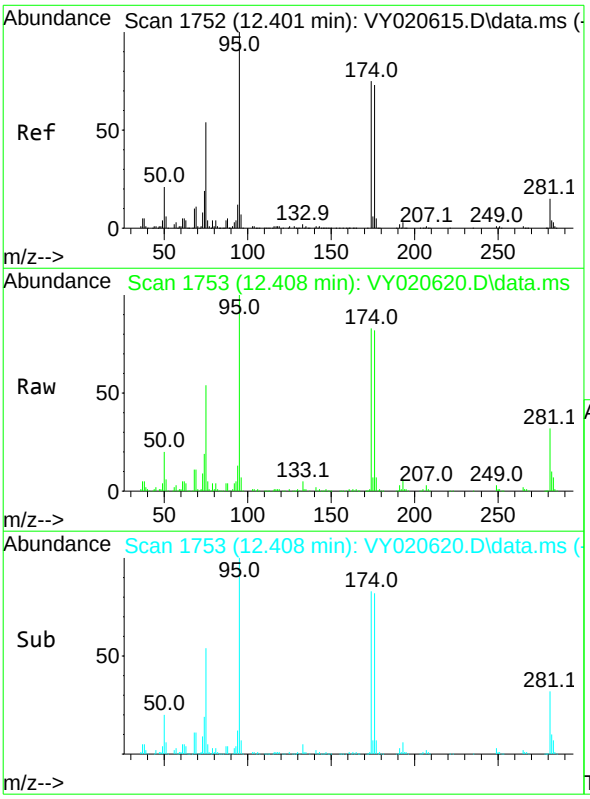
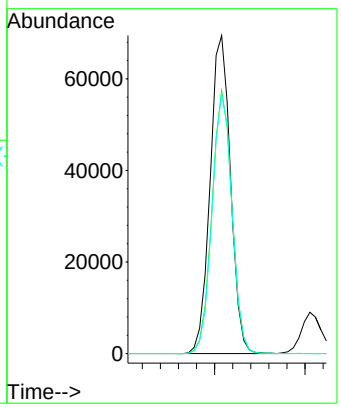


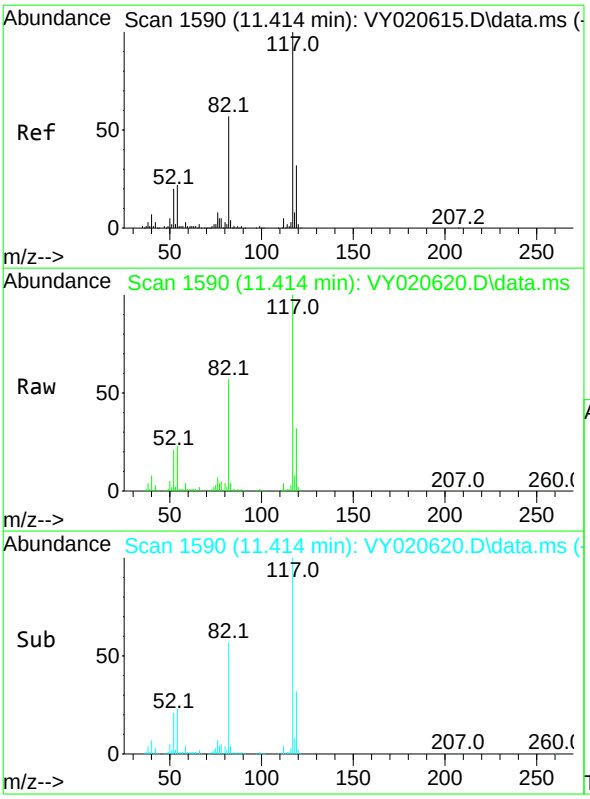


#62
4-Bromofluorobenzene
Concen: 42.982 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.007 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 95 Resp: 108522

Ion	Ratio	Lower	Upper
95	100		
174	81.1	0.0	161.8
176	80.1	0.0	156.6

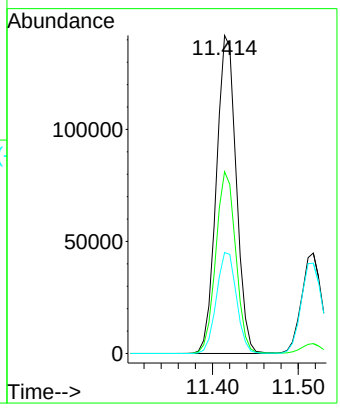




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:117 Resp: 229207

Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.8	68.6
119	31.7	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

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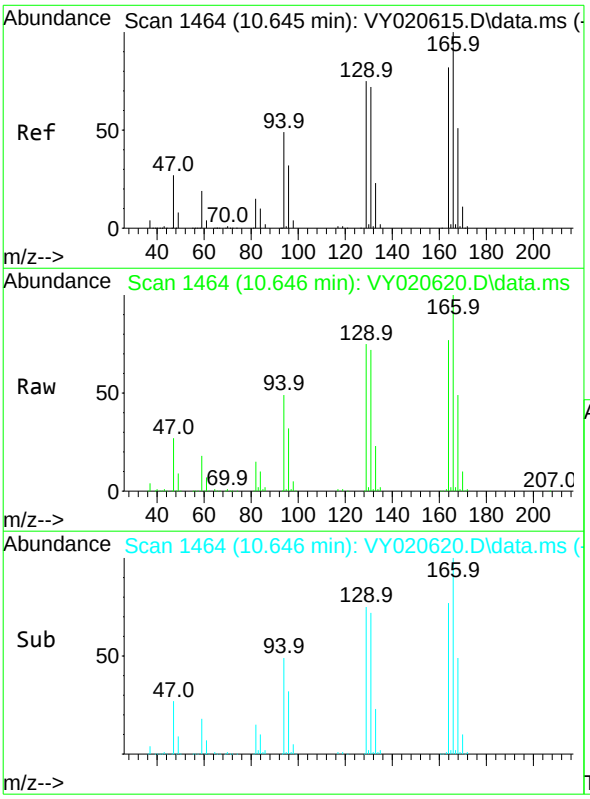
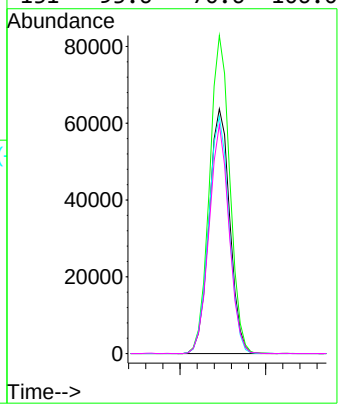
Supervised By :Mahesh Dadoda 12/18/2024

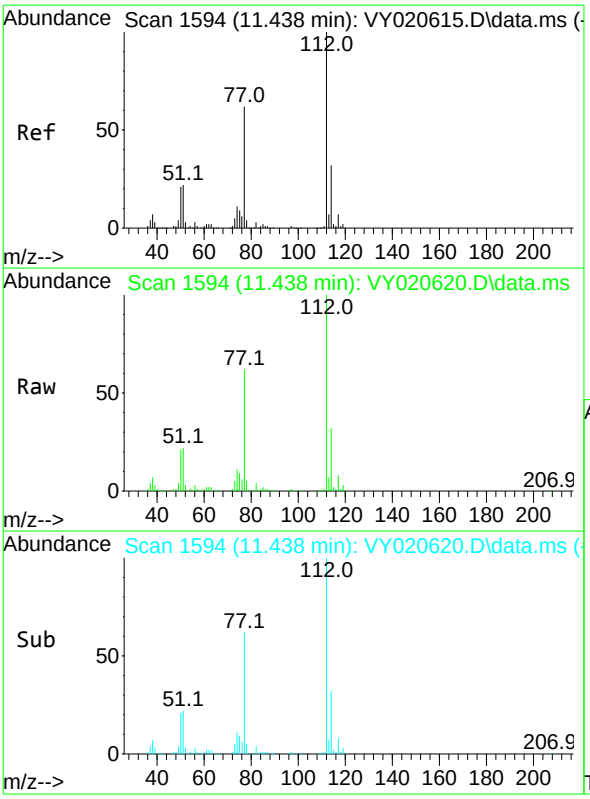


#64
Tetrachloroethene
Concen: 49.626 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:164 Resp: 106990

Ion	Ratio	Lower	Upper
164	100		
166	130.0	97.9	146.9
129	96.9	73.4	110.0
131	93.6	70.6	106.0

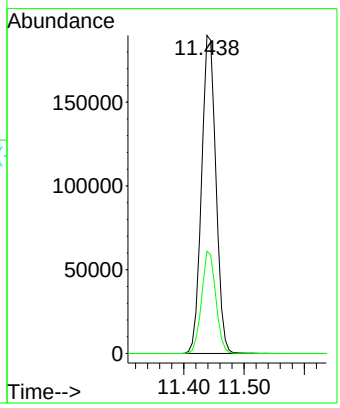




#65
Chlorobenzene
Concen: 48.986 ug/l
RT: 11.438 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:112 Resp: 313945

Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

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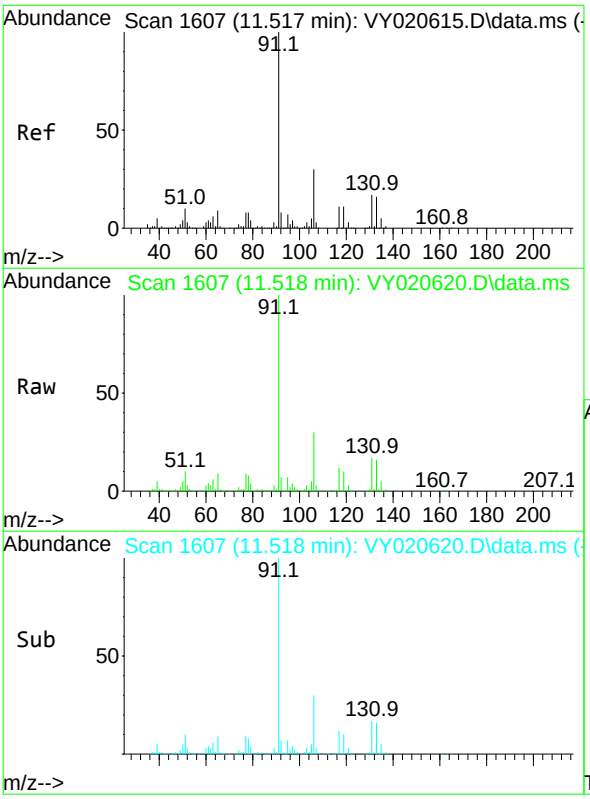
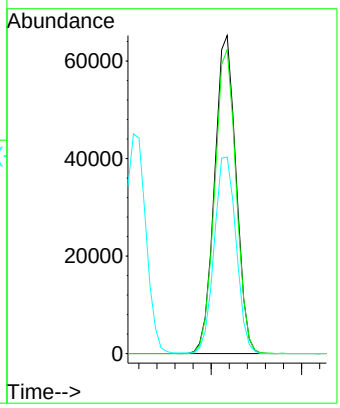
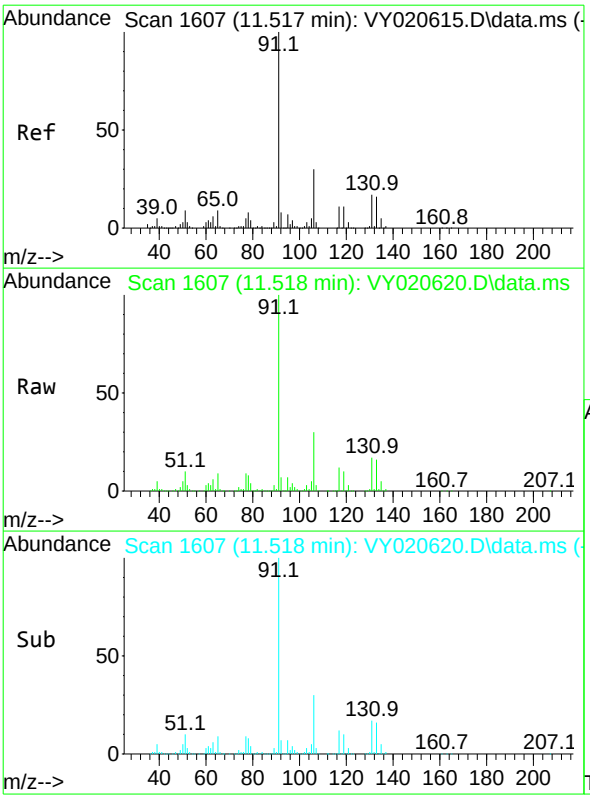


#66
1,1,1,2-Tetrachloroethane
Concen: 49.083 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:131 Resp: 107564

Ion	Ratio	Lower	Upper
131	100		
133	95.2	46.8	140.3
119	63.1	31.8	95.3

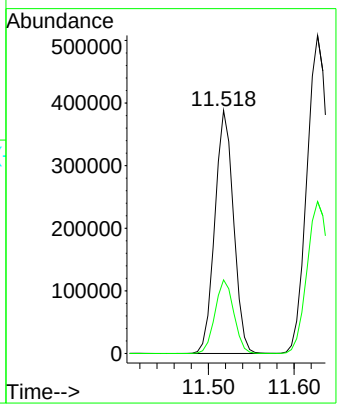




#67
Ethyl Benzene
Concen: 49.815 ug/l
RT: 11.518 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 91 Resp: 588990

Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.9	35.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

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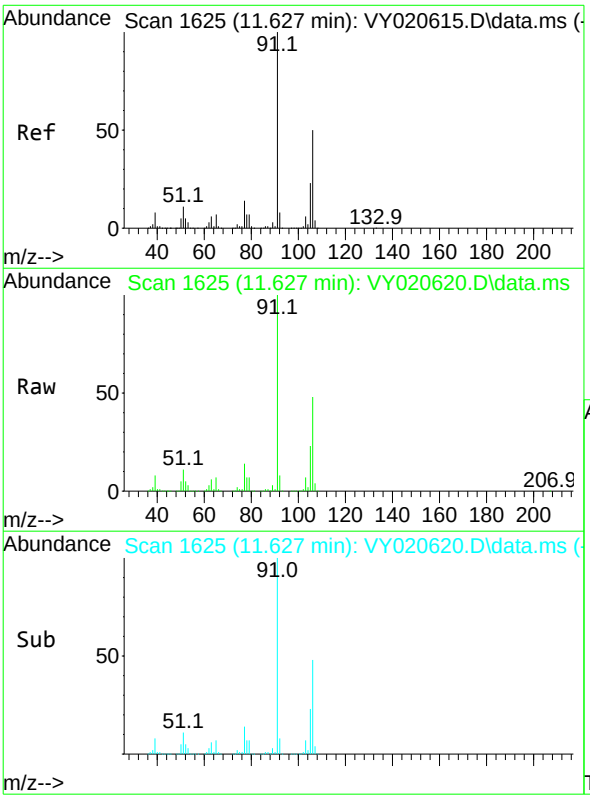
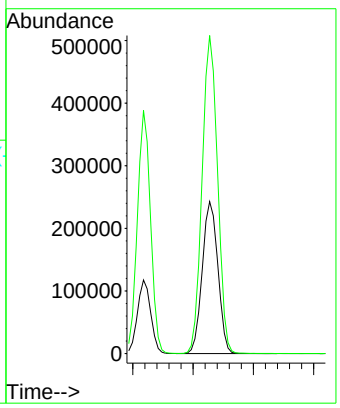
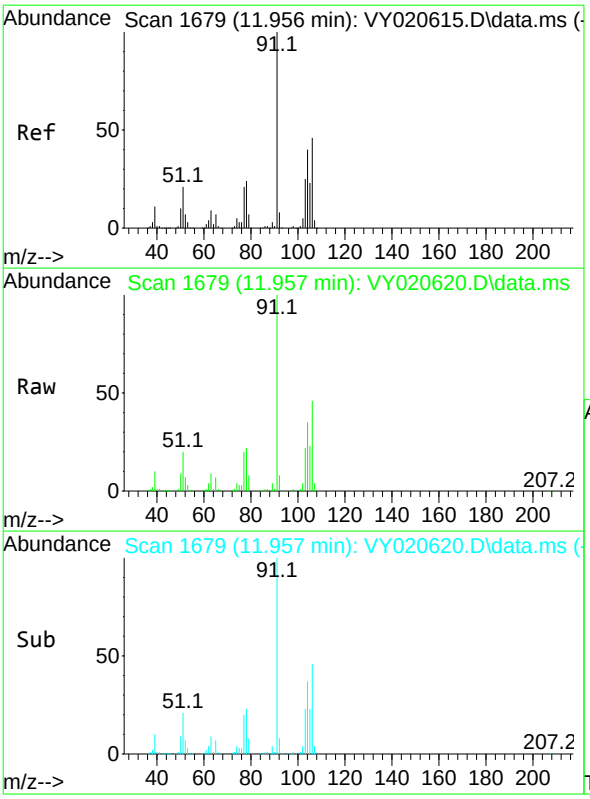


#68
m/p-Xylenes
Concen: 99.430 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:106 Resp: 437108

Ion	Ratio	Lower	Upper
106	100		
91	206.6	165.0	247.4





#69
o-Xylene
Concen: 49.568 ug/l
RT: 11.957 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:106 Resp: 203316

Ion	Ratio	Lower	Upper
106	100		
91	220.3	108.4	325.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

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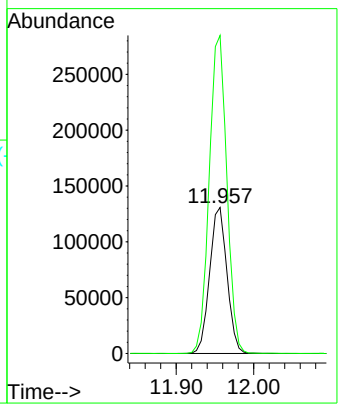
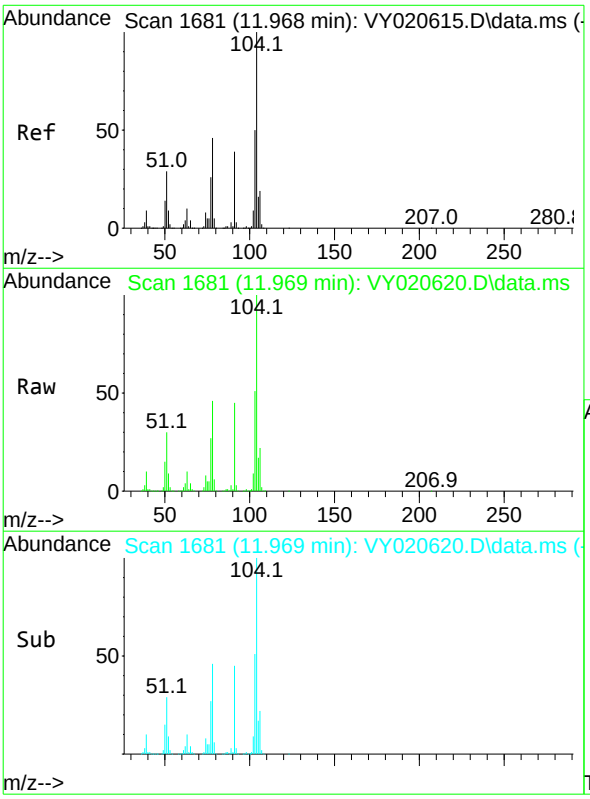
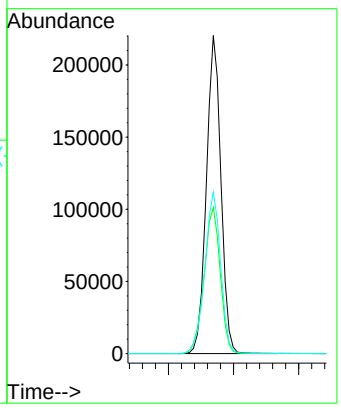


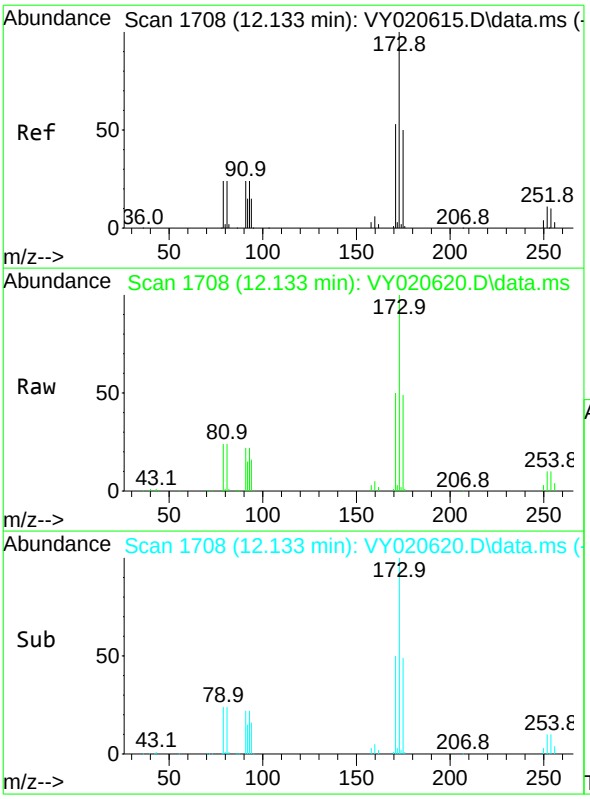


#70
Styrene
Concen: 49.827 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:104 Resp: 341470

Ion	Ratio	Lower	Upper
104	100		
78	51.2	41.6	62.4
103	55.0	43.7	65.5





#71
Bromoform
Concen: 45.451 ug/l
RT: 12.133 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion:173 Resp: 56002

Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.6	74.0
254	0.0	0.0	0.0

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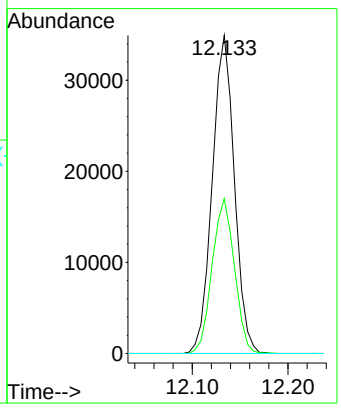
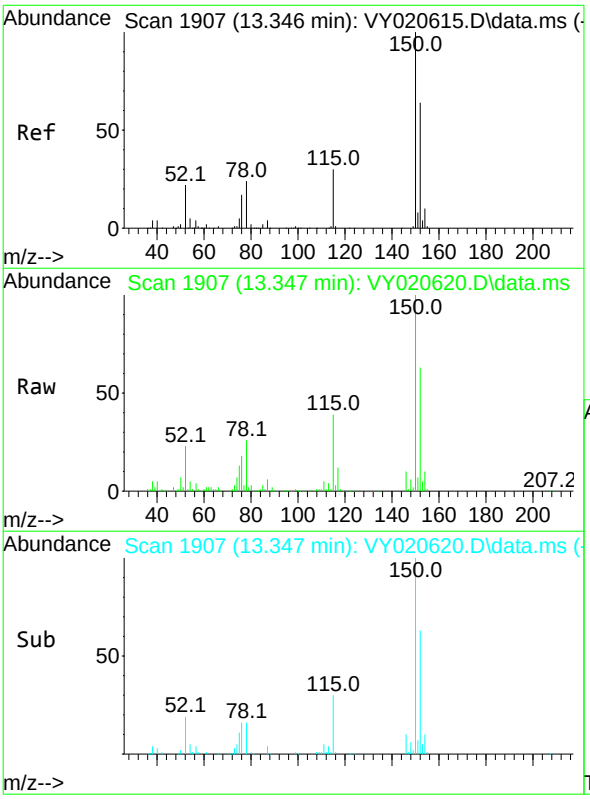
Supervised By :Mahesh Dadoda 12/18/2024

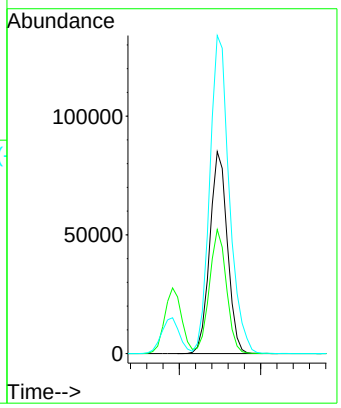


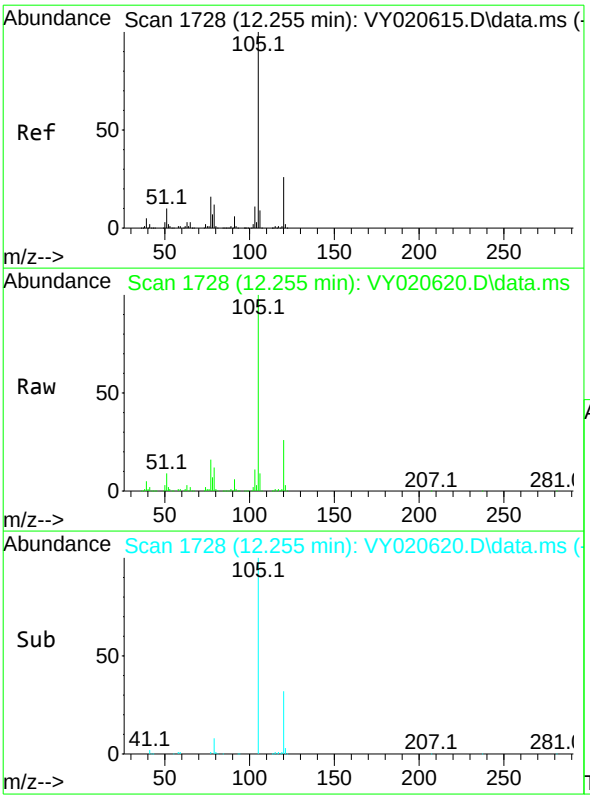


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:152 Resp: 127757

Ion	Ratio	Lower	Upper
152	100		
115	59.6	30.2	90.6
150	175.1	0.0	355.4

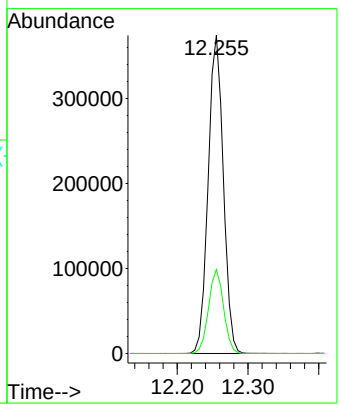




#73
Isopropylbenzene
Concen: 49.908 ug/l
RT: 12.255 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:105 Resp: 556414

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

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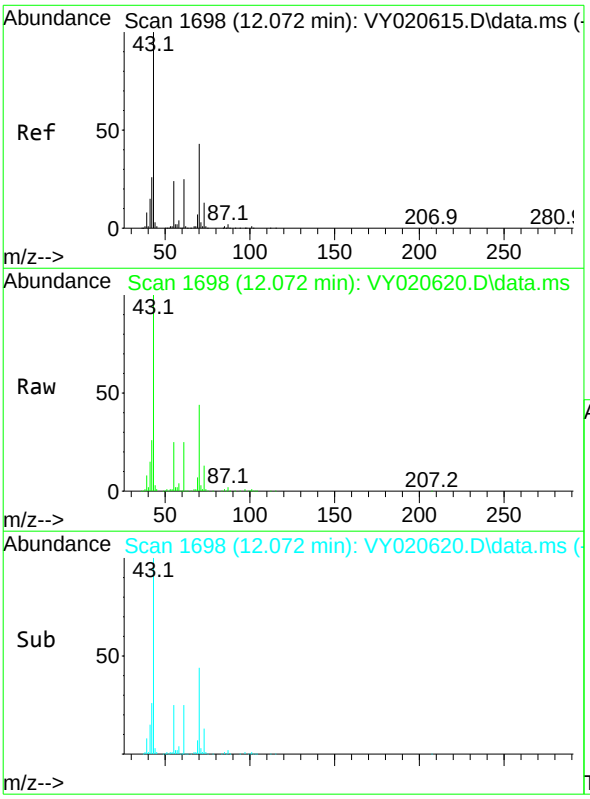
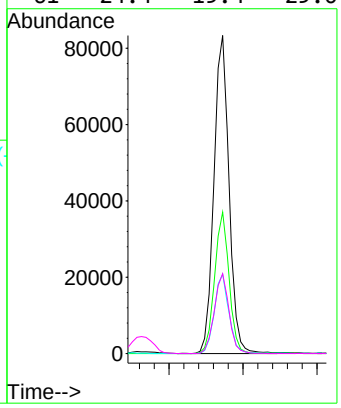
Supervised By :Mahesh Dadoda 12/18/2024

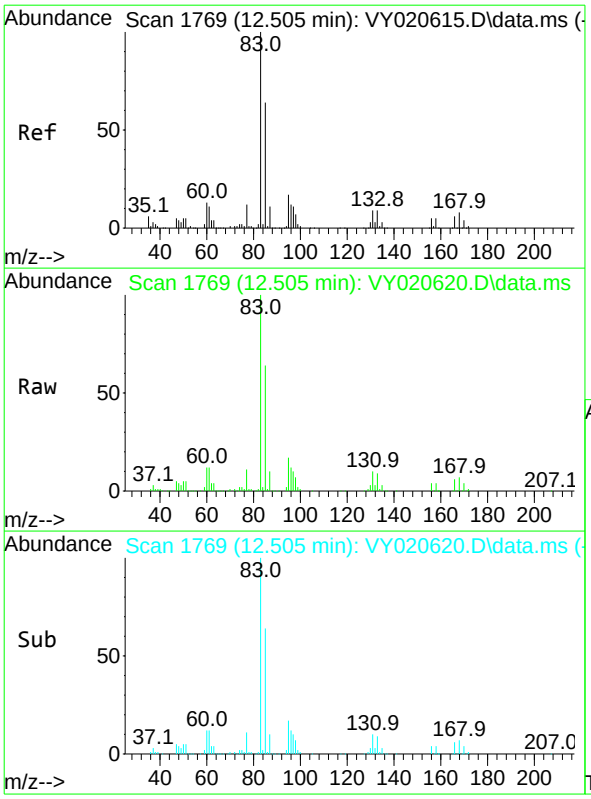


#74
N-amyl acetate
Concen: 45.328 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 43 Resp: 118269

Ion	Ratio	Lower	Upper
43	100		
70	42.7	34.2	51.2
55	24.2	19.6	29.4
61	24.4	19.4	29.0

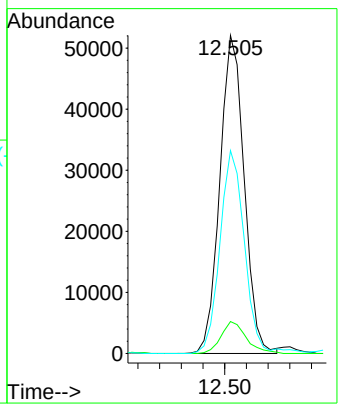




#75
1,1,2,2-Tetrachloroethane
Concen: 44.824 ug/l
RT: 12.505 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 83 Resp: 81117

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.2	15.6
85	64.7	32.5	97.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

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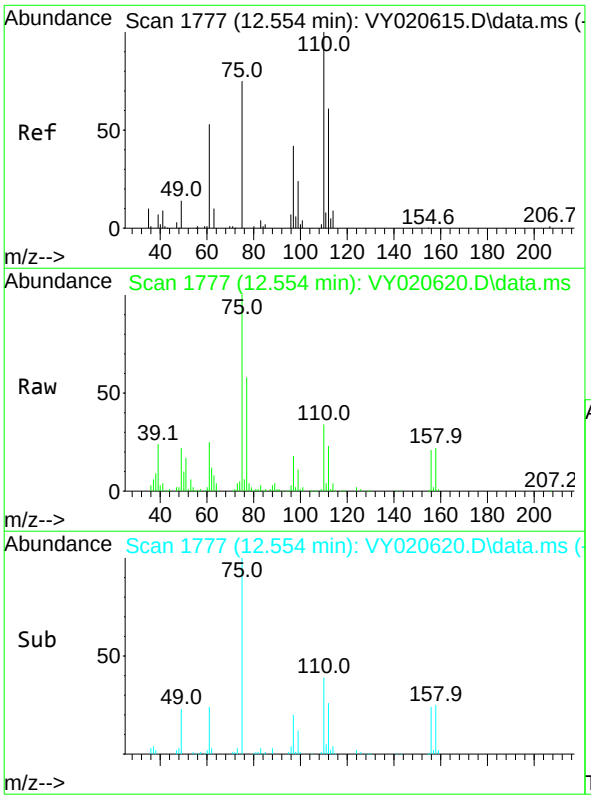
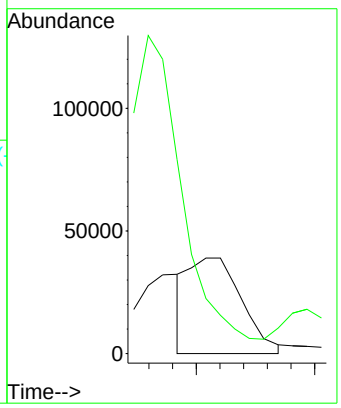
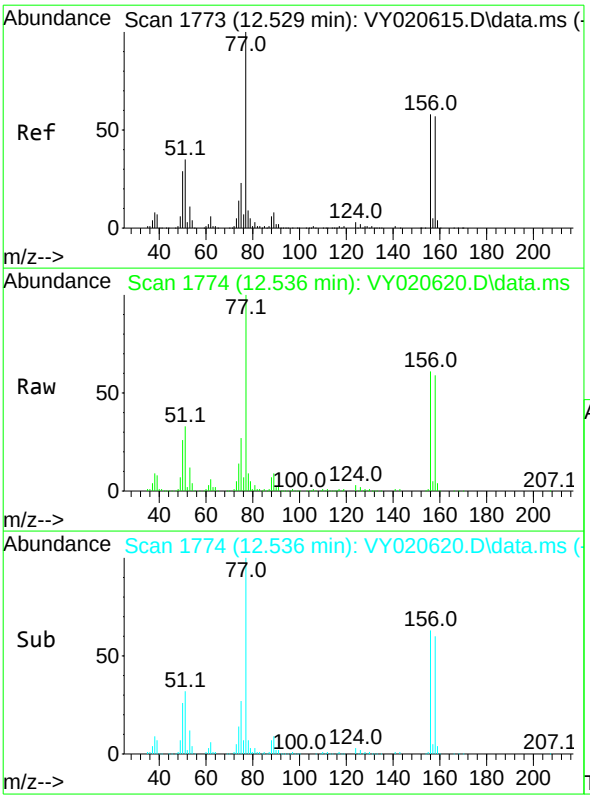


#76
1,2,3-Trichloropropane
Concen: 45.834 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 75 Resp: 60828

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 48.267 ug/l
RT: 12.536 min Scan# 17
Delta R.T. 0.007 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:156 Resp: 117217

Ion	Ratio	Lower	Upper
156	100		
77	190.2	94.2	282.4
158	96.8	48.9	146.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

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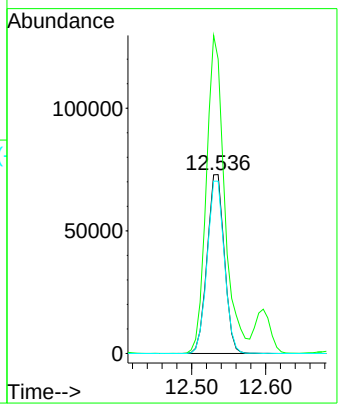
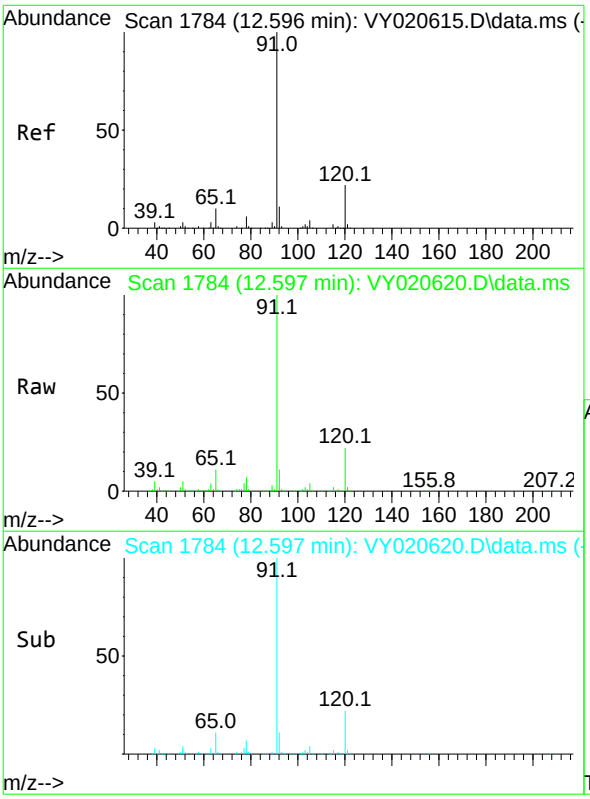
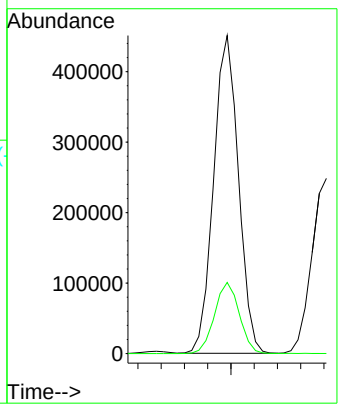


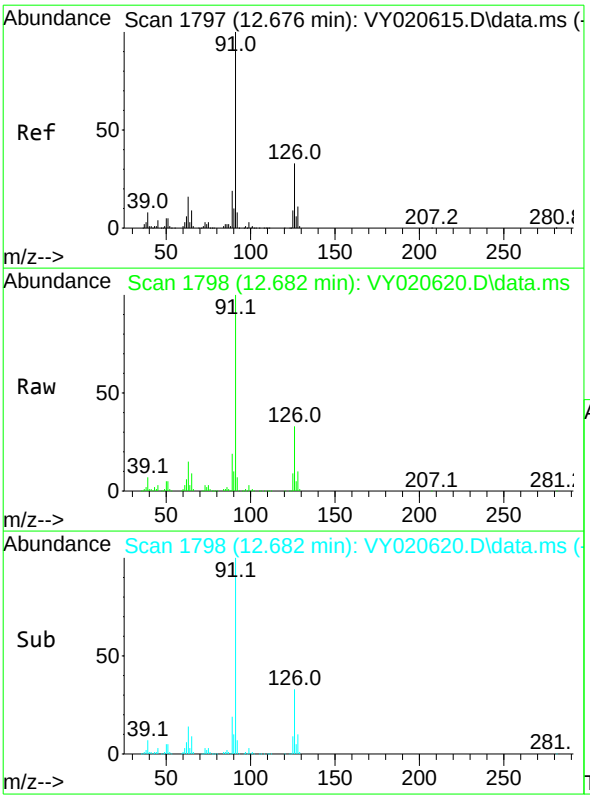


#78
n-propylbenzene
Concen: 49.775 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 91 Resp: 668577

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1

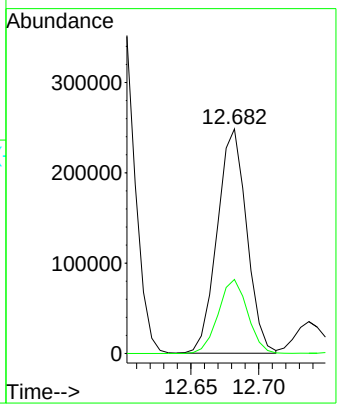




#79
2-Chlorotoluene
Concen: 49.628 ug/l
RT: 12.682 min Scan# 17
Delta R.T. 0.007 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 91 Resp: 375047

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.6	49.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

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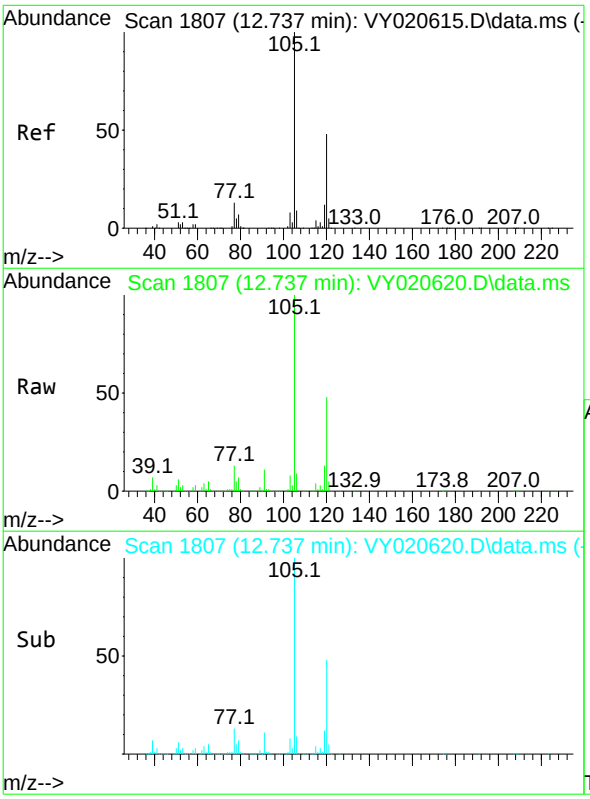
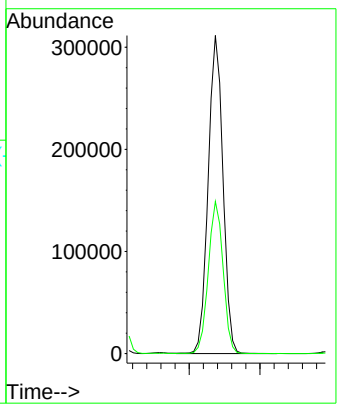
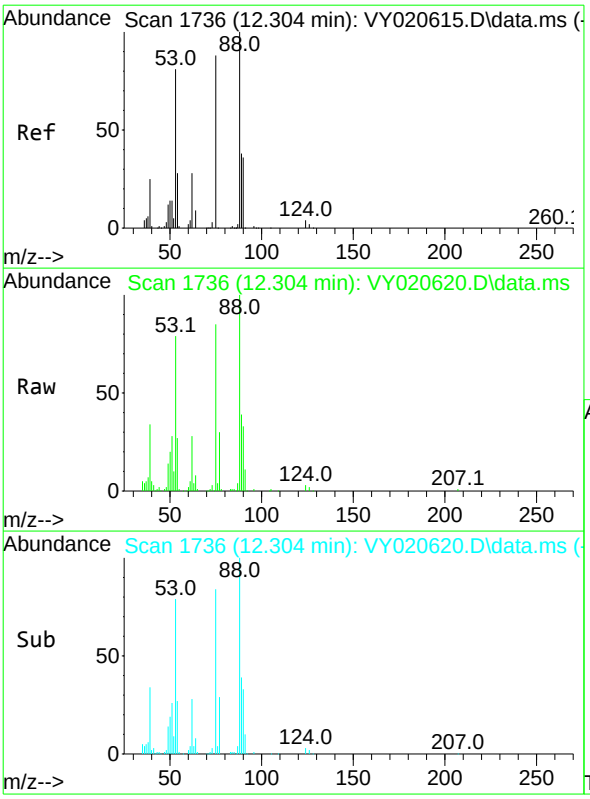


#80
1,3,5-Trimethylbenzene
Concen: 49.995 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:105 Resp: 452266

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.9	71.7

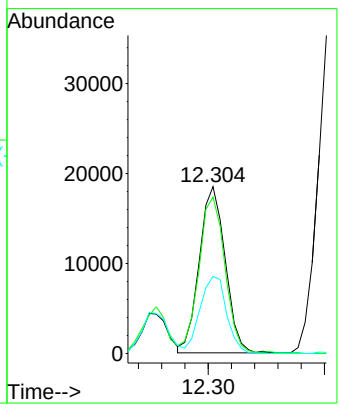




#81
trans-1,4-Dichloro-2-butene
Concen: 45.313 ug/l
RT: 12.304 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 75 Resp: 28650

Ion	Ratio	Lower	Upper
75	100		
53	93.4	75.4	113.2
89	47.1	37.0	55.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Manual Integrations
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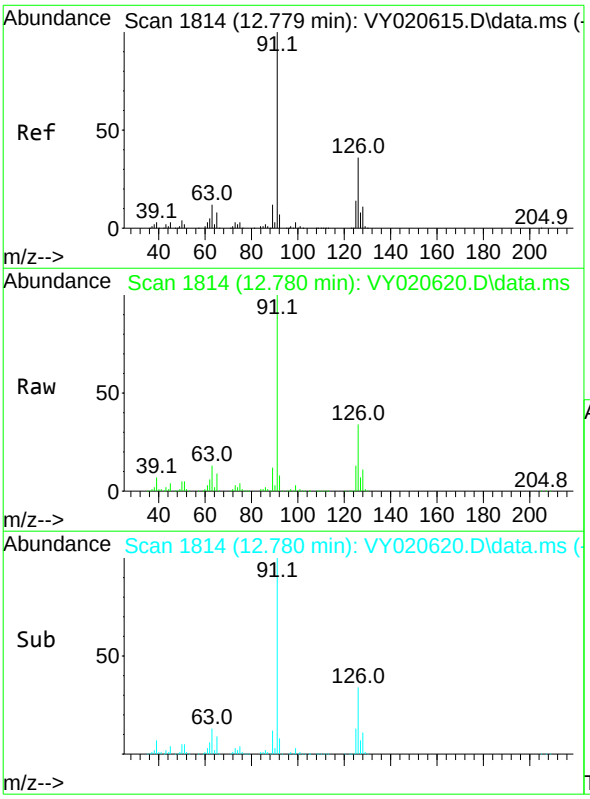
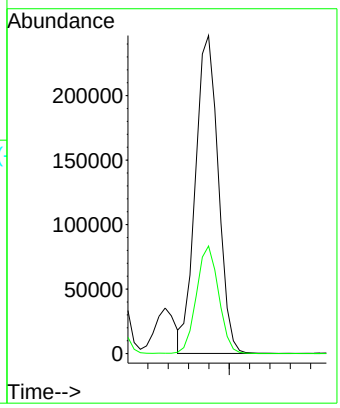
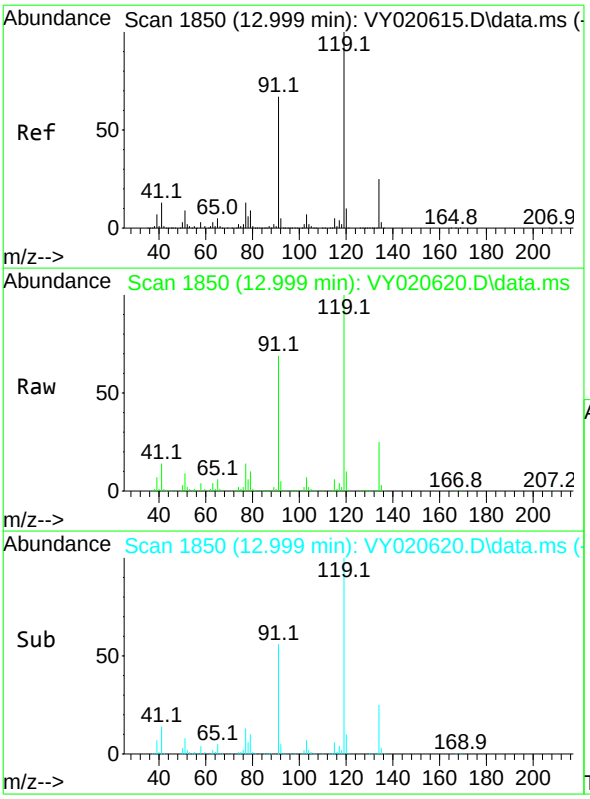


#82
4-Chlorotoluene
Concen: 48.929 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 91 Resp: 383617

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.6	49.7





#83
tert-Butylbenzene
Concen: 49.469 ug/l
RT: 12.999 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

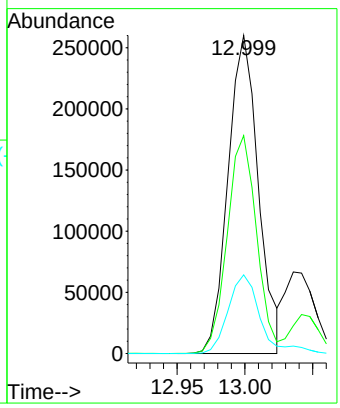
Tgt Ion:119 Resp: 405285

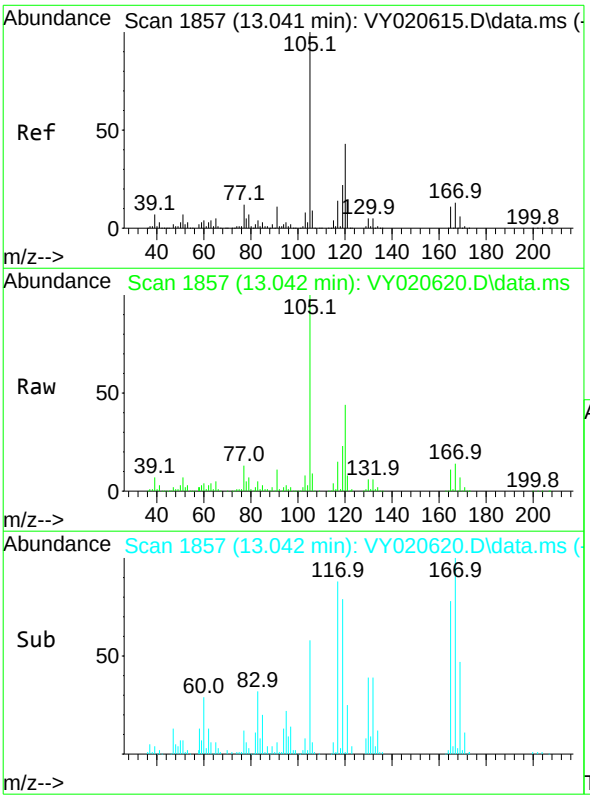
Ion	Ratio	Lower	Upper
119	100		
91	66.1	32.9	98.6
134	26.2	13.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 12/18/2024
Supervised By :Mahesh Dadoda 12/18/2024

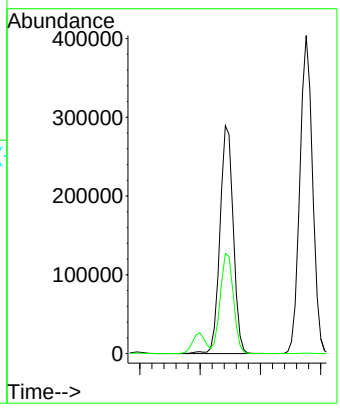


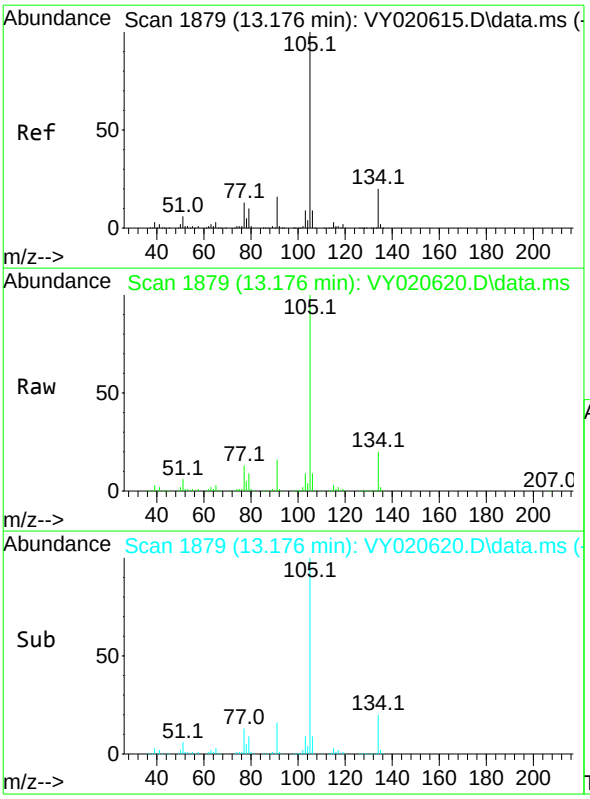


#84
1,2,4-Trimethylbenzene
Concen: 49.877 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:105 Resp: 442582

Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.8	65.4

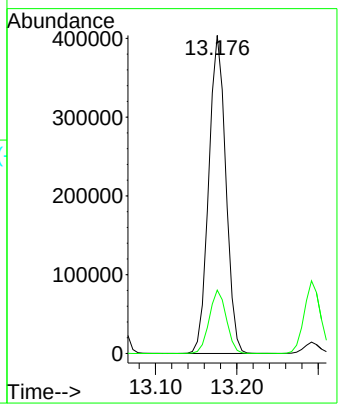




#85
sec-Butylbenzene
Concen: 49.451 ug/l
RT: 13.176 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:105 Resp: 589060

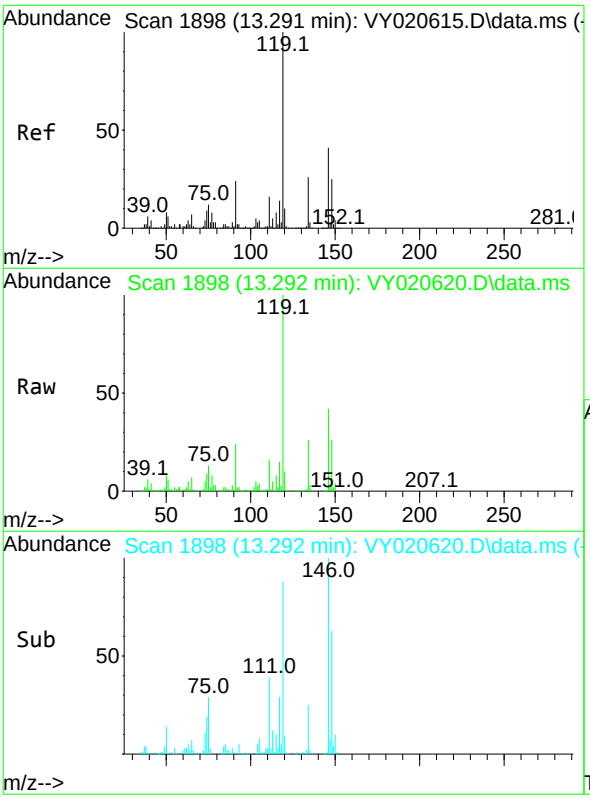
Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Manual Integrations
APPROVED

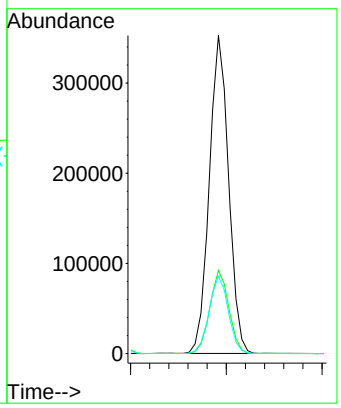
Reviewed By :Romaben Patel 12/18/2024
Supervised By :Mahesh Dadoda 12/18/2024

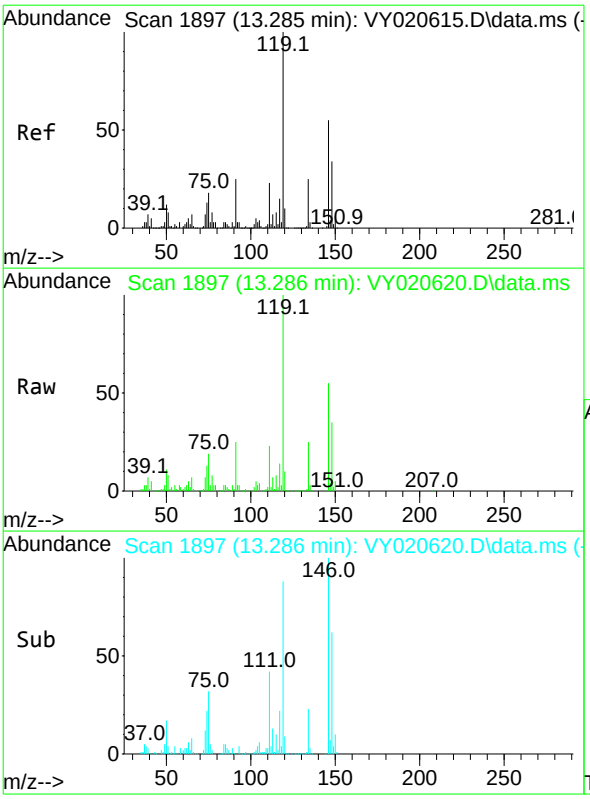


#86
p-Isopropyltoluene
Concen: 50.187 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:119 Resp: 492898

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.9	38.6
91	24.2	12.1	36.3

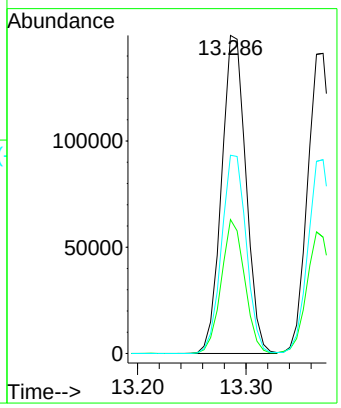




#87
1,3-Dichlorobenzene
Concen: 48.653 ug/l
RT: 13.286 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:146 Resp: 233241

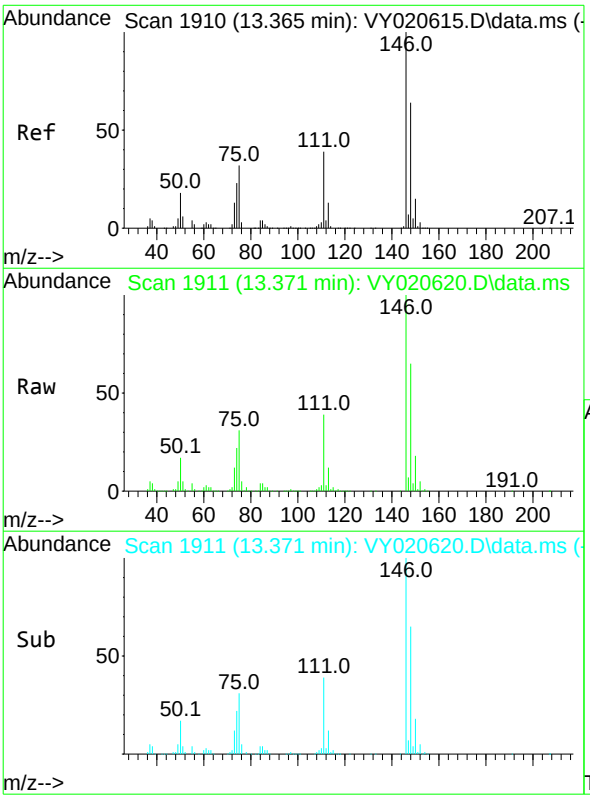
Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.6	61.8
148	63.2	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Manual Integrations
APPROVED

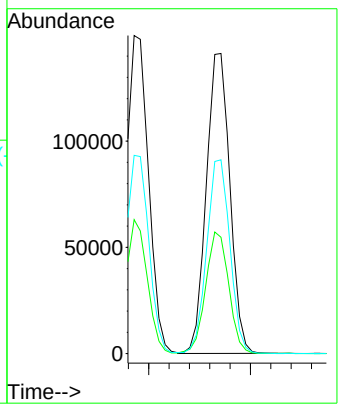
Reviewed By :Romaben Patel 12/18/2024
Supervised By :Mahesh Dadoda 12/18/2024

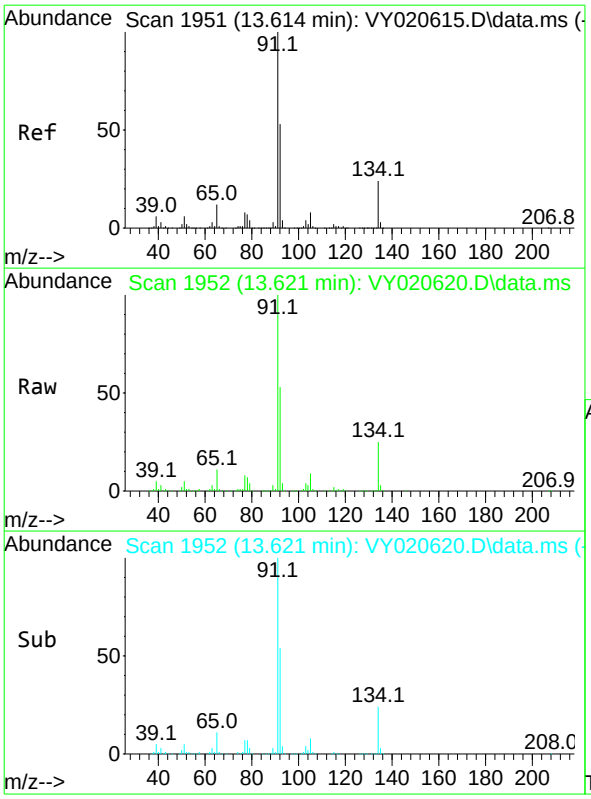


#88
1,4-Dichlorobenzene
Concen: 47.888 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.007 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:146 Resp: 227374

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.6	58.7
148	63.6	31.9	95.5

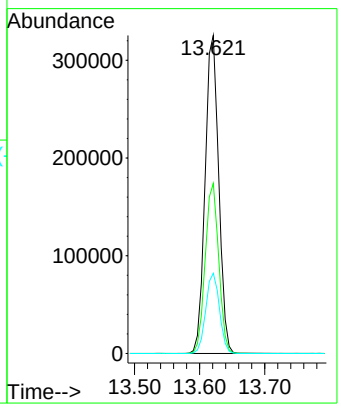




#89
n-Butylbenzene
Concen: 50.725 ug/l
RT: 13.621 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 91 Resp: 472143

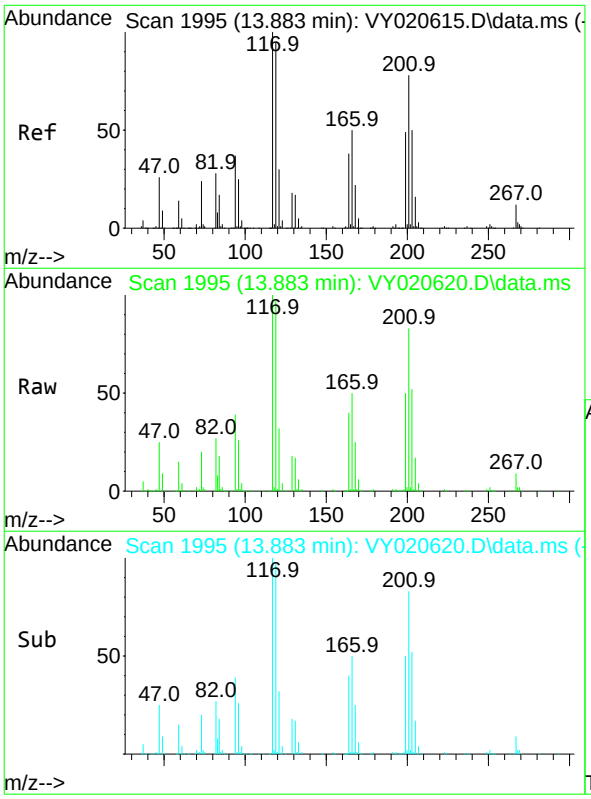
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.8	80.4
134	25.2	12.5	37.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Manual Integrations
APPROVED

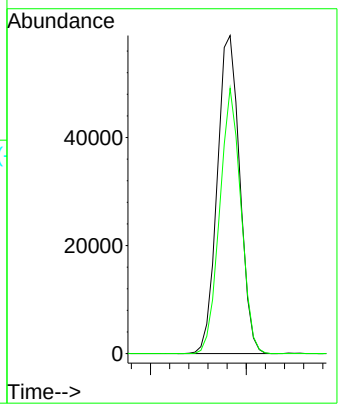
Reviewed By :Romaben Patel 12/18/2024
Supervised By :Mahesh Dadoda 12/18/2024

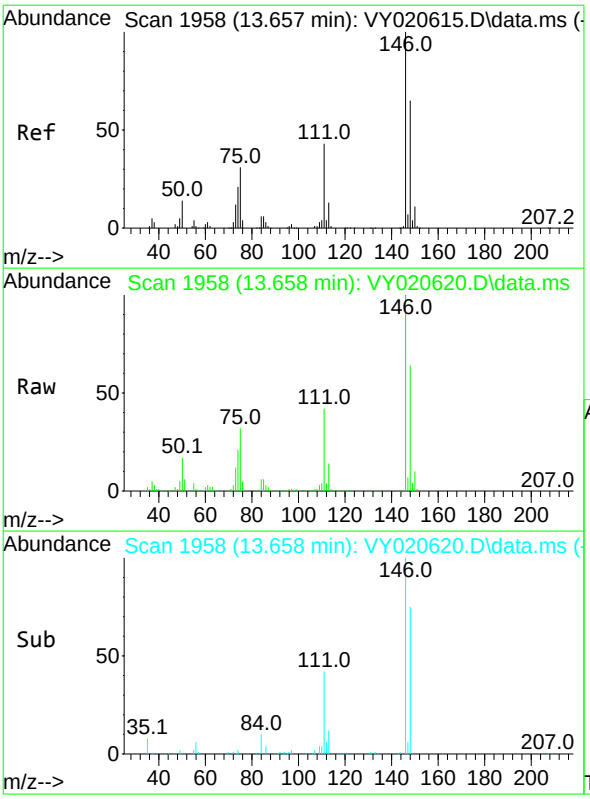


#90
Hexachloroethane
Concen: 49.342 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:117 Resp: 96035

Ion	Ratio	Lower	Upper
117	100		
201	78.5	39.1	117.3





#91
1,2-Dichlorobenzene
Concen: 48.162 ug/l
RT: 13.658 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

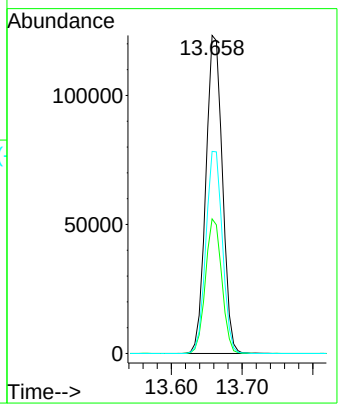
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

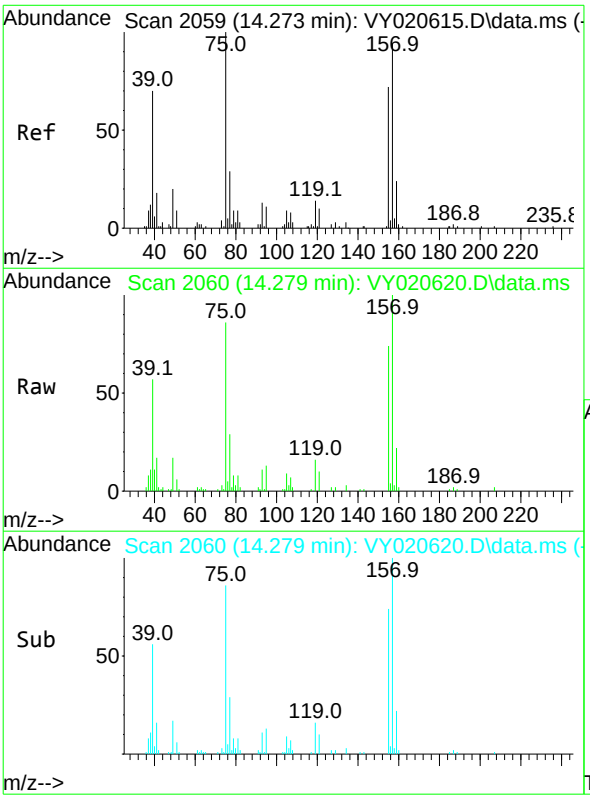
Tgt Ion:146 Resp: 200049

Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.3	63.7
148	63.3	32.0	96.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 12/18/2024
Supervised By :Mahesh Dadoda 12/18/2024

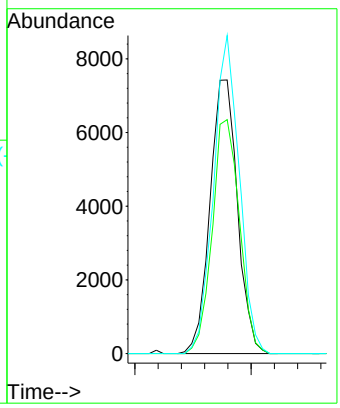


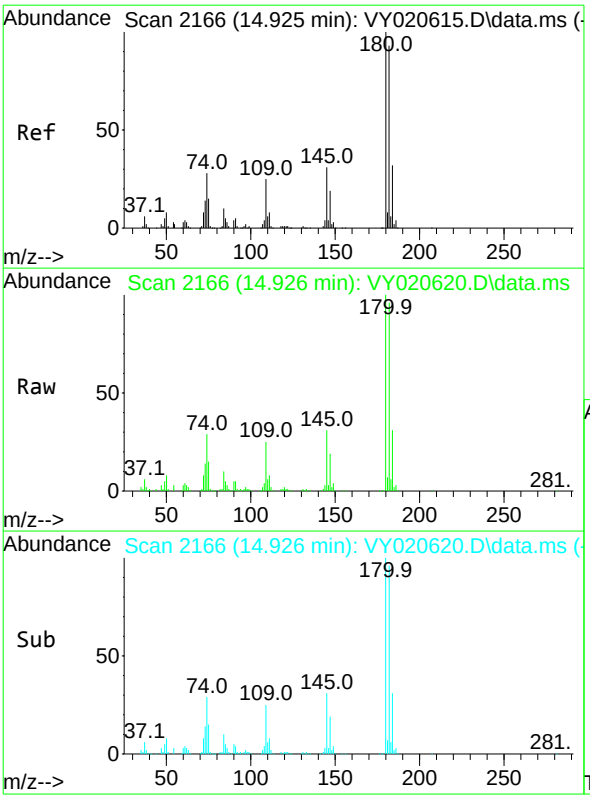


#92
1,2-Dibromo-3-Chloropropane
Concen: 41.418 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.007 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 75 Resp: 12169

Ion	Ratio	Lower	Upper
75	100		
155	84.9	41.1	123.3
157	109.1	52.9	158.8





#93
1,2,4-Trichlorobenzene
Concen: 49.388 ug/l
RT: 14.926 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

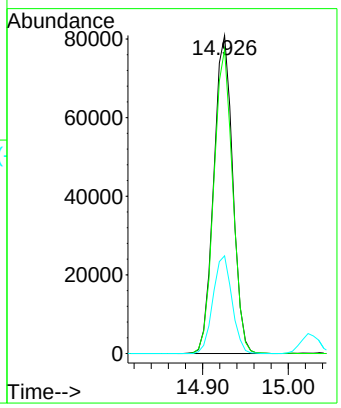
Tgt Ion:180 Resp: 124084

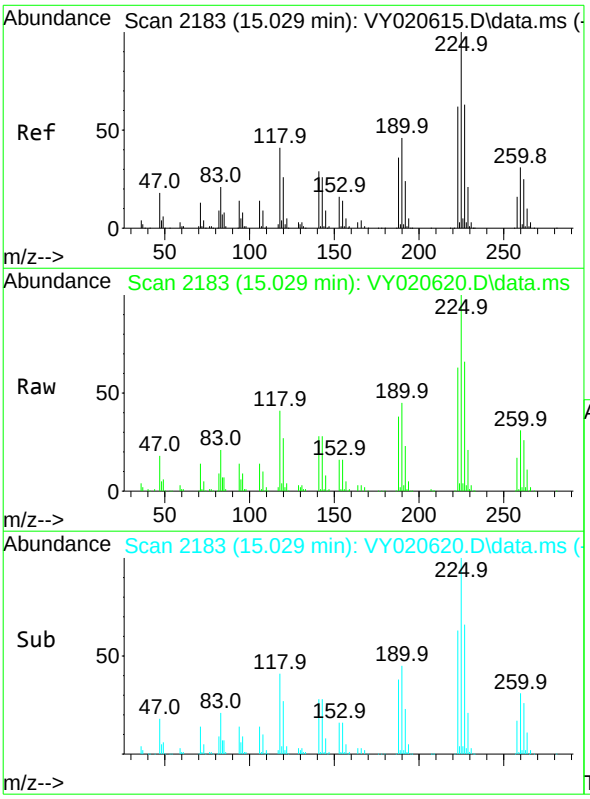
Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.6
145	30.8	15.6	46.7

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 12/18/2024
Supervised By :Mahesh Dadoda 12/18/2024

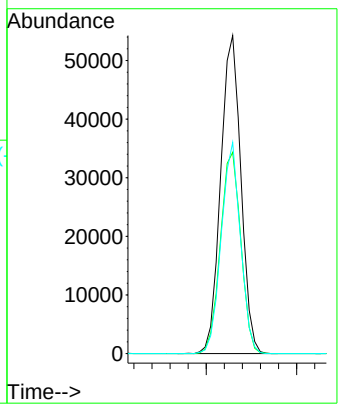


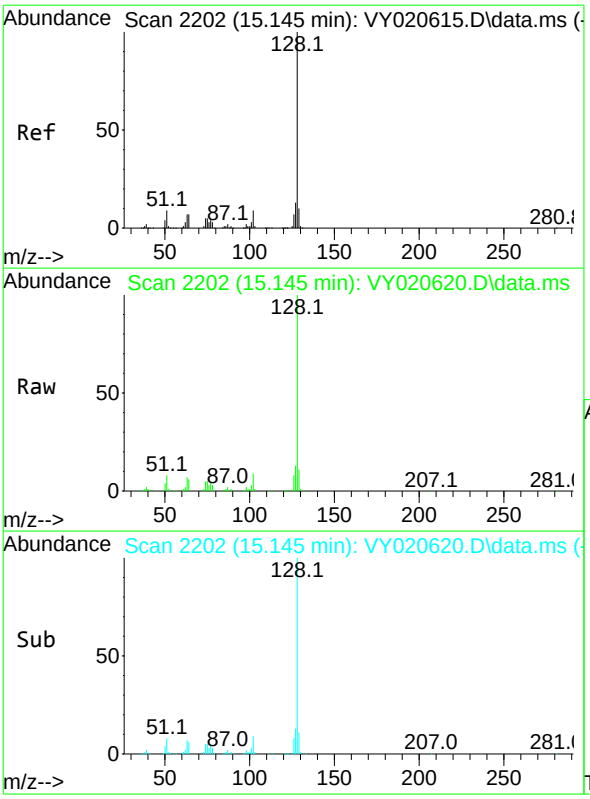


#94
Hexachlorobutadiene
Concen: 51.372 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:225 Resp: 84375

Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.8	95.3
227	63.0	32.2	96.6

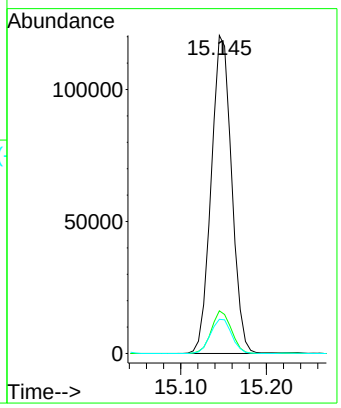




#95
Naphthalene
Concen: 46.344 ug/l
RT: 15.145 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:128 Resp: 199622

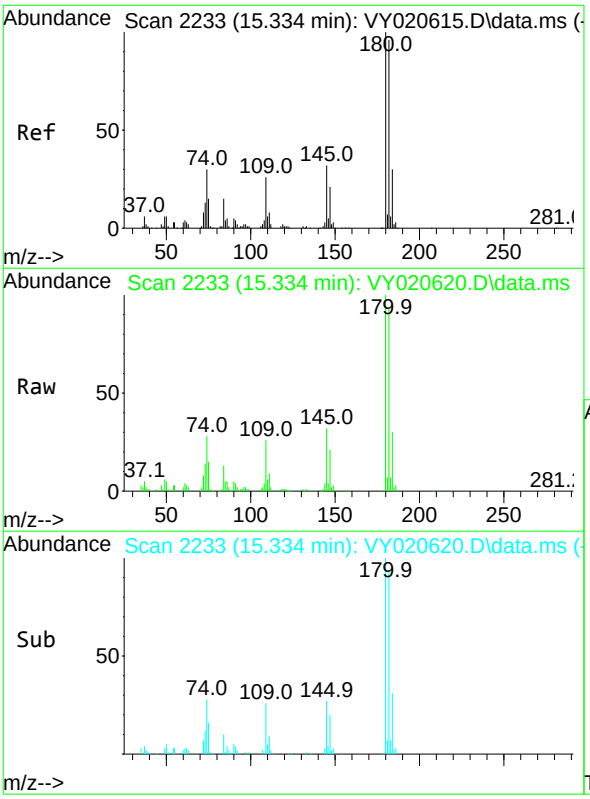
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.7	16.1
129	11.2	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Manual Integrations
APPROVED

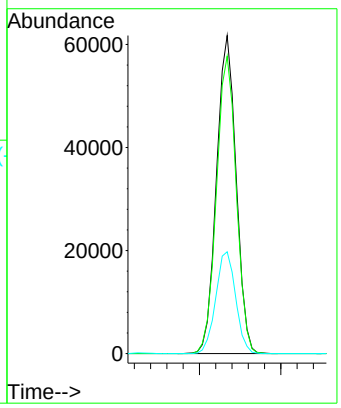
Reviewed By :Romaben Patel 12/18/2024
Supervised By :Mahesh Dadoda 12/18/2024



#96
1,2,3-Trichlorobenzene
Concen: 48.662 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:180 Resp: 103298

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.3	141.9
145	32.5	16.0	48.0



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020620.D
Acq On : 17 Dec 2024 17:41
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Quant Time: Dec 18 05:29:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 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	Pentafluorobenzene	1.000	1.000	0.0	103	0.00
2	T	Dichlorodifluoromethane	0.625	0.596	4.6	99	0.00
3	P	Chloromethane	0.463	0.419	9.5	100	0.00
4	C	Vinyl Chloride	0.431	0.416	3.5#	115	0.00
5	T	Bromomethane	0.277	0.268	3.2	120	0.00
6	T	Chloroethane	0.266	0.258	3.0	125	0.00
7	T	Trichlorofluoromethane	0.901	0.849	5.8	110	0.00
8	T	Diethyl Ether	0.316	0.278	12.0	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.646	0.641	0.8	109	0.00
10	T	Methyl Iodide	0.719	0.721	-0.3	107	0.00
11	T	Tert butyl alcohol	0.071	0.041	42.3#	84	0.00
12	CM	1,1-Dichloroethene	0.627	0.629	-0.3#	109	0.00
13	T	Acrolein	0.026	0.015	42.3#	89	0.00
14	T	Allyl chloride	1.098	1.120	-2.0	112	0.00
15	T	Acrylonitrile	0.151	0.128	15.2	85	0.00
16	T	Acetone	0.125	0.148	-18.4	155#	0.00
17	T	Carbon Disulfide	2.040	2.058	-0.9	109	0.00
18	T	Methyl Acetate	0.373	0.328	12.1	96	0.00
19	T	Methyl tert-butyl Ether	1.618	1.468	9.3	91	0.00
20	T	Methylene Chloride	0.681	0.635	6.8	106	0.00
21	T	trans-1,2-Dichloroethene	0.703	0.684	2.7	99	0.00
22	T	Diisopropyl ether	2.229	2.150	3.5	96	0.00
23	T	Vinyl Acetate	1.263	1.144	9.4	89	0.00
24	P	1,1-Dichloroethane	1.306	1.275	2.4	99	0.00
25	T	2-Butanone	0.204	0.187	8.3	97	0.00
26	T	2,2-Dichloropropane	1.235	1.147	7.1	99	0.00
27	T	cis-1,2-Dichloroethene	0.809	0.780	3.6	98	0.00
28	T	Bromochloromethane	0.441	0.453	-2.7	94	0.00
29	T	Tetrahydrofuran	0.128	0.104	18.8	81	0.00
30	C	Chloroform	1.528	1.311	14.2#	98	0.00
31	T	Cyclohexane	1.249	1.147	8.2	98	0.00
32	T	1,1,1-Trichloroethane	1.200	1.172	2.3	100	0.00
33	S	1,2-Dichloroethane-d4	0.548	0.460	16.1	83	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
35	S	Dibromofluoromethane	0.352	0.315	10.5	87	0.00
36	T	1,1-Dichloropropene	0.643	0.635	1.2	99	0.00
37	T	Ethyl Acetate	0.302	0.257	14.9	86	0.00
38	T	Carbon Tetrachloride	0.711	0.708	0.4	101	0.00
39	T	Methylcyclohexane	0.837	0.819	2.2	98	0.00
40	TM	Benzene	1.883	1.859	1.3	99	0.00
41	T	Methacrylonitrile	0.160	0.152	5.0	98	0.00
42	TM	1,2-Dichloroethane	0.500	0.468	6.4	93	0.00
43	T	Isopropyl Acetate	0.572	0.498	12.9	85	0.00
44	TM	Trichloroethene	0.463	0.459	0.9	100	0.00
45	C	1,2-Dichloropropane	0.440	0.429	2.5#	98	0.00
46	T	Dibromomethane	0.233	0.215	7.7	93	0.00
47	T	Bromodichloromethane	0.628	0.606	3.5	95	0.00
48	T	Methyl methacrylate	0.272	0.241	11.4	87	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020620.D
Acq On : 17 Dec 2024 17:41
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Quant Time: Dec 18 05:29:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 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	1,4-Dioxane	0.003	0.002	33.3#	81	0.00
50	S	Toluene-d8	1.233	1.139	7.6	89	0.00
51	T	4-Methyl-2-Pentanone	0.302	0.253	16.2	84	0.00
52	CM	Toluene	1.170	1.149	1.8#	98	0.00
53	T	t-1,3-Dichloropropene	0.586	0.560	4.4	92	0.00
54	T	cis-1,3-Dichloropropene	0.694	0.683	1.6	96	0.00
55	T	1,1,2-Trichloroethane	0.308	0.283	8.1	93	0.00
56	T	Ethyl methacrylate	0.446	0.415	7.0	90	0.00
57	T	1,3-Dichloropropane	0.548	0.514	6.2	92	0.00
58	T	2-Chloroethyl Vinyl ether	0.188	0.183	2.7	106	0.00
59	T	2-Hexanone	0.194	0.184	5.2	92	0.00
60	T	Dibromochloromethane	0.411	0.388	5.6	92	0.00
61	T	1,2-Dibromoethane	0.286	0.263	8.0	91	0.00
62	S	4-Bromofluorobenzene	0.482	0.415	13.9	86	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
64	T	Tetrachloroethene	0.470	0.467	0.6	101	0.00
65	PM	Chlorobenzene	1.398	1.370	2.0	97	0.00
66	T	1,1,1,2-Tetrachloroethane	0.478	0.469	1.9	97	0.00
67	C	Ethyl Benzene	2.579	2.570	0.3#	98	0.00
68	T	m/p-Xylenes	0.959	0.954	0.5	98	0.00
69	T	o-Xylene	0.895	0.887	0.9	97	0.00
70	T	Styrene	1.495	1.490	0.3	97	0.00
71	P	Bromoform	0.269	0.244	9.3	89	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
73	T	Isopropylbenzene	4.363	4.355	0.2	98	0.00
74	T	N-amyl acetate	1.021	0.926	9.3	85	0.00
75	P	1,1,2,2-Tetrachloroethane	0.708	0.635	10.3	88	0.00
76	T	1,2,3-Trichloropropane	0.519	0.476	8.3	90	0.00
77	T	Bromobenzene	0.950	0.917	3.5	95	0.00
78	T	n-propylbenzene	5.257	5.233	0.5	97	0.00
79	T	2-Chlorotoluene	2.958	2.936	0.7	98	0.00
80	T	1,3,5-Trimethylbenzene	3.540	3.540	0.0	98	0.00
81	T	trans-1,4-Dichloro-2-butene	0.247	0.224	9.3	86	0.00
82	T	4-Chlorotoluene	3.068	3.003	2.1	96	0.00
83	T	tert-Butylbenzene	3.206	3.172	1.1	97	0.00
84	T	1,2,4-Trimethylbenzene	3.473	3.464	0.3	96	0.00
85	T	sec-Butylbenzene	4.662	4.611	1.1	97	0.00
86	T	p-Isopropyltoluene	3.844	3.858	-0.4	97	0.00
87	T	1,3-Dichlorobenzene	1.876	1.826	2.7	96	0.00
88	T	1,4-Dichlorobenzene	1.858	1.780	4.2	95	0.00
89	T	n-Butylbenzene	3.643	3.696	-1.5	97	0.00
90	T	Hexachloroethane	0.762	0.752	1.3	97	0.00
91	T	1,2-Dichlorobenzene	1.626	1.566	3.7	96	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.115	0.095	17.4	83	0.00
93	T	1,2,4-Trichlorobenzene	0.983	0.971	1.2	94	0.00
94	T	Hexachlorobutadiene	0.643	0.660	-2.6	99	0.00
95	T	Naphthalene	1.686	1.563	7.3	87	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020620.D
Acq On : 17 Dec 2024 17:41
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Quant Time: Dec 18 05:29:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 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)
96 T	1,2,3-Trichlorobenzene	0.831	0.809	2.6	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020620.D
Acq On : 17 Dec 2024 17:41
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Quant Time: Dec 18 05:29:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 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	Pentafluorobenzene	50.000	50.000	0.0	103	0.00
2	T	Dichlorodifluoromethane	50.000	47.686	4.6	99	0.00
3	P	Chloromethane	50.000	45.240	9.5	100	0.00
4	C	Vinyl Chloride	50.000	48.277	3.4#	115	0.00
5	T	Bromomethane	50.000	48.405	3.2	120	0.00
6	T	Chloroethane	50.000	48.520	3.0	125	0.00
7	T	Trichlorofluoromethane	50.000	47.080	5.8	110	0.00
8	T	Diethyl Ether	50.000	44.007	12.0	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.613	0.8	109	0.00
10	T	Methyl Iodide	50.000	50.161	-0.3	107	0.00
11	T	Tert butyl alcohol	250.000	166.993	33.2#	84	0.00
12	CM	1,1-Dichloroethene	50.000	50.176	-0.4#	109	0.00
13	T	Acrolein	250.000	145.056	42.0#	89	0.00
14	T	Allyl chloride	50.000	50.975	-2.0	112	0.00
15	T	Acrylonitrile	250.000	211.661	15.3	85	0.00
16	T	Acetone	250.000	343.570	-37.4#	155	0.00
17	T	Carbon Disulfide	50.000	50.444	-0.9	109	0.00
18	T	Methyl Acetate	50.000	44.029	11.9	96	0.00
19	T	Methyl tert-butyl Ether	50.000	45.379	9.2	91	0.00
20	T	Methylene Chloride	50.000	46.658	6.7	106	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.656	2.7	99	0.00
22	T	Diisopropyl ether	50.000	48.223	3.6	96	0.00
23	T	Vinyl Acetate	250.000	226.581	9.4	89	0.00
24	P	1,1-Dichloroethane	50.000	48.802	2.4	99	0.00
25	T	2-Butanone	250.000	230.232	7.9	97	0.00
26	T	2,2-Dichloropropane	50.000	46.471	7.1	99	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.202	3.6	98	0.00
28	T	Bromochloromethane	50.000	51.402	-2.8	94	0.00
29	T	Tetrahydrofuran	250.000	203.060	18.8	81	0.00
30	C	Chloroform	50.000	49.995	0.0#	98	0.00
31	T	Cyclohexane	50.000	45.921	8.2	98	0.00
32	T	1,1,1-Trichloroethane	50.000	48.837	2.3	100	0.00
33	S	1,2-Dichloroethane-d4	50.000	41.971	16.1	83	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	99	0.00
35	S	Dibromofluoromethane	50.000	44.743	10.5	87	0.00
36	T	1,1-Dichloropropene	50.000	49.418	1.2	99	0.00
37	T	Ethyl Acetate	50.000	42.490	15.0	86	0.00
38	T	Carbon Tetrachloride	50.000	49.800	0.4	101	0.00
39	T	Methylcyclohexane	50.000	48.913	2.2	98	0.00
40	TM	Benzene	50.000	49.357	1.3	99	0.00
41	T	Methacrylonitrile	50.000	47.631	4.7	98	0.00
42	TM	1,2-Dichloroethane	50.000	46.869	6.3	93	0.00
43	T	Isopropyl Acetate	50.000	43.528	12.9	85	0.00
44	TM	Trichloroethene	50.000	49.555	0.9	100	0.00
45	C	1,2-Dichloropropane	50.000	48.695	2.6#	98	0.00
46	T	Dibromomethane	50.000	46.265	7.5	93	0.00
47	T	Bromodichloromethane	50.000	48.208	3.6	95	0.00
48	T	Methyl methacrylate	50.000	44.268	11.5	87	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020620.D
Acq On : 17 Dec 2024 17:41
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Quant Time: Dec 18 05:29:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 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	1,4-Dioxane	1000.000	816.119	18.4	81	0.00
50	S	Toluene-d8	50.000	46.169	7.7	89	0.00
51	T	4-Methyl-2-Pentanone	250.000	209.670	16.1	84	0.00
52	CM	Toluene	50.000	49.073	1.9#	98	0.00
53	T	t-1,3-Dichloropropene	50.000	47.810	4.4	92	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.184	1.6	96	0.00
55	T	1,1,2-Trichloroethane	50.000	45.952	8.1	93	0.00
56	T	Ethyl methacrylate	50.000	46.525	7.0	90	0.00
57	T	1,3-Dichloropropane	50.000	46.882	6.2	92	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	243.610	2.6	106	0.00
59	T	2-Hexanone	250.000	236.822	5.3	92	0.00
60	T	Dibromochloromethane	50.000	47.121	5.8	92	0.00
61	T	1,2-Dibromoethane	50.000	45.952	8.1	91	0.00
62	S	4-Bromofluorobenzene	50.000	42.982	14.0	86	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	98	0.00
64	T	Tetrachloroethene	50.000	49.626	0.7	101	0.00
65	PM	Chlorobenzene	50.000	48.986	2.0	97	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.083	1.8	97	0.00
67	C	Ethyl Benzene	50.000	49.815	0.4#	98	0.00
68	T	m/p-Xylenes	100.000	99.430	0.6	98	0.00
69	T	o-Xylene	50.000	49.568	0.9	97	0.00
70	T	Styrene	50.000	49.827	0.3	97	0.00
71	P	Bromoform	50.000	45.451	9.1	89	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	98	0.00
73	T	Isopropylbenzene	50.000	49.908	0.2	98	0.00
74	T	N-amyl acetate	50.000	45.328	9.3	85	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	44.824	10.4	88	0.00
76	T	1,2,3-Trichloropropane	50.000	45.834	8.3	90	0.00
77	T	Bromobenzene	50.000	48.267	3.5	95	0.00
78	T	n-propylbenzene	50.000	49.775	0.5	97	0.00
79	T	2-Chlorotoluene	50.000	49.628	0.7	98	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.995	0.0	98	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.313	9.4	86	0.00
82	T	4-Chlorotoluene	50.000	48.929	2.1	96	0.00
83	T	tert-Butylbenzene	50.000	49.469	1.1	97	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.877	0.2	96	0.00
85	T	sec-Butylbenzene	50.000	49.451	1.1	97	0.00
86	T	p-Isopropyltoluene	50.000	50.187	-0.4	97	0.00
87	T	1,3-Dichlorobenzene	50.000	48.653	2.7	96	0.00
88	T	1,4-Dichlorobenzene	50.000	47.888	4.2	95	0.00
89	T	n-Butylbenzene	50.000	50.725	-1.5	97	0.00
90	T	Hexachloroethane	50.000	49.342	1.3	97	0.00
91	T	1,2-Dichlorobenzene	50.000	48.162	3.7	96	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	41.418	17.2	83	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.388	1.2	94	0.00
94	T	Hexachlorobutadiene	50.000	51.372	-2.7	99	0.00
95	T	Naphthalene	50.000	46.344	7.3	87	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020620.D
Acq On : 17 Dec 2024 17:41
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Quant Time: Dec 18 05:29:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 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)
96 T	1,2,3-Trichlorobenzene	50.000	48.662	2.7	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG No.: P5316

Instrument ID: MSVOA_Y Calibration Date(s): 12/26/2024 12/26/2024

Heated Purge: (Y/N) Y Calibration Time(s): 09:31 11:51

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

LAB FILE ID: RRF005 = VY020706.D RRF010 = VY020707.D RRF020 = VY020708.D
RRF050 = VY020709.D RRF150 = VY020710.D RRF100 = VY020711.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF150	RRF100	$\overline{RRF}$	% RSD
Vinyl Chloride	0.168	0.195	0.176	0.192	0.178	0.181	0.182	5.6
1,1-Dichloroethene	0.326	0.359	0.330	0.352	0.340	0.344	0.342	3.7
Acetone	0.050	0.068	0.045	0.054	0.048	0.046	0.052	16.8
Methyl tert-butyl Ether	0.880	1.004	0.922	1.015	0.942	0.951	0.952	5.3
Methylene Chloride	0.324	0.365	0.328	0.343	0.329	0.338	0.338	4.5
trans-1,2-Dichloroethene	0.339	0.378	0.356	0.391	0.368	0.378	0.368	5
1,1-Dichloroethane	0.571	0.661	0.596	0.620	0.591	0.620	0.609	5.1
2-Butanone	0.069	0.069	0.066	0.080	0.071	0.067	0.070	7
Carbon Tetrachloride	0.556	0.644	0.581	0.614	0.593	0.606	0.599	5
cis-1,2-Dichloroethene	0.419	0.460	0.426	0.462	0.432	0.447	0.441	4.1
Chloroform	0.839	0.821	0.753	0.788	0.742	0.762	0.784	5
1,1,1-Trichloroethane	0.814	0.897	0.826	0.859	0.816	0.831	0.840	3.8
Benzene	0.969	1.104	1.040	1.089	1.041	1.083	1.054	4.7
1,2-Dichloroethane	0.297	0.352	0.325	0.364	0.342	0.348	0.338	7
Trichloroethene	0.288	0.336	0.315	0.324	0.309	0.317	0.315	5.1
Toluene	0.654	0.751	0.722	0.745	0.723	0.741	0.723	4.9
Tetrachloroethene	0.308	0.360	0.348	0.351	0.337	0.346	0.342	5.3
Chlorobenzene	0.925	1.044	0.976	1.002	0.943	0.985	0.979	4.3
Ethyl Benzene	1.540	1.810	1.715	1.778	1.682	1.743	1.711	5.6
m/p-Xylenes	0.590	0.691	0.649	0.675	0.643	0.667	0.653	5.4
o-Xylene	0.552	0.666	0.639	0.650	0.603	0.632	0.624	6.6
n-propylbenzene	3.521	4.231	3.972	3.896	3.774	3.902	3.883	6
tert-Butylbenzene	2.487	2.888	2.751	2.727	2.632	2.687	2.695	4.9
1,2,4-Trimethylbenzene	2.513	2.946	2.860	2.888	2.777	2.867	2.809	5.5
sec-Butylbenzene	3.316	3.880	3.730	3.676	3.540	3.653	3.633	5.3
1,3-Dichlorobenzene	1.428	1.670	1.567	1.578	1.529	1.579	1.559	5.1
1,4-Dichlorobenzene	1.492	1.625	1.562	1.572	1.502	1.549	1.550	3.1
n-Butylbenzene	2.356	2.894	2.764	2.757	2.683	2.760	2.702	6.8
1,2-Dichlorobenzene	1.197	1.374	1.362	1.410	1.328	1.347	1.336	5.5
1,2-Dichloroethane-d4	0.335	0.402	0.313	0.516	0.433	0.457	0.410	18.7

* 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.: P5316 SAS No.: P5316 SDG No.: P5316

Instrument ID: MSVOA_Y Calibration Date(s): 12/26/2024 12/26/2024

Heated Purge: (Y/N) Y Calibration Time(s): 09:31 11:51

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

LAB FILE ID: RRF005 = VY020706.D RRF010 = VY020707.D RRF020 = VY020708.D
RRF050 = VY020709.D RRF150 = VY020710.D RRF100 = VY020711.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF150	RRF100	$\overline{RRF}$	% RSD
Dibromofluoromethane	0.235	0.274	0.232	0.319	0.284	0.307	0.275	13.1
Toluene-d8	0.733	0.883	0.733	1.227	1.093	1.158	0.971	22.4
4-Bromofluorobenzene	0.303	0.378	0.319	0.426	0.373	0.397	0.366	12.8
1,4-Dioxane	1.014	1.439	1.316	1.680	1.562	1.428	1.407	16.3

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

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y122624S.M
Title : SW846 8260
Last Update : Thu Dec 26 16:12:28 2024
Response Via : Initial Calibration

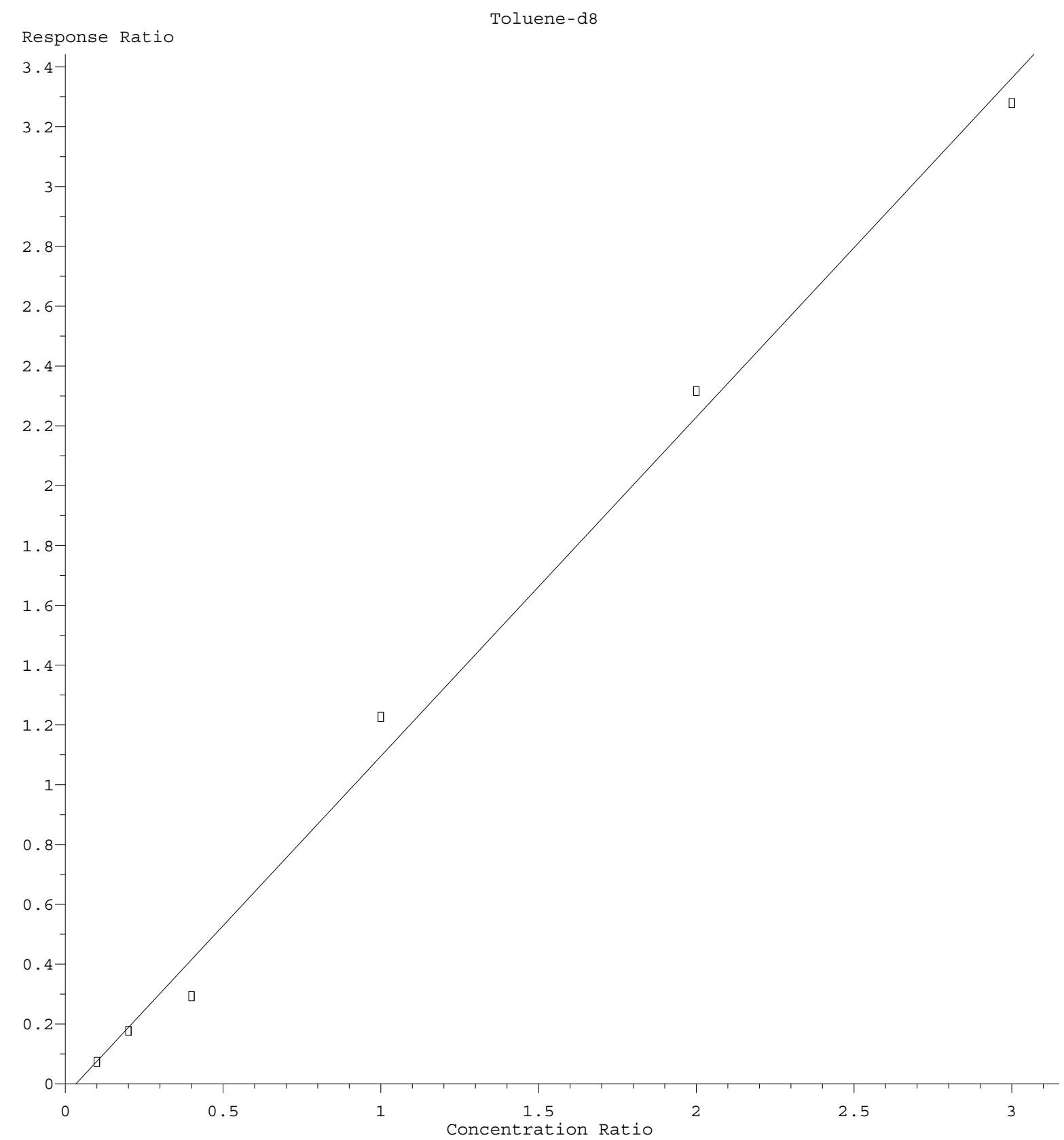
Calibration Files
5 =VY020706.D 10 =VY020707.D 20 =VY020708.D 50 =VY020709.D 100 =VY020711.D 150 =VY020710.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.368	0.453	0.375	0.405	0.385	0.376	0.394	8.03
3)	P	Chloromethane	0.136	0.154	0.131	0.157	0.155	0.148	0.147	7.55
4)	C	Vinyl Chloride	0.168	0.195	0.176	0.192	0.181	0.178	0.182	5.65#
5)	T	Bromomethane	0.131	0.149	0.128	0.141	0.138	0.136	0.137	5.45
6)	T	Chloroethane	0.101	0.116	0.102	0.113	0.111	0.112	0.109	5.60
7)	T	Trichlorofluor...	0.651	0.767	0.686	0.715	0.689	0.689	0.699	5.55
8)	T	Diethyl Ether	0.149	0.171	0.156	0.178	0.175	0.169	0.166	6.77
9)	T	1,1,2-Trichlor...	0.346	0.428	0.378	0.391	0.385	0.376	0.384	6.92
10)	T	Methyl Iodide	0.355	0.420	0.396	0.453	0.450	0.445	0.420	9.20
11)	T	Tert butyl alc...	0.049	0.032	0.026	0.028	0.023	0.025	0.031	30.94
12)	CM	1,1-Dichloroet...	0.326	0.359	0.330	0.352	0.344	0.340	0.342	3.73#
13)	T	Acrolein	0.010	0.012	0.012	0.006	0.006	0.006	0.009	33.13
14)	T	Allyl chloride	0.356	0.425	0.389	0.414	0.412	0.403	0.400	6.16
15)	T	Acrylonitrile	0.058	0.068	0.060	0.071	0.064	0.065	0.064	7.69
16)	T	Acetone	0.050	0.068	0.045	0.054	0.046	0.048	0.052	16.75
17)	T	Carbon Disulfide	0.745	0.854	0.769	0.906	0.889	0.867	0.838	7.86
18)	T	Methyl Acetate	0.115	0.155	0.132	0.159	0.140	0.144	0.141	11.41
19)	T	Methyl tert-bu...	0.880	1.004	0.922	1.015	0.951	0.942	0.952	5.34
20)	T	Methylene Chlo...	0.324	0.365	0.328	0.343	0.338	0.329	0.338	4.47
21)	T	trans-1,2-Dich...	0.339	0.378	0.356	0.391	0.378	0.368	0.368	4.98
22)	T	Diisopropyl ether	0.729	0.884	0.804	0.857	0.819	0.785	0.813	6.73
23)	T	Vinyl Acetate	0.430	0.498	0.469	0.537	0.491	0.488	0.486	7.27
24)	P	1,1-Dichloroet...	0.571	0.661	0.596	0.620	0.620	0.591	0.609	5.11
25)	T	2-Butanone	0.069	0.069	0.066	0.080	0.067	0.071	0.070	6.95
26)	T	2,2-Dichloropr...	0.755	0.811	0.722	0.750	0.725	0.713	0.746	4.78
27)	T	cis-1,2-Dichlo...	0.419	0.460	0.426	0.462	0.447	0.432	0.441	4.08
28)	T	Bromochloromet...	0.133	0.151	0.129	0.193	0.184	0.178	0.161	16.93
29)	T	Tetrahydrofuran	0.040	0.045	0.040	0.049	0.041	0.044	0.043	8.24
30)	C	Chloroform	0.839	0.821	0.753	0.788	0.762	0.742	0.784	4.99#
31)	T	Cyclohexane	0.629	0.582	0.493	0.510	0.479	0.463	0.526	12.40
32)	T	1,1,1-Trichlor...	0.814	0.897	0.826	0.859	0.831	0.816	0.840	3.78
33)	S	1,2-Dichloroet...	0.335	0.402	0.313	0.516	0.457	0.433	0.410	18.66
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.235	0.274	0.232	0.319	0.307	0.284	0.275	13.05
36)	T	1,1-Dichloropr...	0.337	0.393	0.350	0.374	0.370	0.359	0.364	5.34
37)	T	Ethyl Acetate	0.116	0.110	0.120	0.133	0.117	0.123	0.120	6.49
38)	T	Carbon Tetrach...	0.556	0.644	0.581	0.614	0.606	0.593	0.599	5.03
39)	T	Methylcyclohexane	0.427	0.483	0.462	0.485	0.474	0.468	0.466	4.55
40)	TM	Benzene	0.969	1.104	1.040	1.089	1.083	1.041	1.054	4.68
41)	T	Methacrylonitrile	0.051	0.058	0.067	0.056	0.065	0.065	0.061	10.48
42)	TM	1,2-Dichloroet...	0.297	0.352	0.325	0.364	0.348	0.342	0.338	7.04
43)	T	Isopropyl Acetate	0.229	0.246	0.240	0.287	0.261	0.265	0.255	8.13
44)	TM	Trichloroethene	0.288	0.336	0.315	0.324	0.317	0.309	0.315	5.06
45)	C	1,2-Dichloropr...	0.205	0.230	0.205	0.225	0.211	0.204	0.213	5.29#
46)	T	Dibromomethane	0.138	0.153	0.140	0.159	0.148	0.148	0.148	5.32
47)	T	Bromodichlorom...	0.384	0.444	0.415	0.433	0.421	0.416	0.419	4.89
48)	T	Methyl methacr...	0.106	0.119	0.112	0.131	0.124	0.122	0.119	7.40
49)	T	1,4-Dioxane	0.001	0.001	0.001	0.002	0.001	0.002	0.001	16.30
50)	S	Toluene-d8	0.733	0.883	0.733	1.227	1.158	1.093	0.971	22.39
51)	T	4-Methyl-2-Pen...	0.111	0.123	0.117	0.140	0.121	0.126	0.123	7.76
52)	CM	Toluene	0.654	0.751	0.722	0.745	0.741	0.723	0.723	4.92#
53)	T	t-1,3-Dichloro...	0.318	0.366	0.352	0.403	0.386	0.382	0.368	8.17
54)	T	cis-1,3-Dichlo...	0.361	0.408	0.395	0.430	0.413	0.410	0.403	5.78
55)	T	1,1,2-Trichlor...	0.182	0.187	0.186	0.199	0.188	0.189	0.188	3.08

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y122624S.M

56)	T	Ethyl methacry...	0.193	0.249	0.243	0.277	0.258	0.266	0.248	11.94
57)	T	1,3-Dichloropr...	0.265	0.310	0.299	0.334	0.315	0.312	0.306	7.47
58)	T	2-Chloroethyl ...	0.067	0.079	0.079	0.102	0.095	0.096	0.086	15.15
59)	T	2-Hexanone	0.066	0.077	0.078	0.096	0.083	0.087	0.081	12.38
60)	T	Dibromochlorom...	0.276	0.321	0.294	0.316	0.312	0.309	0.305	5.52
61)	T	1,2-Dibromoethane	0.158	0.179	0.175	0.191	0.178	0.184	0.177	6.11
62)	S	4-Bromofluorob...	0.303	0.378	0.319	0.426	0.397	0.373	0.366	12.82
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.308	0.360	0.348	0.351	0.346	0.337	0.342	5.28
65)	PM	Chlorobenzene	0.925	1.044	0.976	1.002	0.985	0.943	0.979	4.33
66)	T	1,1,1,2-Tetrac...	0.365	0.406	0.367	0.390	0.383	0.366	0.379	4.39
67)	C	Ethyl Benzene	1.540	1.810	1.715	1.778	1.743	1.682	1.711	5.57#
68)	T	m/p-Xylenes	0.590	0.691	0.649	0.675	0.667	0.643	0.653	5.40
69)	T	o-Xylene	0.552	0.666	0.639	0.650	0.632	0.603	0.624	6.56
70)	T	Styrene	0.958	1.076	1.061	1.090	1.075	1.022	1.047	4.71
71)	P	Bromoform	0.188	0.227	0.212	0.241	0.222	0.218	0.218	8.20
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.123	3.801	3.508	3.476	3.474	3.402	3.464	6.27
74)	T	N-amyl acetate	0.391	0.483	0.476	0.547	0.518	0.538	0.492	11.64
75)	P	1,1,2,2-Tetrac...	0.430	0.438	0.438	0.476	0.431	0.451	0.444	3.85
76)	T	1,2,3-Trichlor...	0.376	0.226	0.360	0.300	0.284	0.362	0.318	18.29
77)	T	Bromobenzene	0.762	0.827	0.779	0.816	0.805	0.796	0.797	3.01
78)	T	n-propylbenzene	3.521	4.231	3.972	3.896	3.902	3.774	3.883	6.02
79)	T	2-Chlorotoluene	2.010	2.378	2.228	2.258	2.226	2.180	2.213	5.43
80)	T	1,3,5-Trimethy...	2.645	3.101	2.909	2.947	2.903	2.812	2.886	5.24
81)	T	trans-1,4-Dich...	0.151	0.153	0.155	0.175	0.165	0.165	0.161	5.87
82)	T	4-Chlorotoluene	2.099	2.437	2.294	2.344	2.310	2.240	2.287	4.95
83)	T	tert-Butylbenzene	2.487	2.888	2.751	2.727	2.687	2.632	2.695	4.94
84)	T	1,2,4-Trimethy...	2.513	2.946	2.860	2.888	2.867	2.777	2.809	5.51
85)	T	sec-Butylbenzene	3.316	3.880	3.730	3.676	3.653	3.540	3.633	5.25
86)	T	p-Isopropyltol...	2.922	3.487	3.288	3.295	3.259	3.173	3.237	5.74
87)	T	1,3-Dichlorobe...	1.428	1.670	1.567	1.578	1.579	1.529	1.559	5.06
88)	T	1,4-Dichlorobe...	1.492	1.625	1.562	1.572	1.549	1.502	1.550	3.15
89)	T	n-Butylbenzene	2.356	2.894	2.764	2.757	2.760	2.683	2.702	6.77
90)	T	Hexachloroethane	0.586	0.657	0.601	0.616	0.625	0.609	0.616	3.97
91)	T	1,2-Dichlorobe...	1.197	1.374	1.362	1.410	1.347	1.328	1.336	5.50
92)	T	1,2-Dibromo-3-...	0.068	0.089	0.086	0.098	0.086	0.090	0.086	11.75
93)	T	1,2,4-Trichlor...	0.666	0.826	0.811	0.902	0.944	0.947	0.849	12.58
94)	T	Hexachlorobuta...	0.538	0.652	0.608	0.624	0.658	0.635	0.619	7.05
95)	T	Naphthalene	0.979	1.248	1.290	1.528	1.513	1.604	1.360	17.19
96)	T	1,2,3-Trichlor...	0.531	0.678	0.678	0.773	0.787	0.796	0.707	14.34

(#) = Out of Range



Response = 1.134e+000 * Amt - 3.913e-002
Coef of Det (r^2) = 0.994604 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y122624S.M
Calibration Table Last Updated: Thu Dec 26 16:12:28 2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020706.D
Acq On : 26 Dec 2024 09:31
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Quant Time: Dec 26 16:01:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 15:59:15 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.720	168	118156	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.622	114	168634	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.426	117	139342	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	68108	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.073	65	3955	4.087	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 8.180%#				
35) Dibromofluoromethane	7.646	113	3966	4.270	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 8.540%#				
50) Toluene-d8	10.115	98	12366	4.957	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 9.920%#				
62) 4-Bromofluorobenzene	12.414	95	5109	4.139	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 8.280%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.873	85	4346	4.673	ug/l		85
3) Chloromethane	2.074	50	1604	4.624	ug/l		98
4) Vinyl Chloride	2.214	62	1987	4.624	ug/l		97
5) Bromomethane	2.611	94	1547	4.768	ug/l		81
6) Chloroethane	2.757	64	1195	4.635	ug/l	#	81
7) Trichlorofluoromethane	3.074	101	7688	4.652	ug/l		88
8) Diethyl Ether	3.470	74	1765	4.488	ug/l		83
9) 1,1,2-Trichlorotrifluo...	3.824	101	4090	4.508	ug/l		93
10) Methyl Iodide	4.019	142	4193	4.226	ug/l		99
11) Tert butyl alcohol	4.885	59	2879m	29.170	ug/l		
12) 1,1-Dichloroethene	3.818	96	3846	4.763	ug/l	#	80
13) Acrolein	3.678	56	596	29.459	ug/l		93
14) Allyl chloride	4.403	41	4206	4.451	ug/l		99
15) Acrylonitrile	5.074	53	3397	22.361	ug/l	#	89
16) Acetone	3.897	43	2982	24.288	ug/l		95
17) Carbon Disulfide	4.129	76	8806	4.445	ug/l		97
18) Methyl Acetate	4.403	43	1356	4.081	ug/l		99
19) Methyl tert-butyl Ether	5.129	73	10398	4.620	ug/l		97
20) Methylene Chloride	4.641	84	3827m	4.796	ug/l		
21) trans-1,2-Dichloroethene	5.122	96	4008	4.606	ug/l		91
22) Diisopropyl ether	6.031	45	8608	4.481	ug/l	#	86
23) Vinyl Acetate	5.982	43	25395	22.132	ug/l		99
24) 1,1-Dichloroethane	5.927	63	6745	4.683	ug/l		93
25) 2-Butanone	6.909	43	4081	24.607	ug/l		94
26) 2,2-Dichloropropane	6.890	77	8915	5.057	ug/l		94
27) cis-1,2-Dichloroethene	6.915	96	4953	4.753	ug/l		95
28) Bromochloromethane	7.268	49	1572	4.127	ug/l	#	100
29) Tetrahydrofuran	7.281	42	2337	22.956	ug/l		95
30) Chloroform	7.433	83	9912	5.350	ug/l		93
31) Cyclohexane	7.713	56	7429	5.976	ug/l	#	81
32) 1,1,1-Trichloroethane	7.634	97	9621	4.844	ug/l		98
36) 1,1-Dichloropropene	7.848	75	5685	4.633	ug/l		96
37) Ethyl Acetate	7.012	43	1951	4.825	ug/l	#	86
38) Carbon Tetrachloride	7.829	117	9371	4.638	ug/l		97
39) Methylcyclohexane	9.122	83	7196	4.576	ug/l		95
40) Benzene	8.098	78	16340	4.595	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020706.D
Acq On : 26 Dec 2024 09:31
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Dec 26 16:01:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 15:59:15 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	865	4.235	ug/l	#	84
42) 1,2-Dichloroethane	8.171	62	5012	4.396	ug/l		99
43) Isopropyl Acetate	8.201	43	3867	4.500	ug/l		99
44) Trichloroethene	8.872	130	4862	4.578	ug/l		98
45) 1,2-Dichloropropane	9.152	63	3462	4.810	ug/l		94
46) Dibromomethane	9.238	93	2330	4.678	ug/l		96
47) Bromodichloromethane	9.433	83	6469	4.581	ug/l		89
48) Methyl methacrylate	9.238	41	1784	4.445	ug/l		92
49) 1,4-Dioxane	9.250	88	342	72.090	ug/l	#	80
51) 4-Methyl-2-Pentanone	10.006	43	9383	22.620	ug/l		99
52) Toluene	10.182	92	11031	4.526	ug/l		98
53) t-1,3-Dichloropropene	10.402	75	5357	4.320	ug/l		97
54) cis-1,3-Dichloropropene	9.865	75	6091	4.481	ug/l		92
55) 1,1,2-Trichloroethane	10.579	97	3068	4.826	ug/l	#	93
56) Ethyl methacrylate	10.445	69	3250	3.891	ug/l		94
57) 1,3-Dichloropropane	10.725	76	4475	4.337	ug/l		95
58) 2-Chloroethyl Vinyl ether	9.719	63	5665	19.451	ug/l		95
59) 2-Hexanone	10.768	43	5560	20.301	ug/l		95
60) Dibromochloromethane	10.920	129	4656	4.532	ug/l		100
61) 1,2-Dibromoethane	11.024	107	2672	4.467	ug/l		93
64) Tetrachloroethene	10.652	164	4294	4.511	ug/l		92
65) Chlorobenzene	11.451	112	12888	4.724	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.524	131	5080	4.806	ug/l		95
67) Ethyl Benzene	11.524	91	21456	4.499	ug/l		100
68) m/p-Xylenes	11.640	106	16447	9.042	ug/l		99
69) o-Xylene	11.963	106	7691	4.425	ug/l		95
70) Styrene	11.981	104	13353	4.577	ug/l		96
71) Bromoform	12.146	173	2618	4.308	ug/l	#	98
73) Isopropylbenzene	12.261	105	21271	4.508	ug/l		97
74) N-amyl acetate	12.078	43	2662	3.970	ug/l		94
75) 1,1,2,2-Tetrachloroethane	12.511	83	2932	4.847	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	2559m	5.265	ug/l		
77) Bromobenzene	12.542	156	5187	4.775	ug/l		95
78) n-propylbenzene	12.603	91	23980	4.534	ug/l		99
79) 2-Chlorotoluene	12.688	91	13687	4.540	ug/l		98
80) 1,3,5-Trimethylbenzene	12.743	105	18014	4.582	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.310	75	1030	4.700	ug/l		94
82) 4-Chlorotoluene	12.786	91	14294	4.588	ug/l		97
83) tert-Butylbenzene	13.005	119	16938	4.613	ug/l		99
84) 1,2,4-Trimethylbenzene	13.054	105	17114	4.473	ug/l		97
85) sec-Butylbenzene	13.182	105	22583	4.564	ug/l		97
86) p-Isopropyltoluene	13.298	119	19901	4.513	ug/l		99
87) 1,3-Dichlorobenzene	13.298	146	9727	4.582	ug/l		95
88) 1,4-Dichlorobenzene	13.377	146	10161	4.811	ug/l		93
89) n-Butylbenzene	13.627	91	16045	4.359	ug/l		98
90) Hexachloroethane	13.883	117	3991	4.760	ug/l		95
91) 1,2-Dichlorobenzene	13.670	146	8154	4.480	ug/l		94
92) 1,2-Dibromo-3-Chloropr...	14.291	75	460	3.921	ug/l		86
93) 1,2,4-Trichlorobenzene	14.932	180	4536	3.920	ug/l		95
94) Hexachlorobutadiene	15.035	225	3664	4.345	ug/l		98
95) Naphthalene	15.157	128	6669	3.599	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	3615	3.753	ug/l		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020706.D
Acq On : 26 Dec 2024 09:31
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Quant Time: Dec 26 16:01:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 15:59:15 2024
Response via : Initial Calibration

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

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020706.D
Acq On : 26 Dec 2024 09:31
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 26 16:01:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 15:59:15 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
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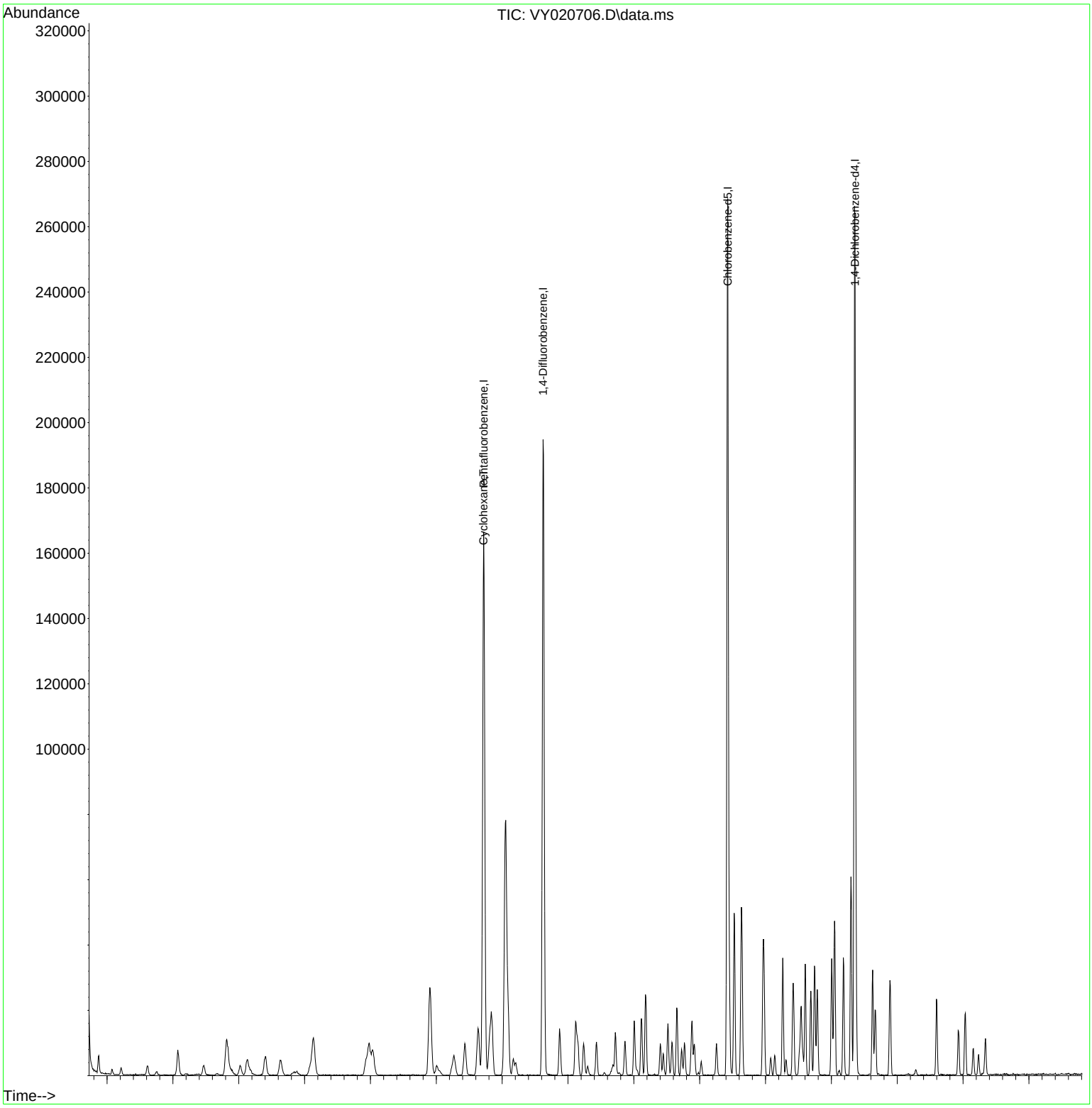
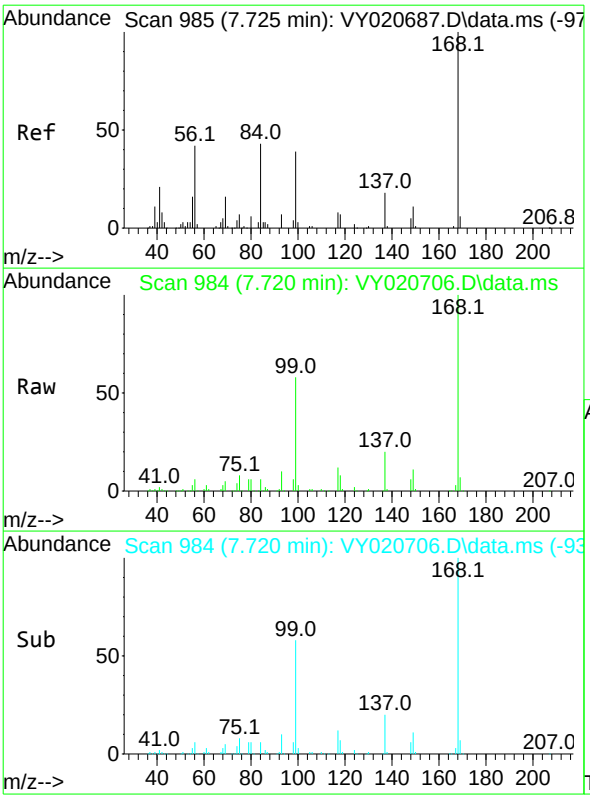
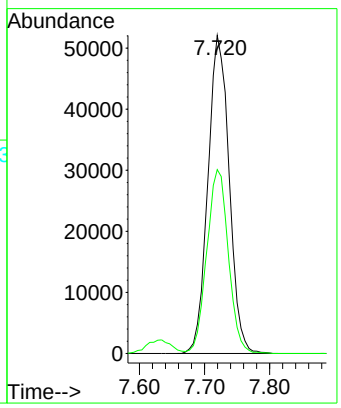




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 98
Delta R.T. -0.005 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:168 Resp: 118156

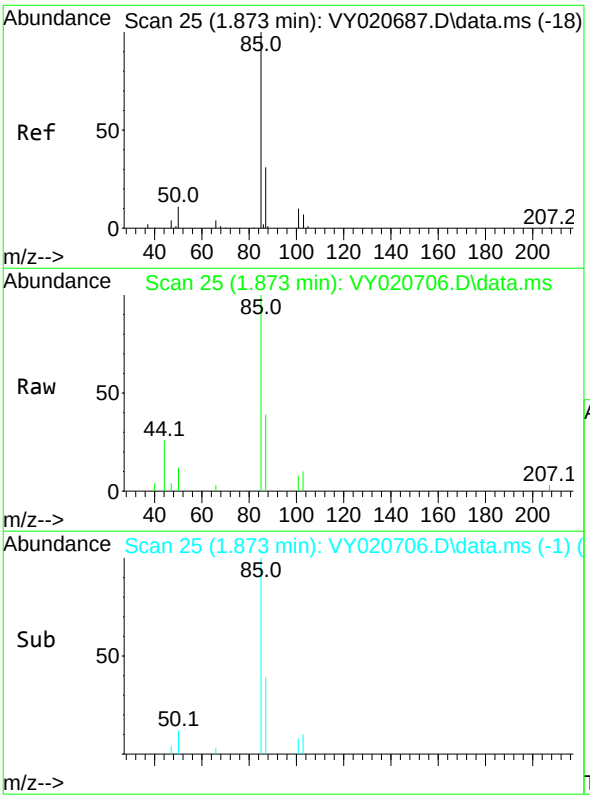
Ion	Ratio	Lower	Upper
168	100		
99	57.8	43.8	65.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

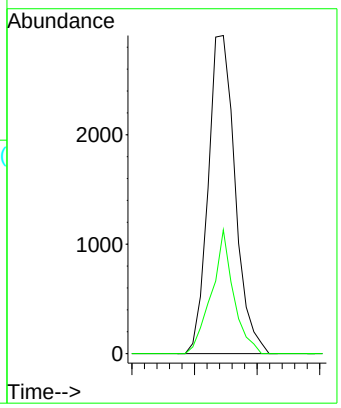
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

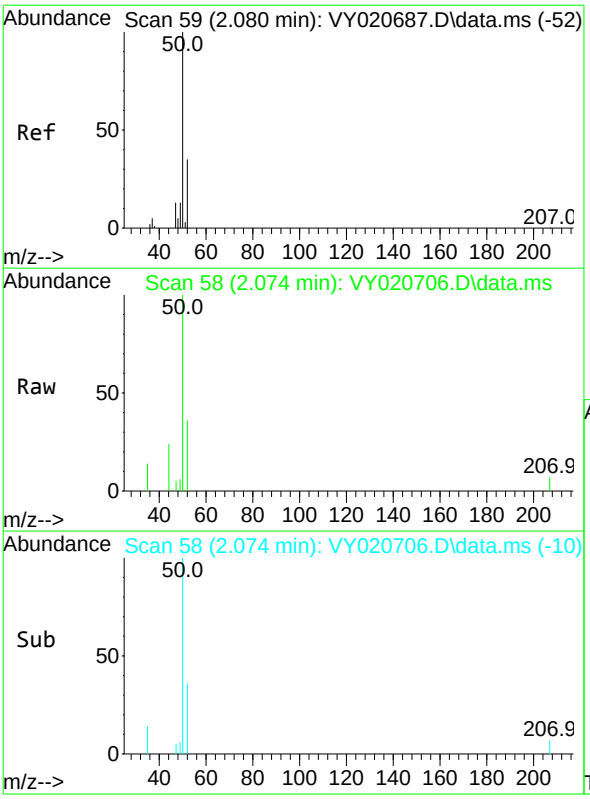


#2
Dichlorodifluoromethane
Concen: 4.673 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 85 Resp: 4346

Ion	Ratio	Lower	Upper
85	100		
87	38.9	15.4	46.4

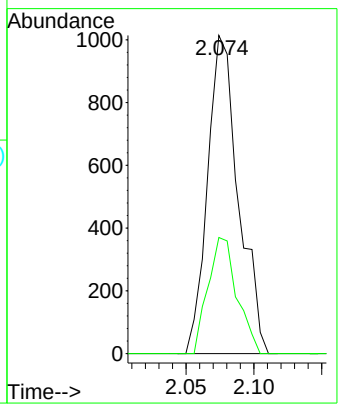




#3
Chloromethane
Concen: 4.624 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 50 Resp: 1604

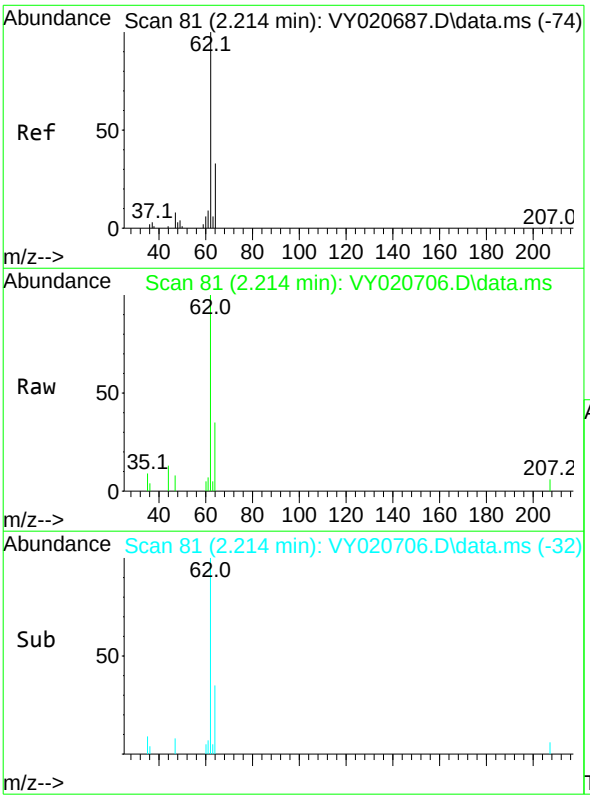
Ion	Ratio	Lower	Upper
50	100		
52	36.5	28.2	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

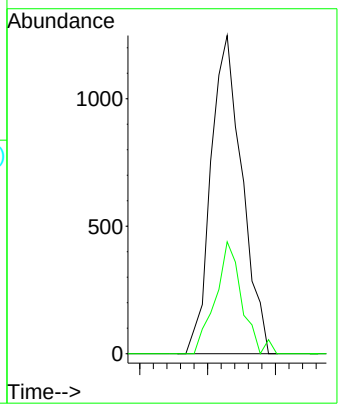
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

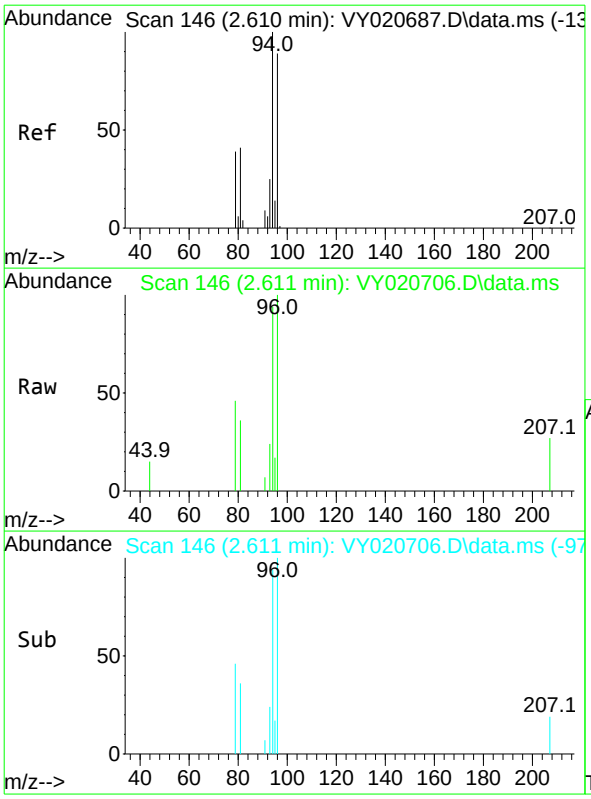


#4
Vinyl Chloride
Concen: 4.624 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 62 Resp: 1987

Ion	Ratio	Lower	Upper
62	100		
64	35.2	26.6	40.0

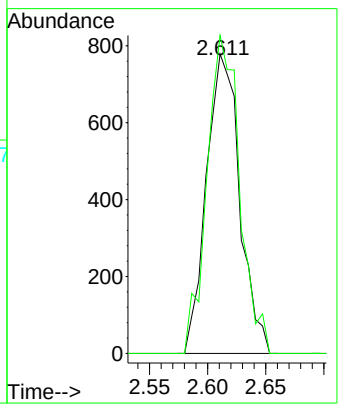




#5
Bromomethane
Concen: 4.768 ug/l
RT: 2.611 min Scan# 14
Delta R.T. 0.001 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 94 Resp: 1547

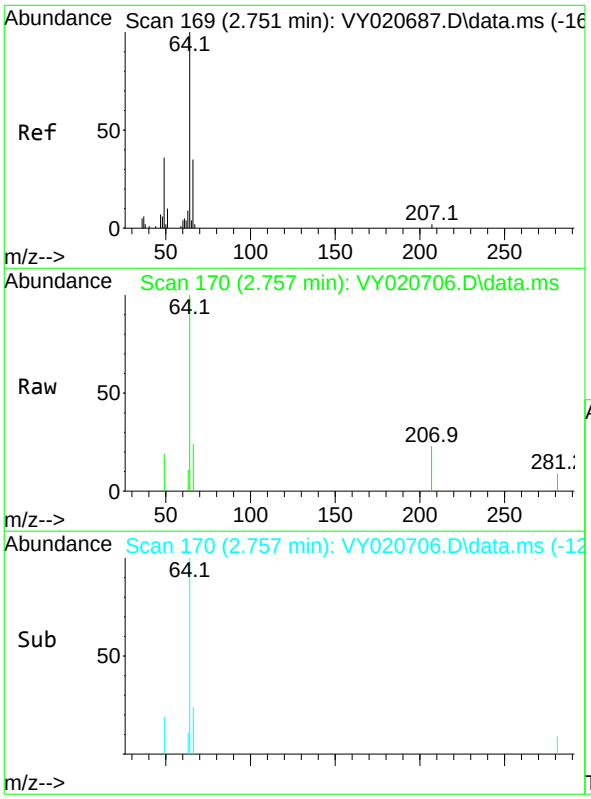
Ion	Ratio	Lower	Upper
94	100		
96	106.2	71.0	106.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

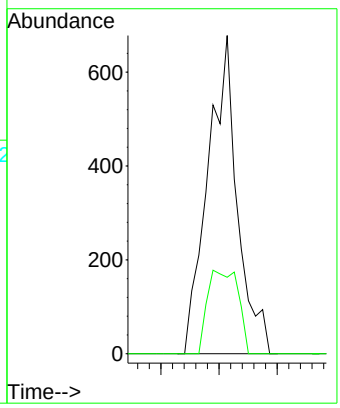
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

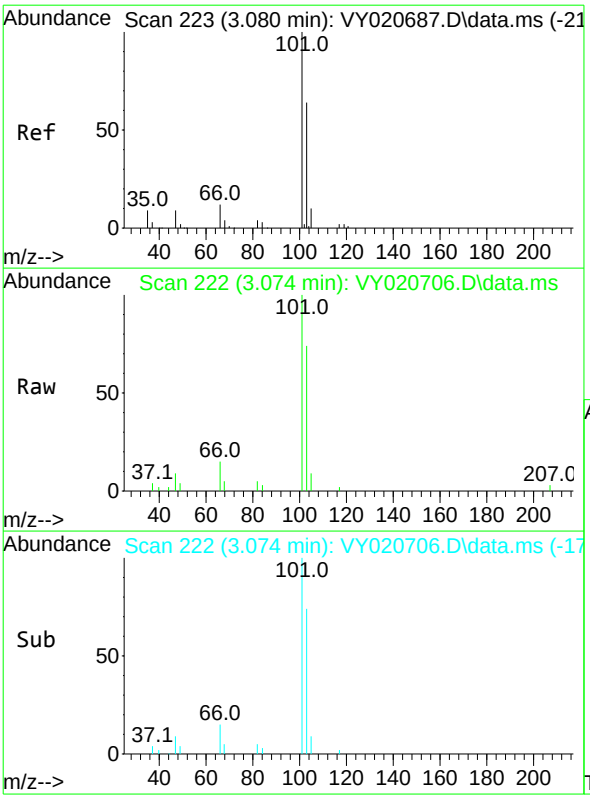


#6
Chloroethane
Concen: 4.635 ug/l
RT: 2.757 min Scan# 170
Delta R.T. 0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 64 Resp: 1195

Ion	Ratio	Lower	Upper
64	100		
66	24.0	27.8	41.8#

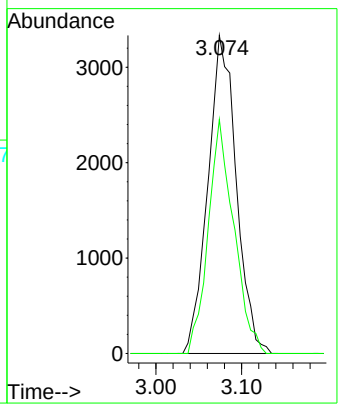




#7
Trichlorofluoromethane
Concen: 4.652 ug/l
RT: 3.074 min Scan# 22
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:101 Resp: 7688

Ion	Ratio	Lower	Upper
101	100		
103	73.6	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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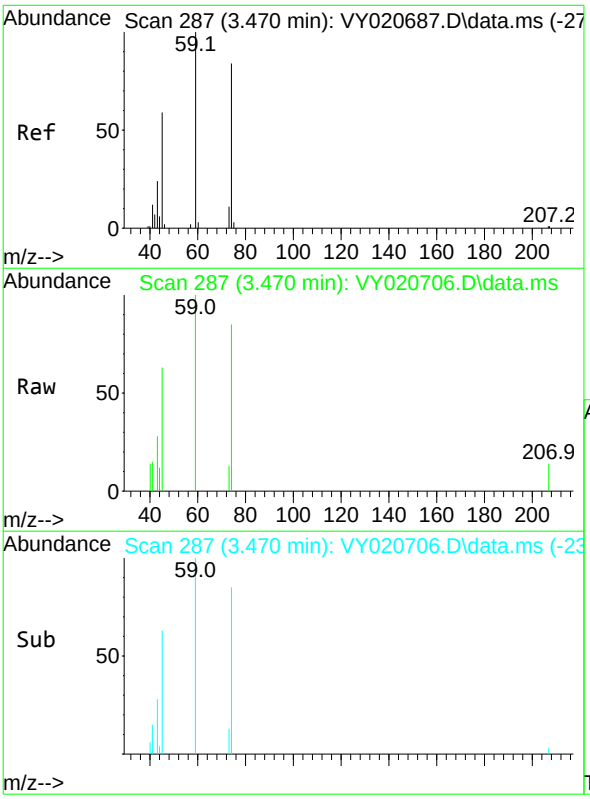
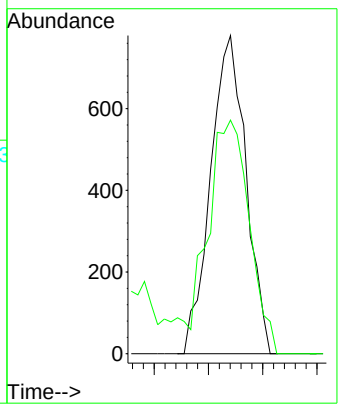
Supervised By :Semsettin Yesilyurt 12/27/2024

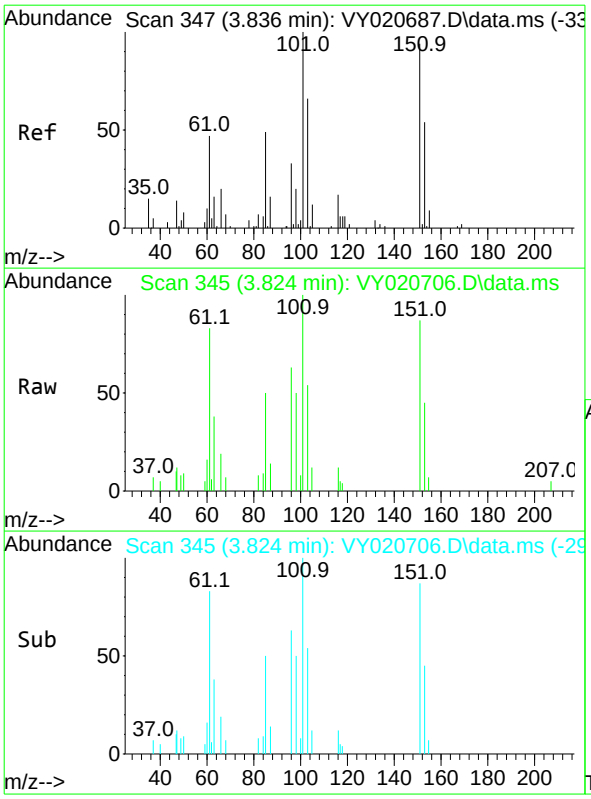


#8
Diethyl Ether
Concen: 4.488 ug/l
RT: 3.470 min Scan# 287
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 74 Resp: 1765

Ion	Ratio	Lower	Upper
74	100		
45	86.1	35.8	107.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.508 ug/l
RT: 3.824 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 4090

Ion	Ratio	Lower	Upper
101	100		
85	51.1	38.2	57.2
151	92.5	68.4	102.6

Manual Integrations
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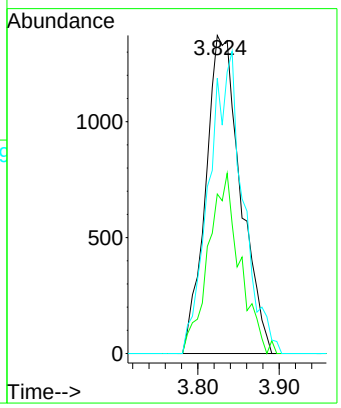
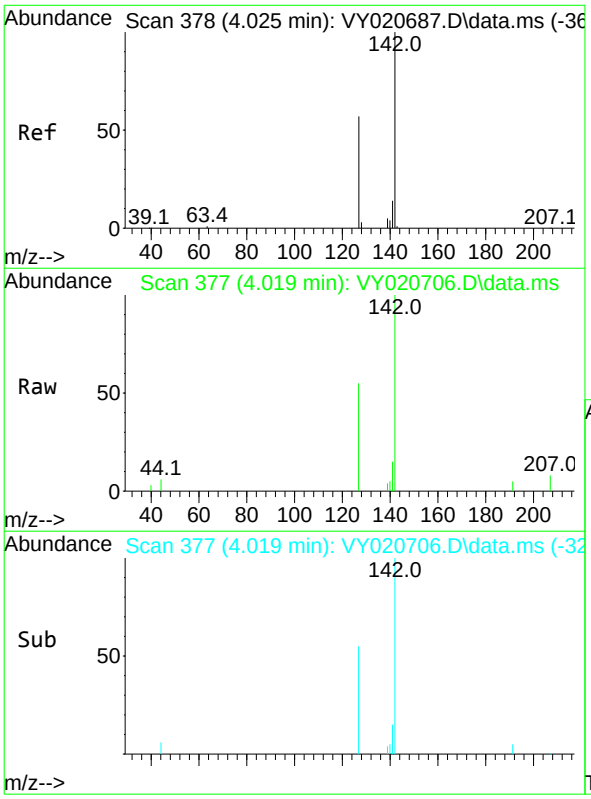
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

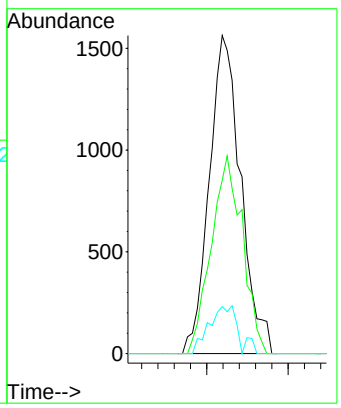


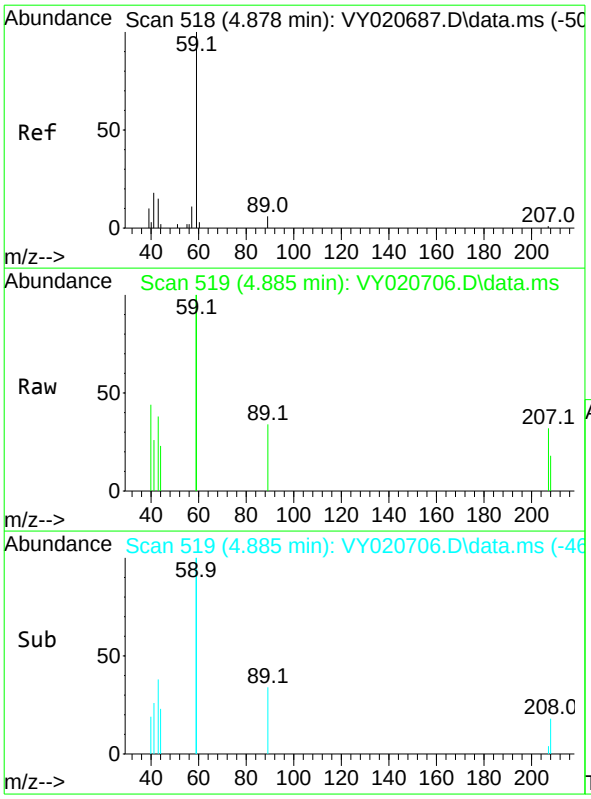


#10
Methyl Iodide
Concen: 4.226 ug/l
RT: 4.019 min Scan# 377
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:142 Resp: 4193

Ion	Ratio	Lower	Upper
142	100		
127	61.6	48.8	73.2
141	13.9	11.9	17.9

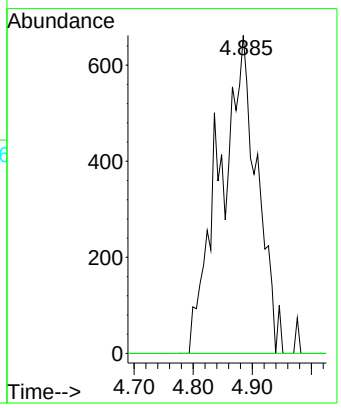




#11
Tert butyl alcohol
Concen: 29.170 ug/l m
RT: 4.885 min Scan# 51
Delta R.T. 0.007 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 59 Resp: 2879

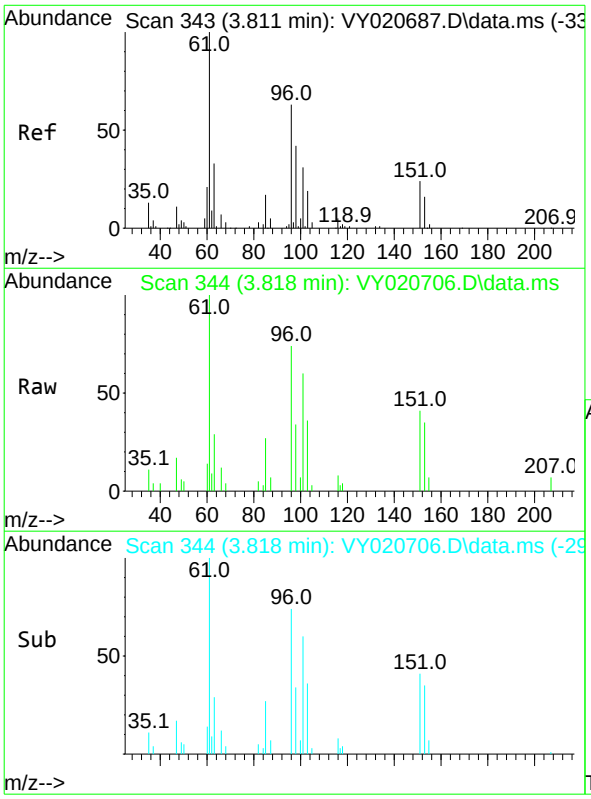
Ion	Ratio	Lower	Upper
59	100		
57	0.0	2.8	4.2#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

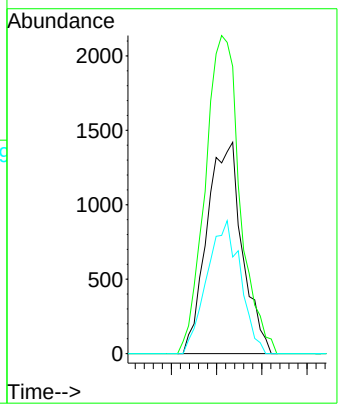
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

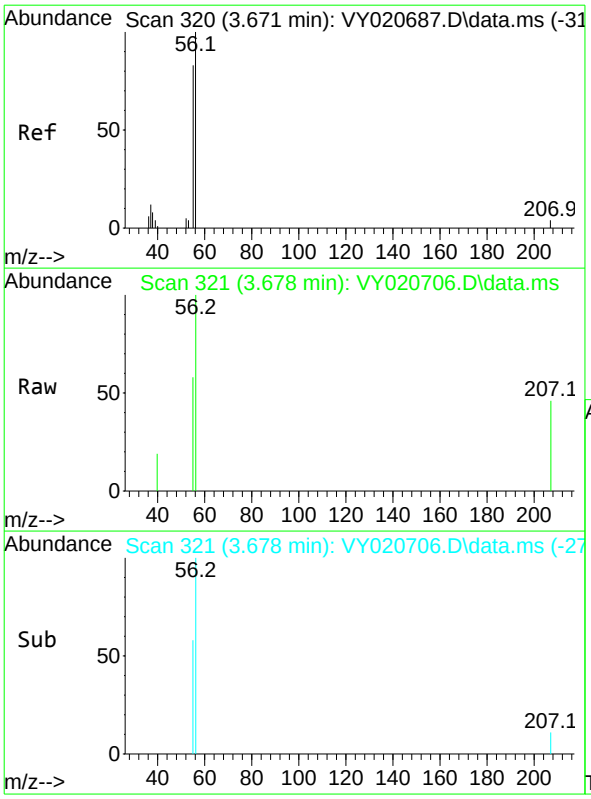


#12
1,1-Dichloroethene
Concen: 4.763 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.007 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 96 Resp: 3846

Ion	Ratio	Lower	Upper
96	100		
61	135.8	127.1	190.7
98	45.7	53.4	80.0#

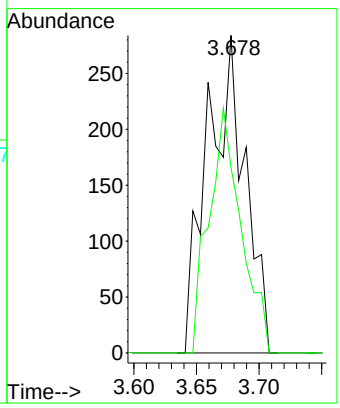




#13
Acrolein
Concen: 29.459 ug/l
RT: 3.678 min Scan# 32
Delta R.T. 0.007 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 56 Resp: 596

Ion	Ratio	Lower	Upper
56	100		
55	65.6	57.0	85.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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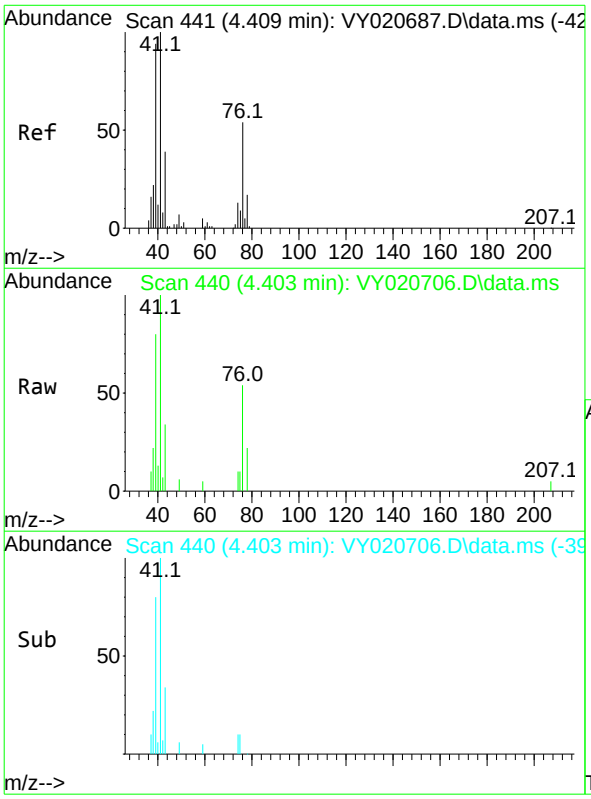
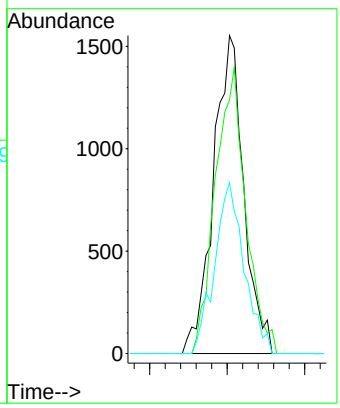
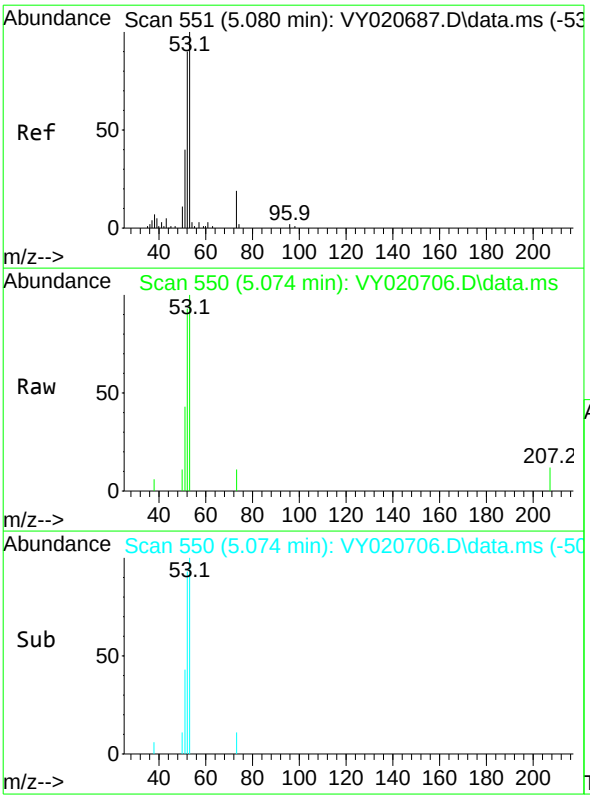


#14
Allyl chloride
Concen: 4.451 ug/l
RT: 4.403 min Scan# 440
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 41 Resp: 4206

Ion	Ratio	Lower	Upper
41	100		
39	90.1	73.5	110.3
76	52.5	41.8	62.8

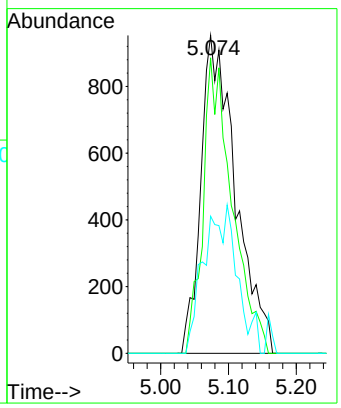




#15
Acrylonitrile
Concen: 22.361 ug/l
RT: 5.074 min Scan# 55
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 53 Resp: 3397

Ion	Ratio	Lower	Upper
53	100		
52	77.8	67.1	100.7
51	26.8	31.4	47.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
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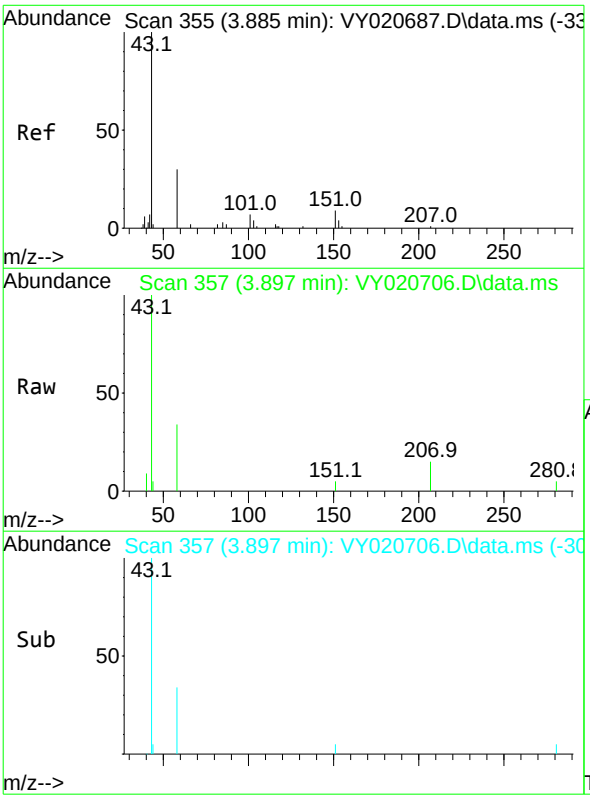
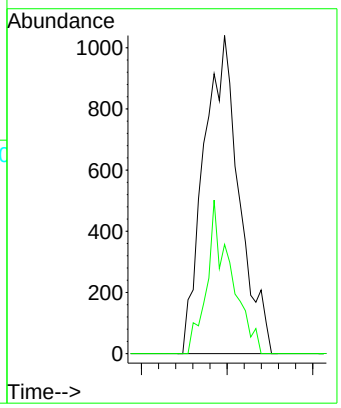
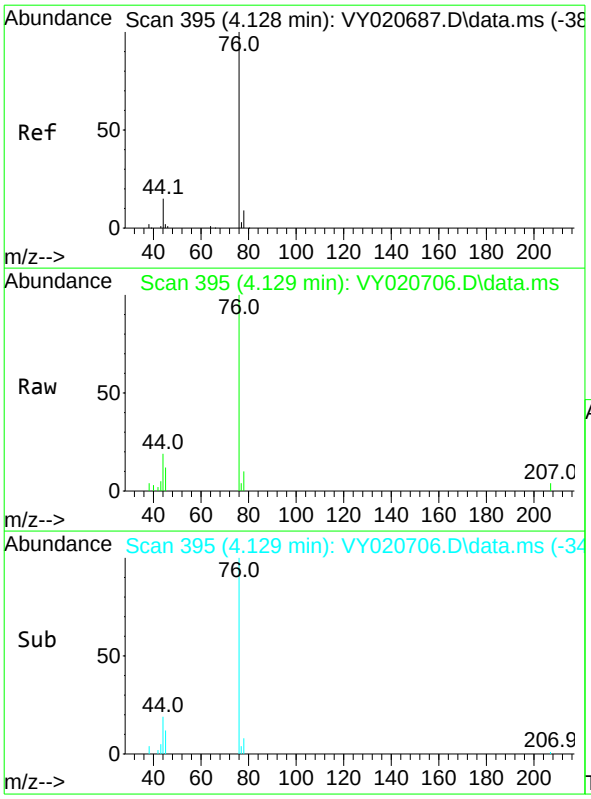


#16
Acetone
Concen: 24.288 ug/l
RT: 3.897 min Scan# 357
Delta R.T. 0.012 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 43 Resp: 2982

Ion	Ratio	Lower	Upper
43	100		
58	34.3	25.0	37.6





#17
Carbon Disulfide
Concen: 4.445 ug/l
RT: 4.129 min Scan# 39
Delta R.T. 0.001 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

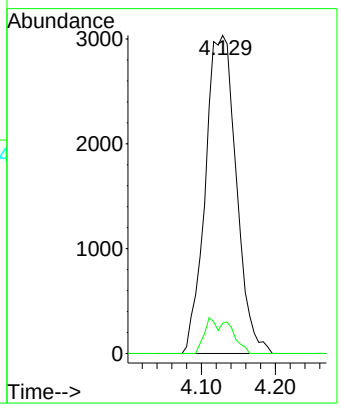
Tgt Ion: 76 Resp: 8806

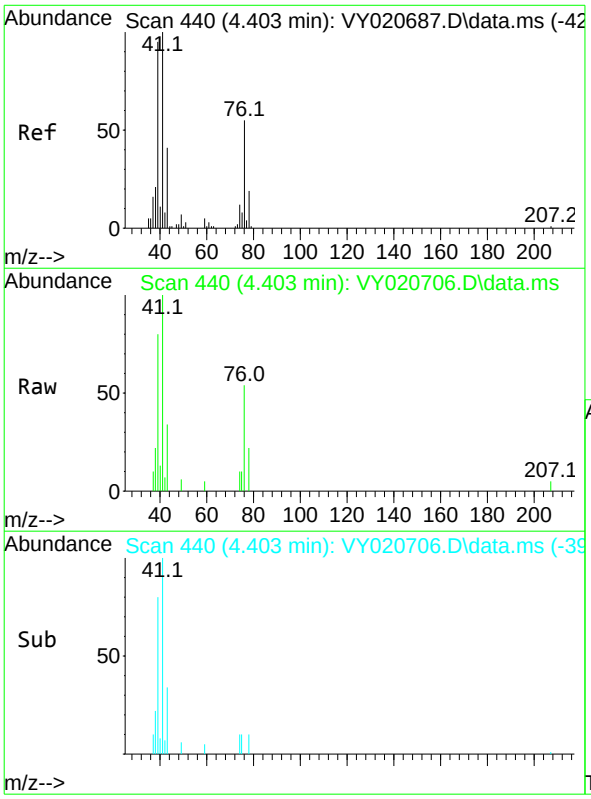
Ion	Ratio	Lower	Upper
76	100		
78	9.5	6.9	10.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

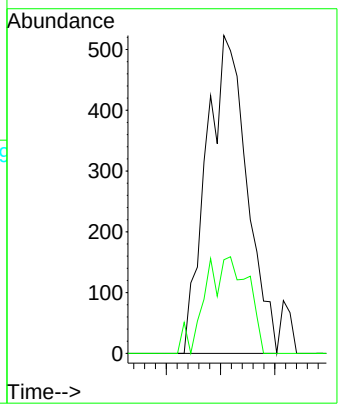


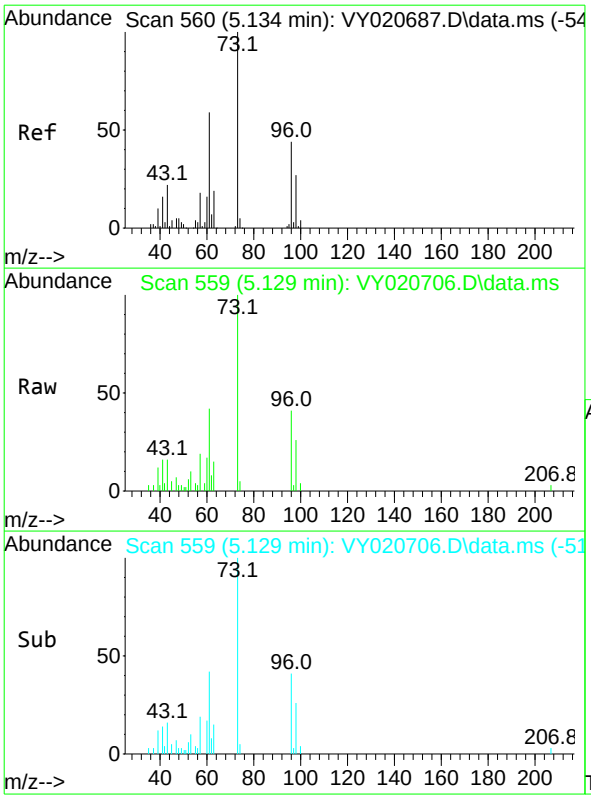


#18
Methyl Acetate
Concen: 4.081 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 43 Resp: 1356

Ion	Ratio	Lower	Upper
43	100		
74	32.0	25.3	37.9

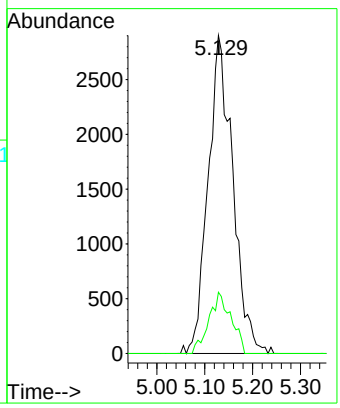




#19
Methyl tert-butyl Ether
Concen: 4.620 ug/l
RT: 5.129 min Scan# 55
Delta R.T. -0.005 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 73 Resp: 10398

Ion	Ratio	Lower	Upper
73	100		
57	19.3	14.4	21.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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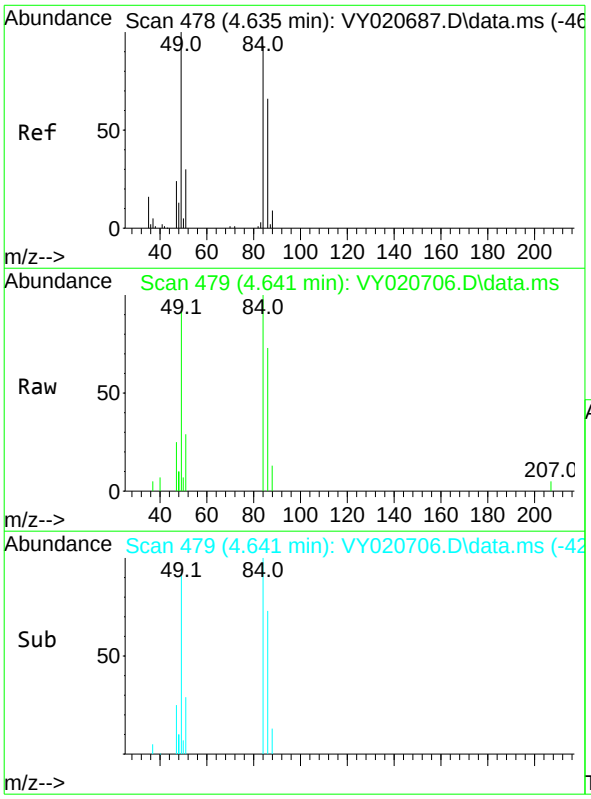
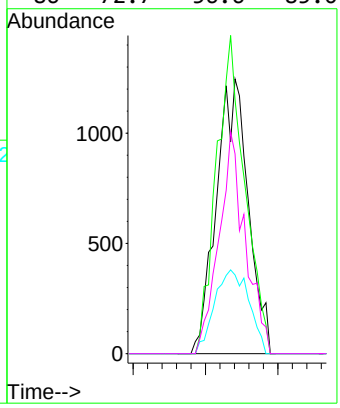
Supervised By :Semsettin Yesilyurt 12/27/2024

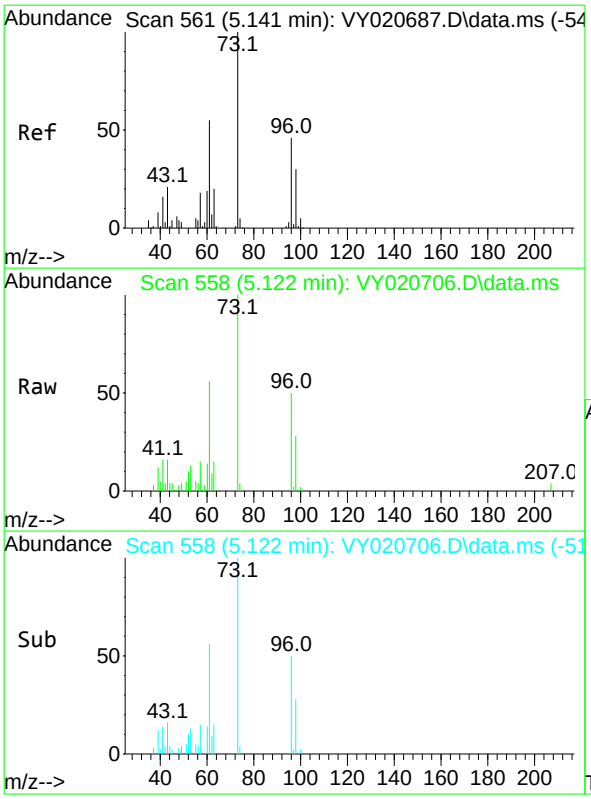


#20
Methylene Chloride
Concen: 4.796 ug/l m
RT: 4.641 min Scan# 479
Delta R.T. 0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 84 Resp: 3827

Ion	Ratio	Lower	Upper
84	100		
49	92.5	86.4	129.6
51	28.7	25.5	38.3
86	72.7	56.6	85.0

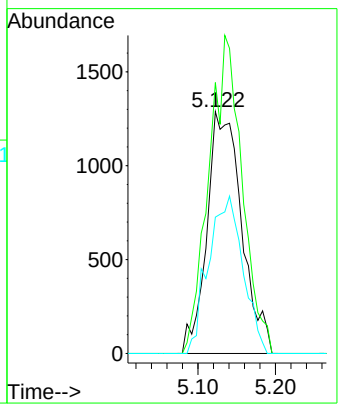




#21
trans-1,2-Dichloroethene
Concen: 4.606 ug/l
RT: 5.122 min Scan# 55
Delta R.T. -0.019 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 96 Resp: 4008

Ion	Ratio	Lower	Upper
96	100		
61	112.0	96.1	144.1
98	56.4	52.7	79.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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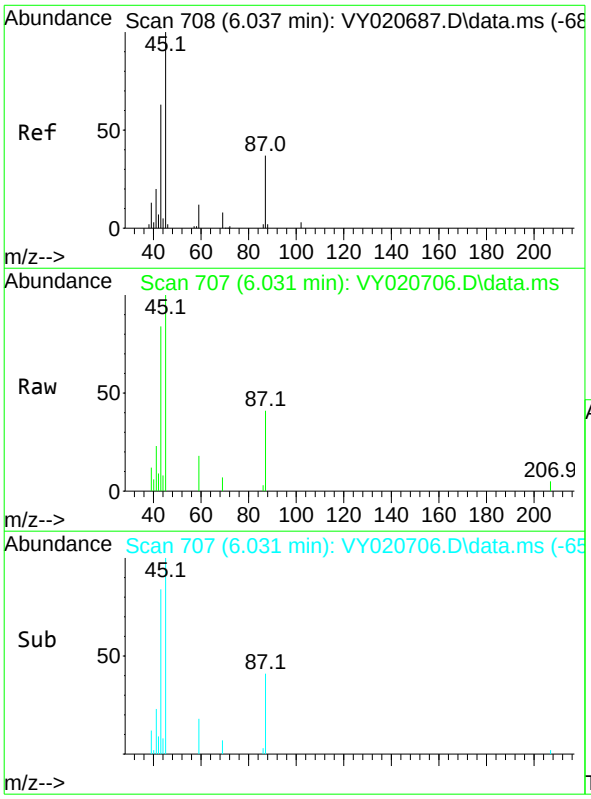
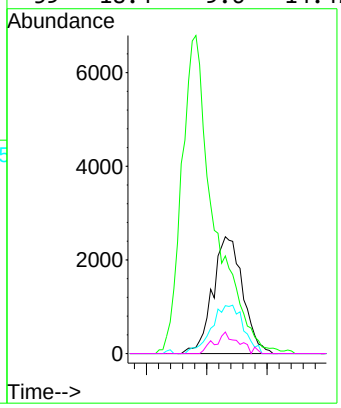
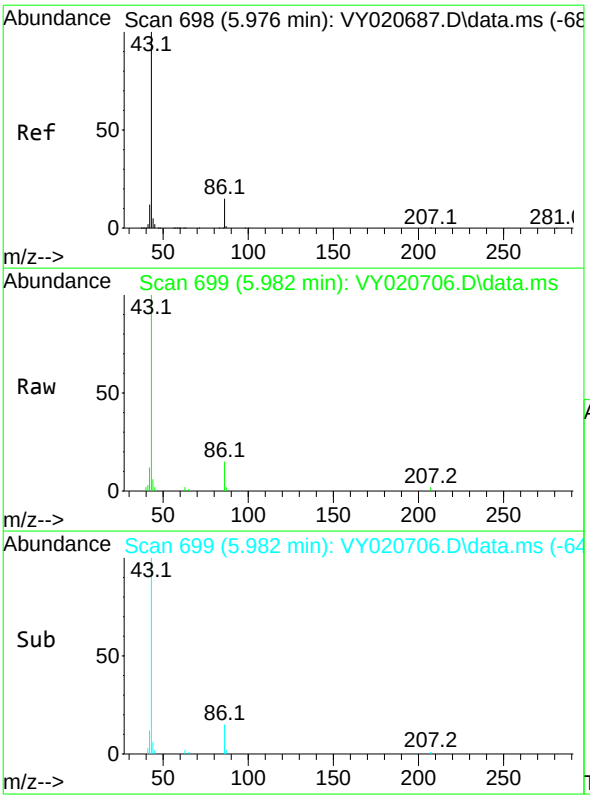


#22
Diisopropyl ether
Concen: 4.481 ug/l
RT: 6.031 min Scan# 707
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 45 Resp: 8608

Ion	Ratio	Lower	Upper
45	100		
43	79.8	51.3	76.9#
87	41.0	30.6	46.0
59	18.4	9.6	14.4#

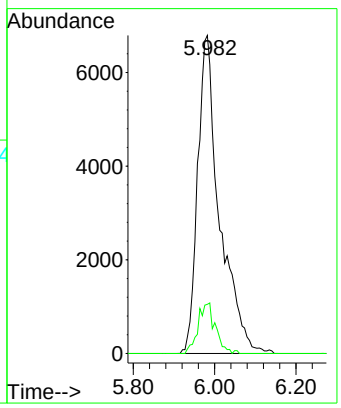




#23
Vinyl Acetate
Concen: 22.132 ug/l
RT: 5.982 min Scan# 69
Delta R.T. 0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 43 Resp: 25395

Ion	Ratio	Lower	Upper
43	100		
86	15.5	12.0	18.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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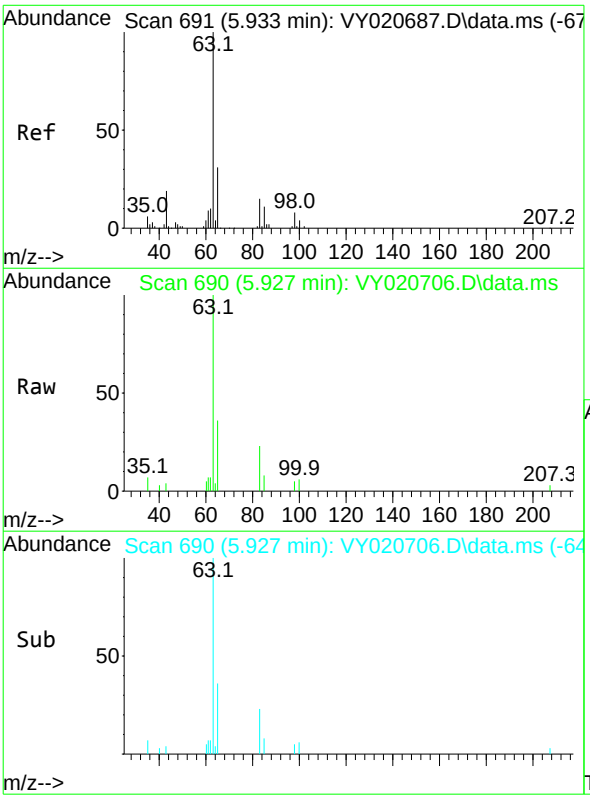
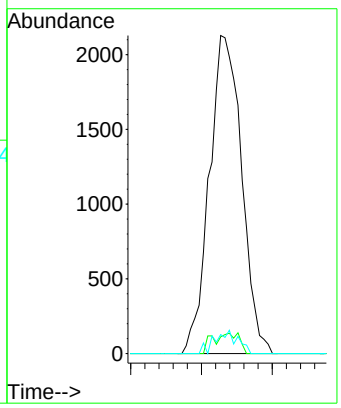
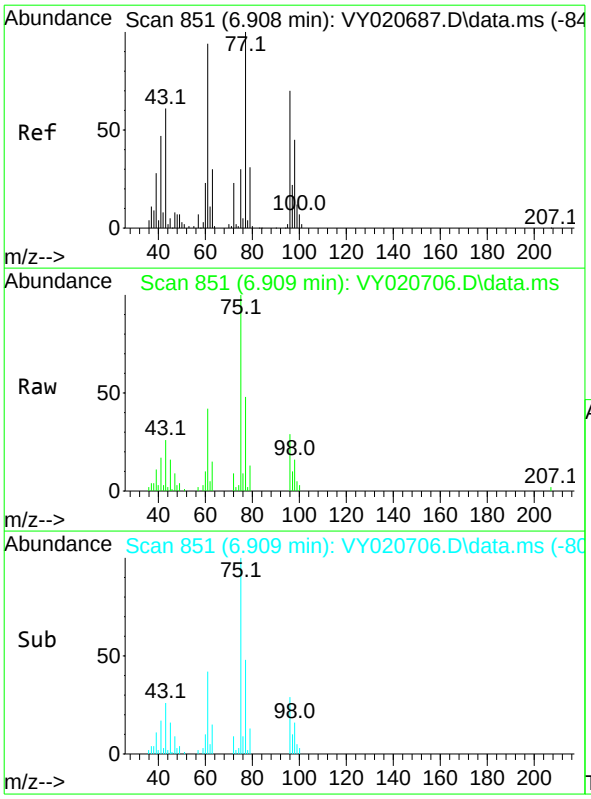


#24
1,1-Dichloroethane
Concen: 4.683 ug/l
RT: 5.927 min Scan# 690
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 63 Resp: 6745

Ion	Ratio	Lower	Upper
63	100		
98	5.3	4.0	12.0
100	6.0	2.1	6.2

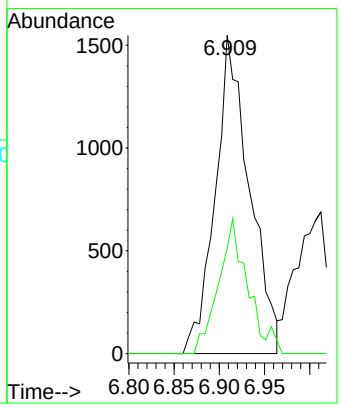




#25
2-Butanone
Concen: 24.607 ug/l
RT: 6.909 min Scan# 85
Delta R.T. 0.001 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 43 Resp: 4081

Ion	Ratio	Lower	Upper
43	100		
72	33.1	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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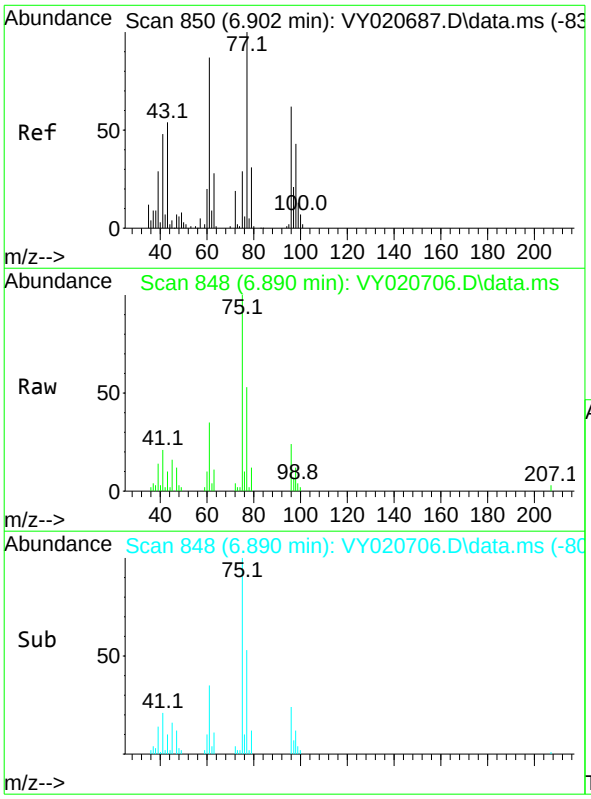
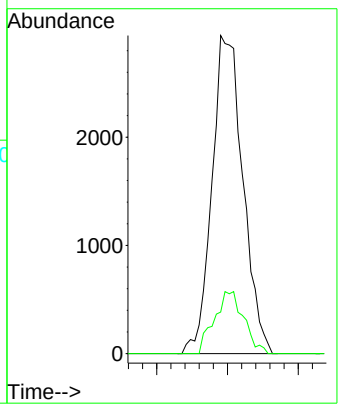
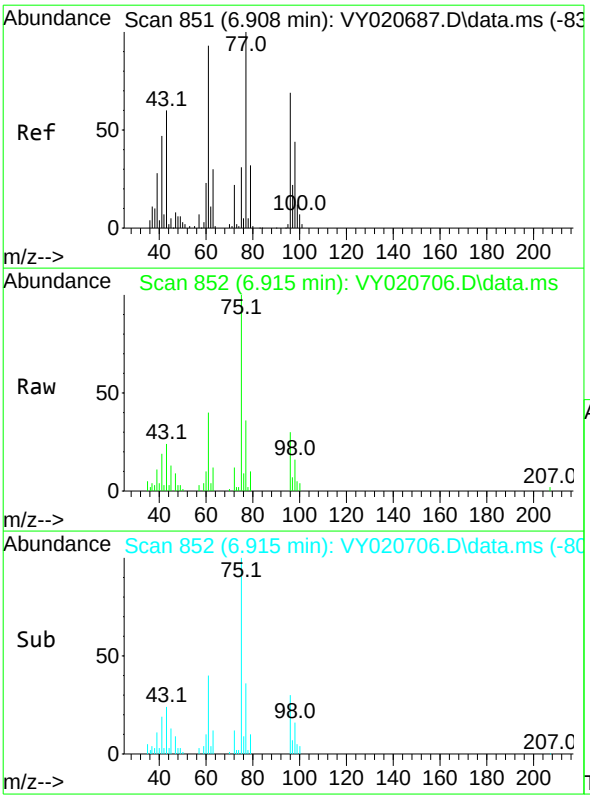


#26
2,2-Dichloropropane
Concen: 5.057 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 77 Resp: 8915

Ion	Ratio	Lower	Upper
77	100		
97	18.6	10.8	32.4





#27
cis-1,2-Dichloroethene
Concen: 4.753 ug/l
RT: 6.915 min Scan# 85
Delta R.T. 0.007 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 96 Resp: 4953

Ion	Ratio	Lower	Upper
96	100		
61	144.5	0.0	277.2
98	61.9	0.0	131.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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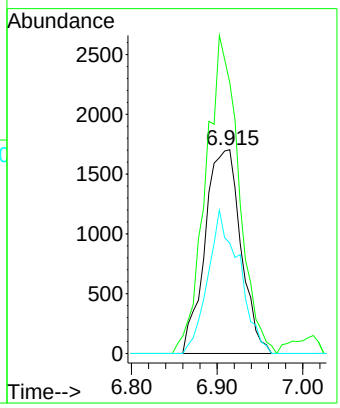
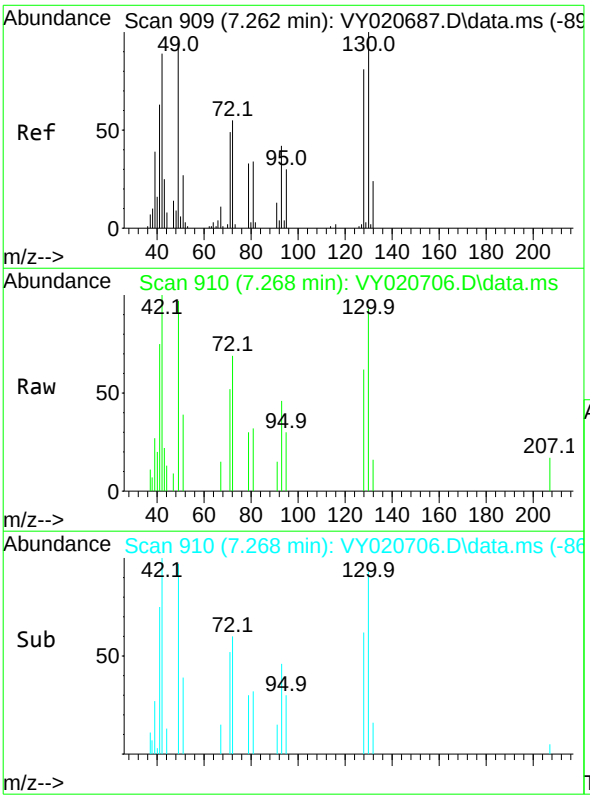
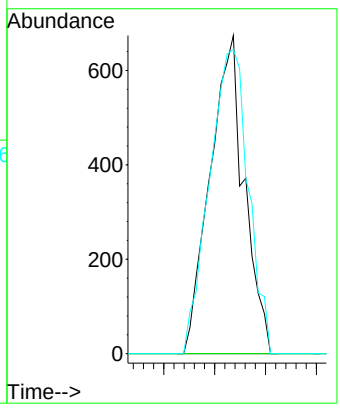


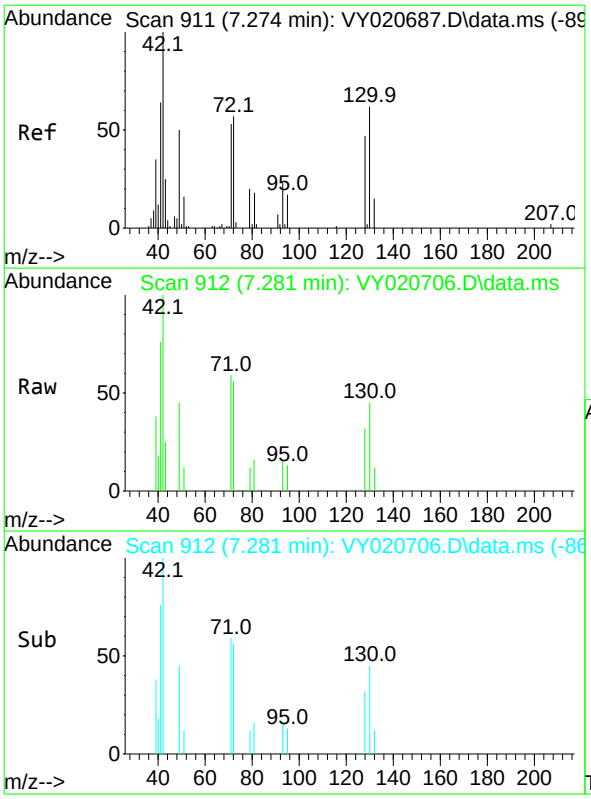


#28
Bromochloromethane
Concen: 4.127 ug/l
RT: 7.268 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 49 Resp: 1572

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.4
130	109.0	87.2	130.8

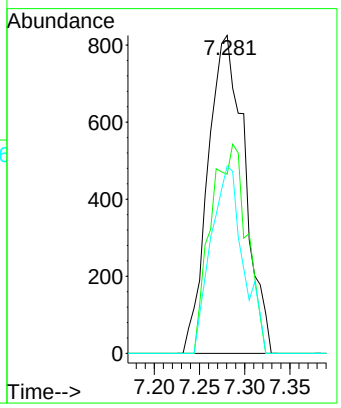




#29
Tetrahydrofuran
Concen: 22.956 ug/l
RT: 7.281 min Scan# 91
Delta R.T. 0.007 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 42 Resp: 2337

Ion	Ratio	Lower	Upper
42	100		
72	64.4	47.4	71.0
71	51.5	42.8	64.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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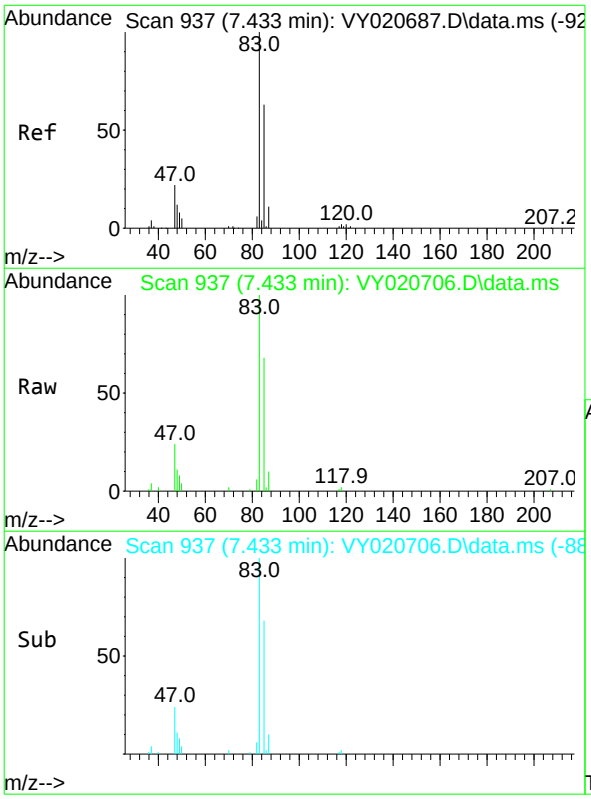
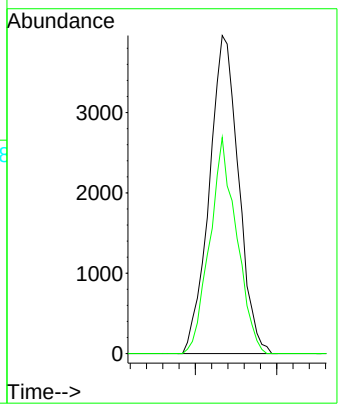
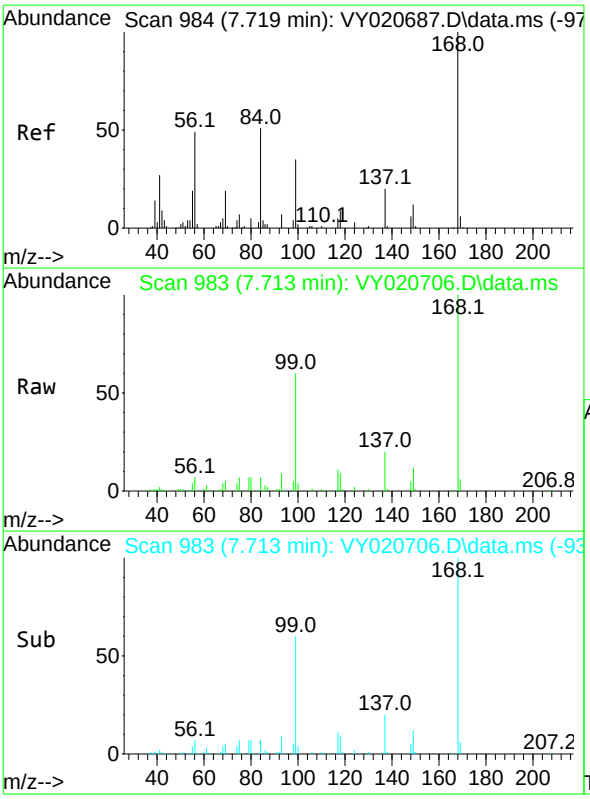


#30
Chloroform
Concen: 5.350 ug/l
RT: 7.433 min Scan# 937
Delta R.T. -0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 83 Resp: 9912

Ion	Ratio	Lower	Upper
83	100		
85	67.9	50.2	75.2

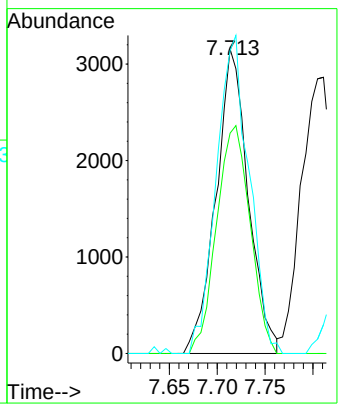




#31
Cyclohexane
Concen: 5.976 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 56 Resp: 7429

Ion	Ratio	Lower	Upper
56	100		
69	72.4	31.3	46.9#
84	99.5	83.9	125.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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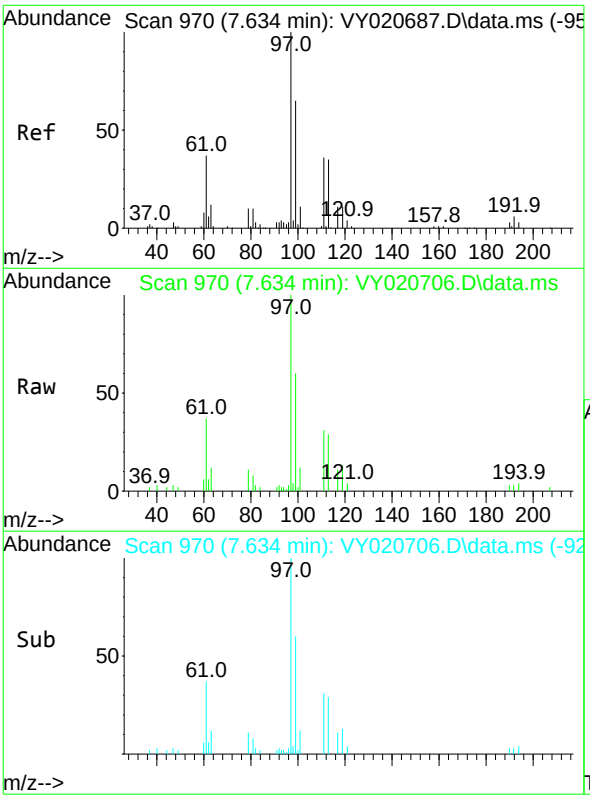
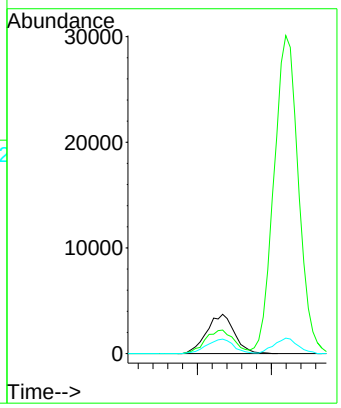
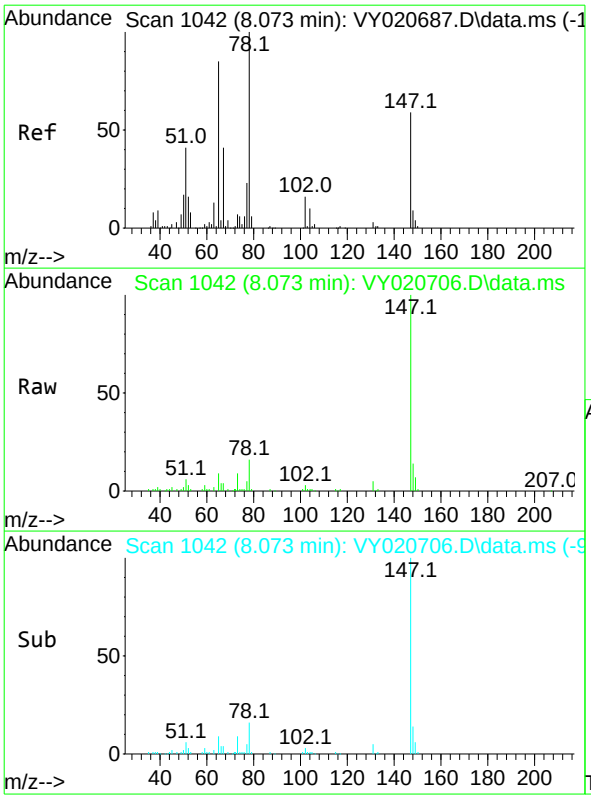


#32
1,1,1-Trichloroethane
Concen: 4.844 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 97 Resp: 9621

Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.0	76.6
61	36.3	30.0	45.0

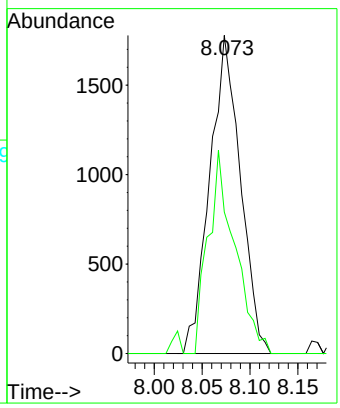




#33
1,2-Dichloroethane-d4
Concen: 4.087 ug/l
RT: 8.073 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 65 Resp: 3955

Ion	Ratio	Lower	Upper
65	100		
67	55.7	0.0	98.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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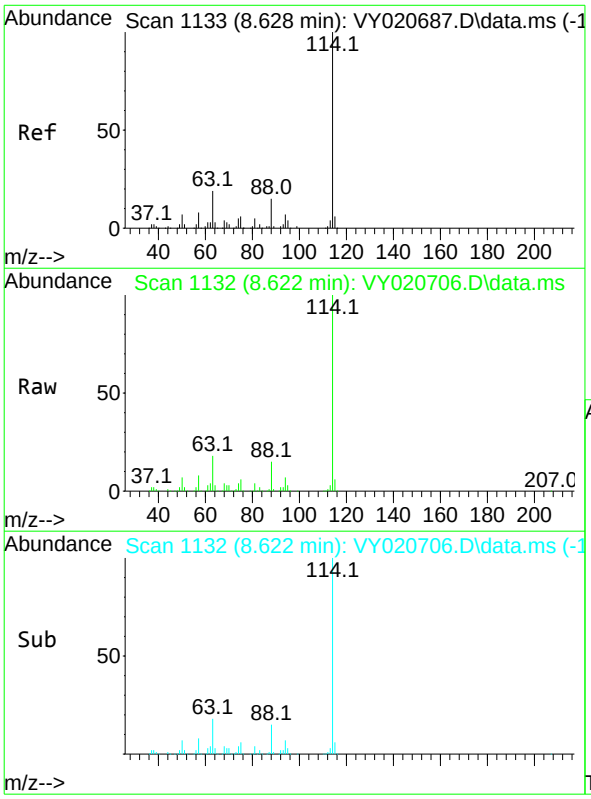
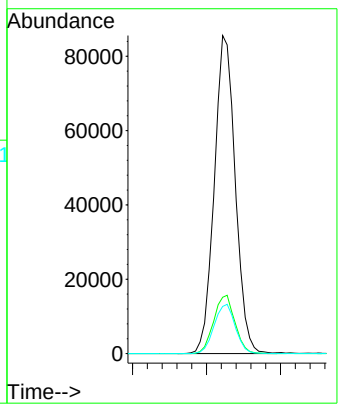
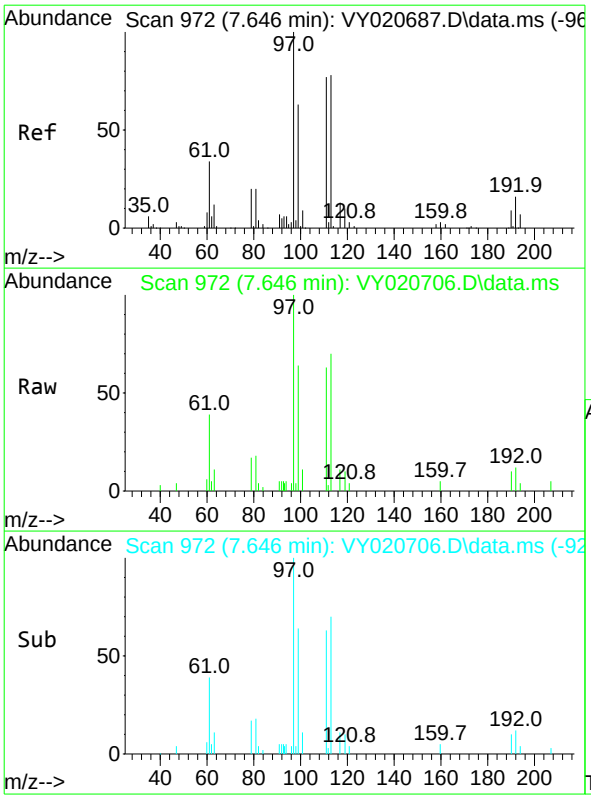


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:114 Resp: 168634

Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	38.4
88	14.8	0.0	30.4

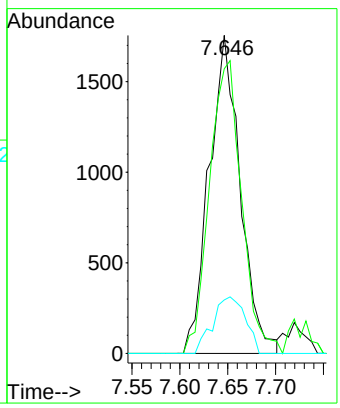




#35
Dibromofluoromethane
Concen: 4.270 ug/l
RT: 7.646 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:113 Resp: 3966

Ion	Ratio	Lower	Upper
113	100		
111	95.0	79.8	119.8
192	18.7	17.0	25.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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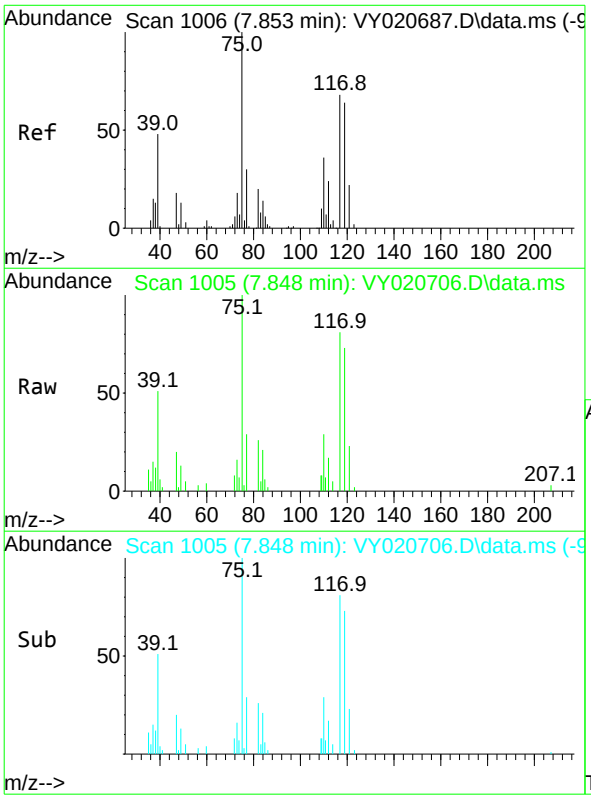
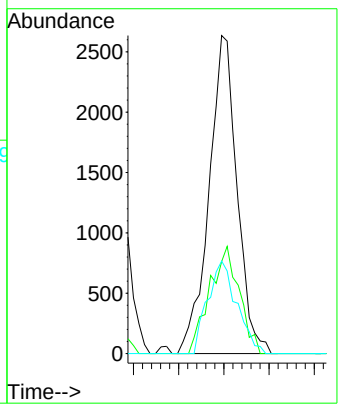
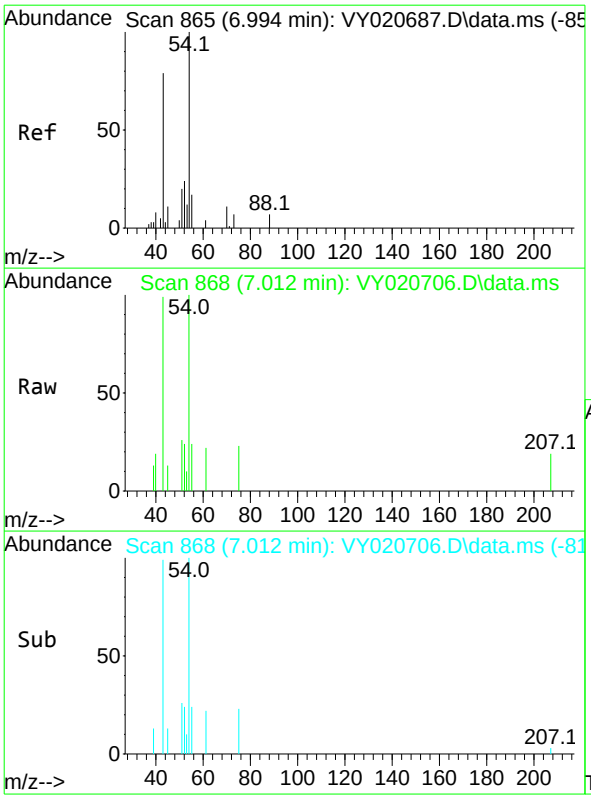


#36
1,1-Dichloropropene
Concen: 4.633 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. -0.005 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 75 Resp: 5685

Ion	Ratio	Lower	Upper
75	100		
110	35.6	19.6	58.7
77	30.2	25.1	37.7





#37
Ethyl Acetate
Concen: 4.825 ug/l
RT: 7.012 min Scan# 86
Delta R.T. 0.018 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 43 Resp: 1951

Ion	Ratio	Lower	Upper
43	100		
61	15.8	11.7	17.5
70	3.3	11.0	16.4#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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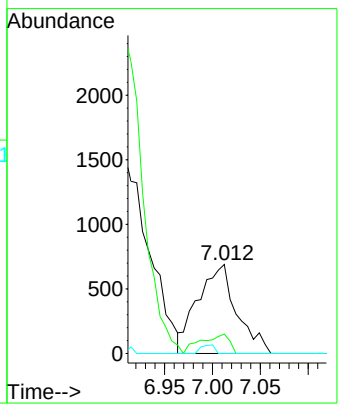
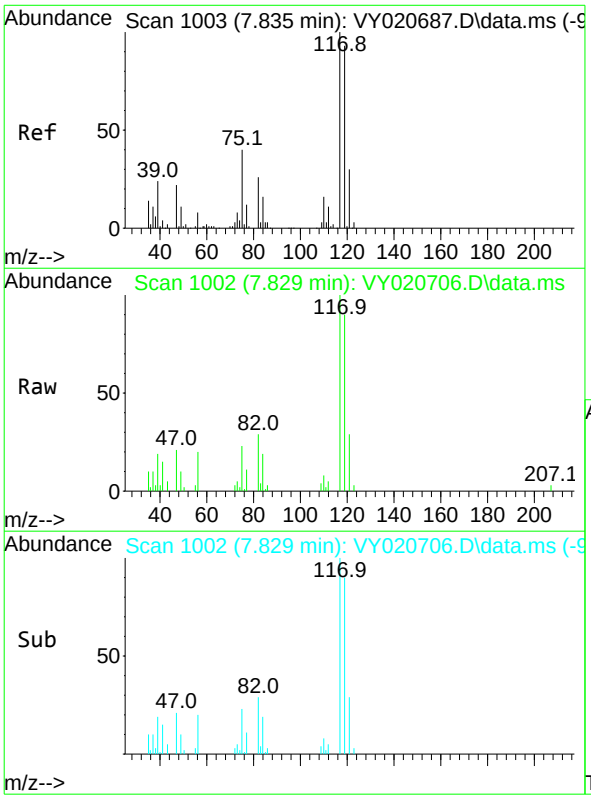
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

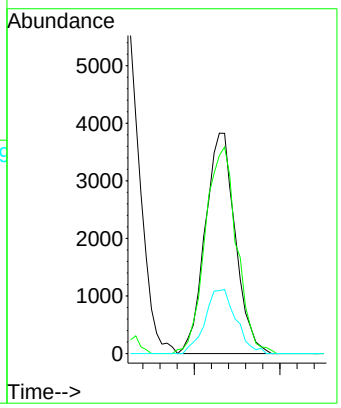


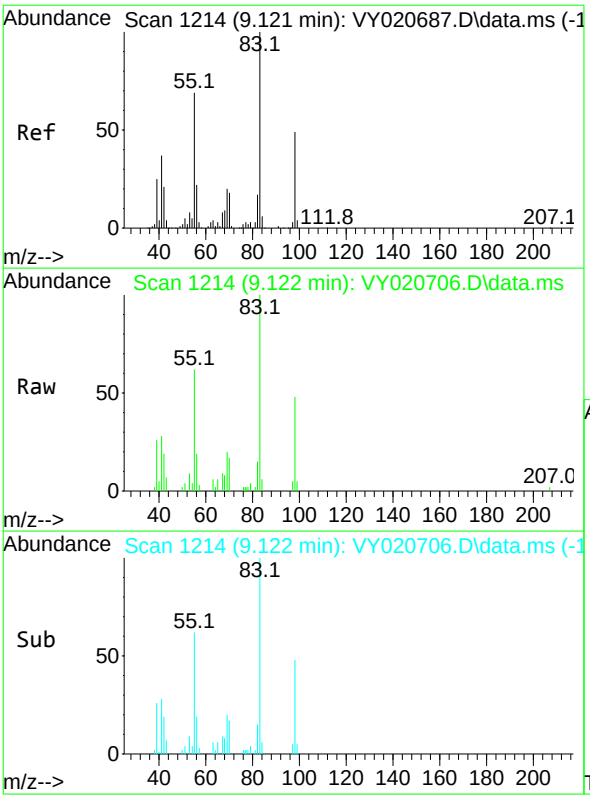


#38
Carbon Tetrachloride
Concen: 4.638 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:117 Resp: 9371

Ion	Ratio	Lower	Upper
117	100		
119	89.9	74.4	111.6
121	28.6	24.2	36.2





#39
Methylcyclohexane
Concen: 4.576 ug/l
RT: 9.122 min Scan# 12
Delta R.T. 0.001 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 83 Resp: 7196

Ion	Ratio	Lower	Upper
83	100		
55	62.3	55.0	82.4
98	48.0	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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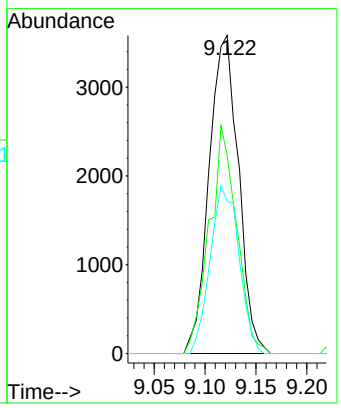
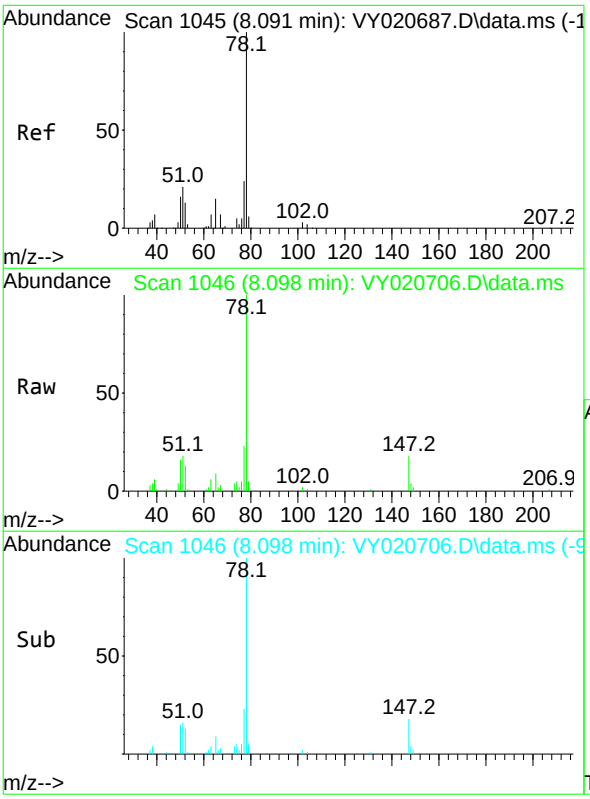
Supervised By :Semsettin Yesilyurt 12/27/2024

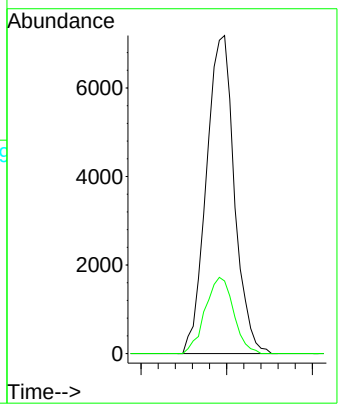


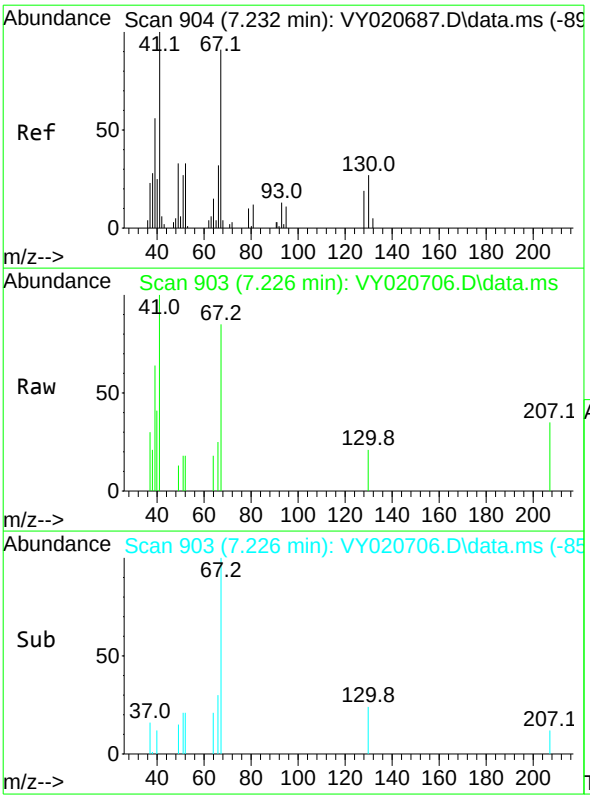


#40
Benzene
Concen: 4.595 ug/l
RT: 8.098 min Scan# 1046
Delta R.T. 0.007 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 78 Resp: 16340

Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.2	28.8

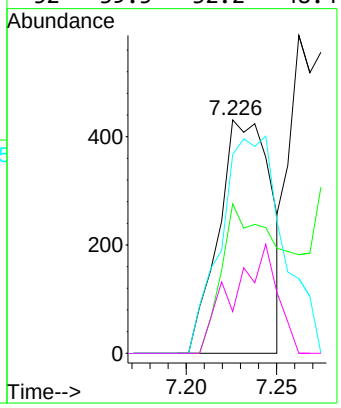




#41
Methacrylonitrile
Concen: 4.235 ug/l
RT: 7.226 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 41 Resp: 865

Ion	Ratio	Lower	Upper
41	100		
39	74.3	46.6	70.0#
67	110.8	74.7	112.1
52	39.5	32.2	48.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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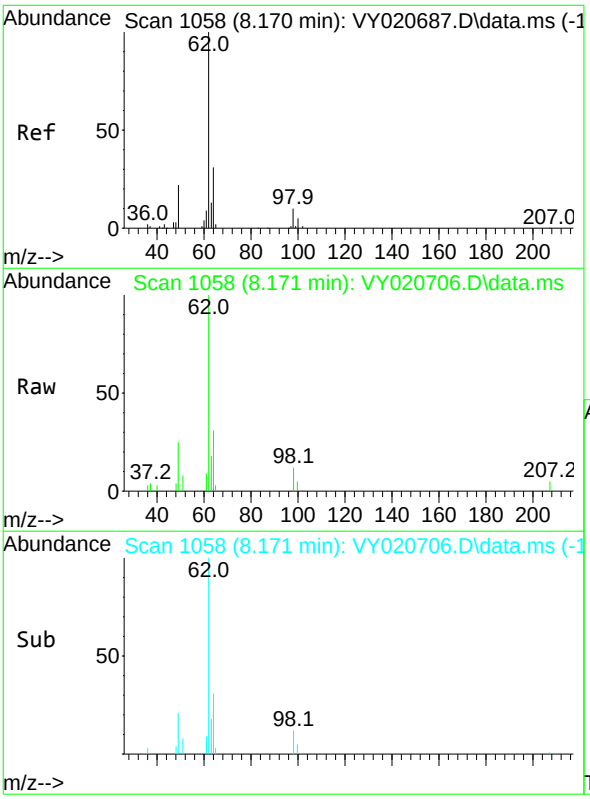
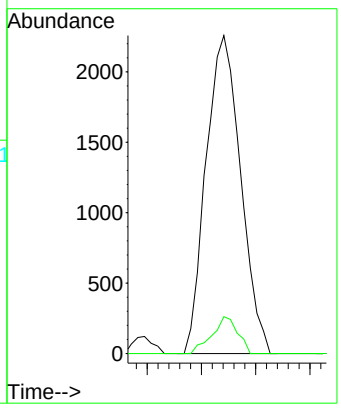
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

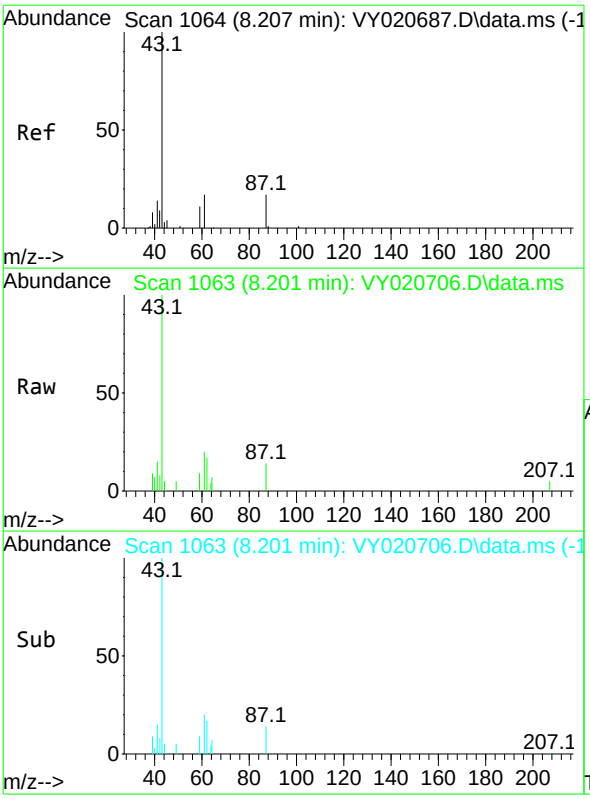


#42
1,2-Dichloroethane
Concen: 4.396 ug/l
RT: 8.171 min Scan# 1058
Delta R.T. 0.001 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 62 Resp: 5012

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.6





#43
Isopropyl Acetate
Concen: 4.500 ug/l
RT: 8.201 min Scan# 10
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 43 Resp: 3867

Ion	Ratio	Lower	Upper
43	100		
61	33.5	27.0	40.4
87	19.1	14.2	21.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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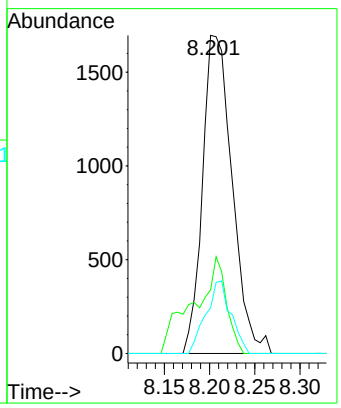
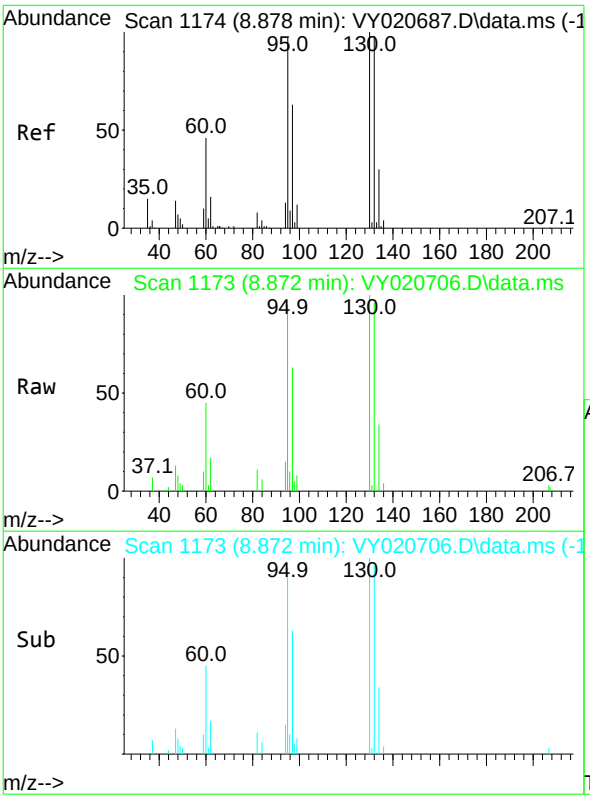
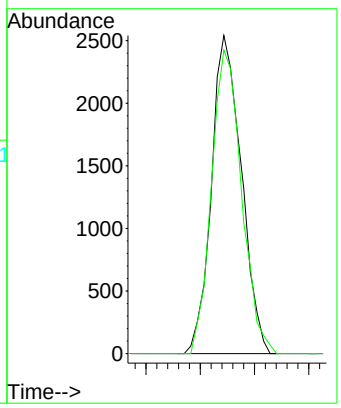


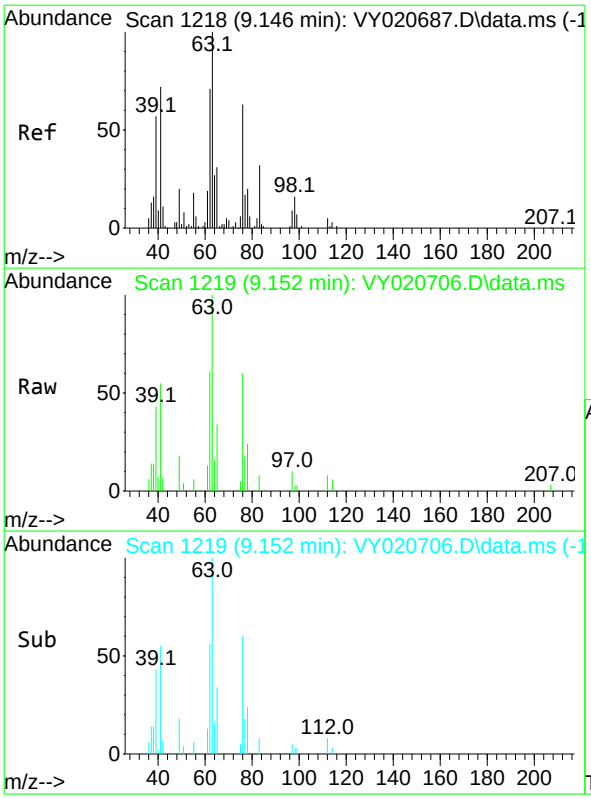


#44
Trichloroethene
Concen: 4.578 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:130 Resp: 4862

Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	194.8

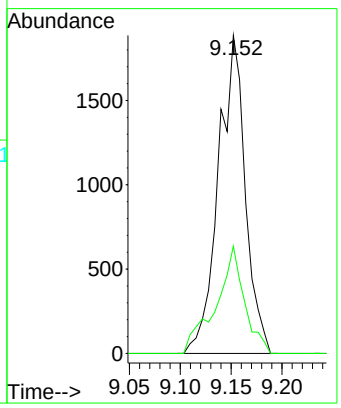




#45
1,2-Dichloropropane
Concen: 4.810 ug/l
RT: 9.152 min Scan# 12
Delta R.T. 0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 63 Resp: 3462

Ion	Ratio	Lower	Upper
63	100		
65	33.7	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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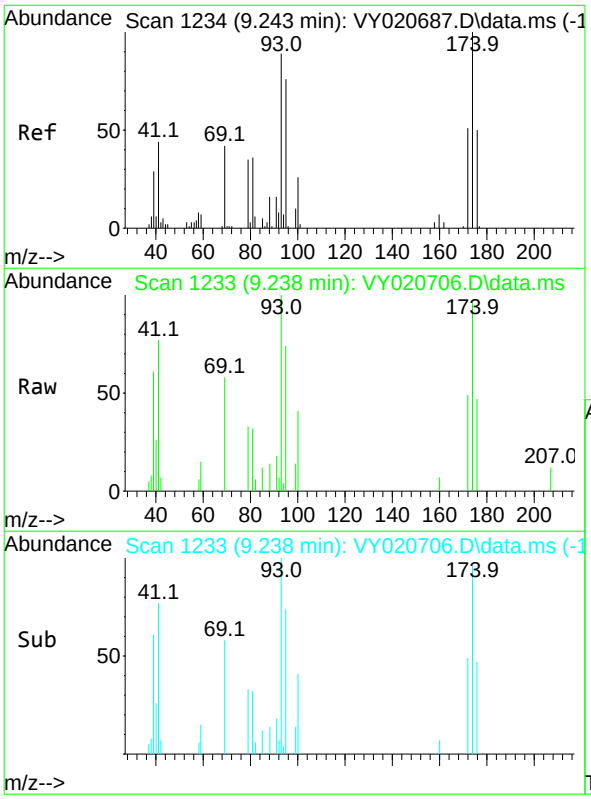
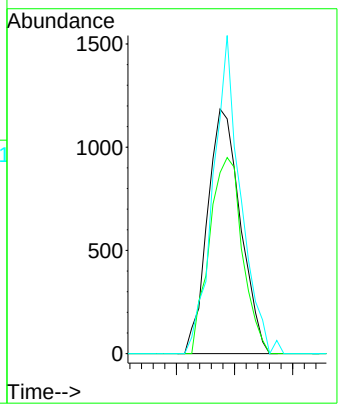
Supervised By :Semsettin Yesilyurt 12/27/2024

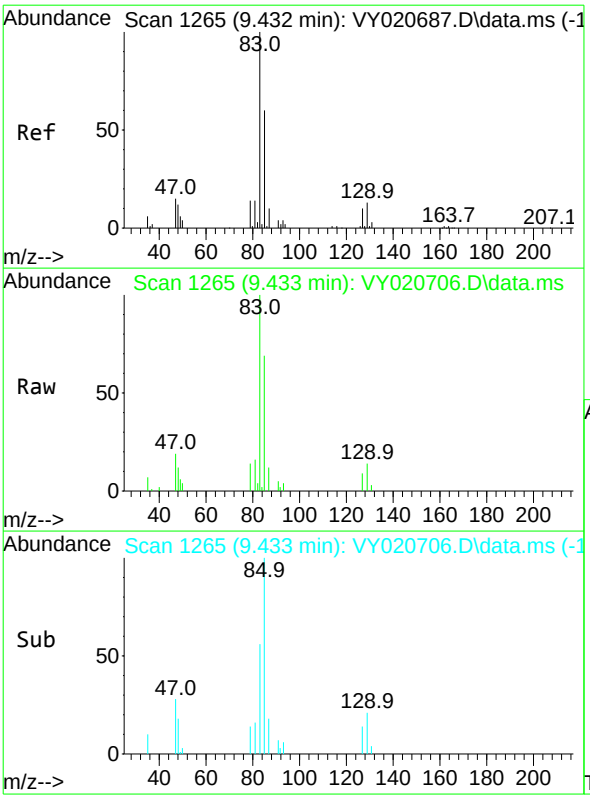


#46
Dibromomethane
Concen: 4.678 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. -0.005 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 93 Resp: 2330

Ion	Ratio	Lower	Upper
93	100		
95	80.4	67.8	101.8
174	108.5	89.4	134.0

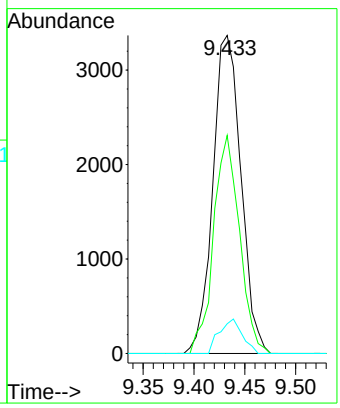




#47
Bromodichloromethane
Concen: 4.581 ug/l
RT: 9.433 min Scan# 12
Delta R.T. 0.001 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 83 Resp: 6469

Ion	Ratio	Lower	Upper
83	100		
85	68.5	47.6	71.4
127	9.3	7.9	11.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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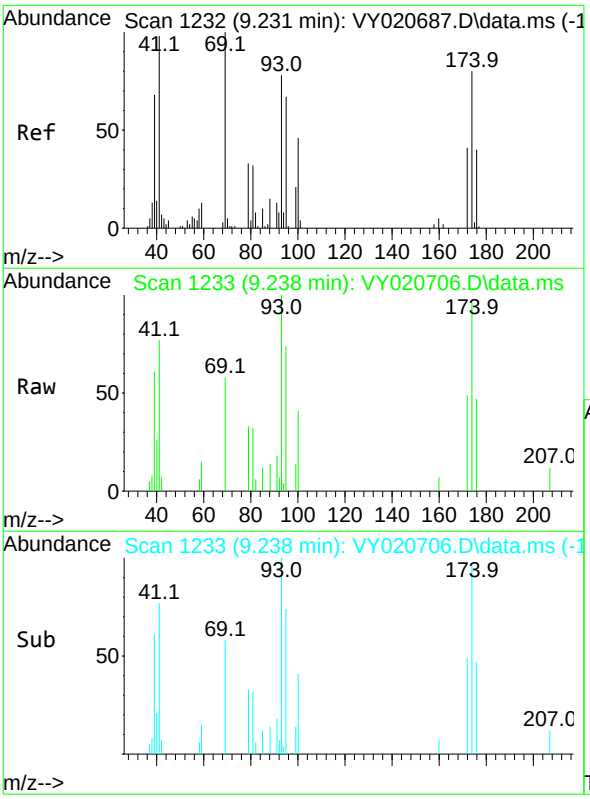
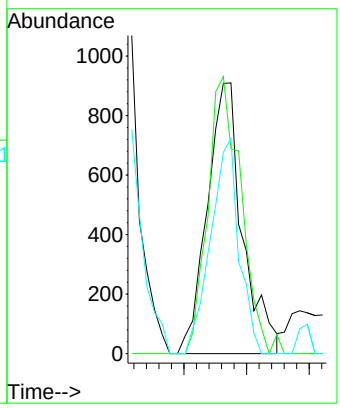
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

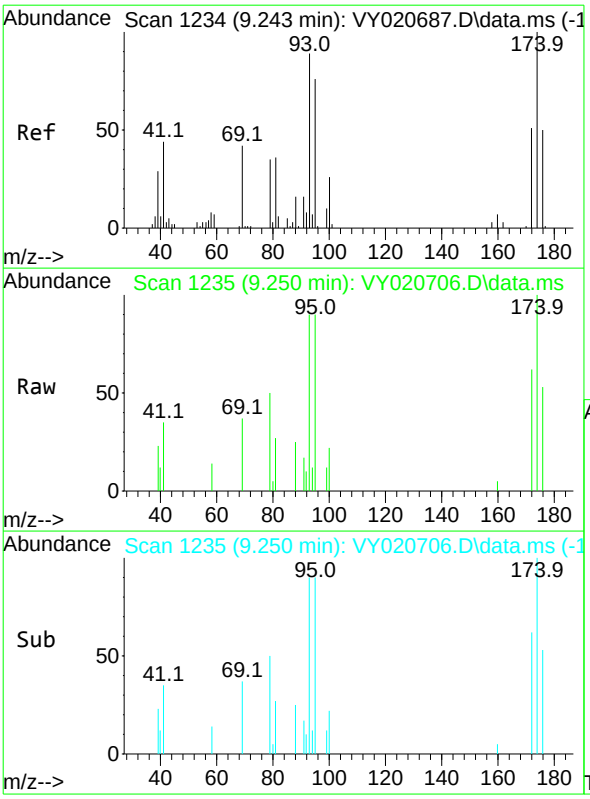


#48
Methyl methacrylate
Concen: 4.445 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. 0.007 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 41 Resp: 1784

Ion	Ratio	Lower	Upper
41	100		
69	96.5	83.1	124.7
39	63.7	57.3	85.9





#49
1,4-Dioxane
Concen: 72.090 ug/l
RT: 9.250 min Scan# 12
Delta R.T. 0.007 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 88 Resp: 342

Ion	Ratio	Lower	Upper
88	100		
43	0.0	22.1	33.1#
58	55.0	46.7	70.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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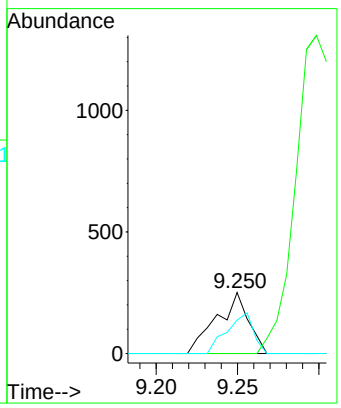
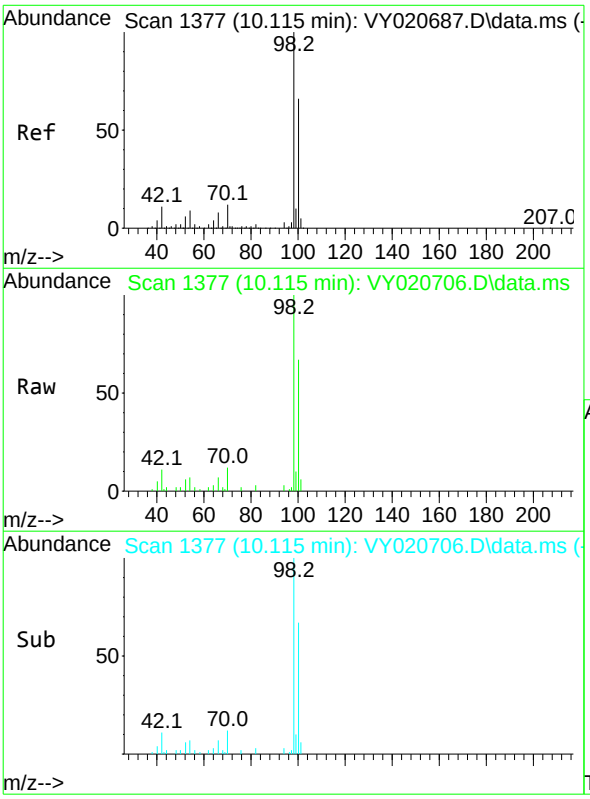
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

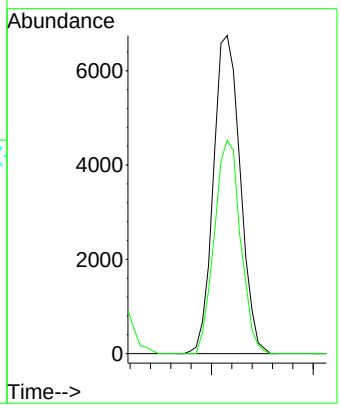


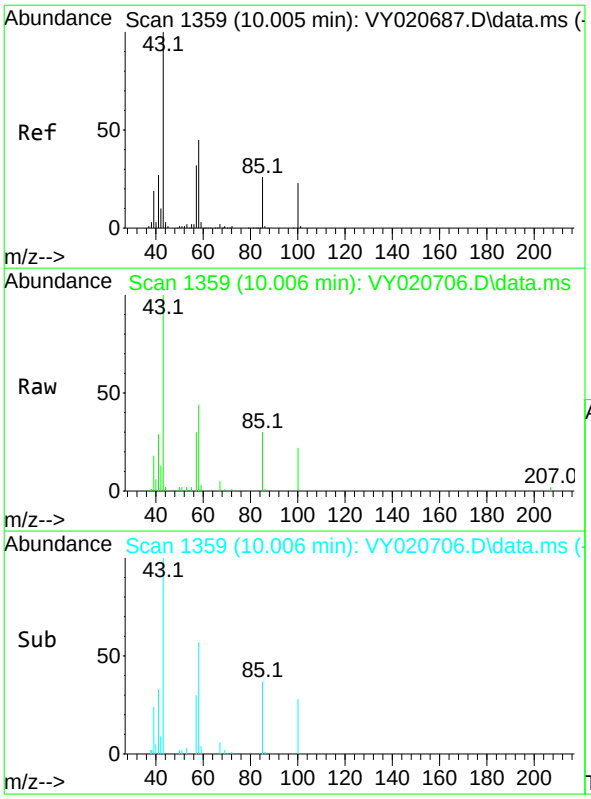


#50
Toluene-d8
Concen: 4.957 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 98 Resp: 12366

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.4

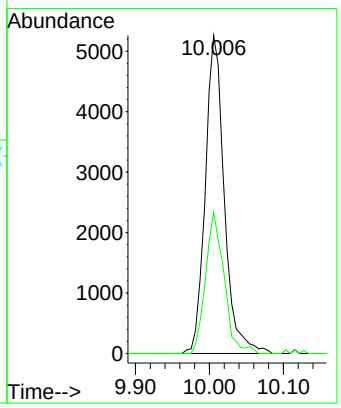




#51
4-Methyl-2-Pentanone
Concen: 22.620 ug/l
RT: 10.006 min Scan# 13
Delta R.T. 0.001 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 43 Resp: 9383

Ion	Ratio	Lower	Upper
43	100		
58	43.3	35.1	52.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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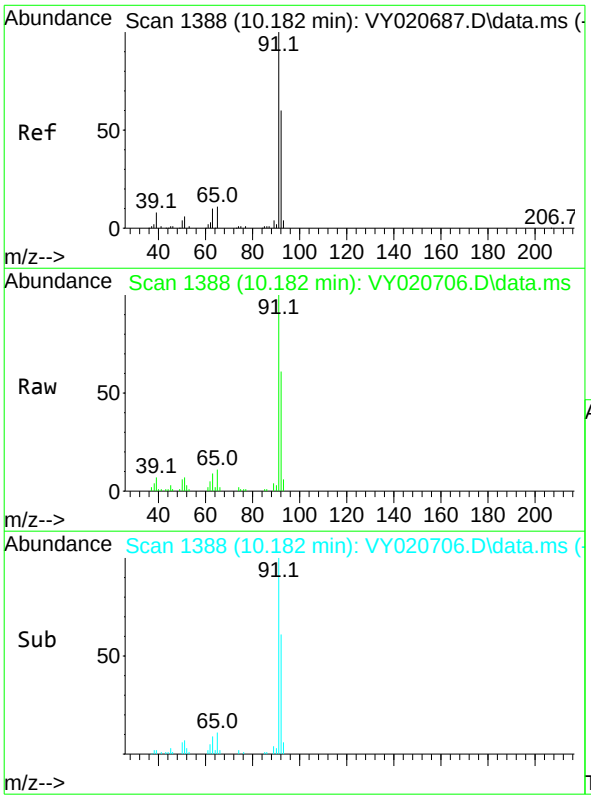
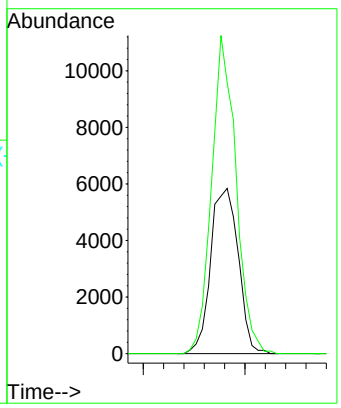
Supervised By :Semsettin Yesilyurt 12/27/2024

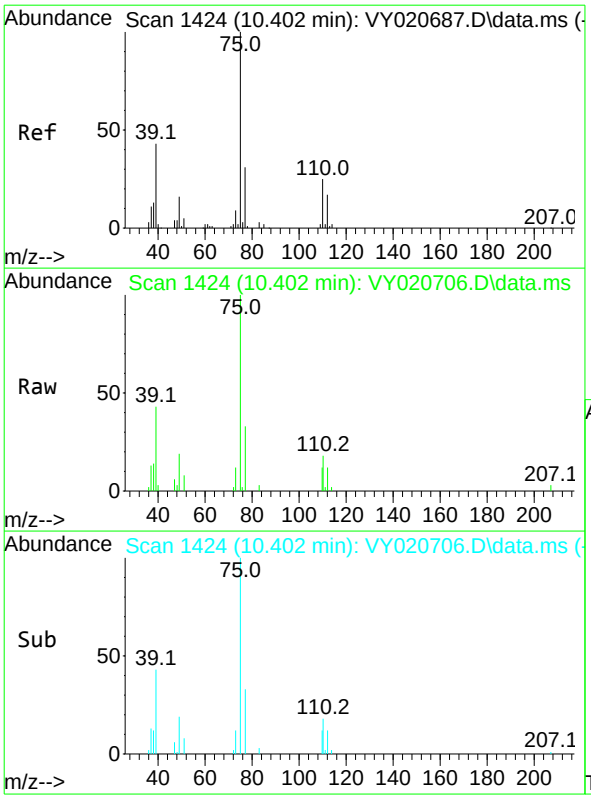


#52
Toluene
Concen: 4.526 ug/l
RT: 10.182 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 92 Resp: 11031

Ion	Ratio	Lower	Upper
92	100		
91	170.0	137.7	206.5

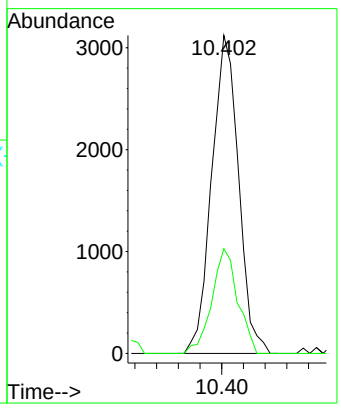




#53
t-1,3-Dichloropropene
Concen: 4.320 ug/l
RT: 10.402 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 75 Resp: 5357

Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.1	37.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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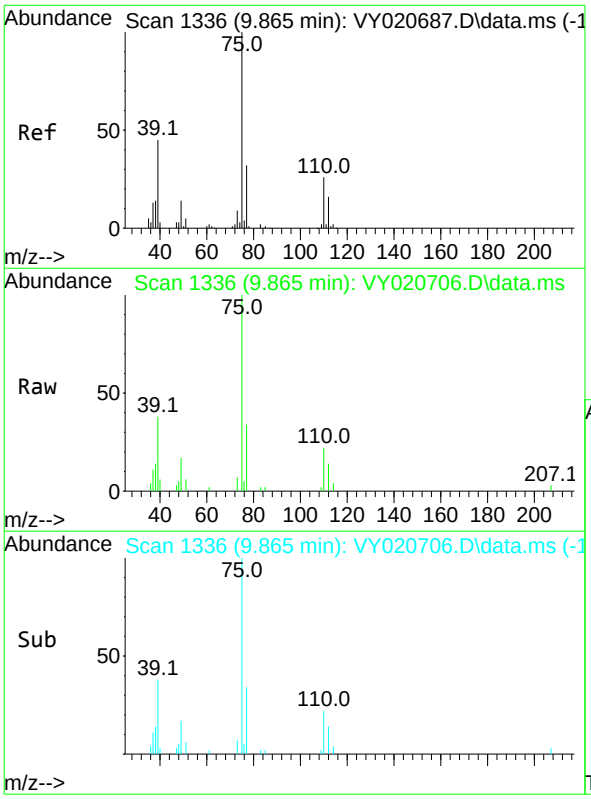
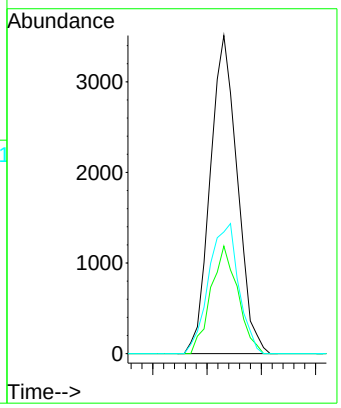
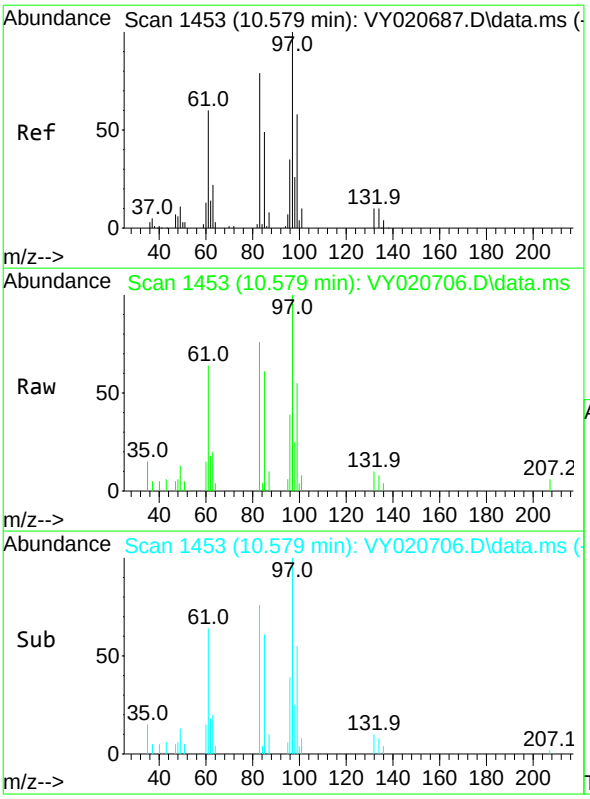


#54
cis-1,3-Dichloropropene
Concen: 4.481 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 75 Resp: 6091

Ion	Ratio	Lower	Upper
75	100		
77	33.8	25.6	38.4
39	38.3	36.2	54.2

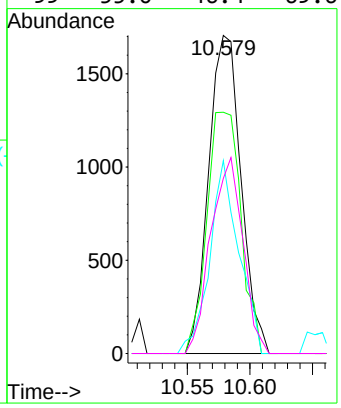




#55
1,1,2-Trichloroethane
Concen: 4.826 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 97 Resp: 3068

Ion	Ratio	Lower	Upper
97	100		
83	75.8	63.1	94.7
85	60.6	39.5	59.3#
99	55.0	46.4	69.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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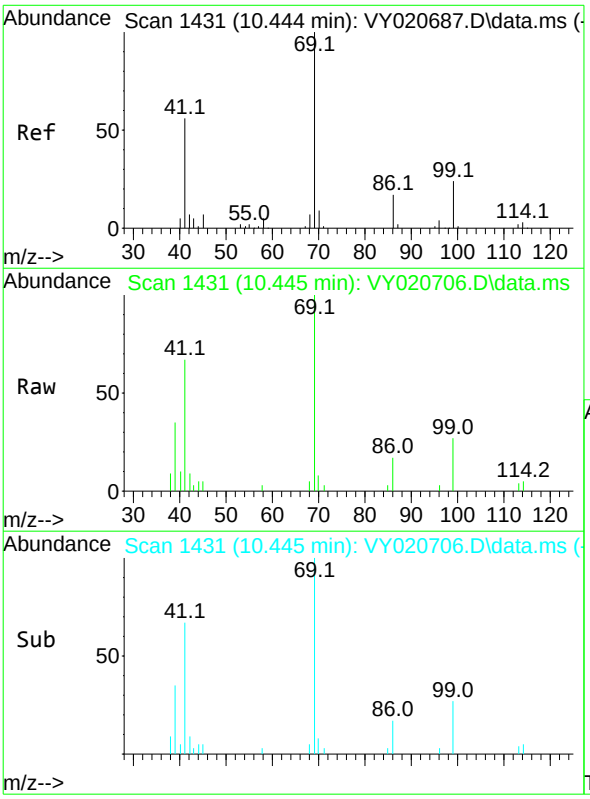
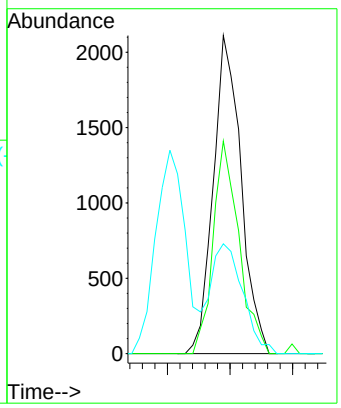
Supervised By :Semsettin Yesilyurt 12/27/2024

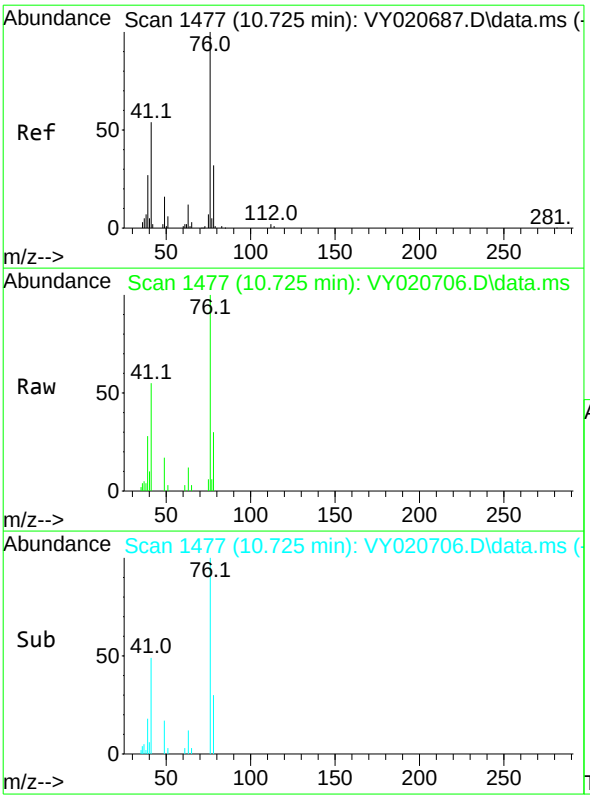


#56
Ethyl methacrylate
Concen: 3.891 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.001 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 69 Resp: 3250

Ion	Ratio	Lower	Upper
69	100		
41	62.1	43.8	65.6
39	39.8	32.0	48.0

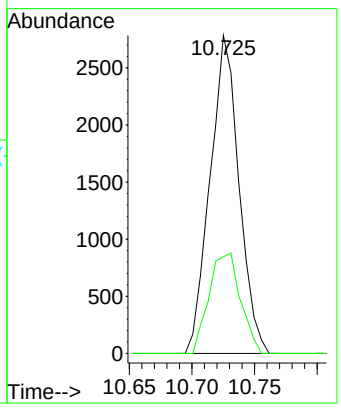




#57
1,3-Dichloropropane
Concen: 4.337 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 76 Resp: 4475

Ion	Ratio	Lower	Upper
76	100		
78	34.2	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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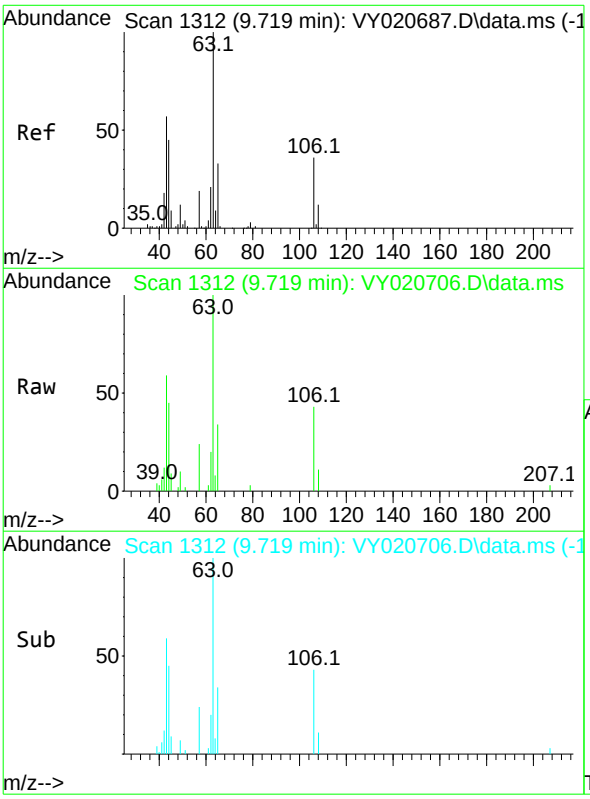
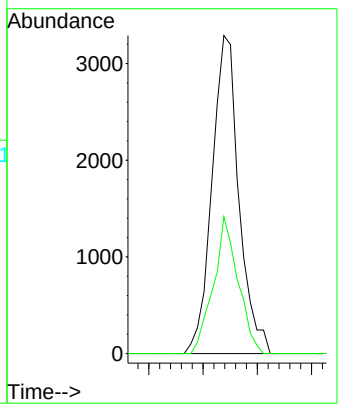
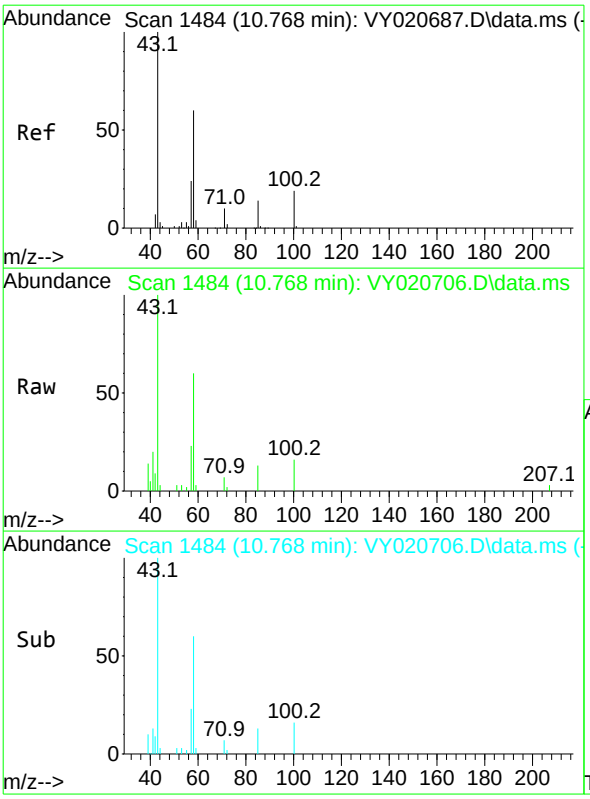


#58
2-Chloroethyl Vinyl ether
Concen: 19.451 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 63 Resp: 5665

Ion	Ratio	Lower	Upper
63	100		
106	39.4	29.1	43.7





#59
2-Hexanone
Concen: 20.301 ug/l
RT: 10.768 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 43 Resp: 5560

Ion	Ratio	Lower	Upper
43	100		
58	64.2	30.1	90.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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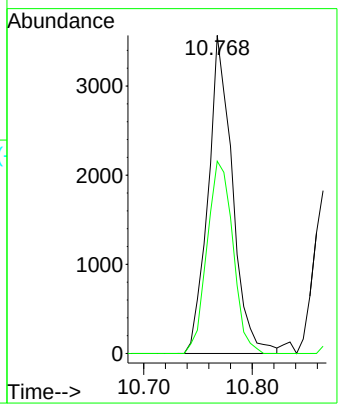
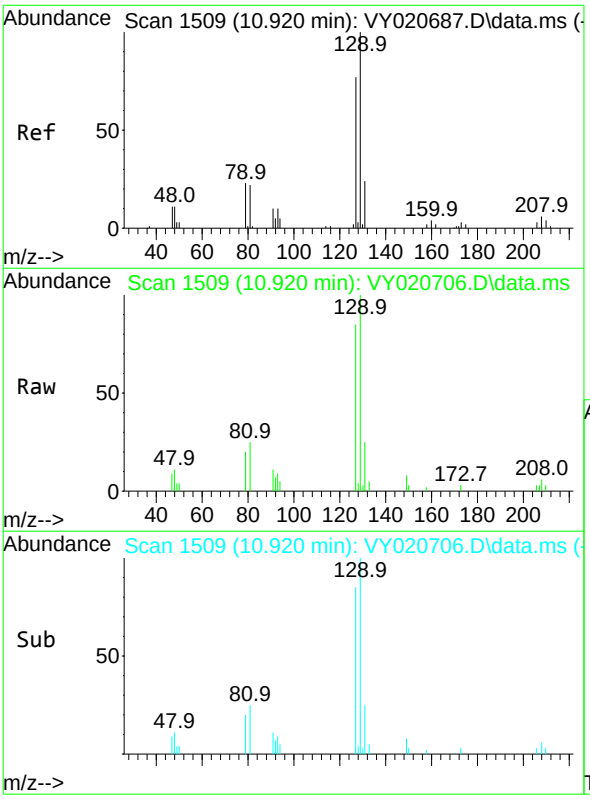
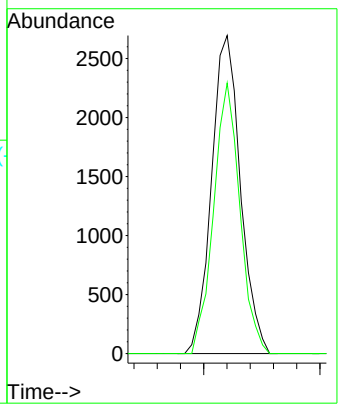


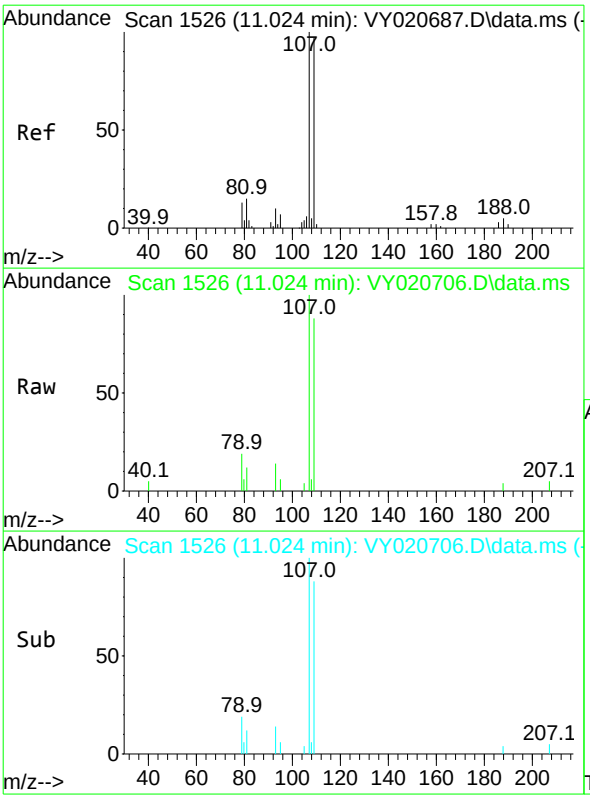


#60
Dibromochloromethane
Concen: 4.532 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:129 Resp: 4656

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.5	115.5





#61
1,2-Dibromoethane
Concen: 4.467 ug/l
RT: 11.024 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:107 Resp: 2672

Ion	Ratio	Lower	Upper
107	100		
109	87.6	75.5	113.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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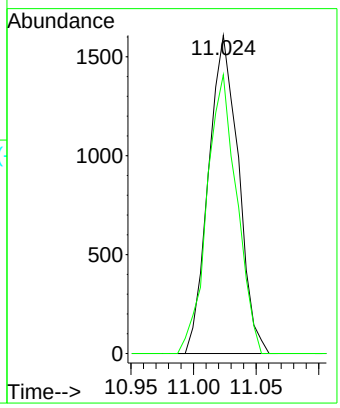
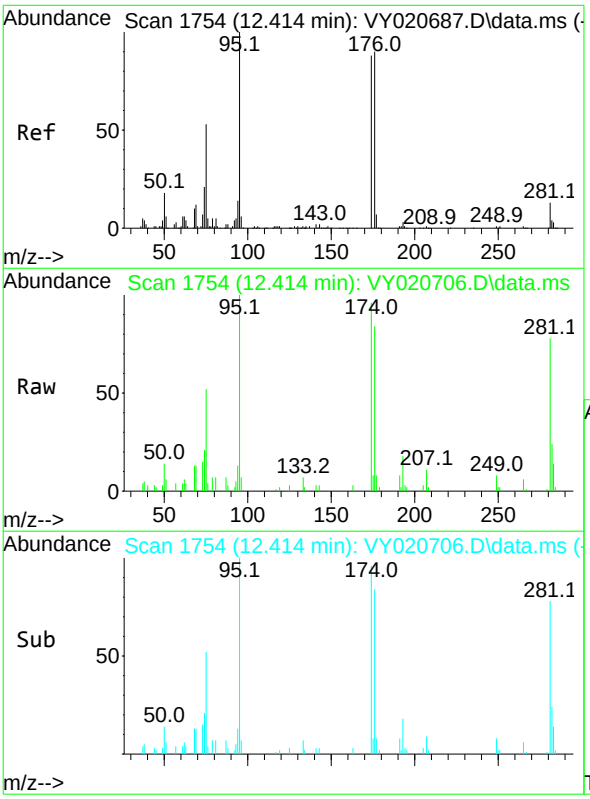
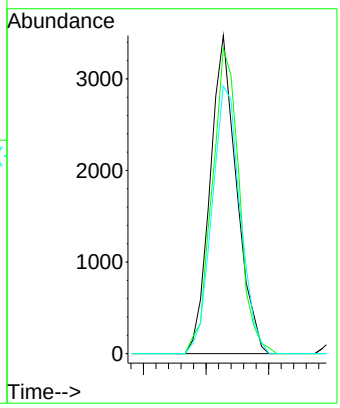


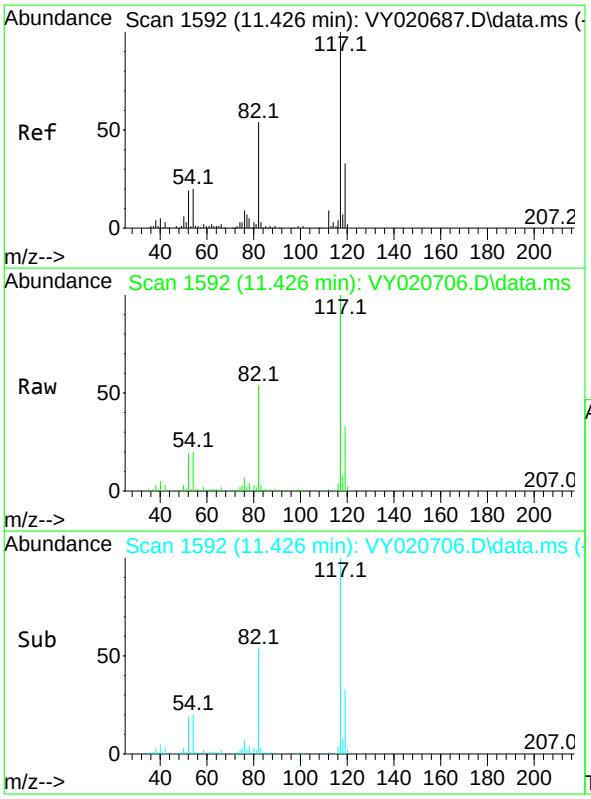


#62
4-Bromofluorobenzene
Concen: 4.139 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 95 Resp: 5109

Ion	Ratio	Lower	Upper
95	100		
174	97.6	0.0	179.2
176	89.2	0.0	179.8

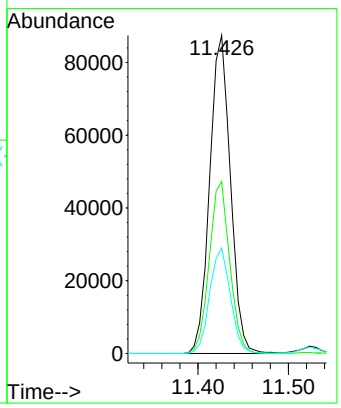




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:117 Resp: 139342

Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.4	65.2
119	33.1	26.6	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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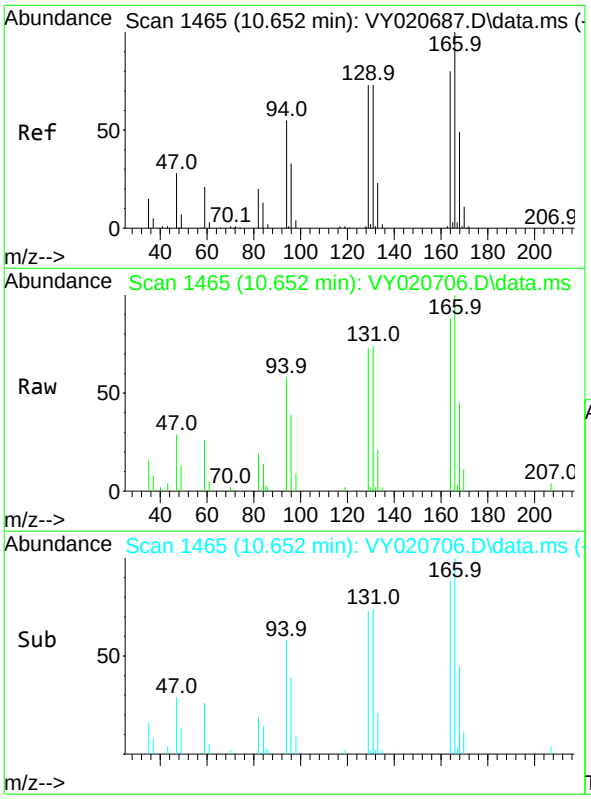
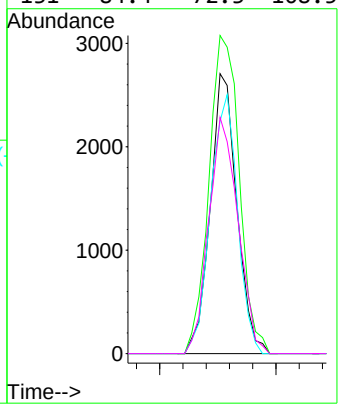
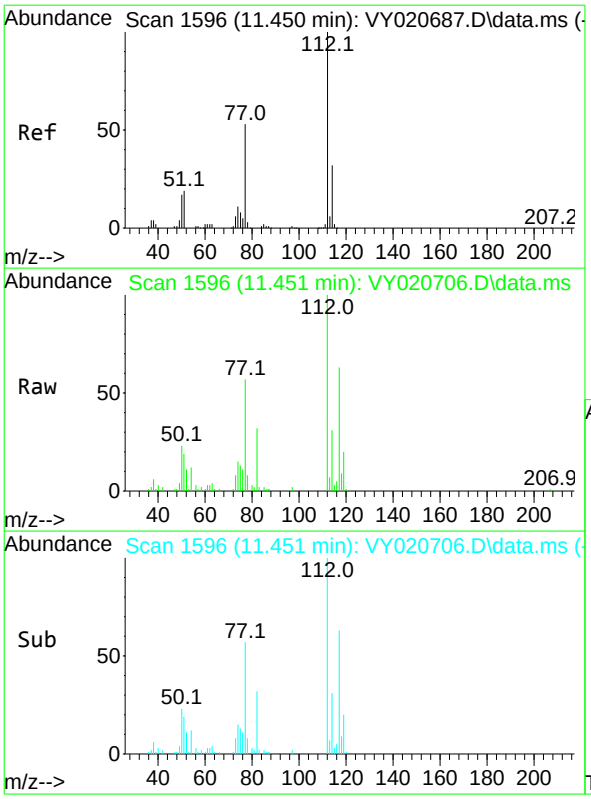


#64
Tetrachloroethene
Concen: 4.511 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:164 Resp: 4294

Ion	Ratio	Lower	Upper
164	100		
166	113.6	99.6	149.4
129	83.0	73.0	109.4
131	84.4	72.3	108.5

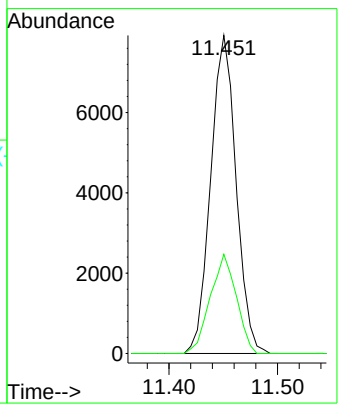




#65
Chlorobenzene
Concen: 4.724 ug/l
RT: 11.451 min Scan# 15
Delta R.T. 0.001 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:112 Resp: 12888

Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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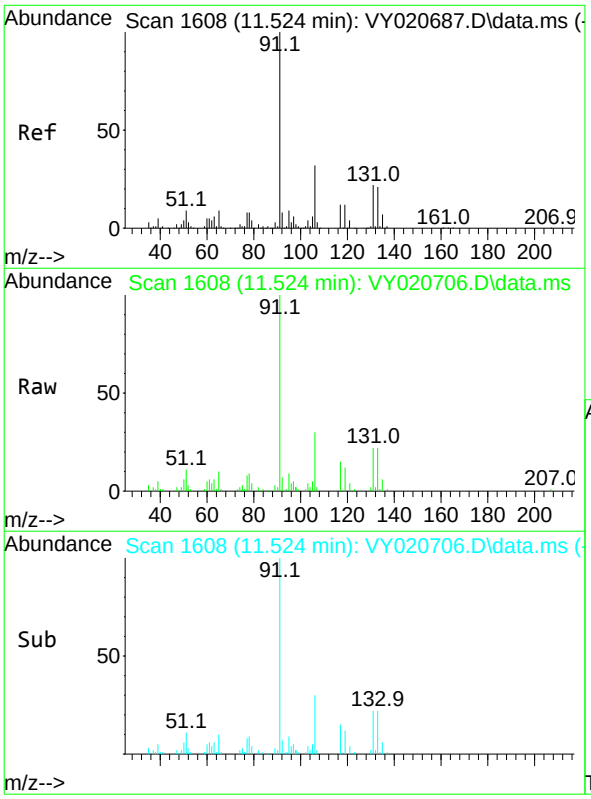
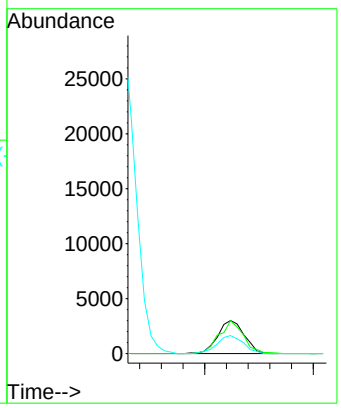
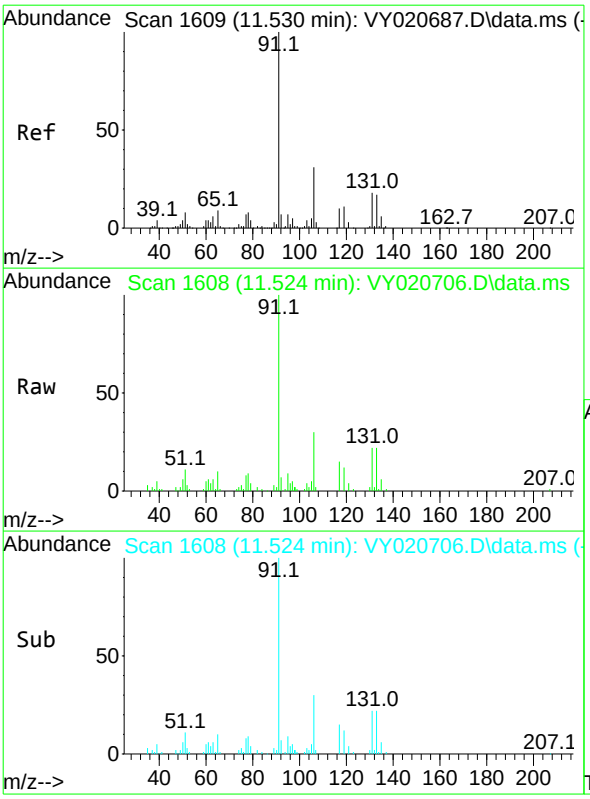


#66
1,1,1,2-Tetrachloroethane
Concen: 4.806 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:131 Resp: 5080

Ion	Ratio	Lower	Upper
131	100		
133	92.2	48.6	145.9
119	54.4	28.4	85.3

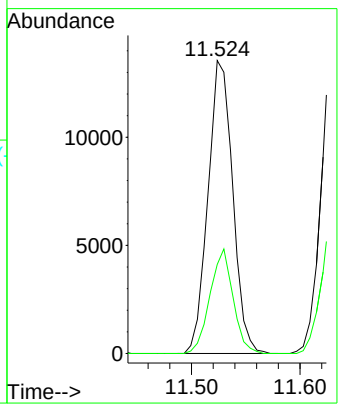




#67
Ethyl Benzene
Concen: 4.499 ug/l
RT: 11.524 min Scan# 16
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 91 Resp: 21456

Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.5	36.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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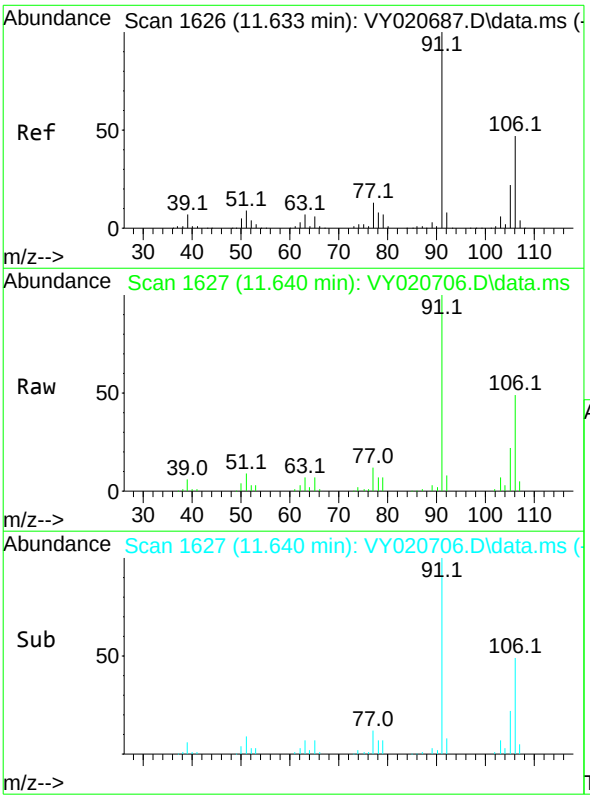
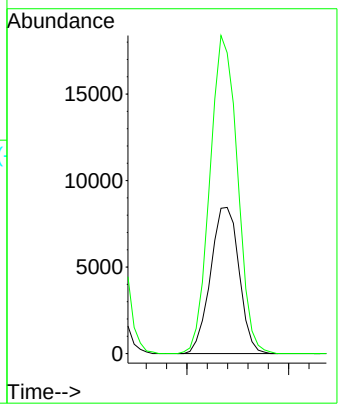
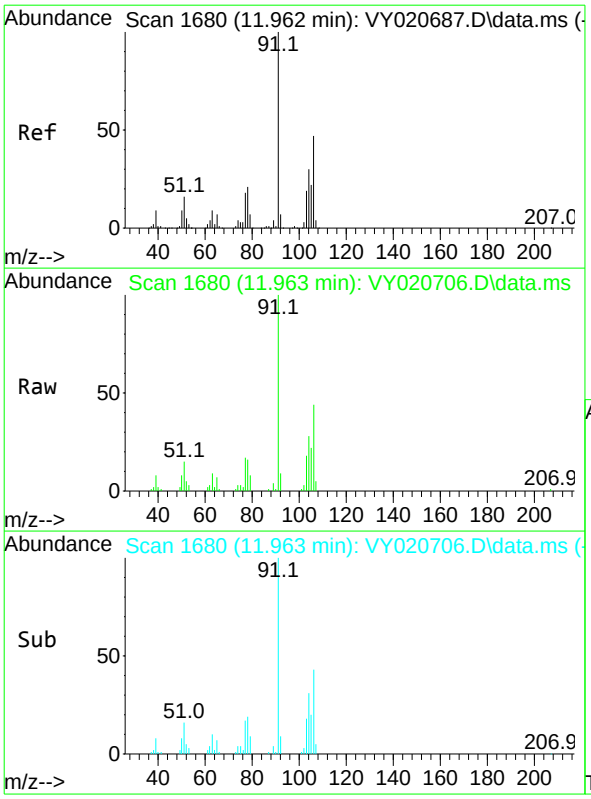


#68
m/p-Xylenes
Concen: 9.042 ug/l
RT: 11.640 min Scan# 1627
Delta R.T. 0.007 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:106 Resp: 16447

Ion	Ratio	Lower	Upper
106	100		
91	210.6	166.6	250.0

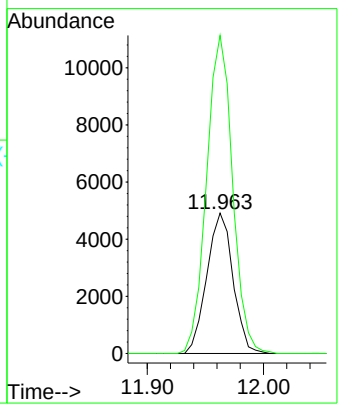




#69
o-Xylene
Concen: 4.425 ug/l
RT: 11.963 min Scan# 16
Delta R.T. 0.001 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:106 Resp: 7691

Ion	Ratio	Lower	Upper
106	100		
91	224.9	108.6	325.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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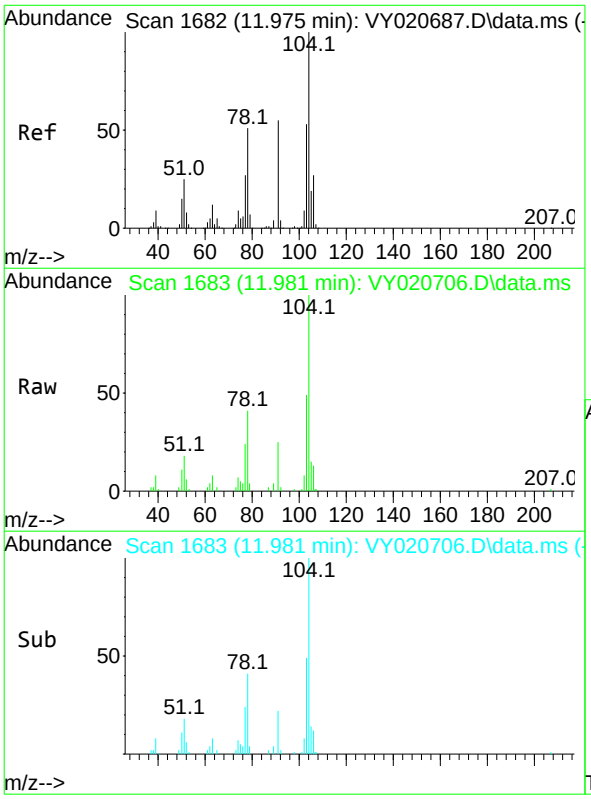
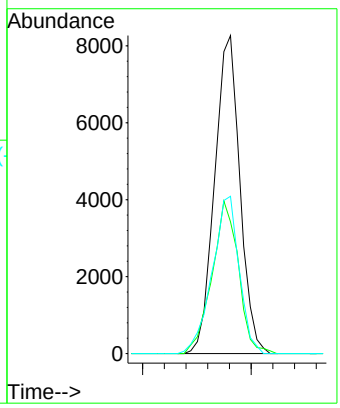
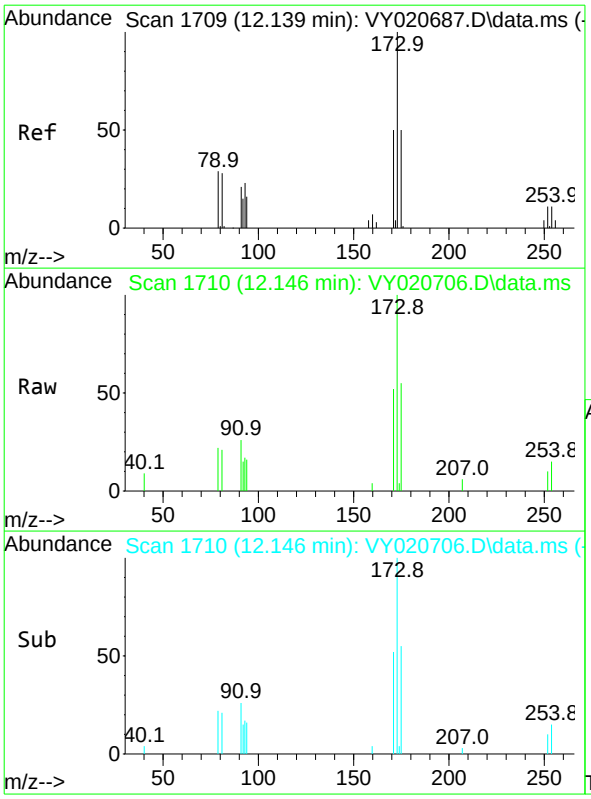


#70
Styrene
Concen: 4.577 ug/l
RT: 11.981 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:104 Resp: 13353

Ion	Ratio	Lower	Upper
104	100		
78	50.1	43.0	64.4
103	52.7	44.4	66.6

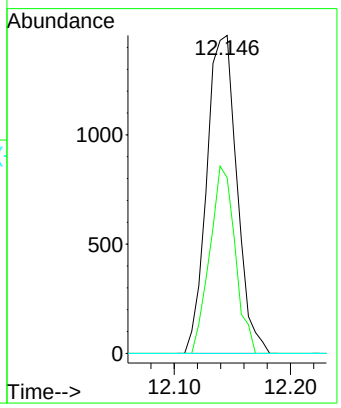




#71
Bromoform
Concen: 4.308 ug/l
RT: 12.146 min Scan# 17
Delta R.T. 0.007 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:173 Resp: 2618

Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.2	72.6
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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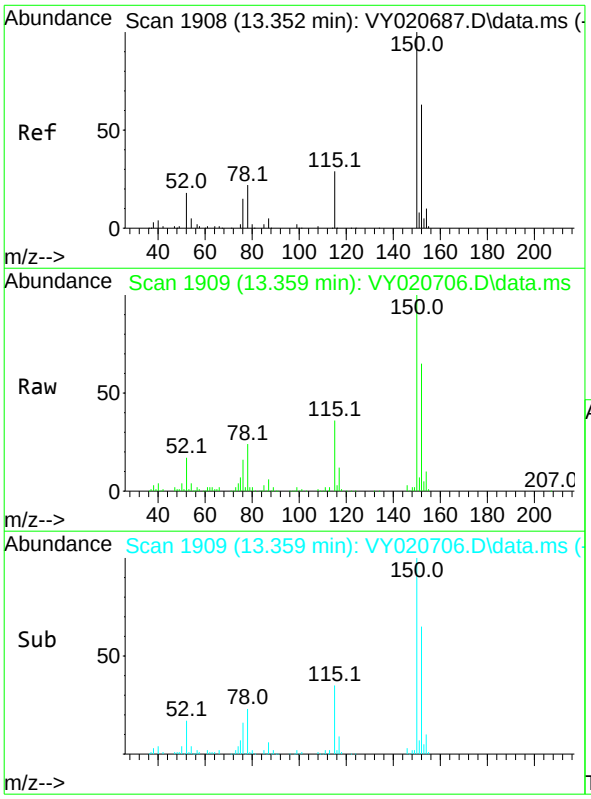
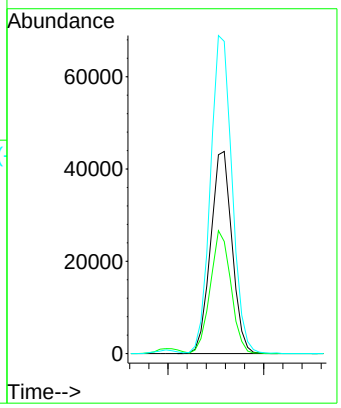
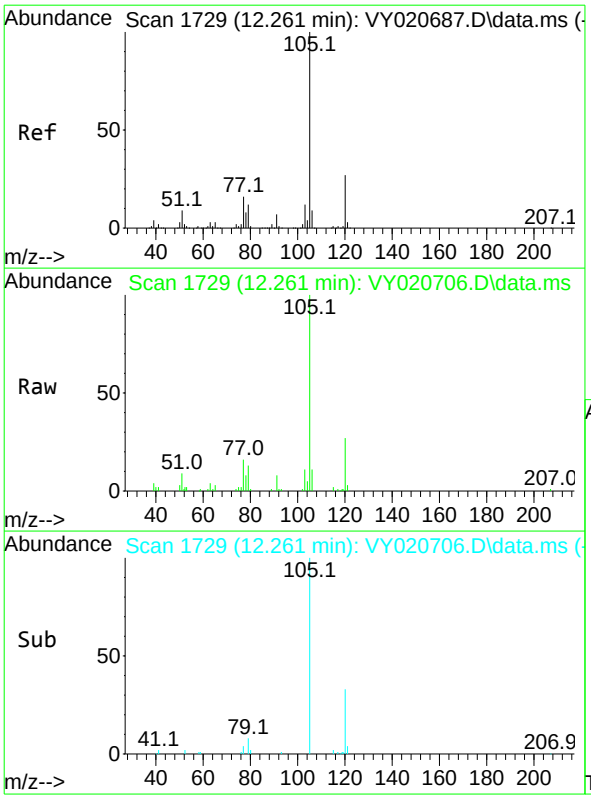


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.007 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:152 Resp: 68108

Ion	Ratio	Lower	Upper
152	100		
115	58.6	30.3	90.9
150	158.9	0.0	349.0

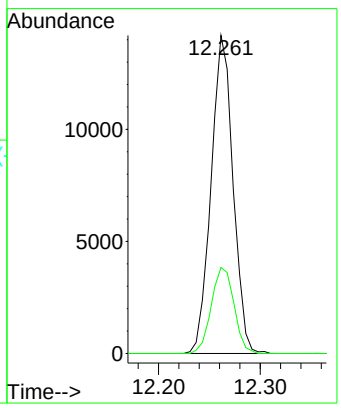




#73
Isopropylbenzene
Concen: 4.508 ug/l
RT: 12.261 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:105 Resp: 21271

Ion	Ratio	Lower	Upper
105	100		
120	27.9	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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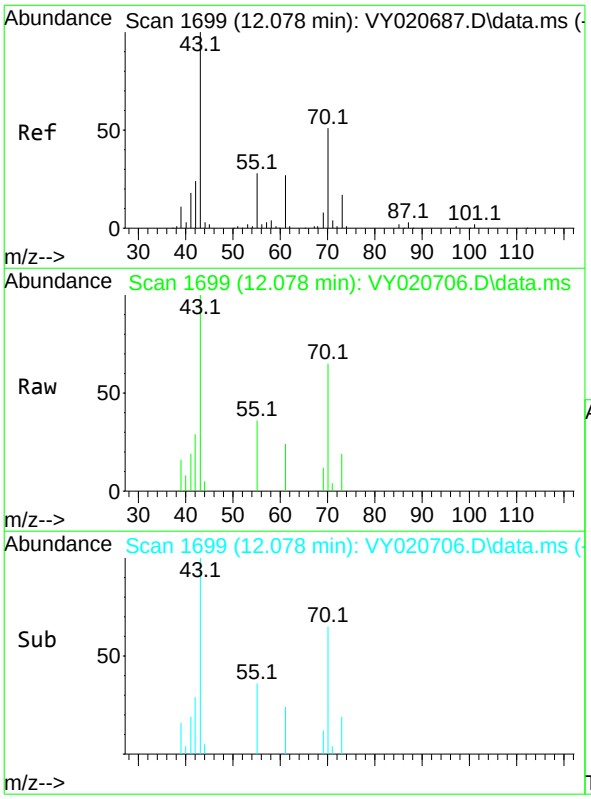
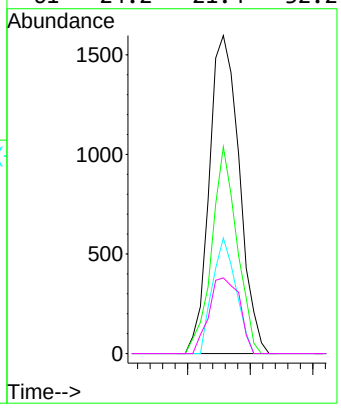
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

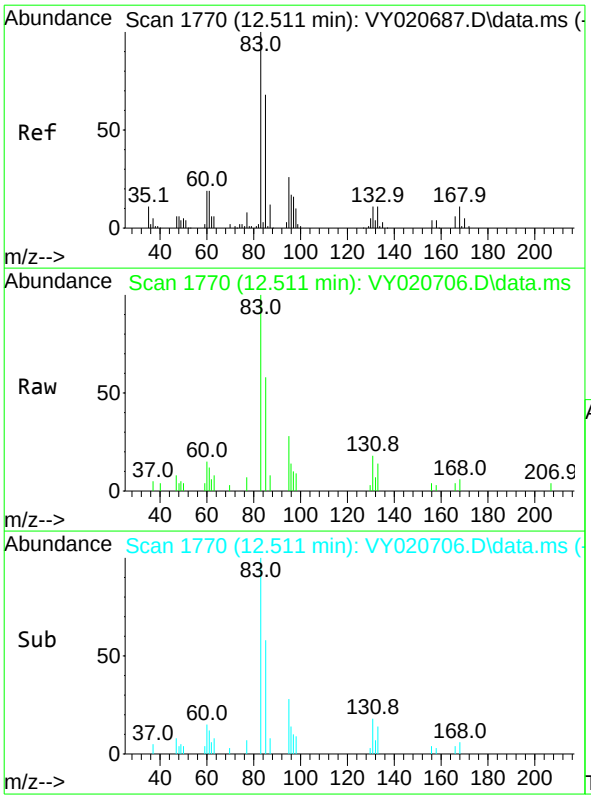


#74
N-amyl acetate
Concen: 3.970 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 43 Resp: 2662

Ion	Ratio	Lower	Upper
43	100		
70	54.7	39.7	59.5
55	28.3	21.5	32.3
61	24.2	21.4	32.2

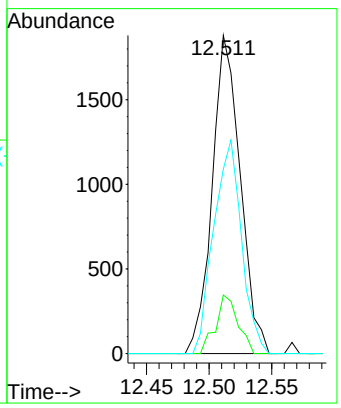




#75
1,1,2,2-Tetrachloroethane
Concen: 4.847 ug/l
RT: 12.511 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 83 Resp: 2932

Ion	Ratio	Lower	Upper
83	100		
131	14.5	6.9	20.7
85	66.4	32.5	97.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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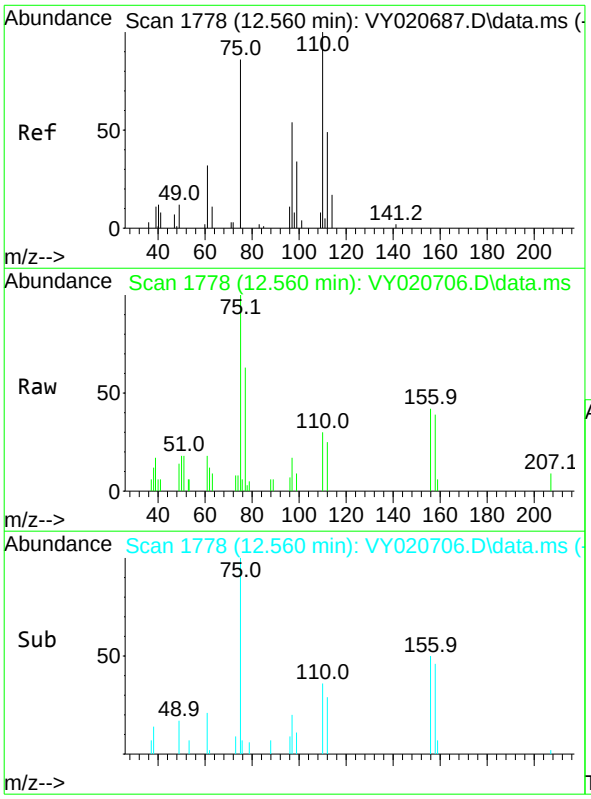
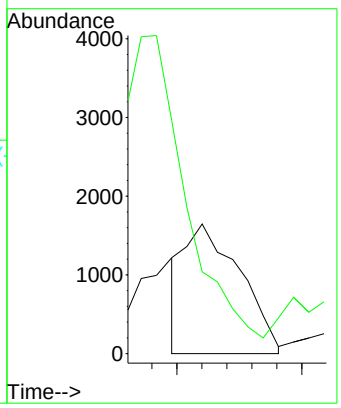
Supervised By :Semsettin Yesilyurt 12/27/2024

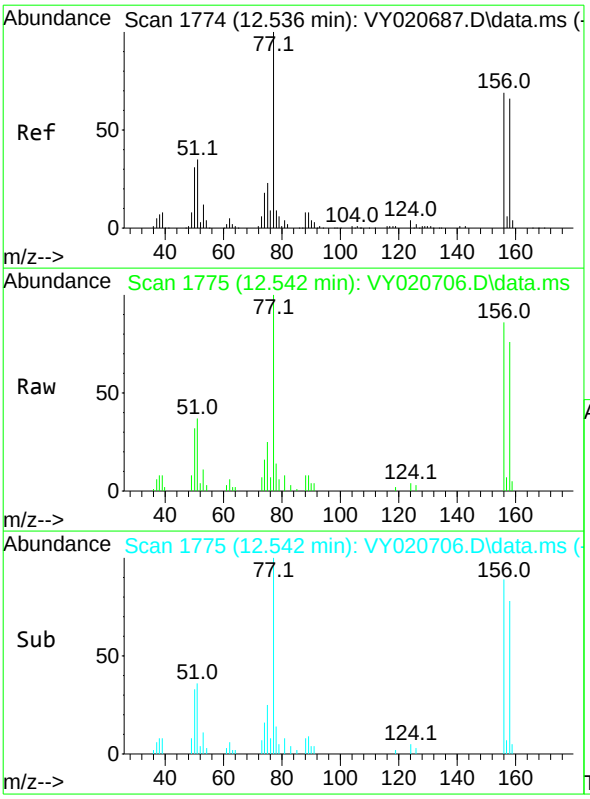


#76
1,2,3-Trichloropropane
Concen: 5.265 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 75 Resp: 2559

Ion	Ratio	Lower	Upper
75	100		
77	303.8	0.0	0.0#

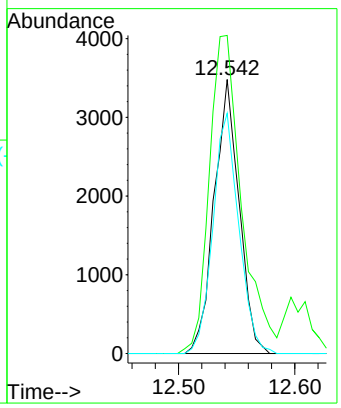




#77
Bromobenzene
Concen: 4.775 ug/l
RT: 12.542 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:156 Resp: 5187

Ion	Ratio	Lower	Upper
156	100		
77	149.9	78.3	235.0
158	91.1	48.3	144.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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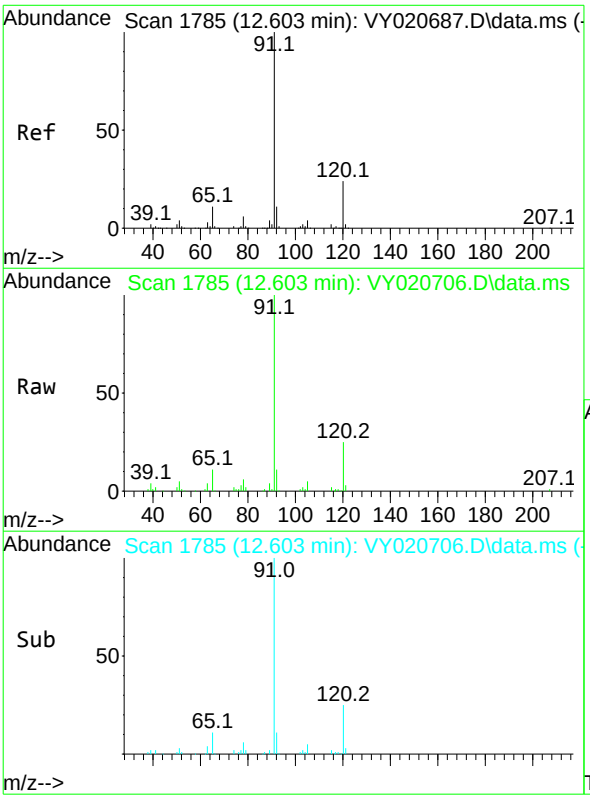
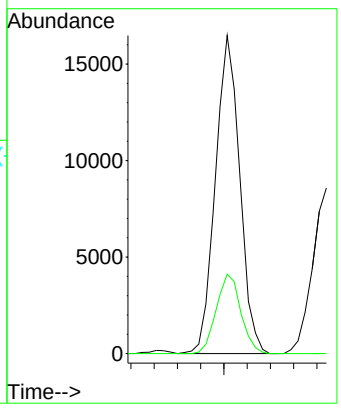
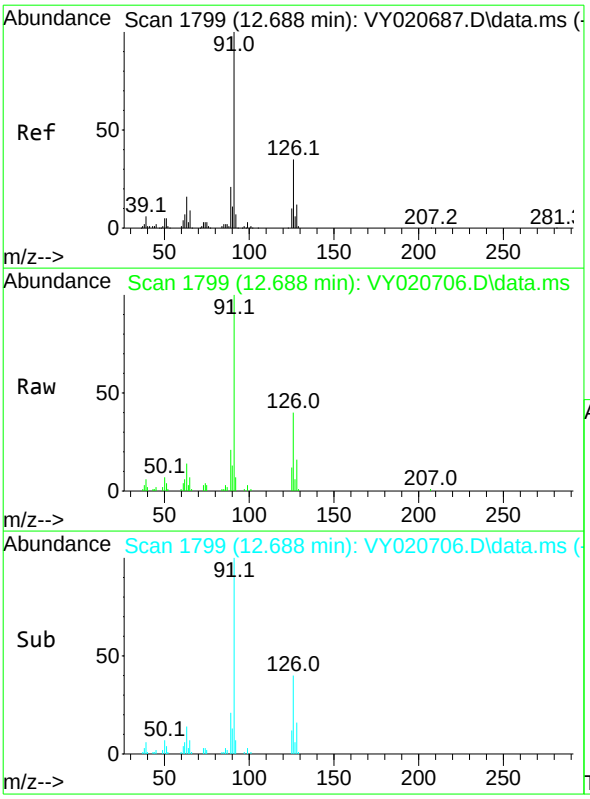


#78
n-propylbenzene
Concen: 4.534 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 91 Resp: 23980

Ion	Ratio	Lower	Upper
91	100		
120	25.1	12.3	36.8

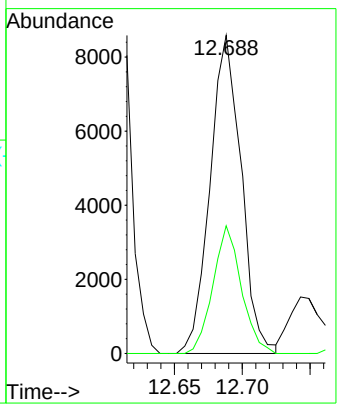




#79
2-Chlorotoluene
Concen: 4.540 ug/l
RT: 12.688 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 91 Resp: 13687

Ion	Ratio	Lower	Upper
91	100		
126	36.6	17.8	53.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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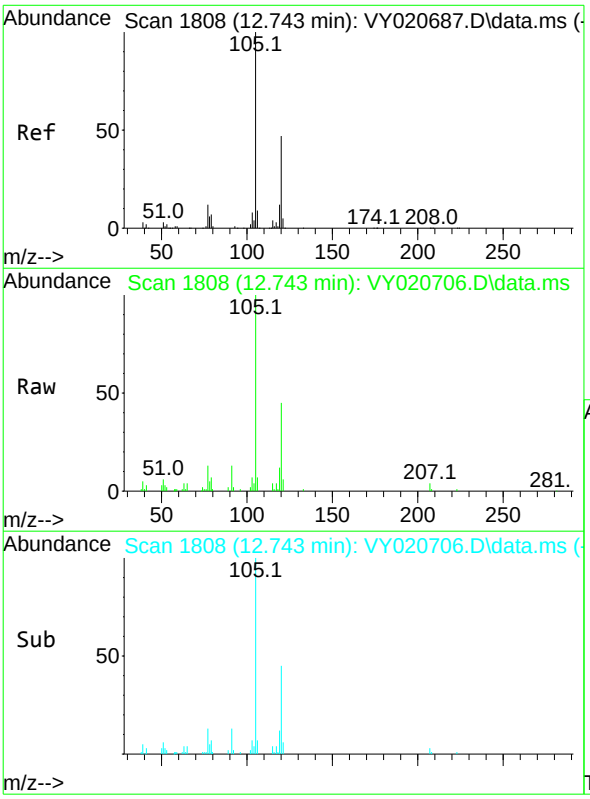
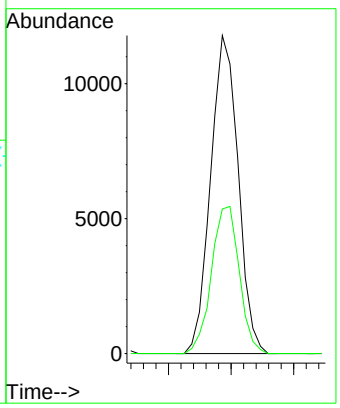
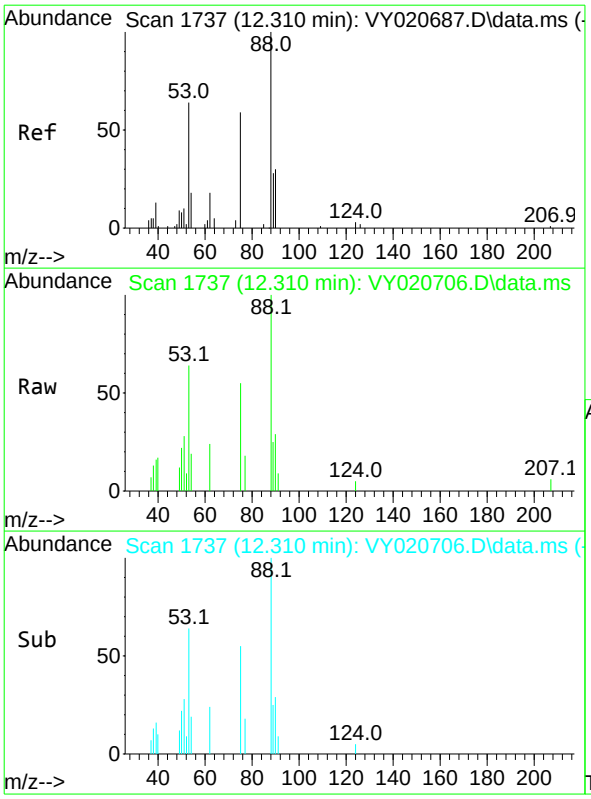


#80
1,3,5-Trimethylbenzene
Concen: 4.582 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:105 Resp: 18014

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.9	71.7

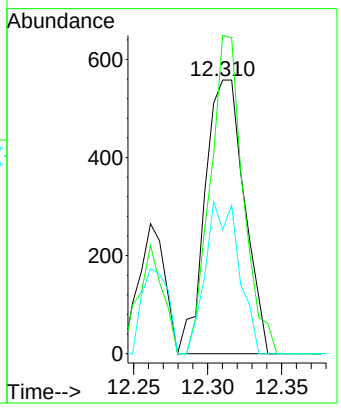




#81
trans-1,4-Dichloro-2-butene
Concen: 4.700 ug/l
RT: 12.310 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 75 Resp: 1030

Ion	Ratio	Lower	Upper
75	100		
53	97.4	83.1	124.7
89	47.2	40.6	61.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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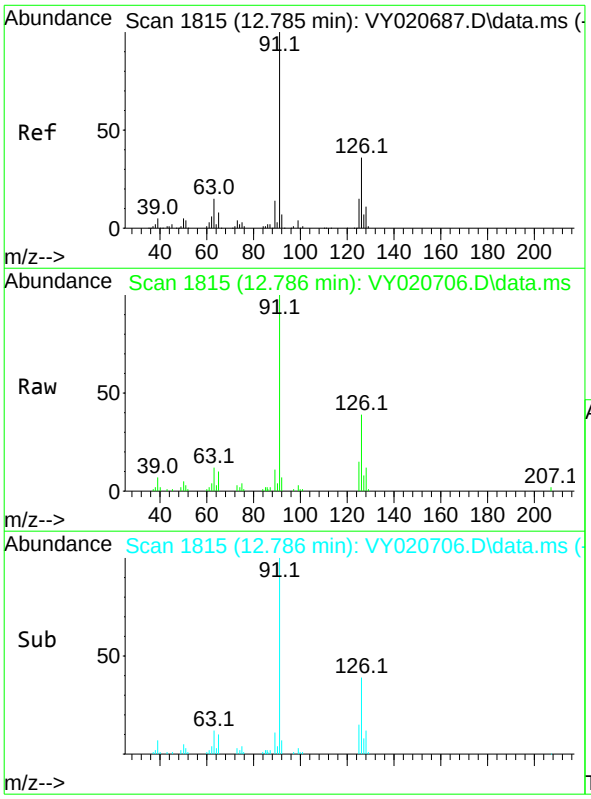
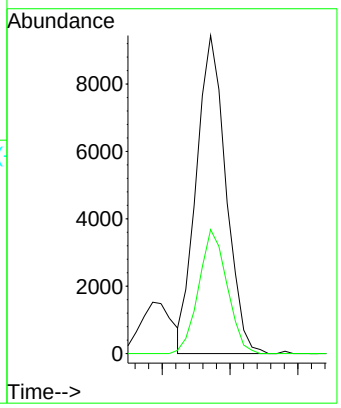
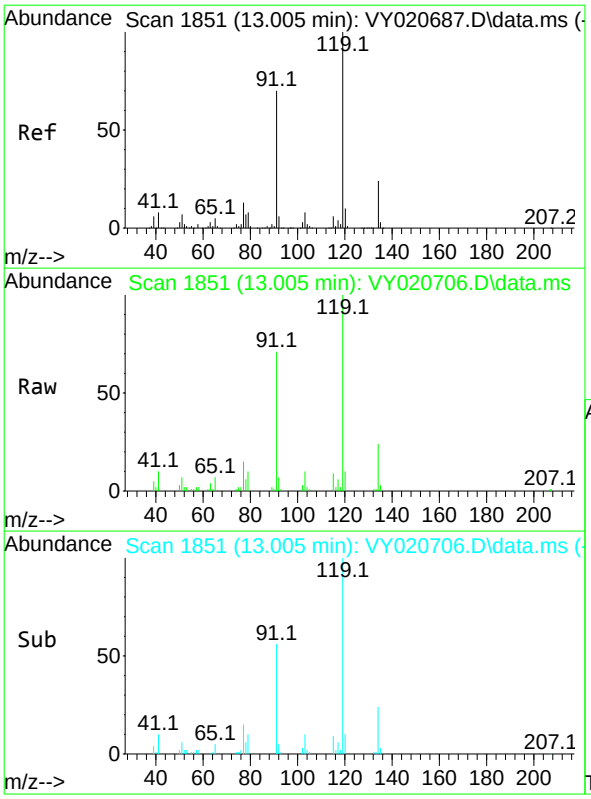


#82
4-Chlorotoluene
Concen: 4.588 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.001 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 91 Resp: 14294

Ion	Ratio	Lower	Upper
91	100		
126	37.3	17.8	53.5





#83
tert-Butylbenzene
Concen: 4.613 ug/l
RT: 13.005 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:119 Resp: 16938

Ion	Ratio	Lower	Upper
119	100		
91	67.4	33.6	100.8
134	25.6	13.4	40.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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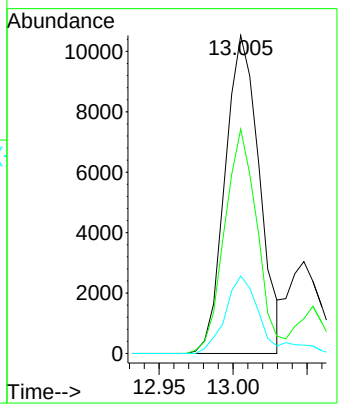
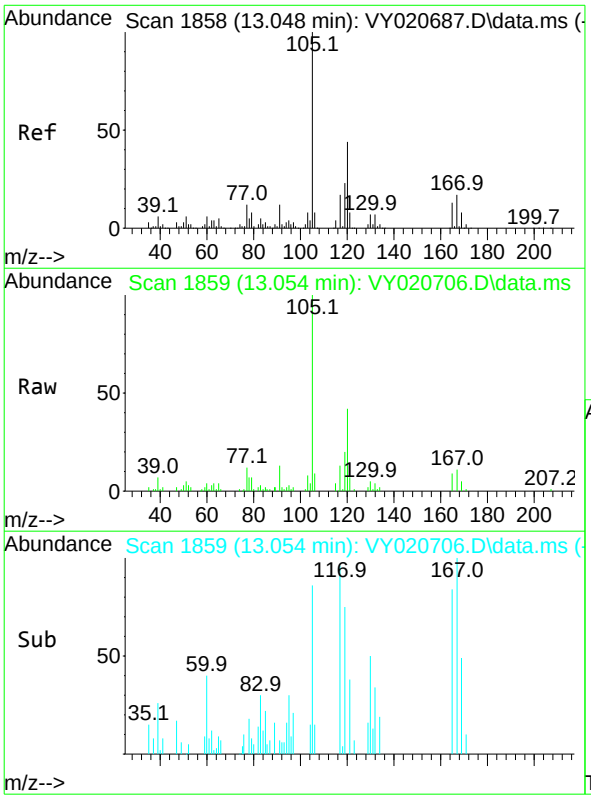
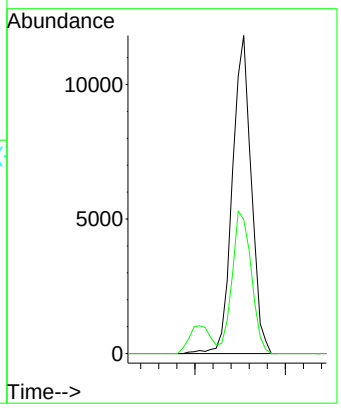


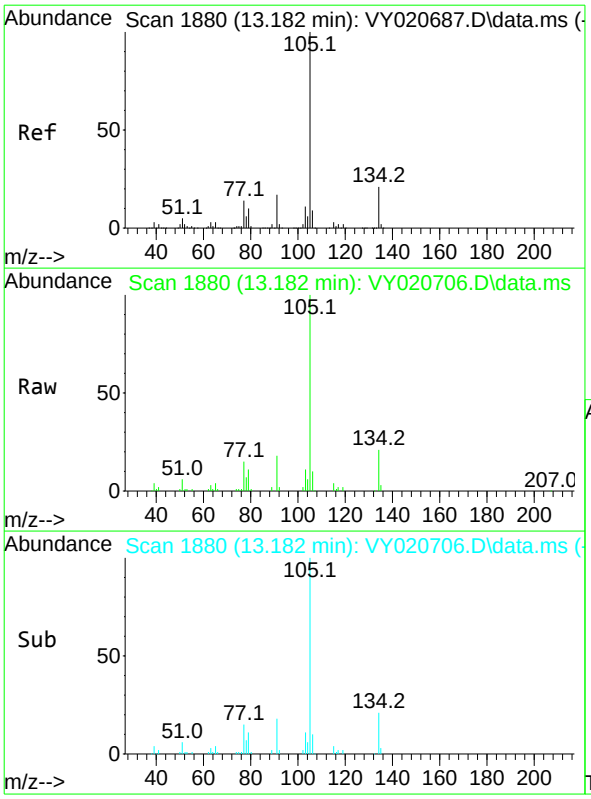


#84
1,2,4-Trimethylbenzene
Concen: 4.473 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:105 Resp: 17114

Ion	Ratio	Lower	Upper
105	100		
120	45.7	21.8	65.3

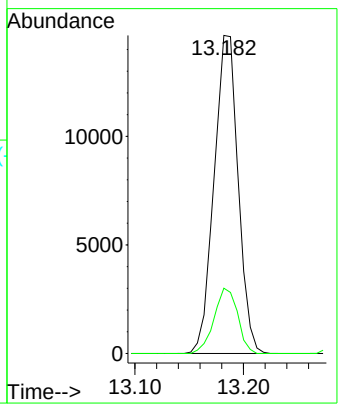




#85
sec-Butylbenzene
Concen: 4.564 ug/l
RT: 13.182 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:105 Resp: 22583

Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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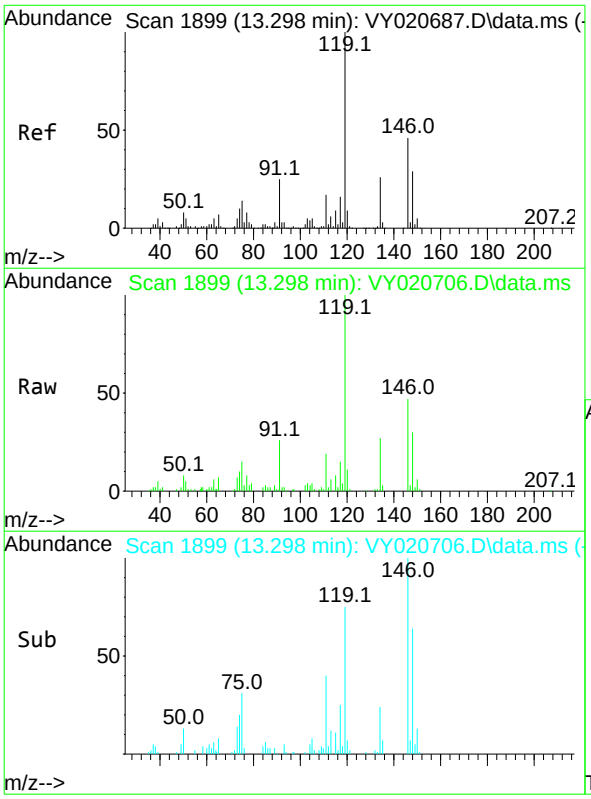
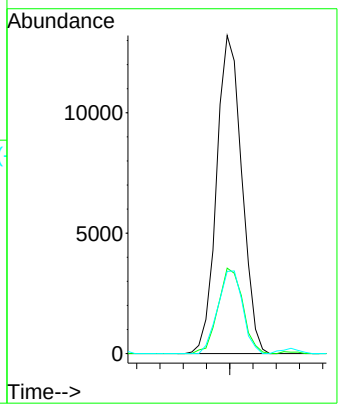
Supervised By :Semsettin Yesilyurt 12/27/2024

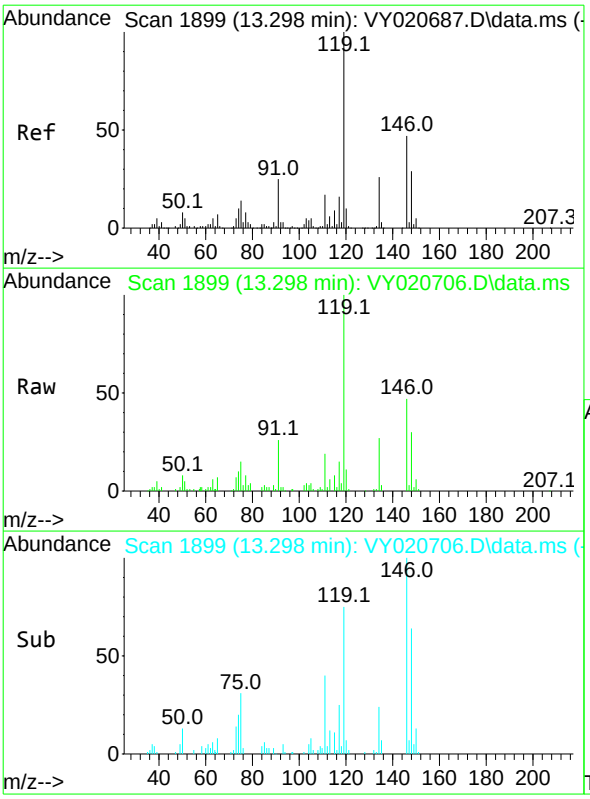


#86
p-Isopropyltoluene
Concen: 4.513 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:119 Resp: 19901

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.4	40.2
91	25.6	12.9	38.6

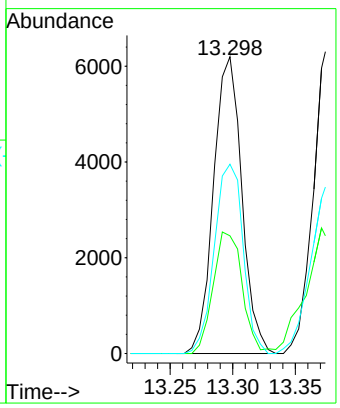




#87
1,3-Dichlorobenzene
Concen: 4.582 ug/l
RT: 13.298 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:146 Resp: 9727

Ion	Ratio	Lower	Upper
146	100		
111	42.4	19.3	57.8
148	64.9	31.1	93.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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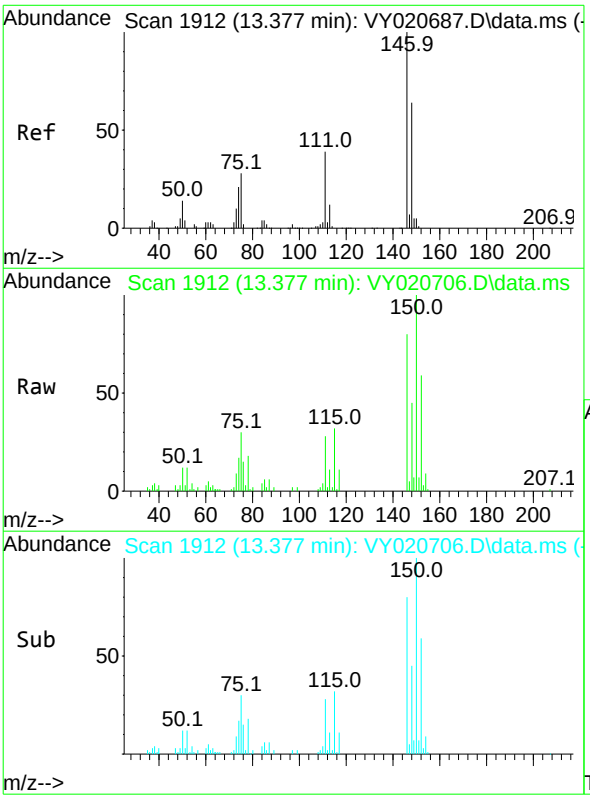
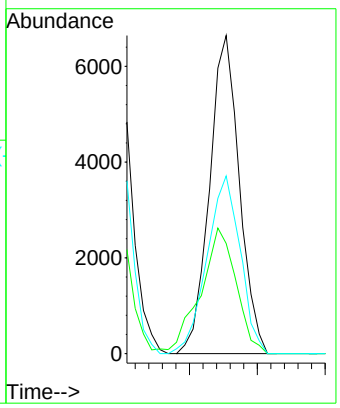
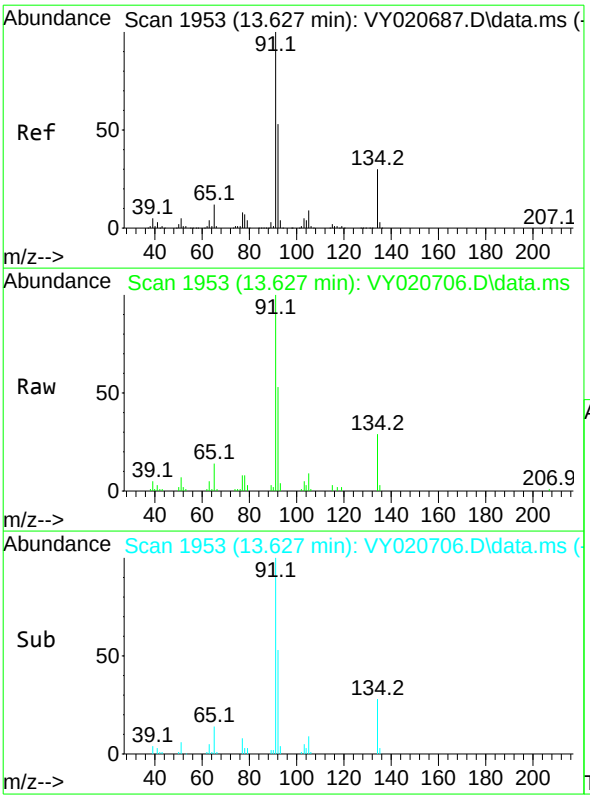


#88
1,4-Dichlorobenzene
Concen: 4.811 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:146 Resp: 10161

Ion	Ratio	Lower	Upper
146	100		
111	46.8	19.7	59.0
148	62.3	32.8	98.3

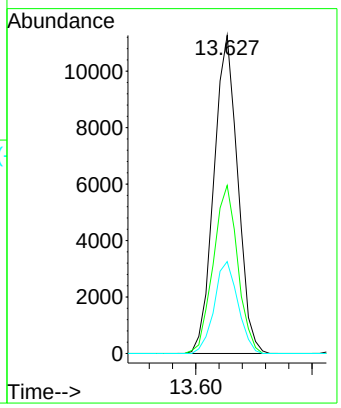




#89
n-Butylbenzene
Concen: 4.359 ug/l
RT: 13.627 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 91 Resp: 16045

Ion	Ratio	Lower	Upper
91	100		
92	54.1	26.1	78.2
134	28.7	14.8	44.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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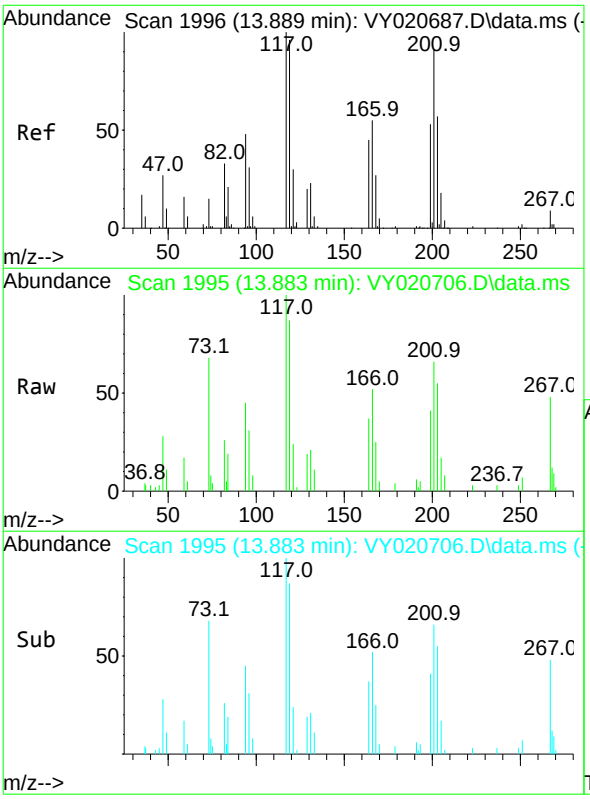
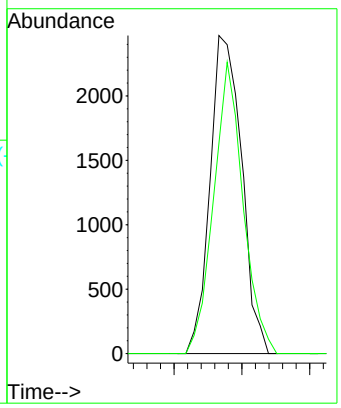
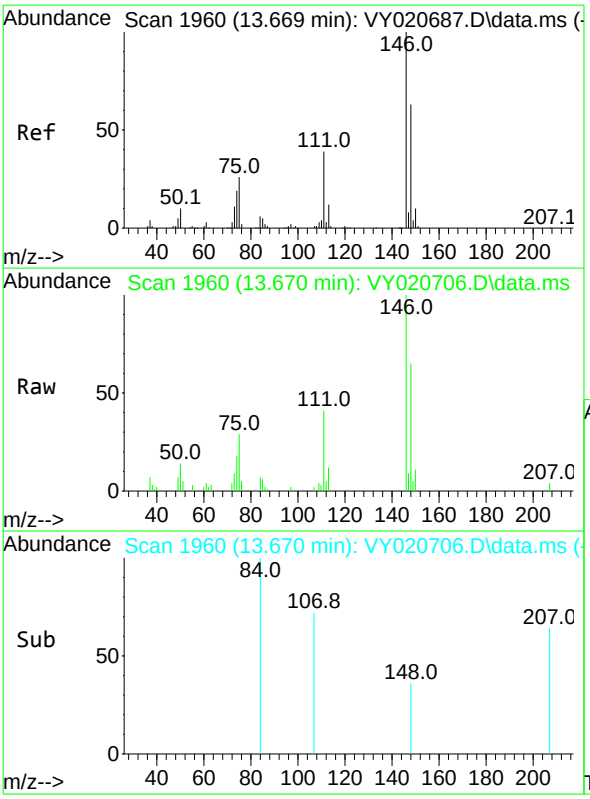


#90
Hexachloroethane
Concen: 4.760 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:117 Resp: 3991

Ion	Ratio	Lower	Upper
117	100		
201	85.4	44.9	134.7

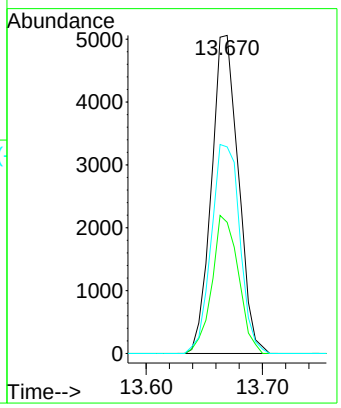




#91
1,2-Dichlorobenzene
Concen: 4.480 ug/l
RT: 13.670 min Scan# 19
Delta R.T. 0.001 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:146 Resp: 8154

Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.3	60.8
148	69.5	31.9	95.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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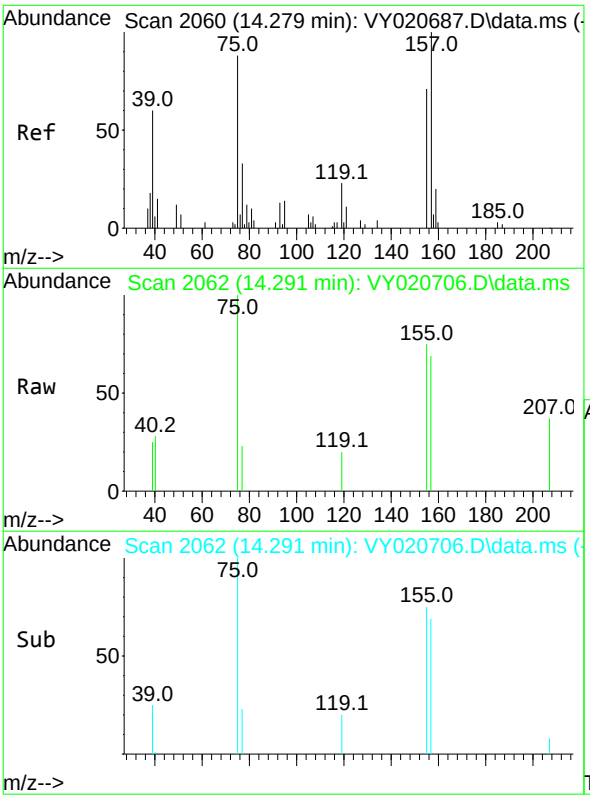
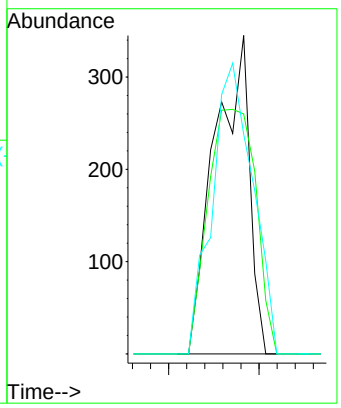
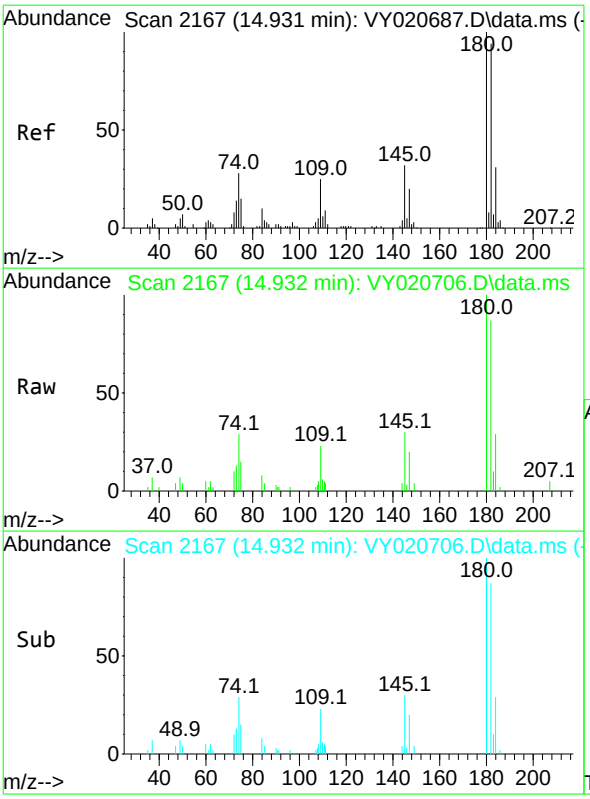


#92
1,2-Dibromo-3-Chloropropane
Concen: 3.921 ug/l
RT: 14.291 min Scan# 2062
Delta R.T. 0.012 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 75 Resp: 460

Ion	Ratio	Lower	Upper
75	100		
155	105.7	43.4	130.2
157	107.0	58.6	175.7





#93
1,2,4-Trichlorobenzene
Concen: 3.920 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.001 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

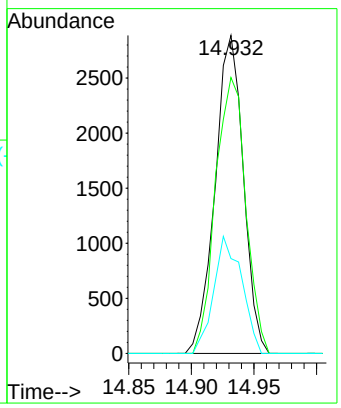
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

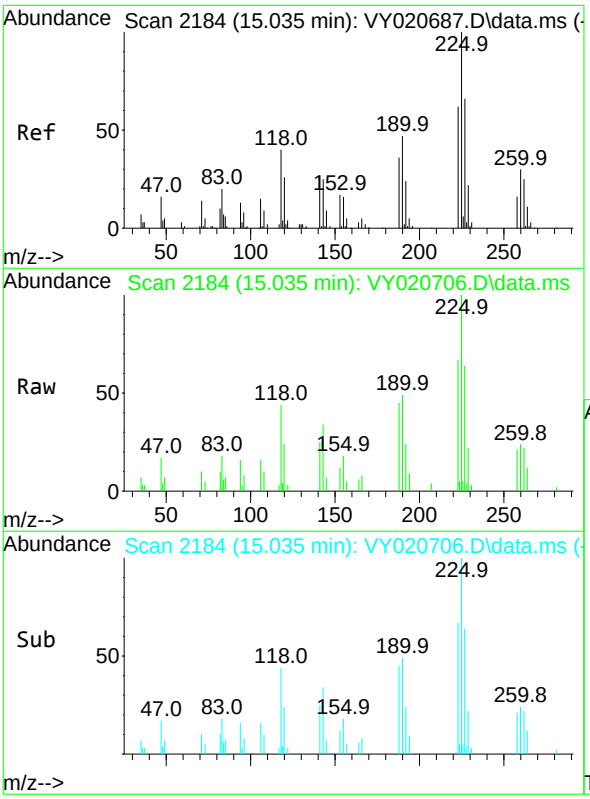
Tgt Ion:180 Resp: 4536

Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.9	143.7
145	36.4	15.6	46.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

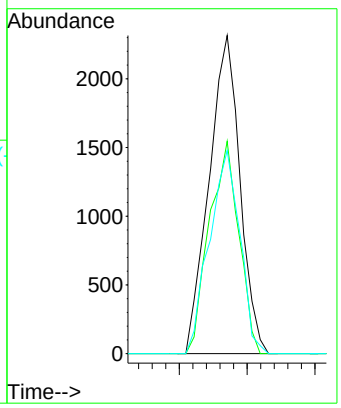


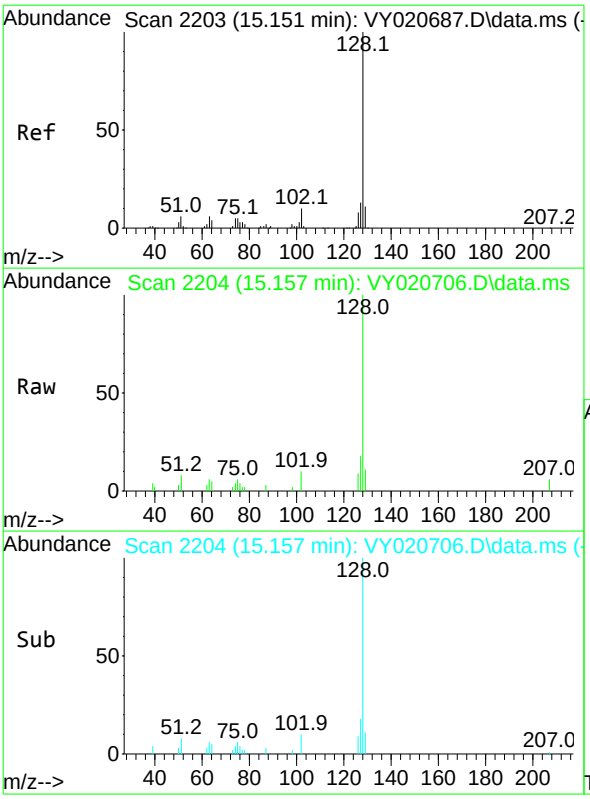


#94
Hexachlorobutadiene
Concen: 4.345 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:225 Resp: 3664

Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.3	93.8
227	63.0	32.1	96.5

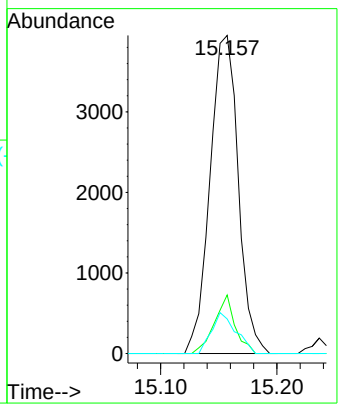




#95
Naphthalene
Concen: 3.599 ug/l
RT: 15.157 min Scan# 22
Delta R.T. 0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:128 Resp: 6669

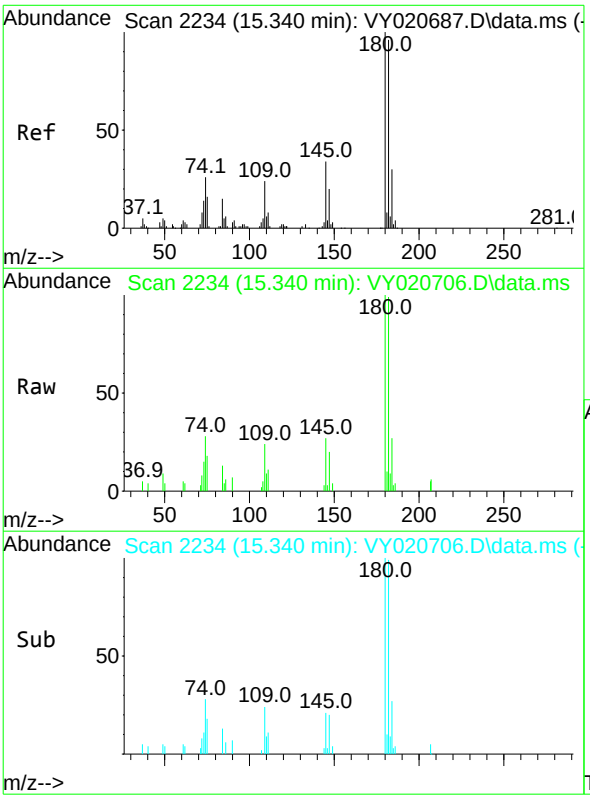
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	11.1	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

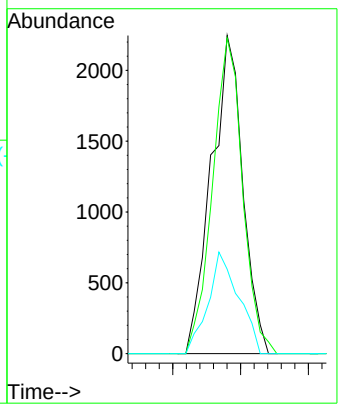
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024



#96
1,2,3-Trichlorobenzene
Concen: 3.753 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:180 Resp: 3615

Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.4	142.2
145	31.0	16.7	50.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020707.D
Acq On : 26 Dec 2024 09:53
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Quant Time: Dec 26 16:05:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.719	168	113806	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.621	114	160513	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.426	117	134187	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	67536	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.073	65	9148	9.814	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 19.620%#				
35) Dibromofluoromethane	7.646	113	8811	9.966	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 19.940%#				
50) Toluene-d8	10.115	98	28333	9.506	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 19.020%#				
62) 4-Bromofluorobenzene	12.413	95	12144	10.336	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 20.680%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.873	85	10304	11.503	ug/l		90
3) Chloromethane	2.080	50	3515	10.521	ug/l		97
4) Vinyl Chloride	2.214	62	4449	10.748	ug/l		97
5) Bromomethane	2.610	94	3397	10.870	ug/l		93
6) Chloroethane	2.751	64	2641	10.636	ug/l		90
7) Trichlorofluoromethane	3.074	101	17447	10.961	ug/l		95
8) Diethyl Ether	3.464	74	3903	10.304	ug/l		93
9) 1,1,2-Trichlorotrifluo...	3.830	101	9745	11.152	ug/l		99
10) Methyl Iodide	4.019	142	9549	9.993	ug/l		100
11) Tert butyl alcohol	4.872	59	3641	45.628	ug/l		99
12) 1,1-Dichloroethene	3.811	96	8169	10.503	ug/l		90
13) Acrolein	3.677	56	1325	67.996	ug/l		90
14) Allyl chloride	4.403	41	9677	10.632	ug/l		94
15) Acrylonitrile	5.079	53	7720	52.760	ug/l		94
16) Acetone	3.891	43	7777	65.764	ug/l		90
17) Carbon Disulfide	4.122	76	19437	10.187	ug/l		99
18) Methyl Acetate	4.397	43	3518	10.992	ug/l		95
19) Methyl tert-butyl Ether	5.134	73	22860	10.545	ug/l		97
20) Methylene Chloride	4.640	84	8316	10.812	ug/l	#	88
21) trans-1,2-Dichloroethene	5.134	96	8600	10.261	ug/l		98
22) Diisopropyl ether	6.030	45	20110	10.869	ug/l		93
23) Vinyl Acetate	5.976	43	56669	51.276	ug/l		98
24) 1,1-Dichloroethane	5.939	63	15035	10.838	ug/l	#	95
25) 2-Butanone	6.914	43	7858	49.191	ug/l		93
26) 2,2-Dichloropropane	6.902	77	18453	10.868	ug/l		96
27) cis-1,2-Dichloroethene	6.908	96	10464	10.425	ug/l		98
28) Bromochloromethane	7.262	49	3437	9.369	ug/l	#	92
29) Tetrahydrofuran	7.274	42	5125	52.267	ug/l		99
30) Chloroform	7.433	83	18692	10.474	ug/l		88
31) Cyclohexane	7.719	56	13258	11.072	ug/l	#	92
32) 1,1,1-Trichloroethane	7.634	97	20406	10.668	ug/l		98
36) 1,1-Dichloropropene	7.847	75	12601	10.790	ug/l		98
37) Ethyl Acetate	6.994	43	3547	9.217	ug/l		100
38) Carbon Tetrachloride	7.829	117	20683	10.755	ug/l		94
39) Methylcyclohexane	9.115	83	15497	10.353	ug/l		95
40) Benzene	8.091	78	35447	10.473	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020707.D
Acq On : 26 Dec 2024 09:53
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Dec 26 16:05:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	1876	9.650	ug/l	#	68
42) 1,2-Dichloroethane	8.170	62	11313	10.424	ug/l		99
43) Isopropyl Acetate	8.207	43	7905	9.664	ug/l	#	87
44) Trichloroethene	8.878	130	10790	10.673	ug/l		96
45) 1,2-Dichloropropane	9.146	63	7377	10.767	ug/l		91
46) Dibromomethane	9.237	93	4900	10.336	ug/l		94
47) Bromodichloromethane	9.432	83	14245	10.599	ug/l		98
48) Methyl methacrylate	9.231	41	3827	10.018	ug/l		94
49) 1,4-Dioxane	9.243	88	924	204.624	ug/l		90
51) 4-Methyl-2-Pentanone	10.005	43	19722	49.951	ug/l		99
52) Toluene	10.176	92	24111	10.393	ug/l		98
53) t-1,3-Dichloropropene	10.402	75	11736	9.942	ug/l		98
54) cis-1,3-Dichloropropene	9.865	75	13095	10.121	ug/l		97
55) 1,1,2-Trichloroethane	10.578	97	5992	9.902	ug/l		94
56) Ethyl methacrylate	10.444	69	7986	10.046	ug/l		96
57) 1,3-Dichloropropane	10.725	76	9956	10.137	ug/l		96
58) 2-Chloroethyl Vinyl ether	9.719	63	12740	45.957	ug/l		97
59) 2-Hexanone	10.767	43	12416	47.628	ug/l		100
60) Dibromochloromethane	10.920	129	10320	10.554	ug/l		96
61) 1,2-Dibromoethane	11.023	107	5732	10.067	ug/l		97
64) Tetrachloroethene	10.658	164	9654	10.530	ug/l		93
65) Chlorobenzene	11.450	112	28012	10.661	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.523	131	10891	10.699	ug/l		99
67) Ethyl Benzene	11.529	91	48565	10.575	ug/l		97
68) m/p-Xylenes	11.639	106	37110	21.184	ug/l		99
69) o-Xylene	11.962	106	17878	10.682	ug/l		99
70) Styrene	11.975	104	28883	10.280	ug/l		99
71) Bromoform	12.133	173	6103	10.428	ug/l	#	98
73) Isopropylbenzene	12.261	105	51343	10.973	ug/l		99
74) N-amyl acetate	12.078	43	6525	9.813	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.511	83	5918	9.866	ug/l		94
76) 1,2,3-Trichloropropane	12.566	75	3057m	5.738	ug/l		
77) Bromobenzene	12.541	156	11164	10.365	ug/l		94
78) n-propylbenzene	12.602	91	57154	10.898	ug/l		100
79) 2-Chlorotoluene	12.688	91	32123	10.745	ug/l		98
80) 1,3,5-Trimethylbenzene	12.743	105	41891	10.746	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	2060	9.480	ug/l		92
82) 4-Chlorotoluene	12.785	91	32918	10.654	ug/l		100
83) tert-Butylbenzene	13.005	119	39005	10.714	ug/l		100
84) 1,2,4-Trimethylbenzene	13.054	105	39791	10.489	ug/l		96
85) sec-Butylbenzene	13.182	105	52410	10.682	ug/l		97
86) p-Isopropyltoluene	13.297	119	47106	10.773	ug/l		99
87) 1,3-Dichlorobenzene	13.297	146	22556	10.715	ug/l		99
88) 1,4-Dichlorobenzene	13.377	146	21947	10.480	ug/l		96
89) n-Butylbenzene	13.627	91	39091	10.710	ug/l		99
90) Hexachloroethane	13.889	117	8880	10.680	ug/l		99
91) 1,2-Dichlorobenzene	13.663	146	18554	10.279	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.285	75	1198	10.298	ug/l		98
93) 1,2,4-Trichlorobenzene	14.931	180	11153	9.721	ug/l		97
94) Hexachlorobutadiene	15.035	225	8808	10.534	ug/l		98
95) Naphthalene	15.151	128	16857	9.174	ug/l		98
96) 1,2,3-Trichlorobenzene	15.340	180	9155	9.584	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020707.D
Acq On : 26 Dec 2024 09:53
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Quant Time: Dec 26 16:05:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

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

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

ICAL Form

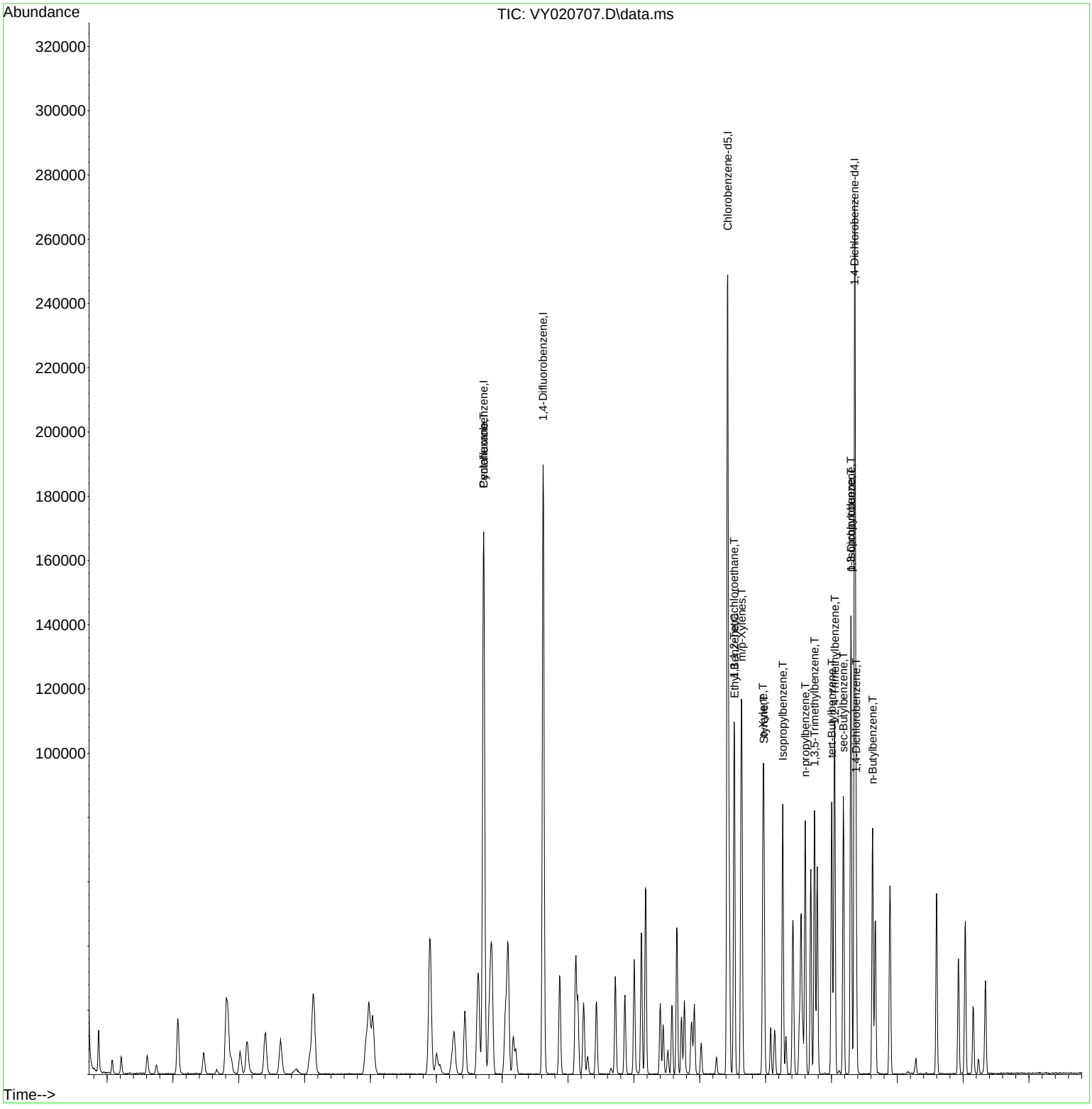
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020707.D
Acq On : 26 Dec 2024 09:53
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

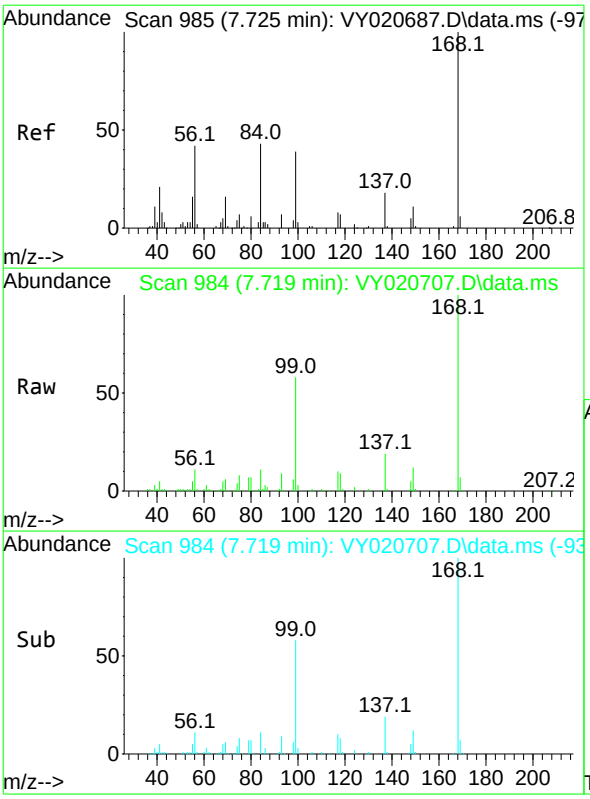
Quant Time: Dec 26 16:05:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

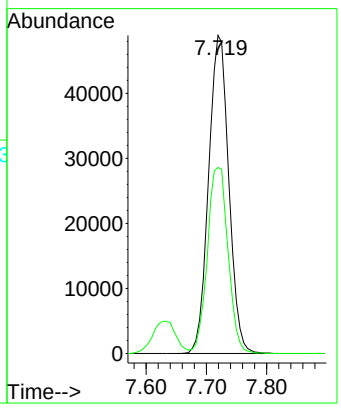




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:168 Resp: 113806

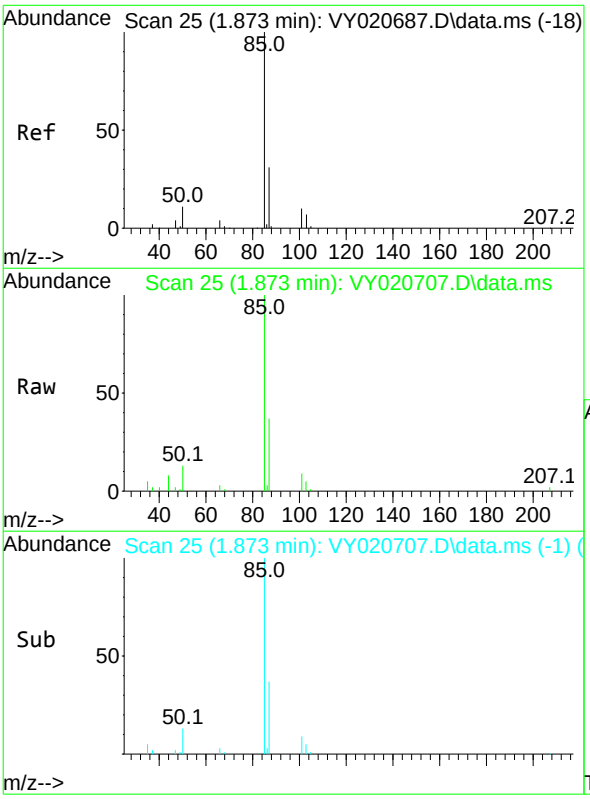
Ion	Ratio	Lower	Upper
168	100		
99	58.5	43.8	65.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

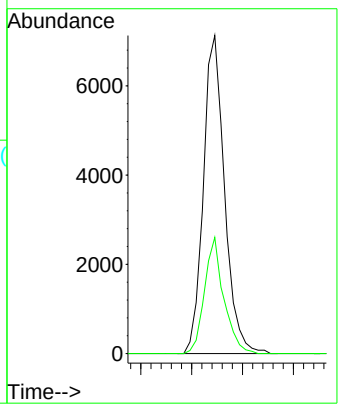
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

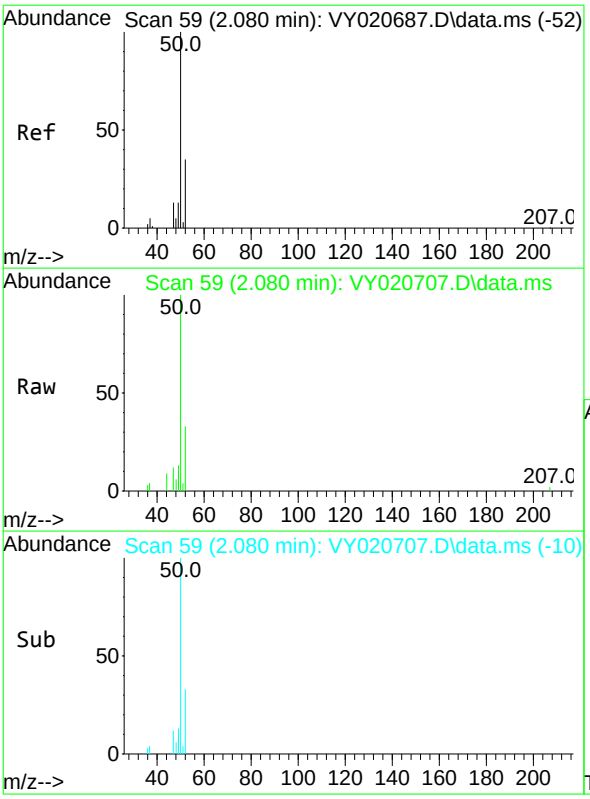


#2
Dichlorodifluoromethane
Concen: 11.503 ug/l
RT: 1.873 min Scan# 25
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 85 Resp: 10304

Ion	Ratio	Lower	Upper
85	100		
87	36.5	15.4	46.4

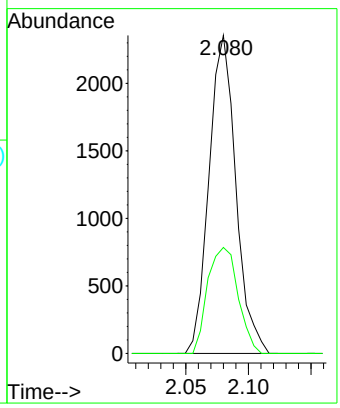




#3
Chloromethane
Concen: 10.521 ug/l
RT: 2.080 min Scan# 59
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 50 Resp: 3515

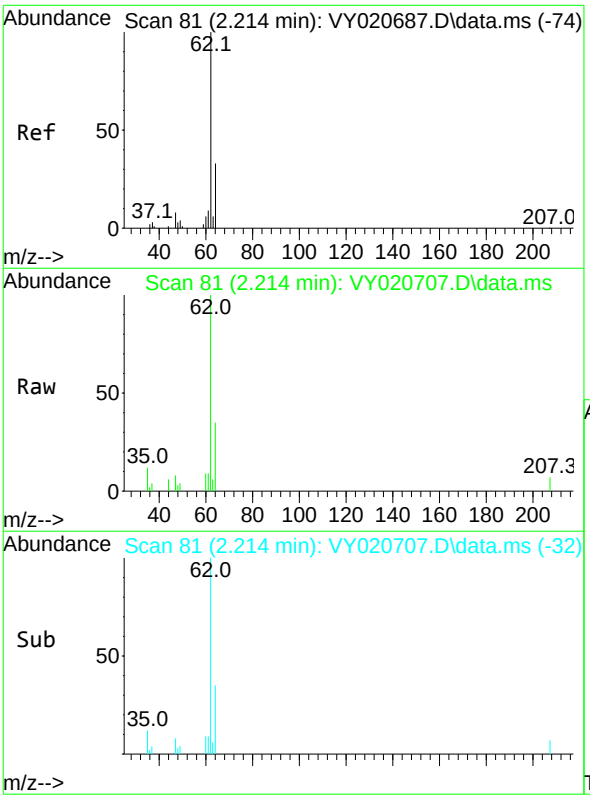
Ion	Ratio	Lower	Upper
50	100		
52	33.3	28.2	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

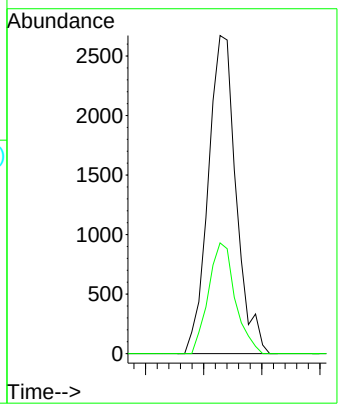
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

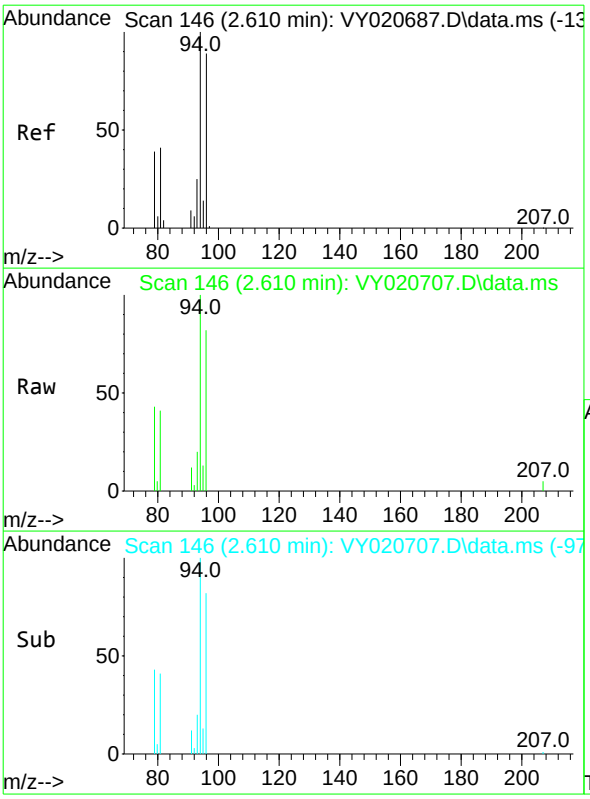


#4
Vinyl Chloride
Concen: 10.748 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 62 Resp: 4449

Ion	Ratio	Lower	Upper
62	100		
64	34.8	26.6	40.0

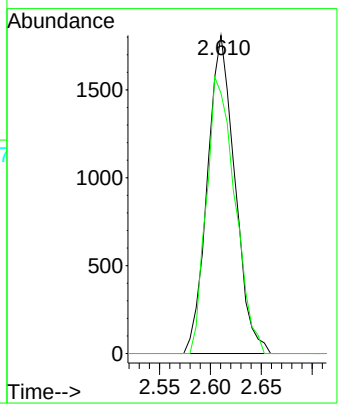




#5
Bromomethane
Concen: 10.870 ug/l
RT: 2.610 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 94 Resp: 3397

Ion	Ratio	Lower	Upper
94	100		
96	81.8	71.0	106.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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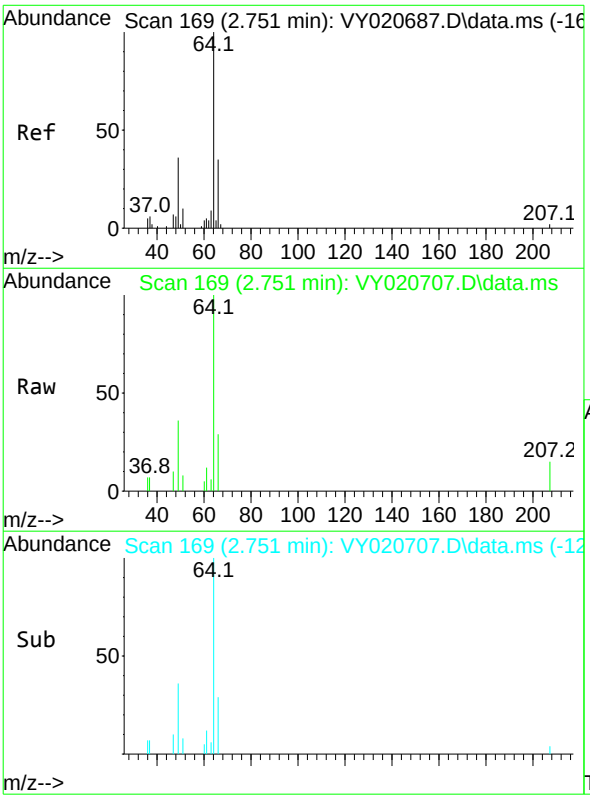
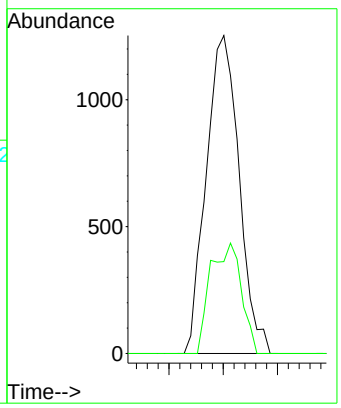
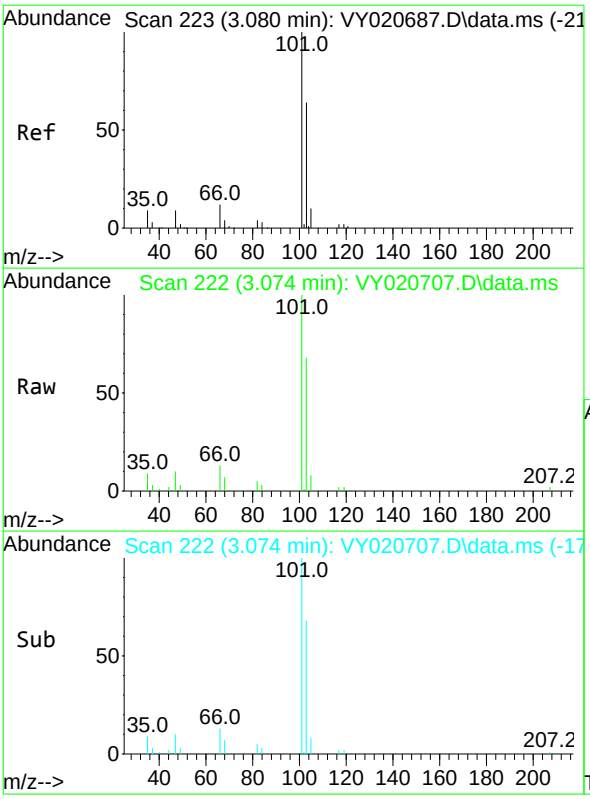


#6
Chloroethane
Concen: 10.636 ug/l
RT: 2.751 min Scan# 169
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 64 Resp: 2641

Ion	Ratio	Lower	Upper
64	100		
66	28.9	27.8	41.8

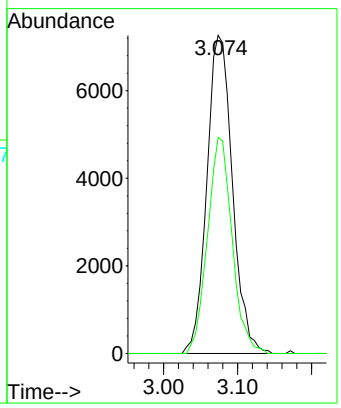




#7
Trichlorofluoromethane
Concen: 10.961 ug/l
RT: 3.074 min Scan# 22
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:101 Resp: 17447

Ion	Ratio	Lower	Upper
101	100		
103	67.9	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
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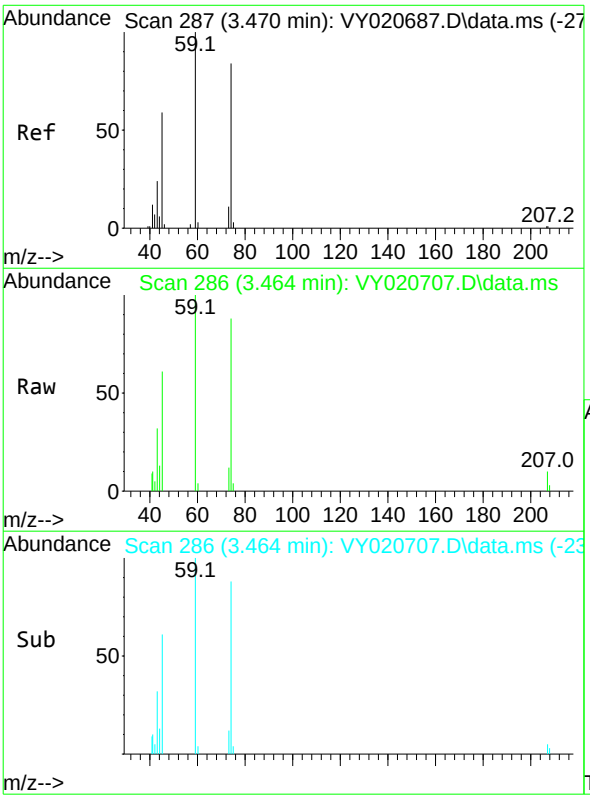
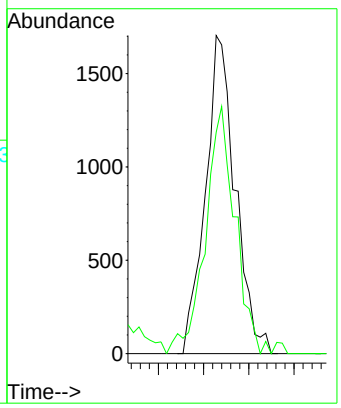
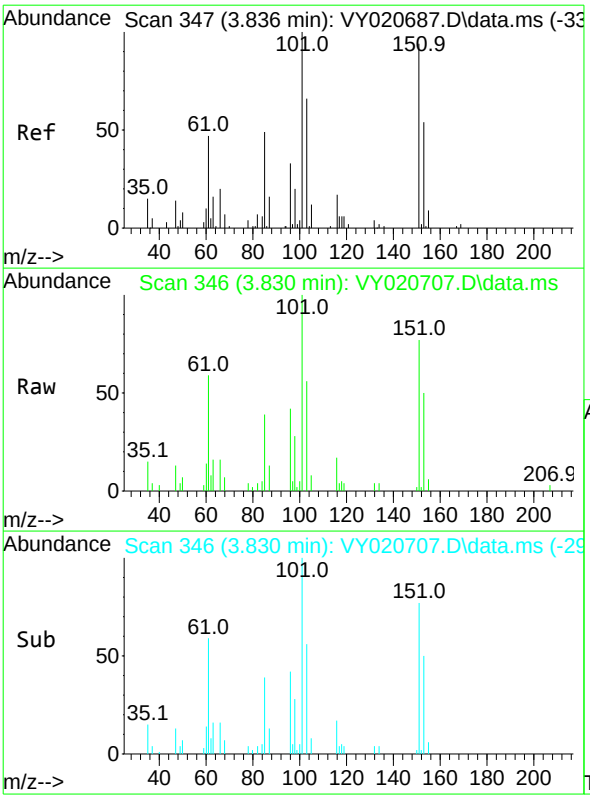


#8
Diethyl Ether
Concen: 10.304 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 74 Resp: 3903

Ion	Ratio	Lower	Upper
74	100		
45	77.2	35.8	107.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.152 ug/l
RT: 3.830 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:101 Resp: 9745

Ion	Ratio	Lower	Upper
101	100		
85	46.4	38.2	57.2
151	86.1	68.4	102.6

Instrument :
MSVOA_Y
ClientSampleId :
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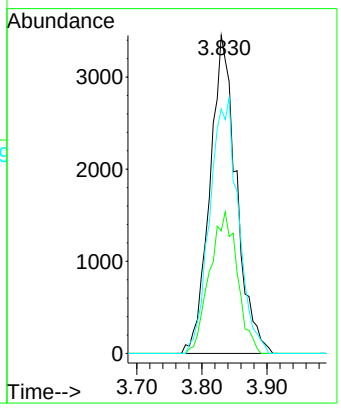
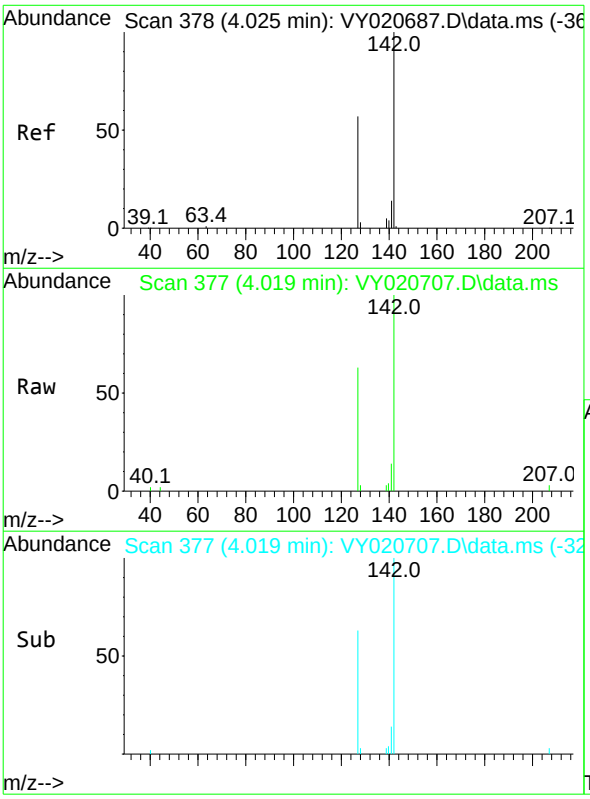
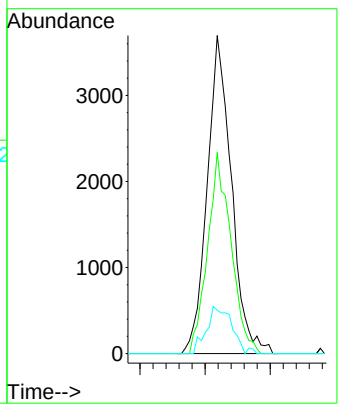


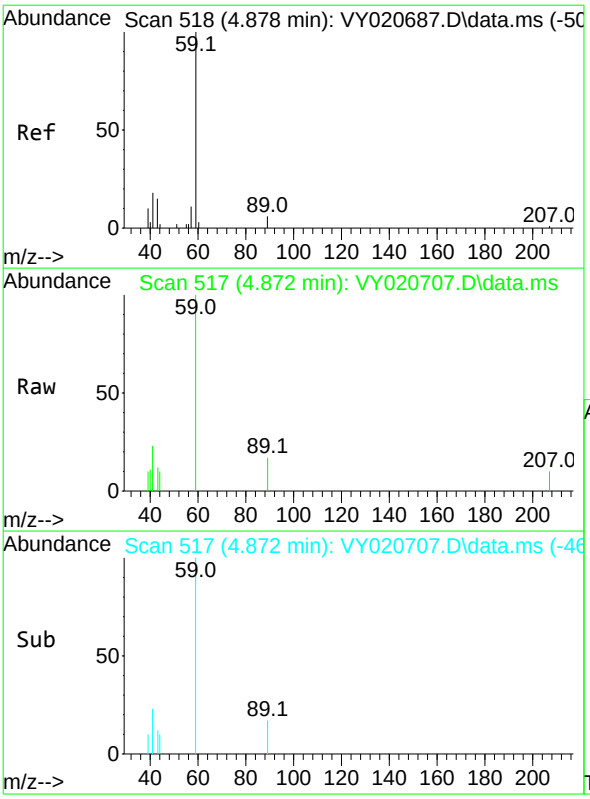


#10
Methyl Iodide
Concen: 9.993 ug/l
RT: 4.019 min Scan# 377
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:142 Resp: 9549

Ion	Ratio	Lower	Upper
142	100		
127	60.9	48.8	73.2
141	15.6	11.9	17.9

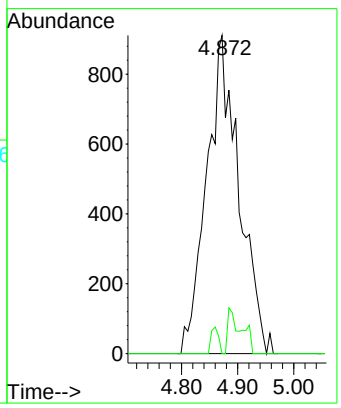




#11
Tert butyl alcohol
Concen: 45.628 ug/l
RT: 4.872 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 59 Resp: 3641

Ion	Ratio	Lower	Upper
59	100		
57	3.8	2.8	4.2



Instrument :
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ClientSampleId :
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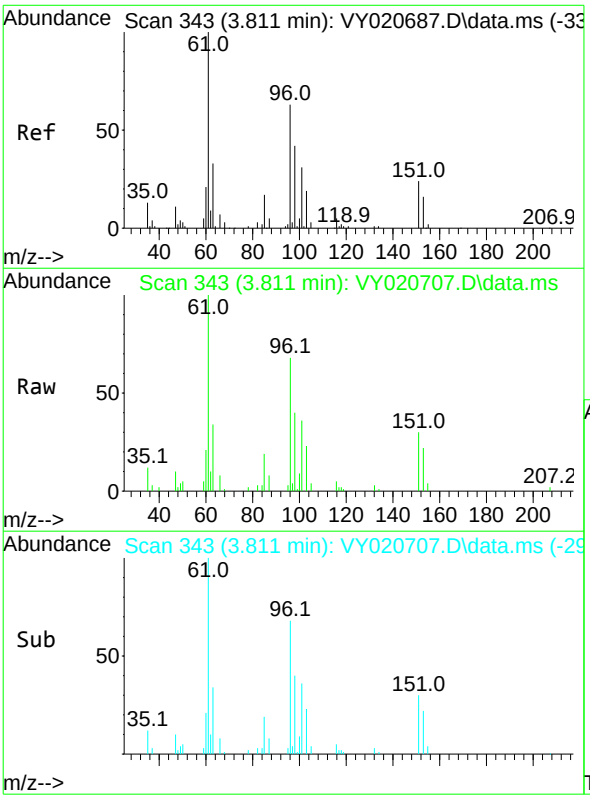
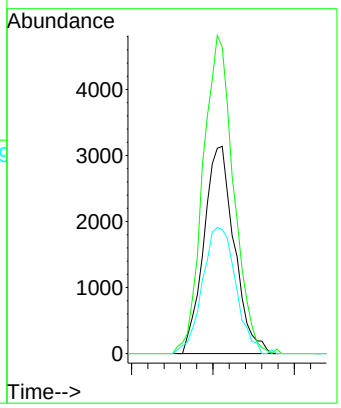
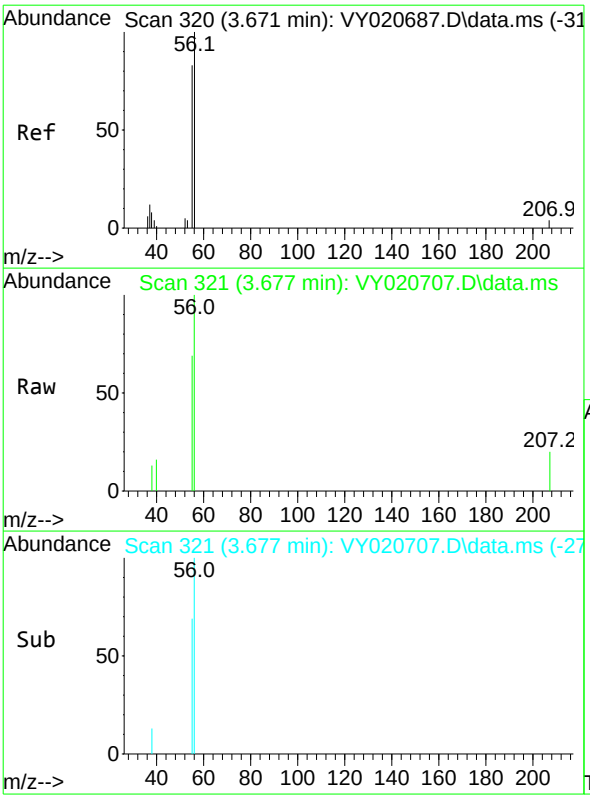


#12
1,1-Dichloroethene
Concen: 10.503 ug/l
RT: 3.811 min Scan# 343
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 96 Resp: 8169

Ion	Ratio	Lower	Upper
96	100		
61	145.8	127.1	190.7
98	59.8	53.4	80.0

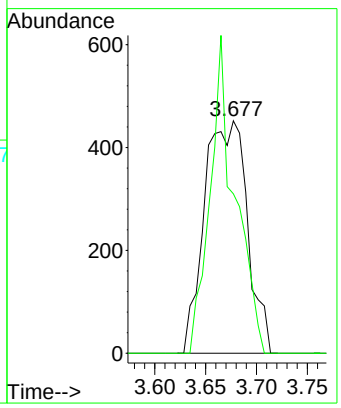




#13
Acrolein
Concen: 67.996 ug/l
RT: 3.677 min Scan# 32
Delta R.T. 0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 56 Resp: 1325

Ion	Ratio	Lower	Upper
56	100		
55	79.7	57.0	85.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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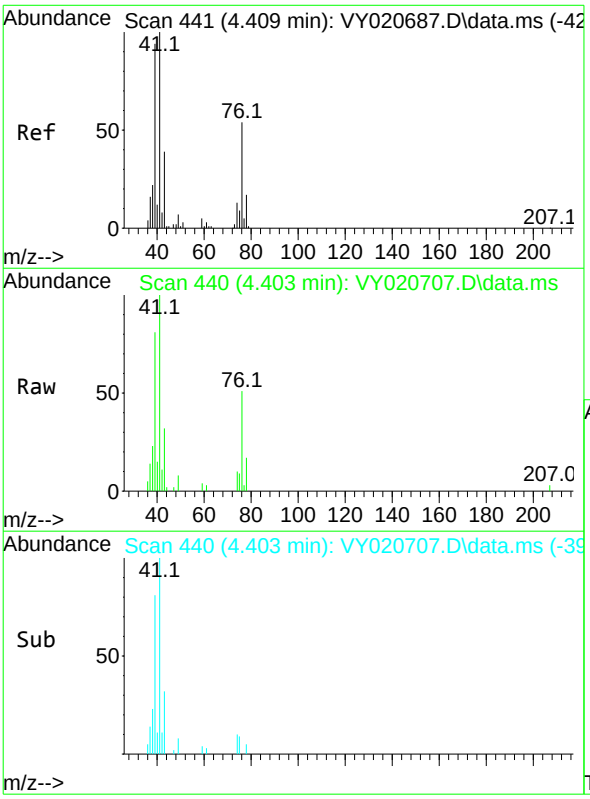
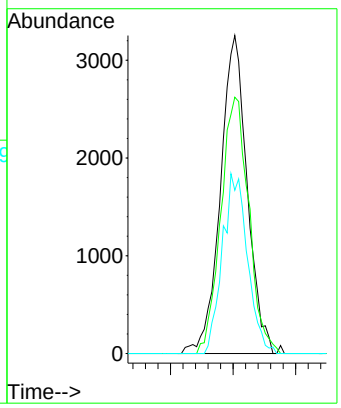
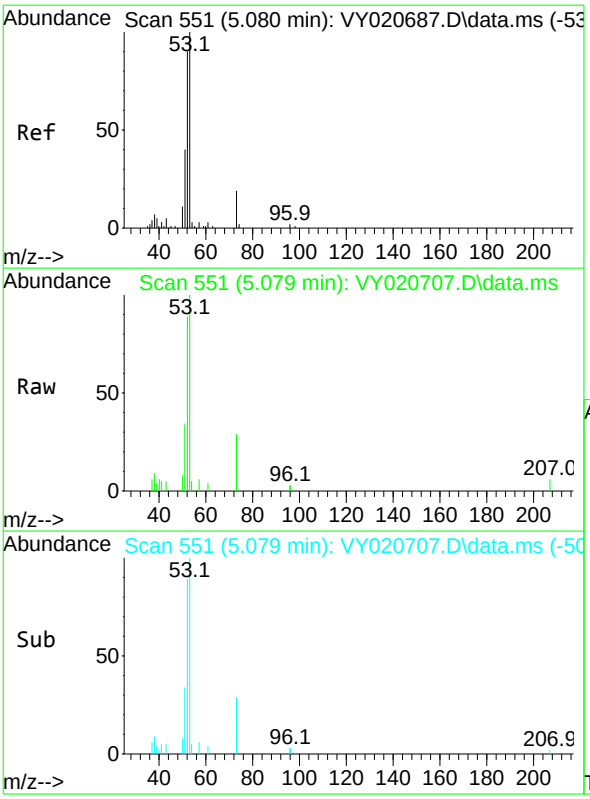


#14
Allyl chloride
Concen: 10.632 ug/l
RT: 4.403 min Scan# 440
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 41 Resp: 9677

Ion	Ratio	Lower	Upper
41	100		
39	84.1	73.5	110.3
76	52.9	41.8	62.8

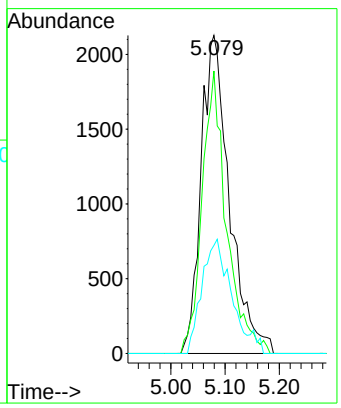




#15
Acrylonitrile
Concen: 52.760 ug/l
RT: 5.079 min Scan# 55
Delta R.T. -0.001 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 53 Resp: 7720

Ion	Ratio	Lower	Upper
53	100		
52	76.3	67.1	100.7
51	38.0	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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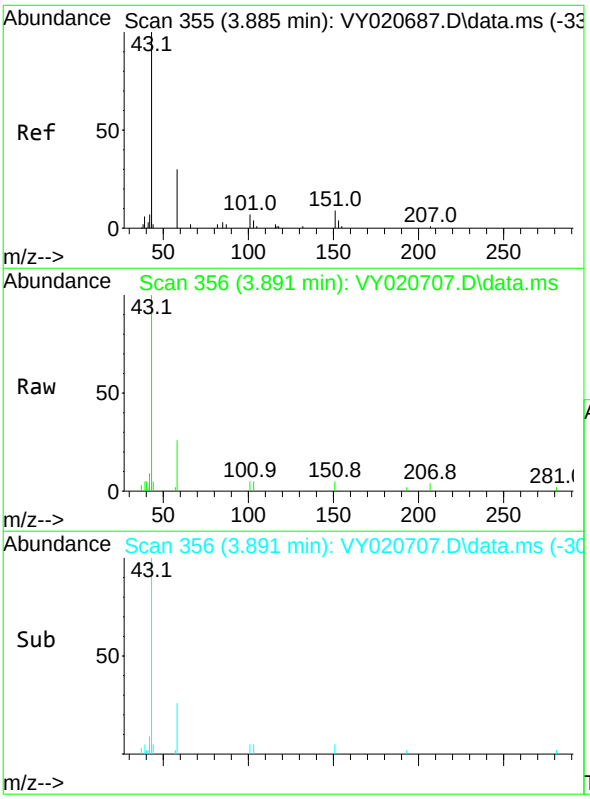
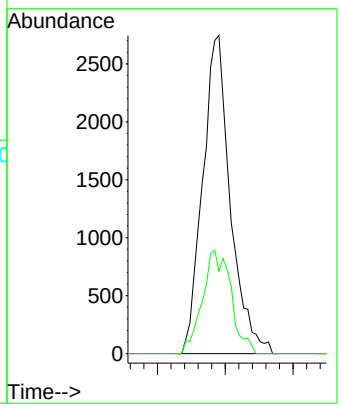
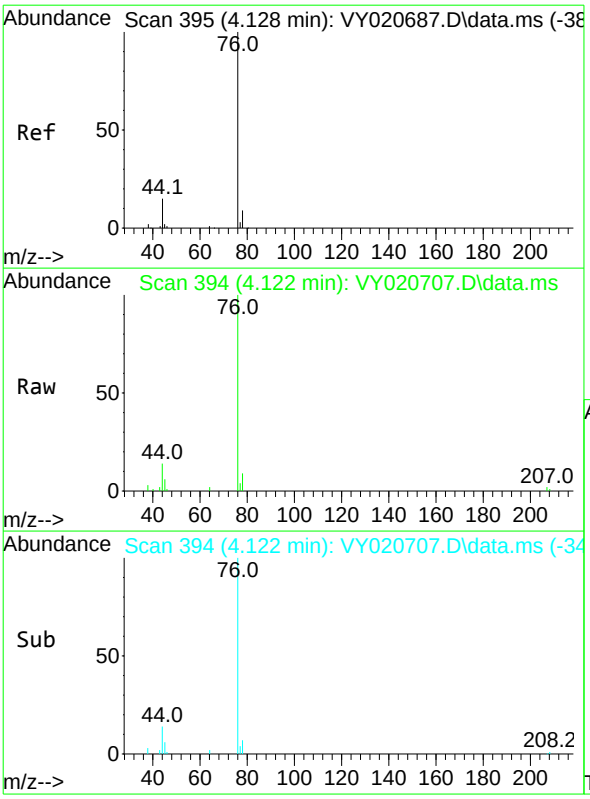


#16
Acetone
Concen: 65.764 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 43 Resp: 7777

Ion	Ratio	Lower	Upper
43	100		
58	26.0	25.0	37.6

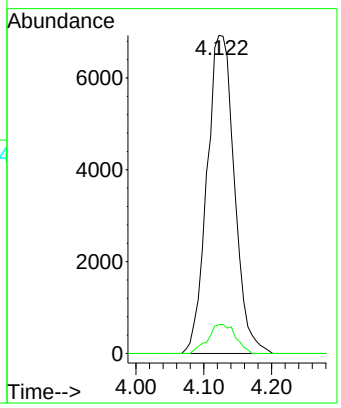




#17
Carbon Disulfide
Concen: 10.187 ug/l
RT: 4.122 min Scan# 39
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 76 Resp: 19437

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.9	10.3



Instrument :
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ClientSampleId :
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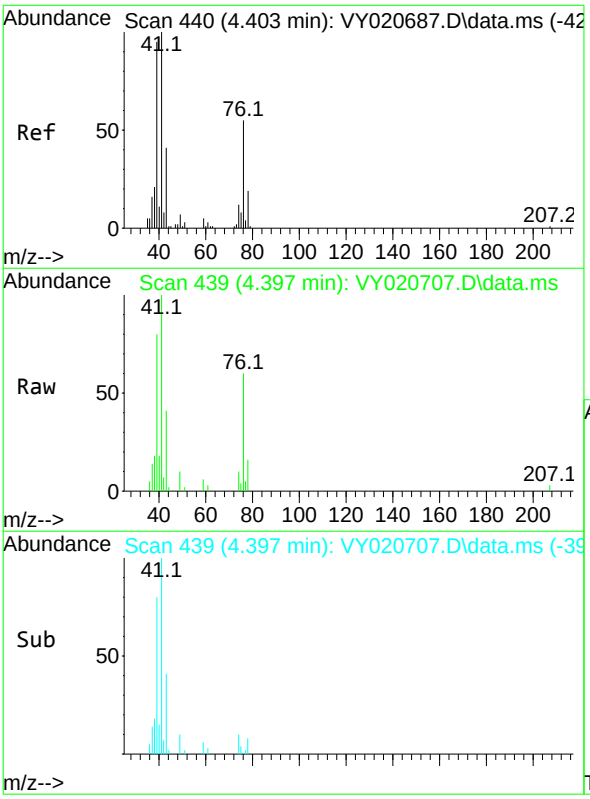
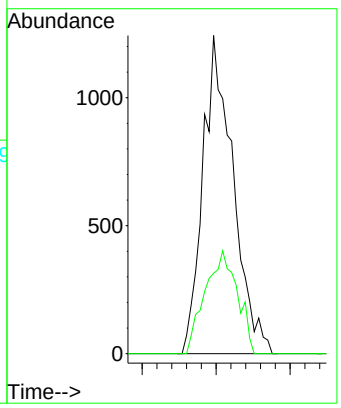
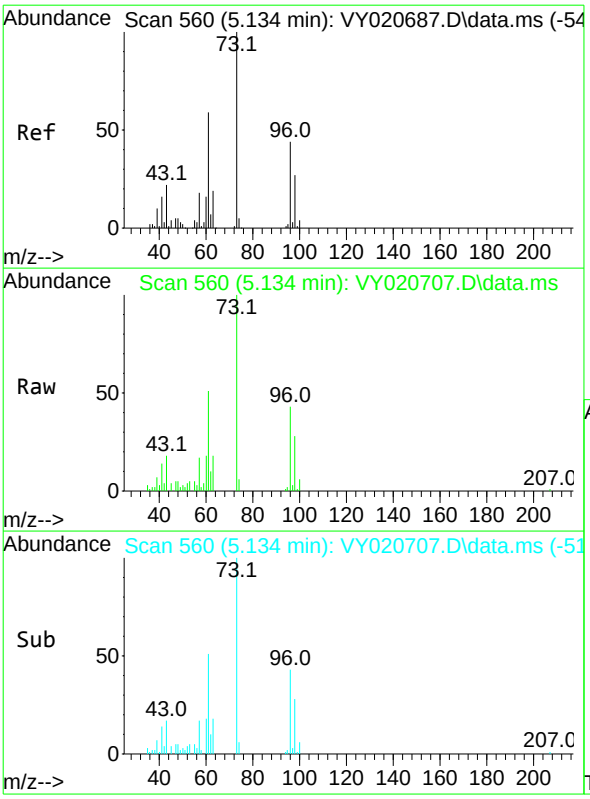


#18
Methyl Acetate
Concen: 10.992 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 43 Resp: 3518

Ion	Ratio	Lower	Upper
43	100		
74	34.4	25.3	37.9

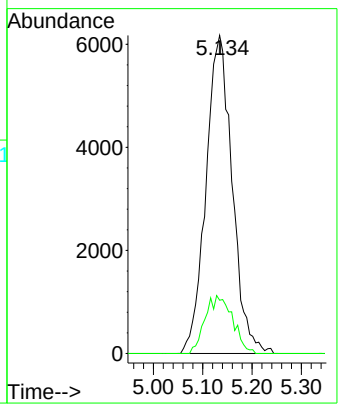




#19
Methyl tert-butyl Ether
Concen: 10.545 ug/l
RT: 5.134 min Scan# 56
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 73 Resp: 22860

Ion	Ratio	Lower	Upper
73	100		
57	16.7	14.4	21.6



Instrument :
MSVOA_Y
ClientSampleId :
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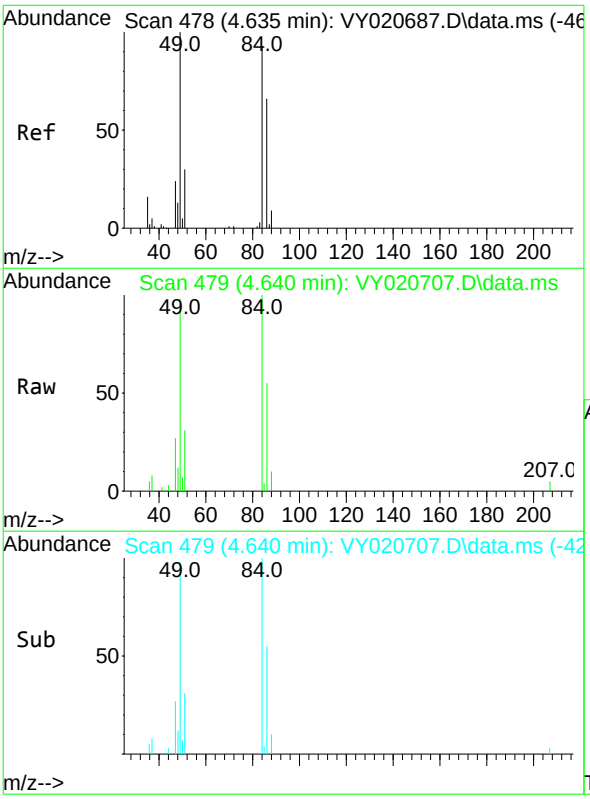
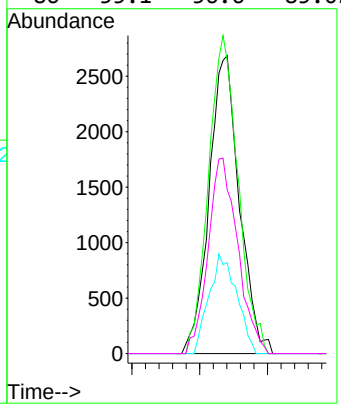
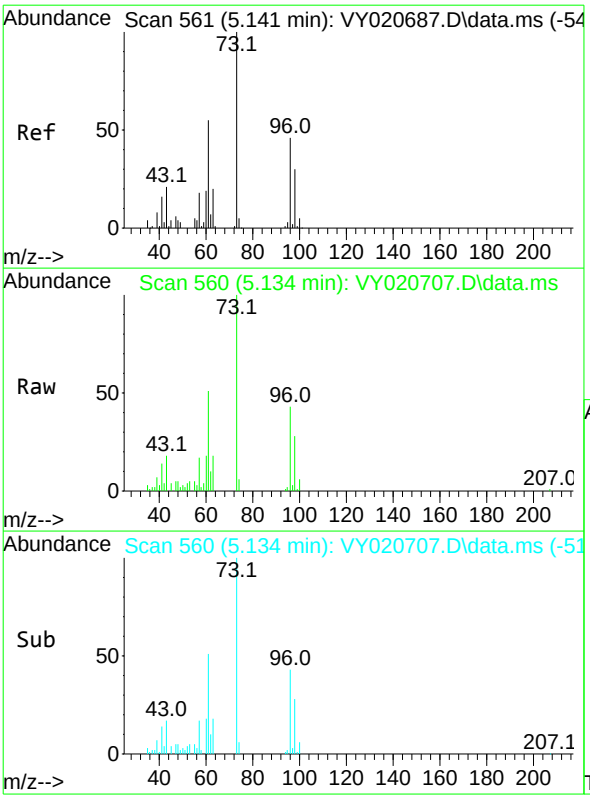


#20
Methylene Chloride
Concen: 10.812 ug/l
RT: 4.640 min Scan# 479
Delta R.T. 0.005 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 84 Resp: 8316

Ion	Ratio	Lower	Upper
84	100		
49	98.3	86.4	129.6
51	30.5	25.5	38.3
86	55.1	56.6	85.0#

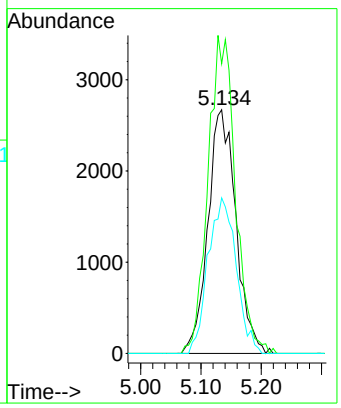




#21
trans-1,2-Dichloroethene
Concen: 10.261 ug/l
RT: 5.134 min Scan# 56
Delta R.T. -0.007 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 96 Resp: 8600

Ion	Ratio	Lower	Upper
96	100		
61	118.9	96.1	144.1
98	63.8	52.7	79.1



Instrument :
MSVOA_Y
ClientSampleId :
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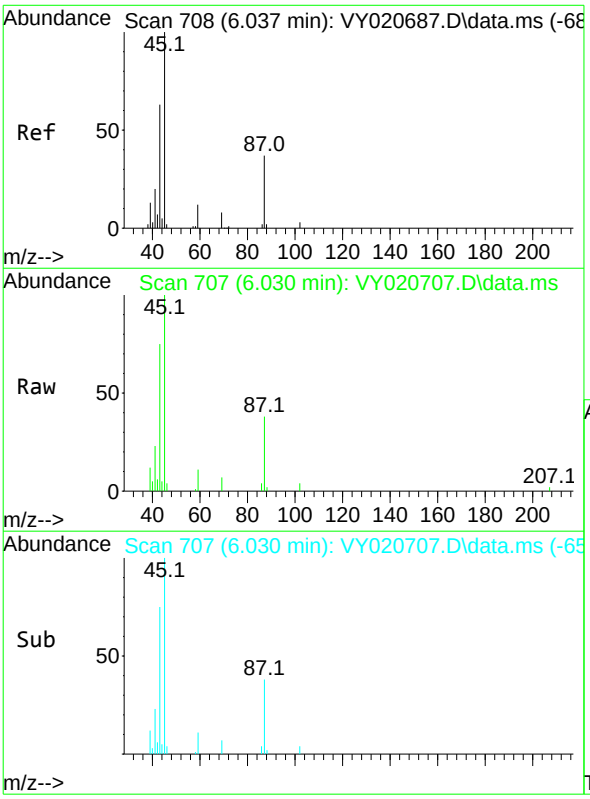
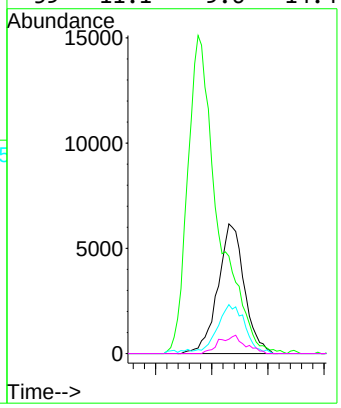
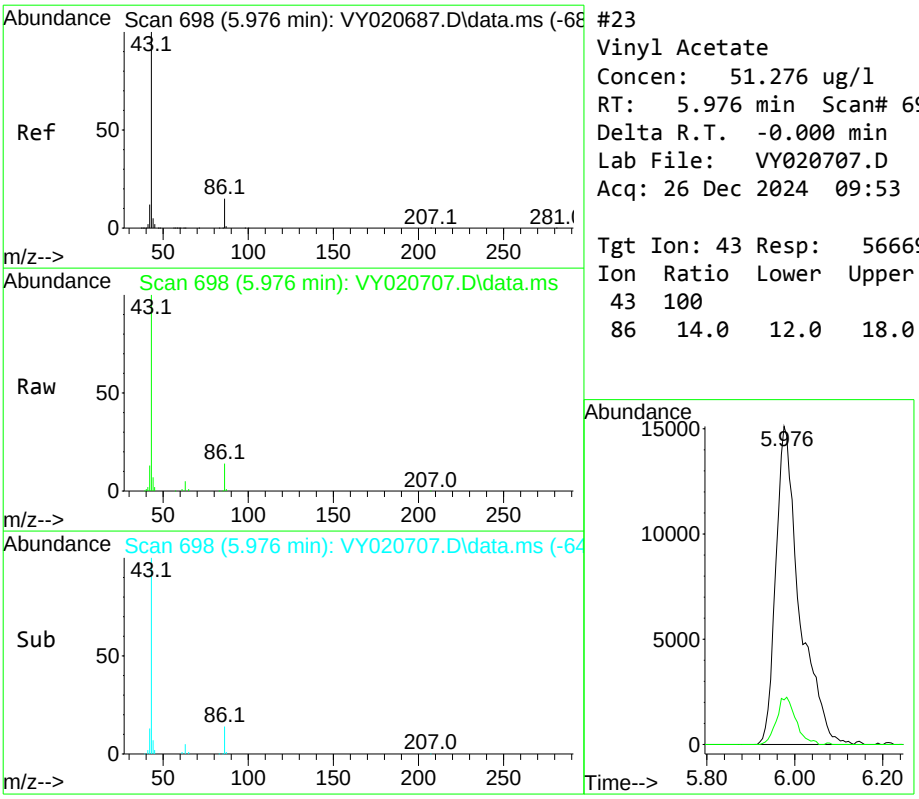


#22
Diisopropyl ether
Concen: 10.869 ug/l
RT: 6.030 min Scan# 707
Delta R.T. -0.007 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 45 Resp: 20110

Ion	Ratio	Lower	Upper
45	100		
43	73.2	51.3	76.9
87	37.8	30.6	46.0
59	11.1	9.6	14.4





#23
Vinyl Acetate
Concen: 51.276 ug/l
RT: 5.976 min Scan# 69
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 43 Resp: 56669

Ion	Ratio	Lower	Upper
43	100		
86	14.0	12.0	18.0

Instrument :
MSVOA_Y
ClientSampleId :
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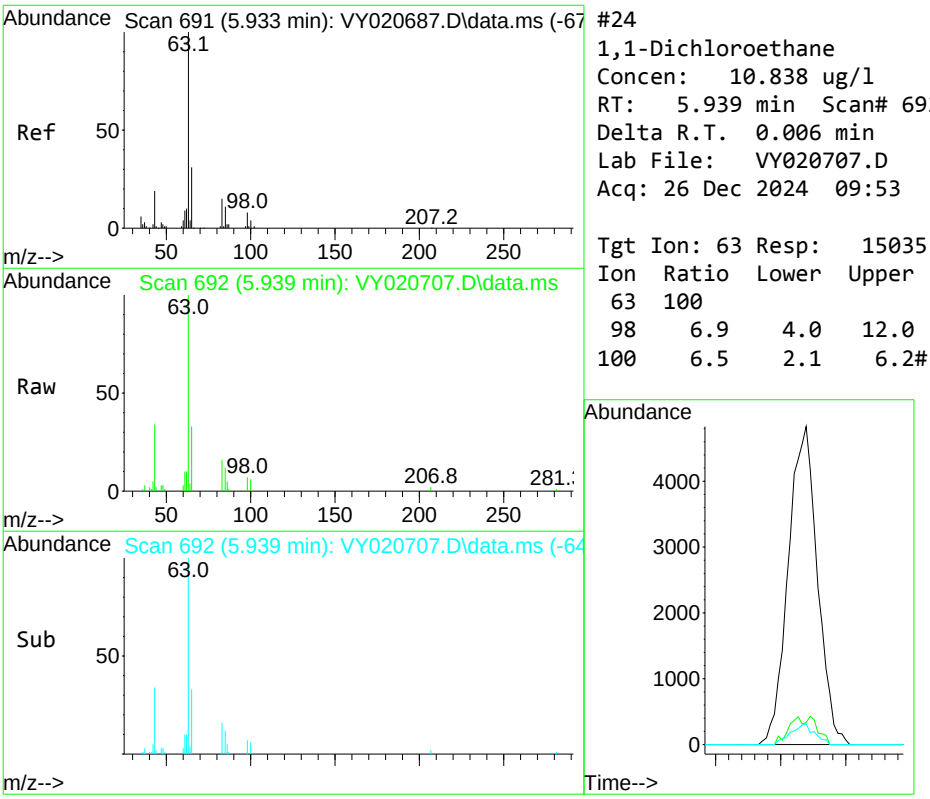
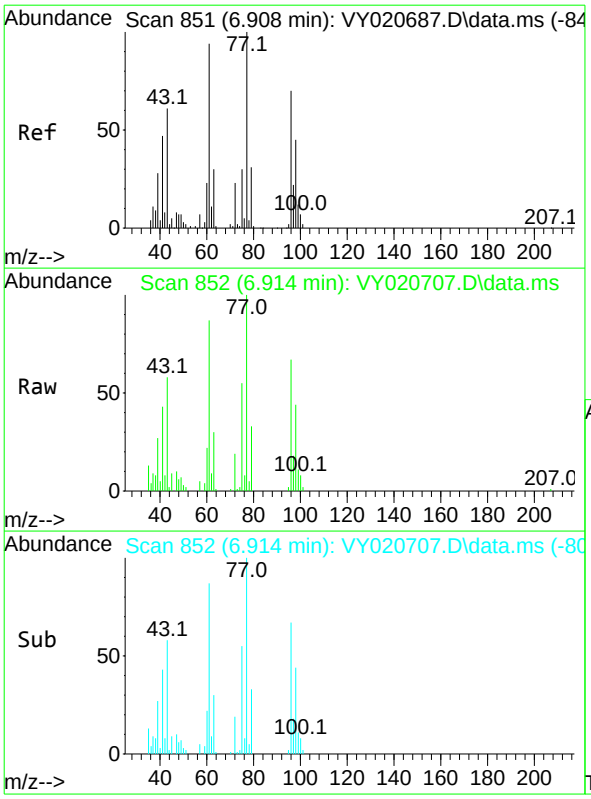


#24
1,1-Dichloroethane
Concen: 10.838 ug/l
RT: 5.939 min Scan# 692
Delta R.T. 0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 63 Resp: 15035

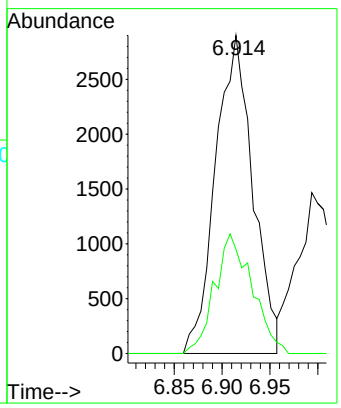
Ion	Ratio	Lower	Upper
63	100		
98	6.9	4.0	12.0
100	6.5	2.1	6.2#



#25
2-Butanone
Concen: 49.191 ug/l
RT: 6.914 min Scan# 85
Delta R.T. 0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 43 Resp: 7858

Ion	Ratio	Lower	Upper
43	100		
72	32.7	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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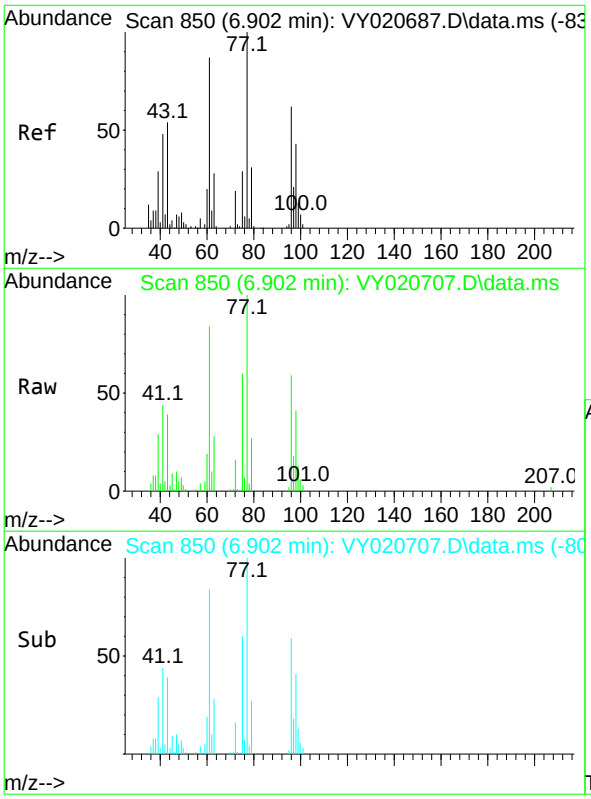
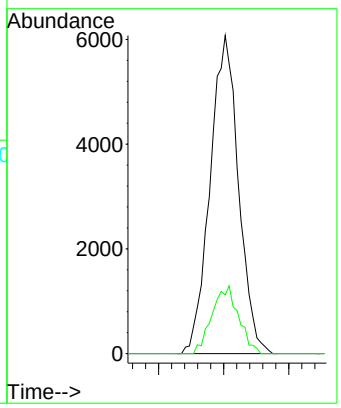
Supervised By :Semsettin Yesilyurt 12/27/2024

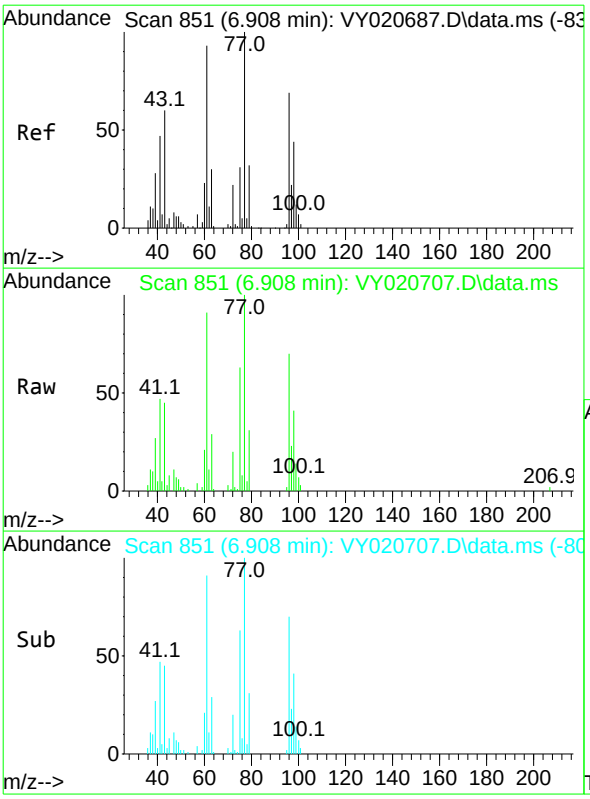


#26
2,2-Dichloropropane
Concen: 10.868 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 77 Resp: 18453

Ion	Ratio	Lower	Upper
77	100		
97	19.8	10.8	32.4





#27
cis-1,2-Dichloroethene
Concen: 10.425 ug/l
RT: 6.908 min Scan# 85
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 96 Resp: 10464

Ion	Ratio	Lower	Upper
96	100		
61	135.6	0.0	277.2
98	66.9	0.0	131.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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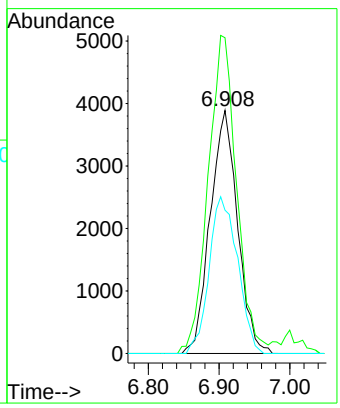
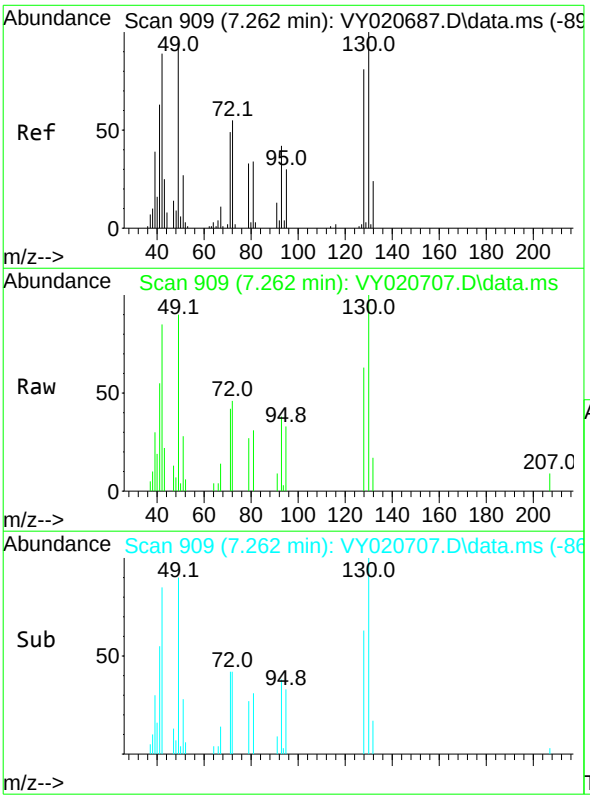
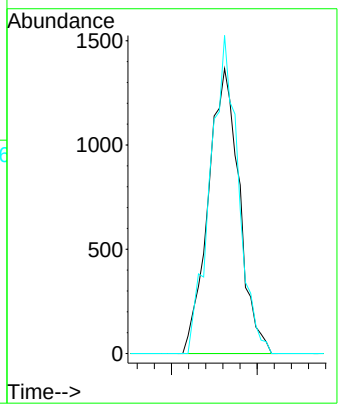


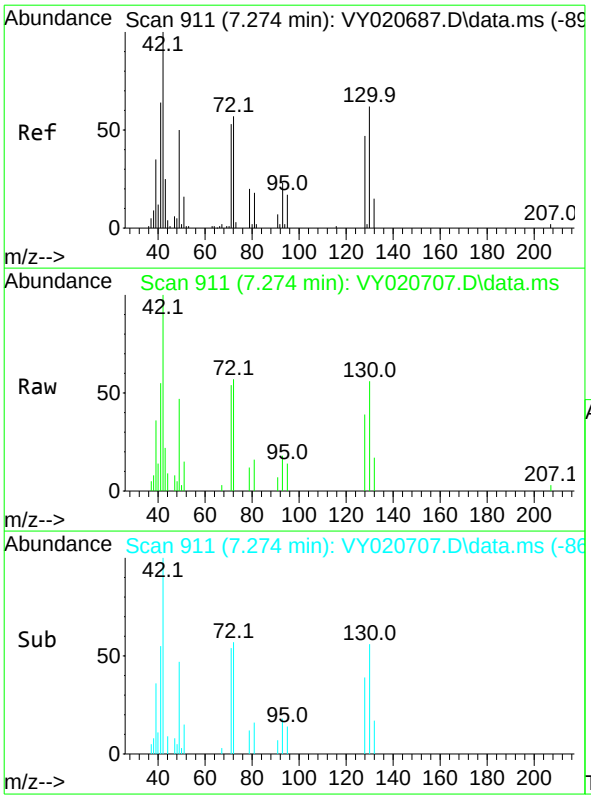


#28
Bromochloromethane
Concen: 9.369 ug/l
RT: 7.262 min Scan# 909
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 49 Resp: 3437

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.4
130	101.0	87.2	130.8

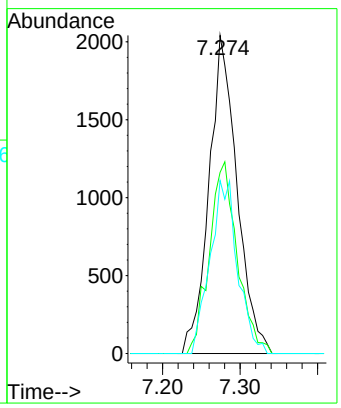




#29
Tetrahydrofuran
Concen: 52.267 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 42 Resp: 5125

Ion	Ratio	Lower	Upper
42	100		
72	60.2	47.4	71.0
71	53.4	42.8	64.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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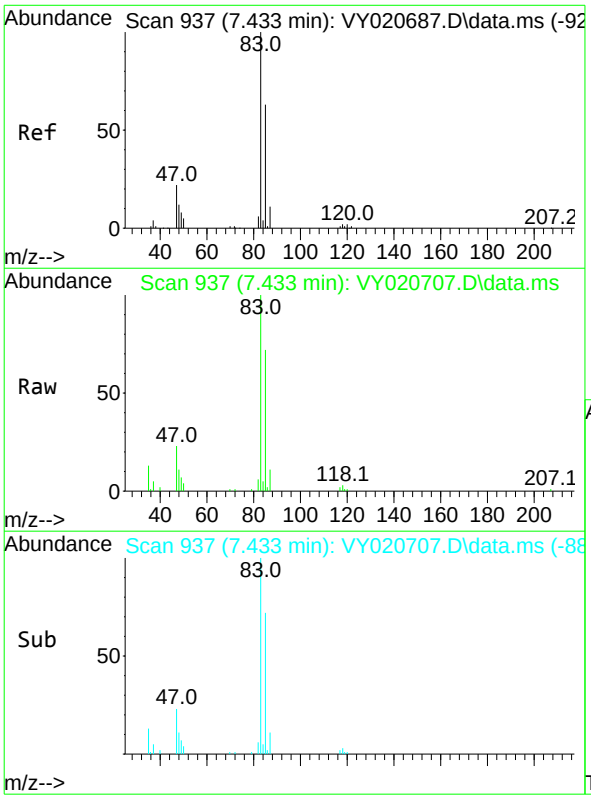
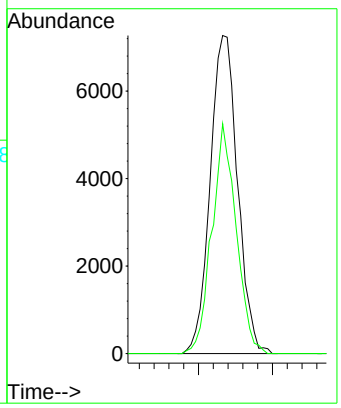
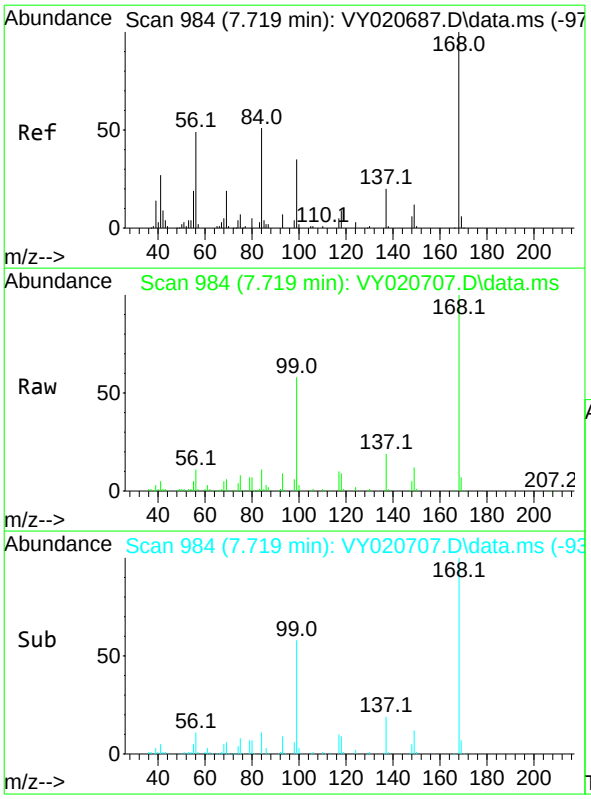


#30
Chloroform
Concen: 10.474 ug/l
RT: 7.433 min Scan# 937
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 83 Resp: 18692

Ion	Ratio	Lower	Upper
83	100		
85	72.2	50.2	75.2

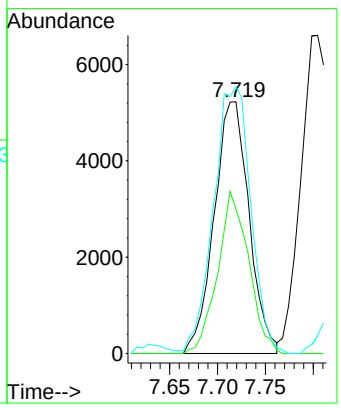




#31
Cyclohexane
Concen: 11.072 ug/l
RT: 7.719 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 56 Resp: 13258

Ion	Ratio	Lower	Upper
56	100		
69	57.3	31.3	46.9#
84	104.8	83.9	125.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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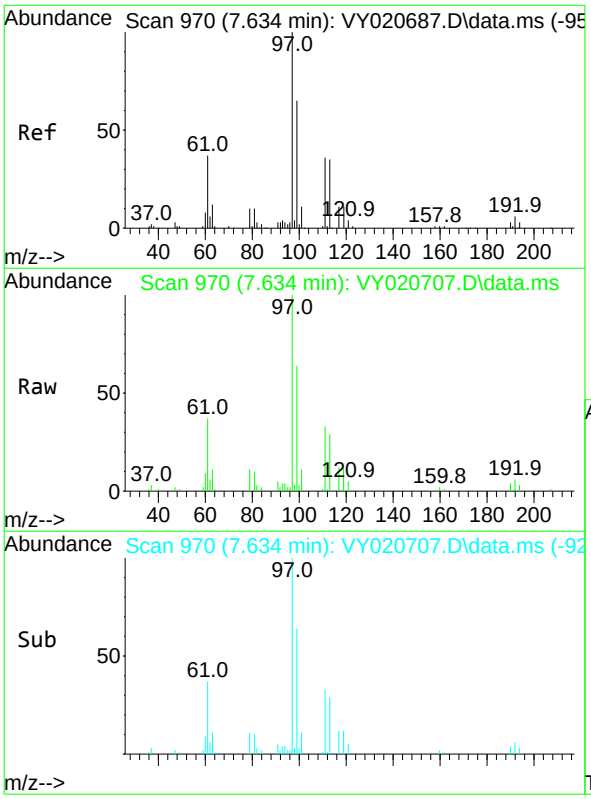
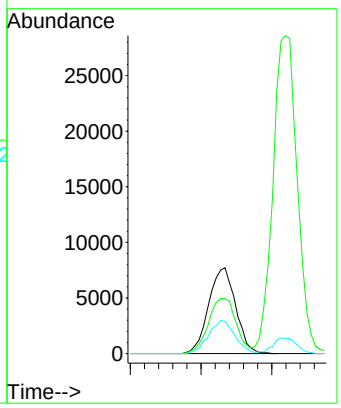
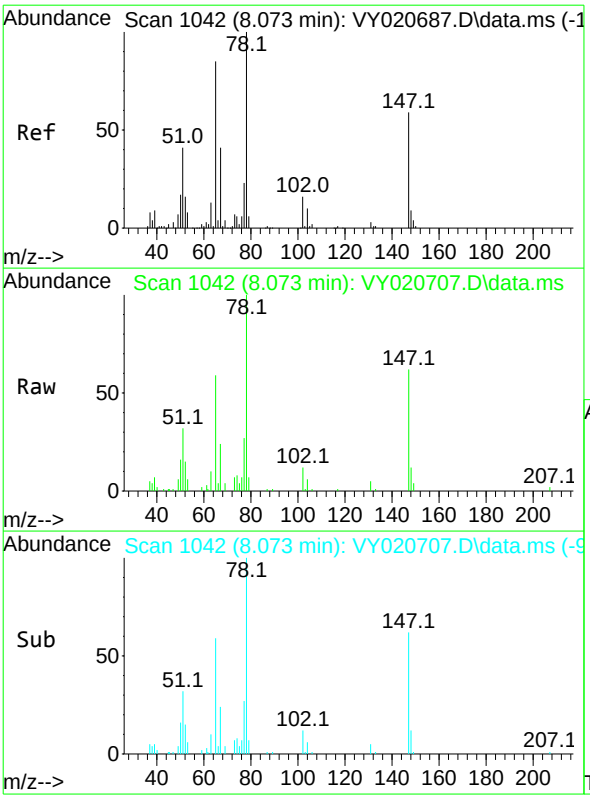


#32
1,1,1-Trichloroethane
Concen: 10.668 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 97 Resp: 20406

Ion	Ratio	Lower	Upper
97	100		
99	66.3	51.0	76.6
61	37.6	30.0	45.0





#33
1,2-Dichloroethane-d4
Concen: 9.814 ug/l
RT: 8.073 min Scan# 10
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 65 Resp: 9148

Ion	Ratio	Lower	Upper
65	100		
67	45.1	0.0	98.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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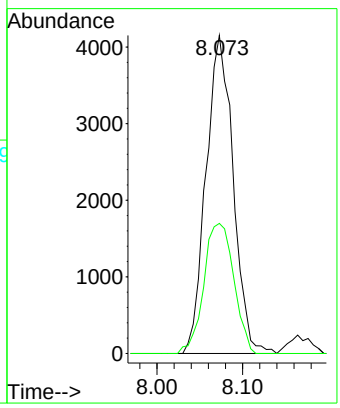
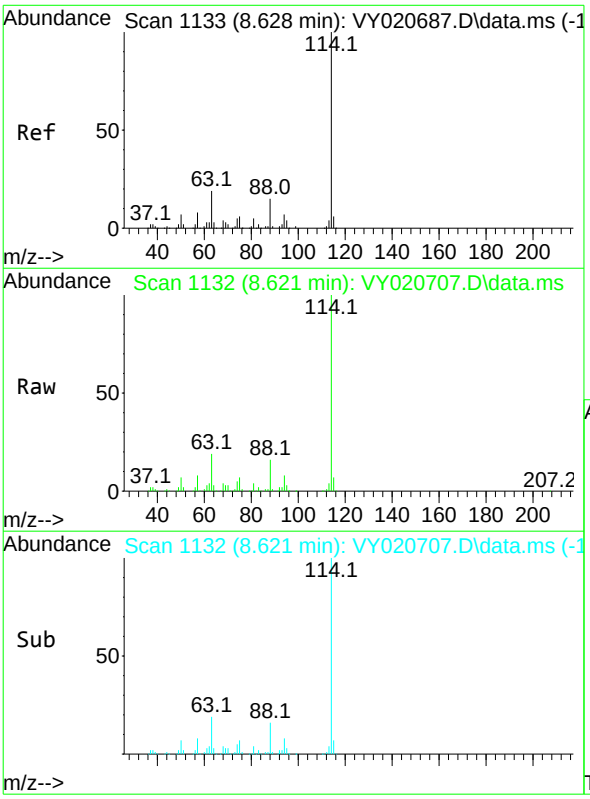
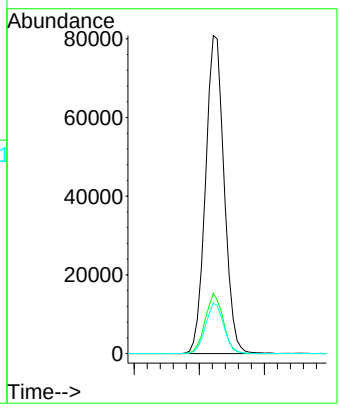


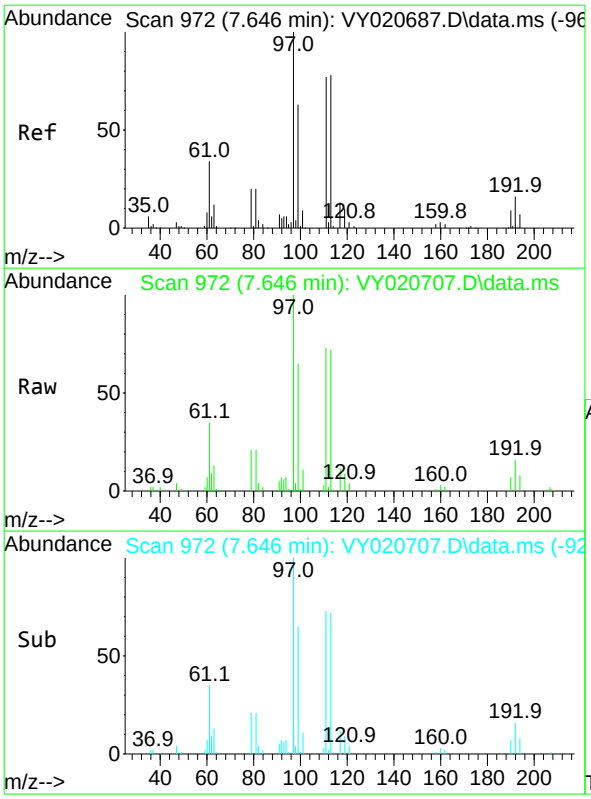


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 1132
Delta R.T. -0.007 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:114 Resp: 160513

Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	38.4
88	16.0	0.0	30.4





#35
Dibromofluoromethane
Concen: 9.966 ug/l
RT: 7.646 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:113 Resp: 8811

Ion	Ratio	Lower	Upper
113	100		
111	101.3	79.8	119.8
192	22.6	17.0	25.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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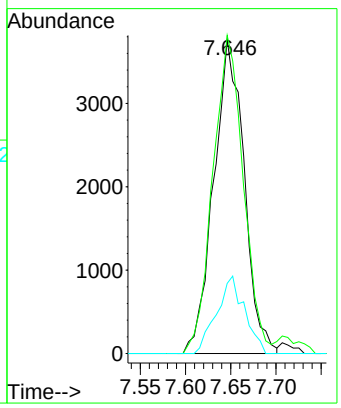
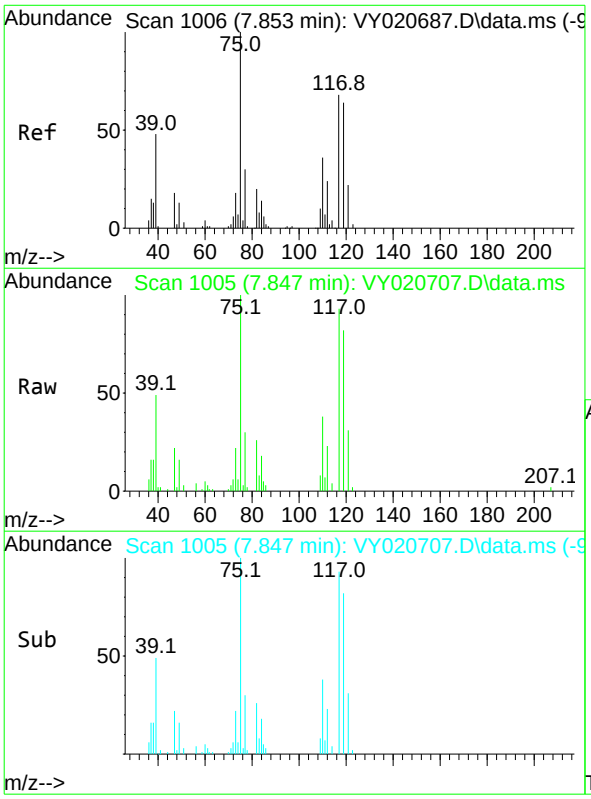
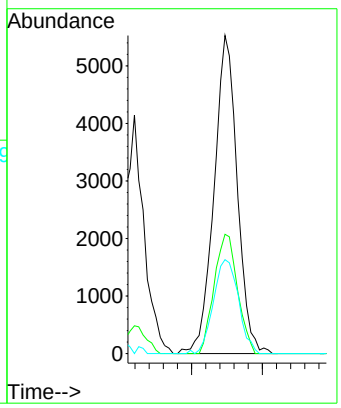


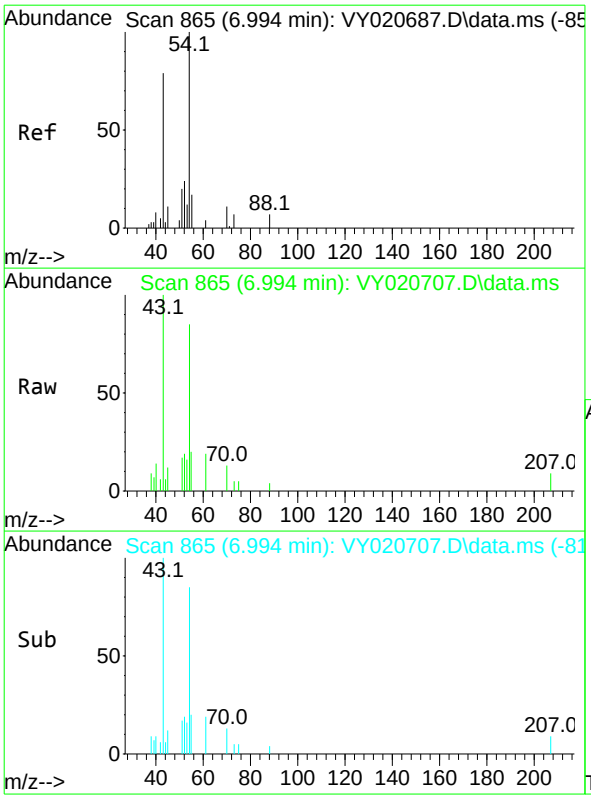


#36
1,1-Dichloropropene
Concen: 10.790 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 75 Resp: 12601

Ion	Ratio	Lower	Upper
75	100		
110	37.7	19.6	58.7
77	31.8	25.1	37.7





#37
Ethyl Acetate
Concen: 9.217 ug/l
RT: 6.994 min Scan# 86
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 43 Resp: 3547

Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.7	17.5
70	13.5	11.0	16.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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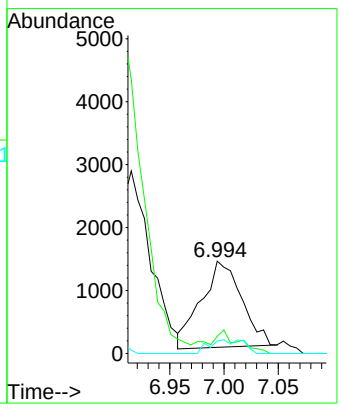
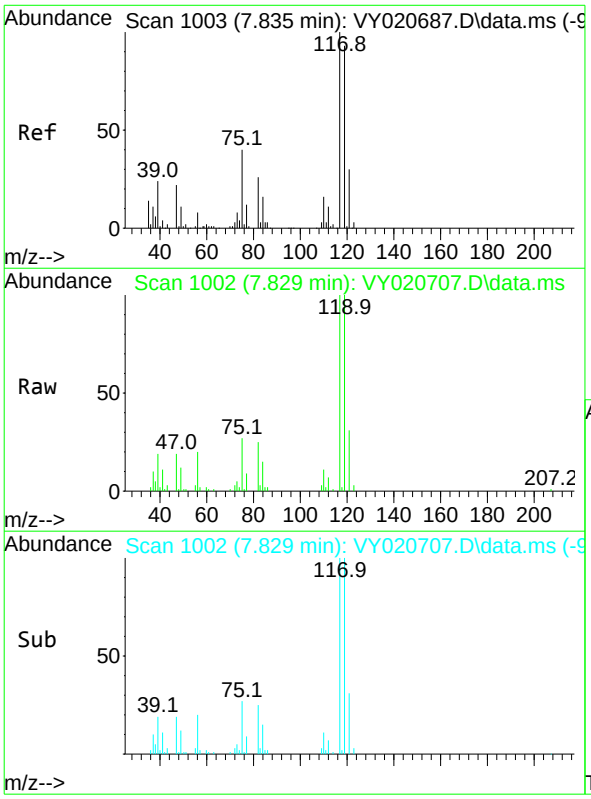
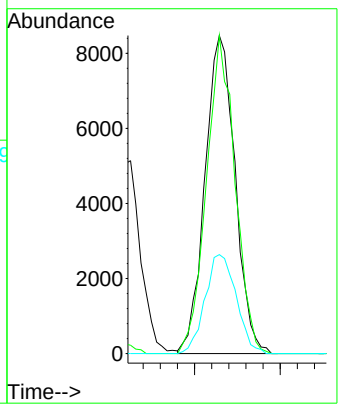


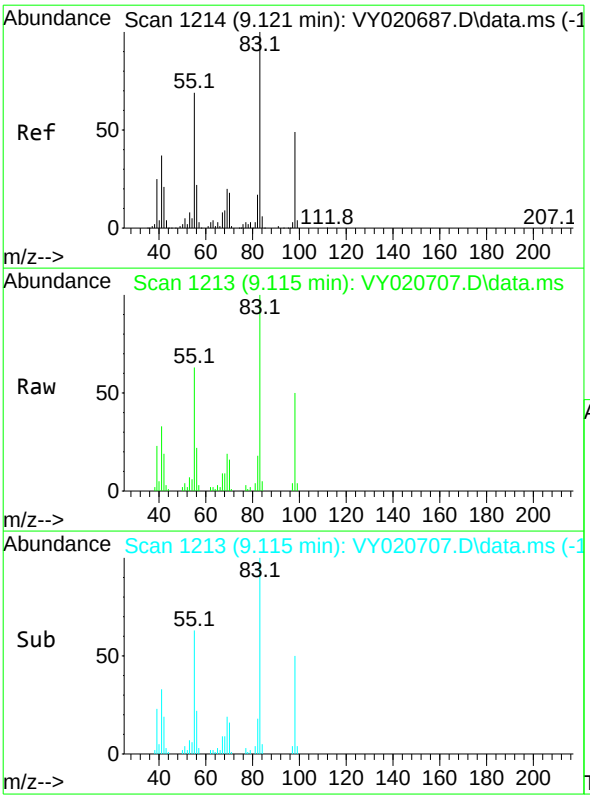


#38
Carbon Tetrachloride
Concen: 10.755 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:117 Resp: 20683

Ion	Ratio	Lower	Upper
117	100		
119	100.0	74.4	111.6
121	31.1	24.2	36.2

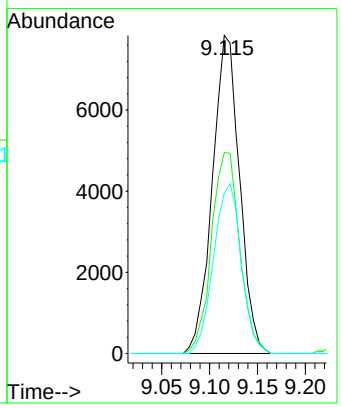




#39
Methylcyclohexane
Concen: 10.353 ug/l
RT: 9.115 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 83 Resp: 15497

Ion	Ratio	Lower	Upper
83	100		
55	63.2	55.0	82.4
98	50.4	39.0	58.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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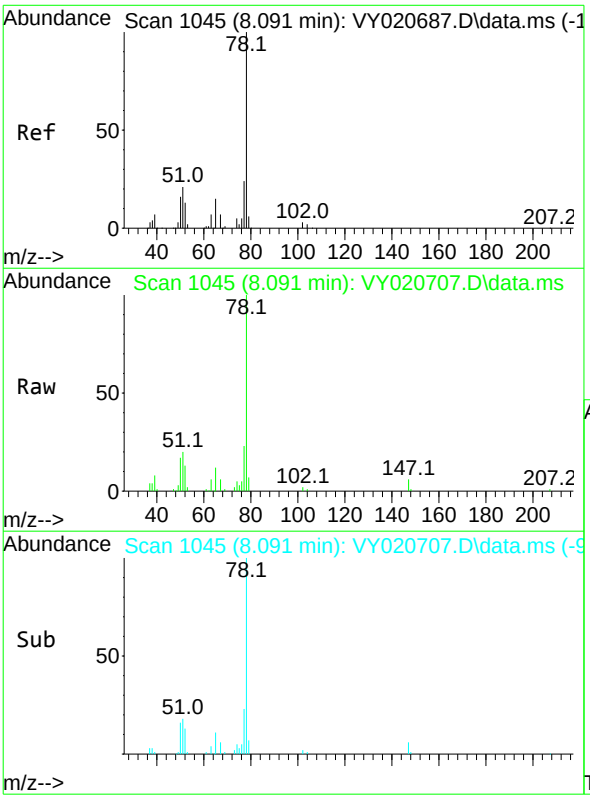
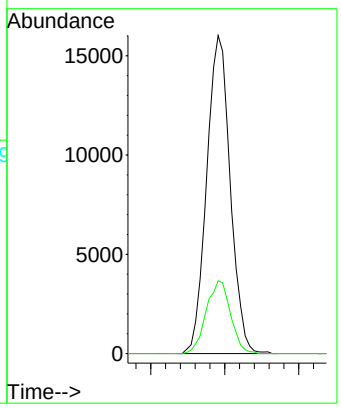
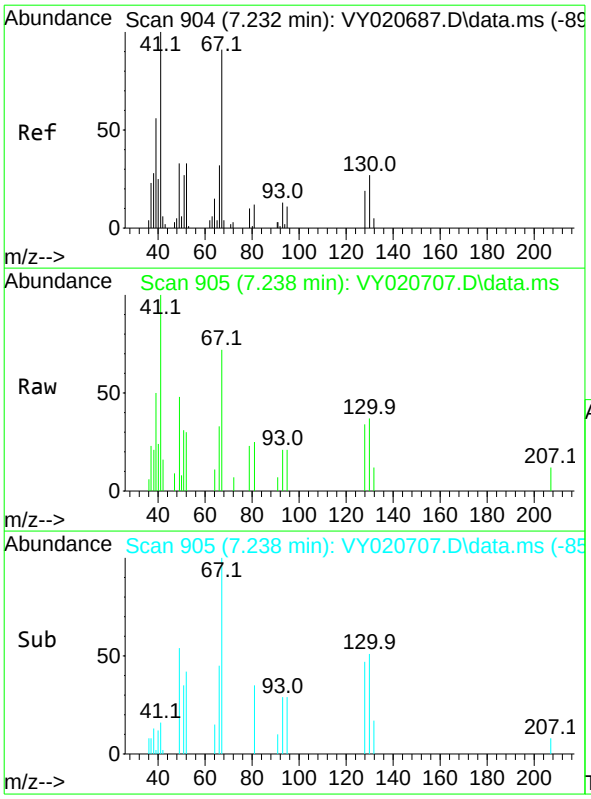


#40
Benzene
Concen: 10.473 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 78 Resp: 35447

Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.2	28.8

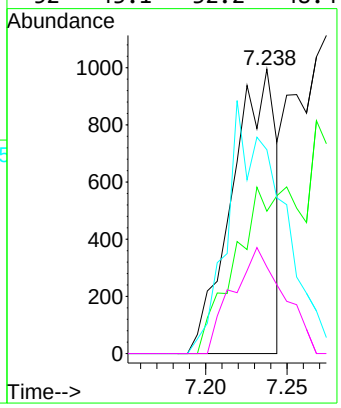




#41
Methacrylonitrile
Concen: 9.650 ug/l
RT: 7.238 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 41 Resp: 1876

Ion	Ratio	Lower	Upper
41	100		
39	0.0	46.6	70.0#
67	108.0	74.7	112.1
52	43.1	32.2	48.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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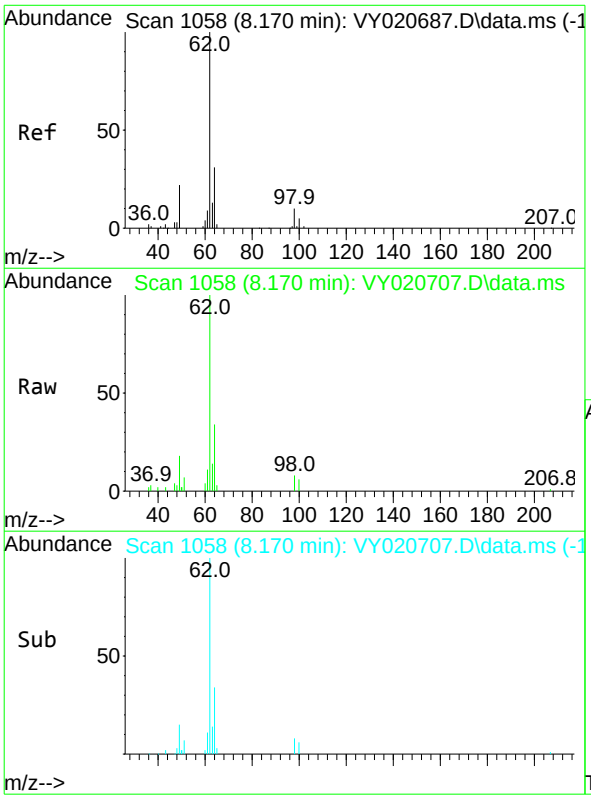
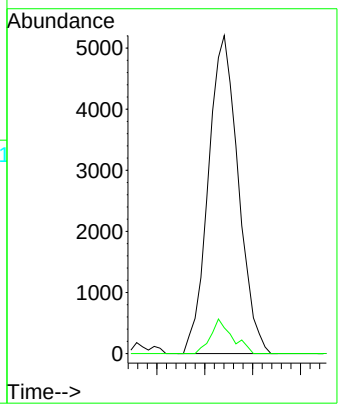
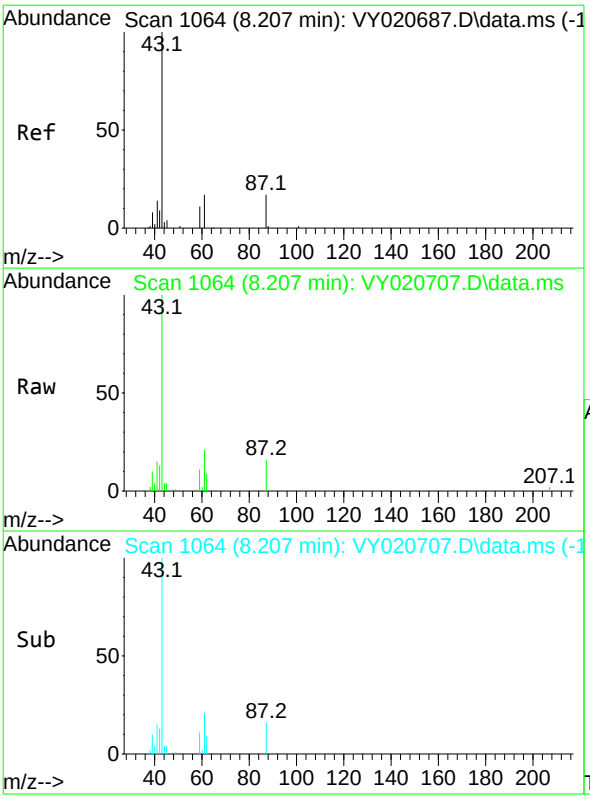


#42
1,2-Dichloroethane
Concen: 10.424 ug/l
RT: 8.170 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 62 Resp: 11313

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	16.6





#43
Isopropyl Acetate
Concen: 9.664 ug/l
RT: 8.207 min Scan# 10
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 43 Resp: 7905

Ion	Ratio	Lower	Upper
43	100		
61	22.6	27.0	40.4#
87	17.3	14.2	21.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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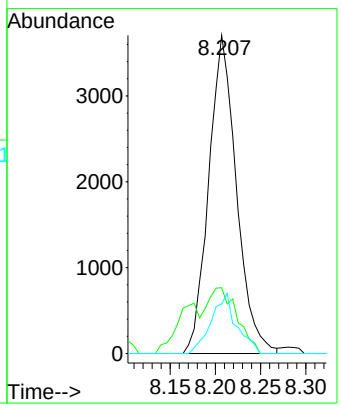
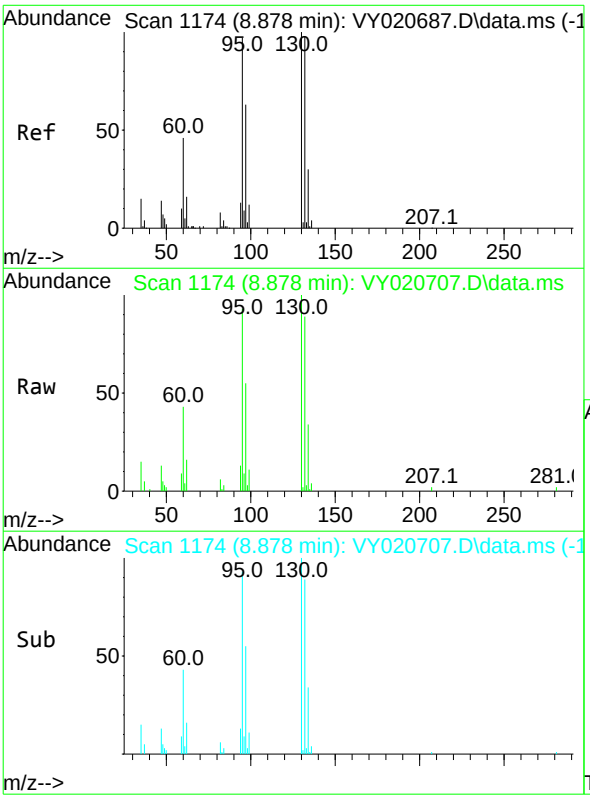
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

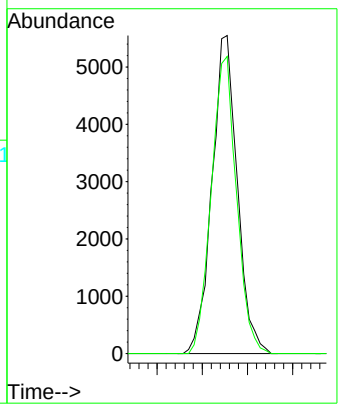


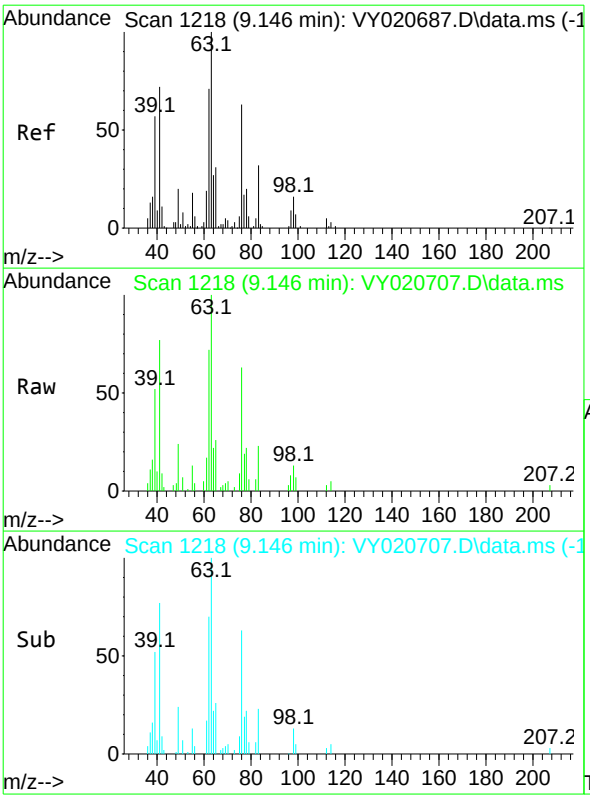


#44
Trichloroethene
Concen: 10.673 ug/l
RT: 8.878 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:130 Resp: 10790

Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	194.8

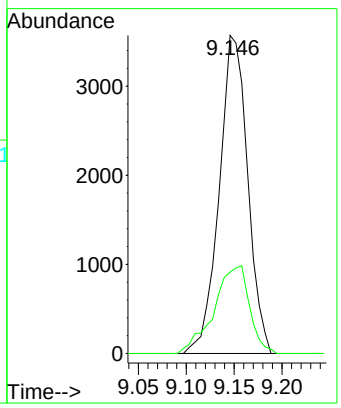




#45
1,2-Dichloropropane
Concen: 10.767 ug/l
RT: 9.146 min Scan# 12
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 63 Resp: 7377

Ion	Ratio	Lower	Upper
63	100		
65	25.6	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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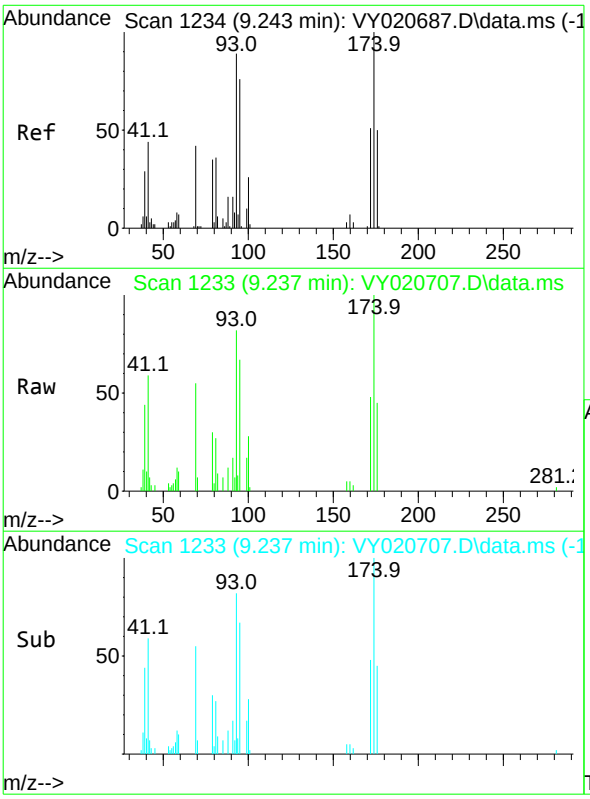
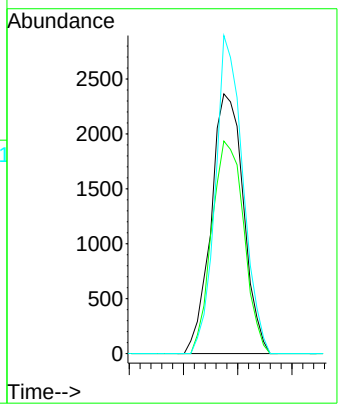
Supervised By :Semsettin Yesilyurt 12/27/2024

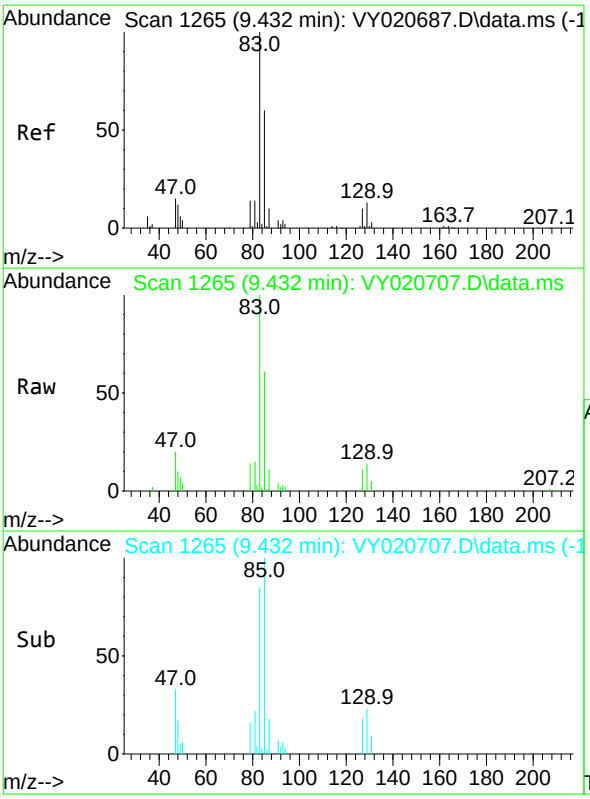


#46
Dibromomethane
Concen: 10.336 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 93 Resp: 4900

Ion	Ratio	Lower	Upper
93	100		
95	80.9	67.8	101.8
174	104.0	89.4	134.0

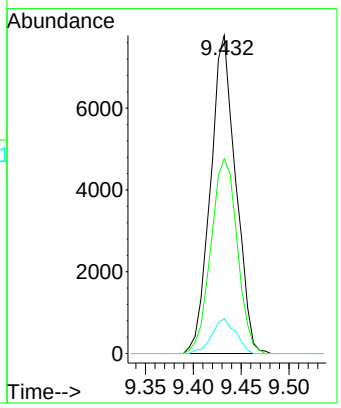




#47
Bromodichloromethane
Concen: 10.599 ug/l
RT: 9.432 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 83 Resp: 14245

Ion	Ratio	Lower	Upper
83	100		
85	61.2	47.6	71.4
127	11.0	7.9	11.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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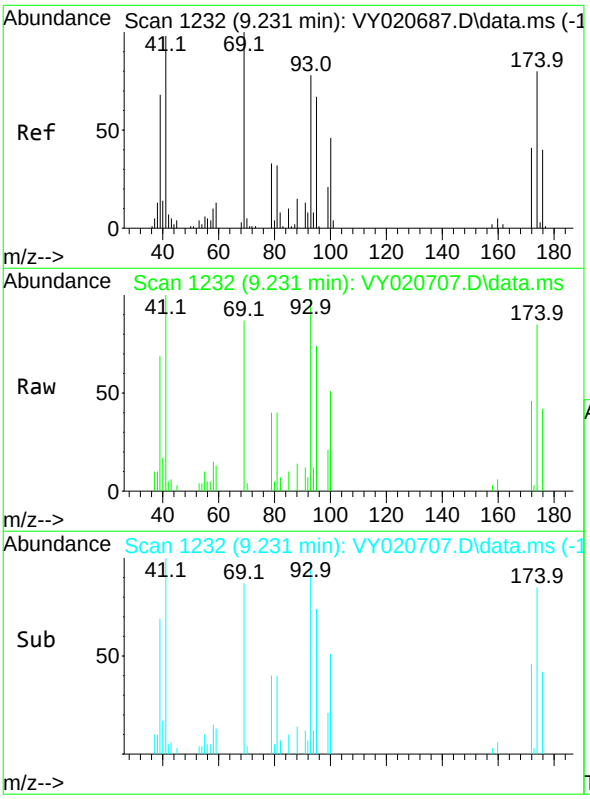
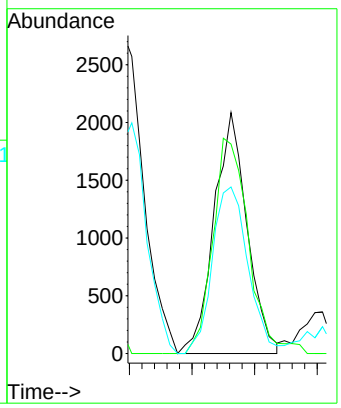
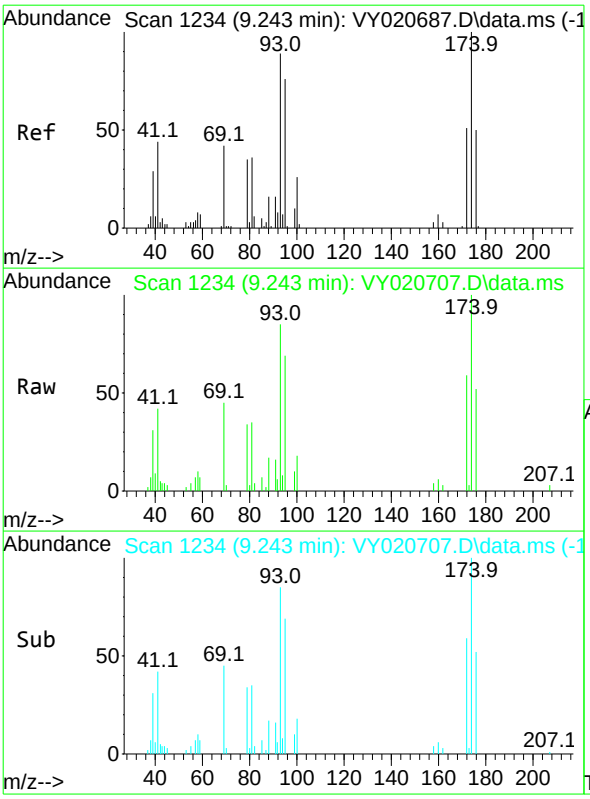


#48
Methyl methacrylate
Concen: 10.018 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 41 Resp: 3827

Ion	Ratio	Lower	Upper
41	100		
69	96.4	83.1	124.7
39	74.5	57.3	85.9

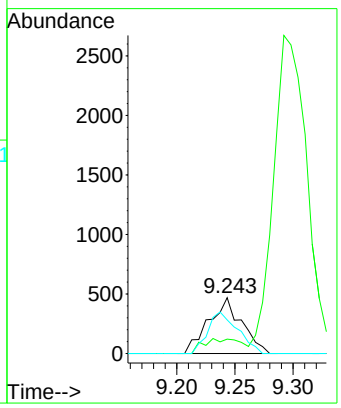




#49
1,4-Dioxane
Concen: 204.624 ug/l
RT: 9.243 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 88 Resp: 924

Ion	Ratio	Lower	Upper
88	100		
43	30.6	22.1	33.1
58	67.9	46.7	70.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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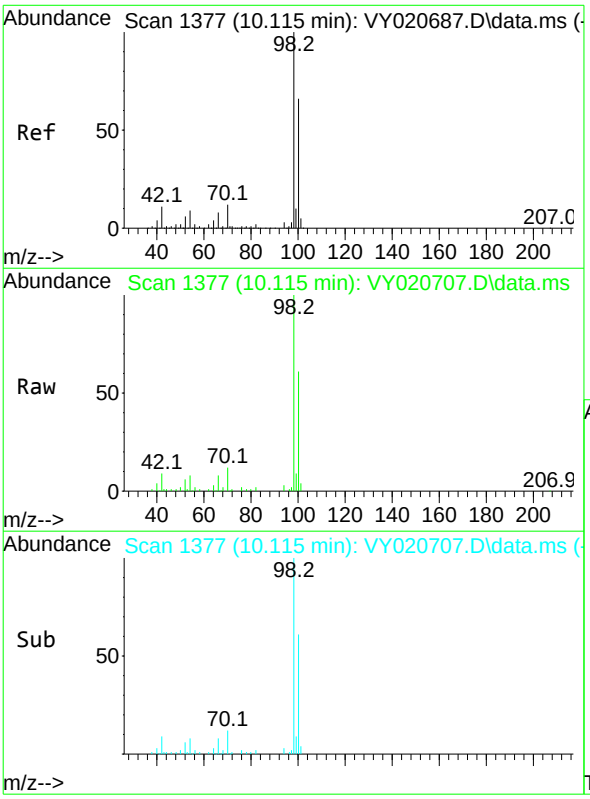
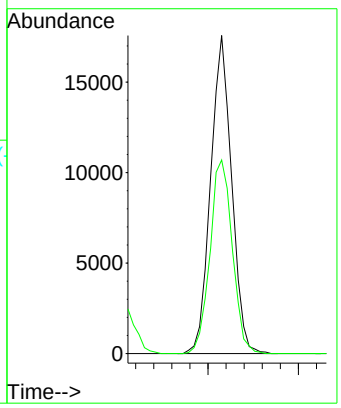
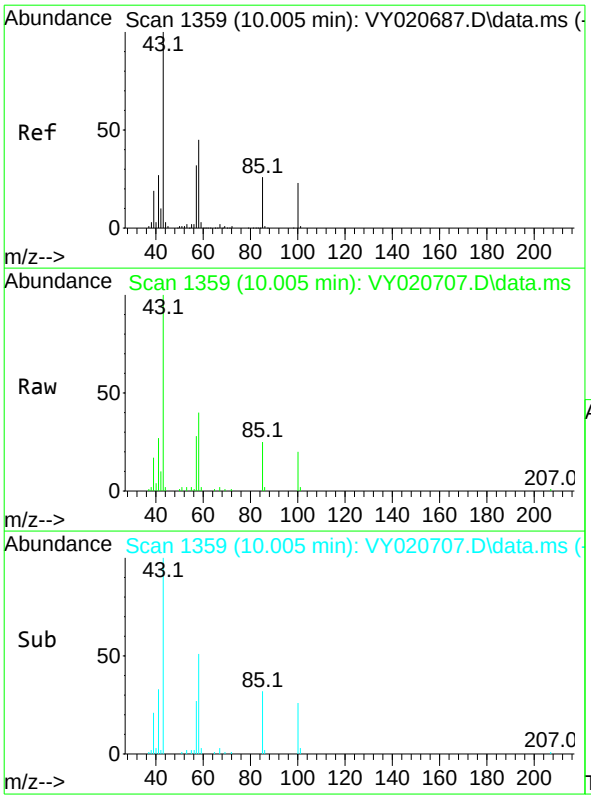


#50
Toluene-d8
Concen: 9.506 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 98 Resp: 28333

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.4

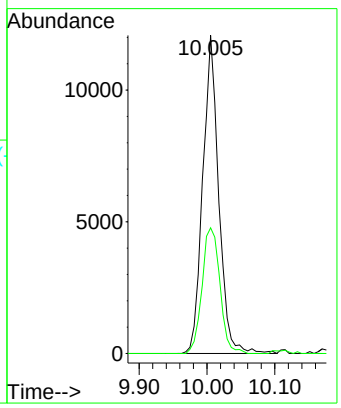




#51
4-Methyl-2-Pentanone
Concen: 49.951 ug/l
RT: 10.005 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 43 Resp: 19722

Ion	Ratio	Lower	Upper
43	100		
58	44.2	35.1	52.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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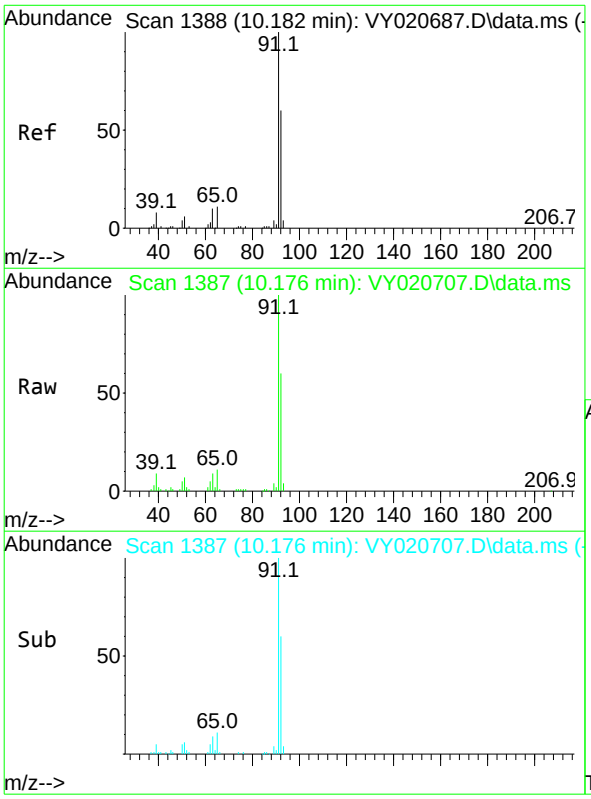
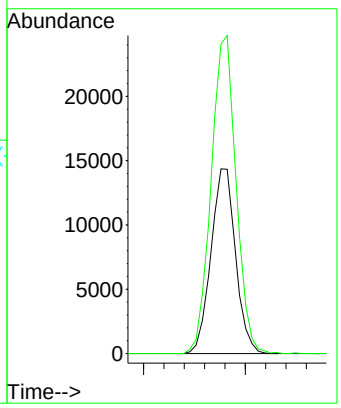
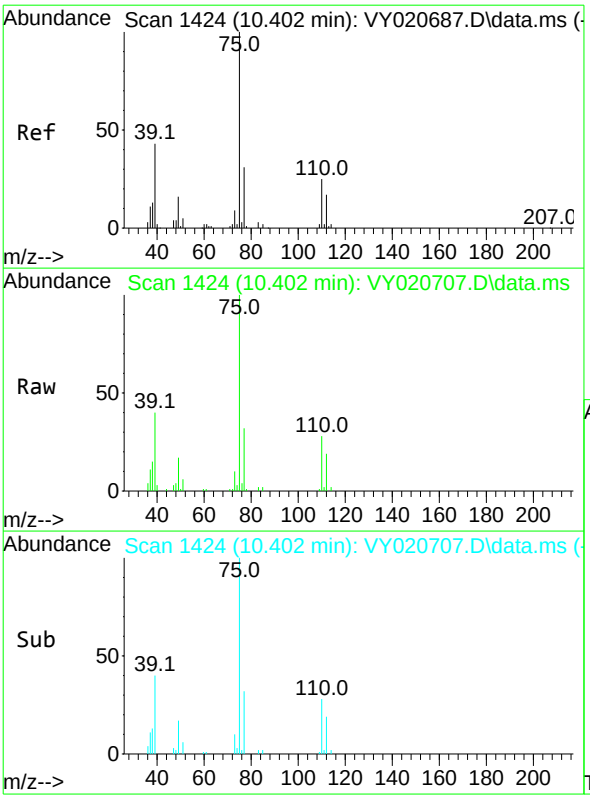


#52
Toluene
Concen: 10.393 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 92 Resp: 24111

Ion	Ratio	Lower	Upper
92	100		
91	174.2	137.7	206.5





#53
t-1,3-Dichloropropene
Concen: 9.942 ug/l
RT: 10.402 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 75 Resp: 11736

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.1	37.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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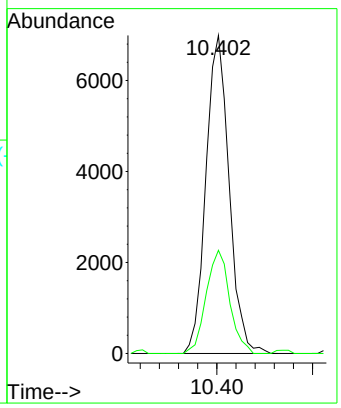
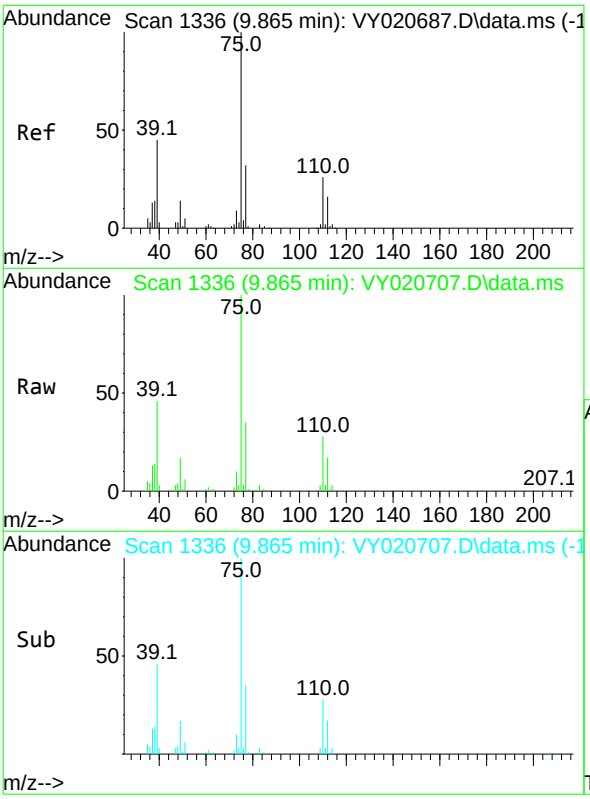
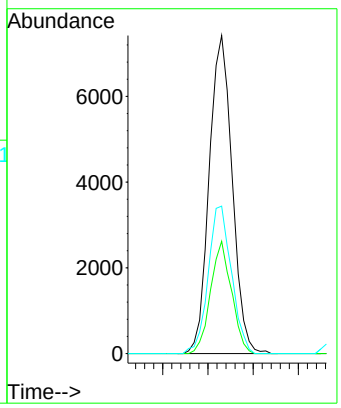


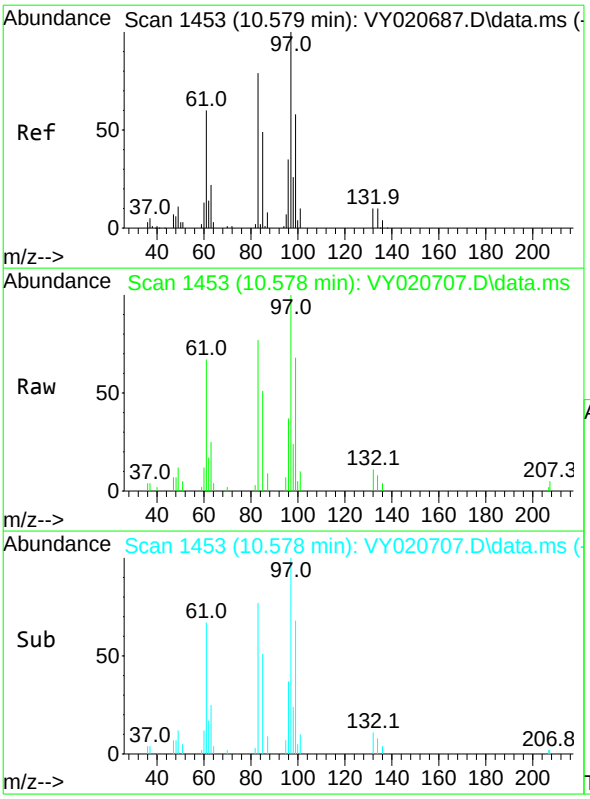


#54
cis-1,3-Dichloropropene
Concen: 10.121 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 75 Resp: 13095

Ion	Ratio	Lower	Upper
75	100		
77	35.3	25.6	38.4
39	46.4	36.2	54.2

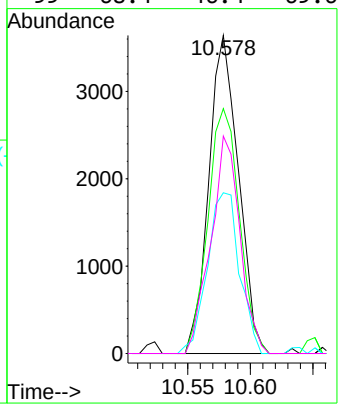




#55
1,1,2-Trichloroethane
Concen: 9.902 ug/l
RT: 10.578 min Scan# 14
Delta R.T. -0.001 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 97 Resp: 5992

Ion	Ratio	Lower	Upper
97	100		
83	77.0	63.1	94.7
85	50.5	39.5	59.3
99	68.4	46.4	69.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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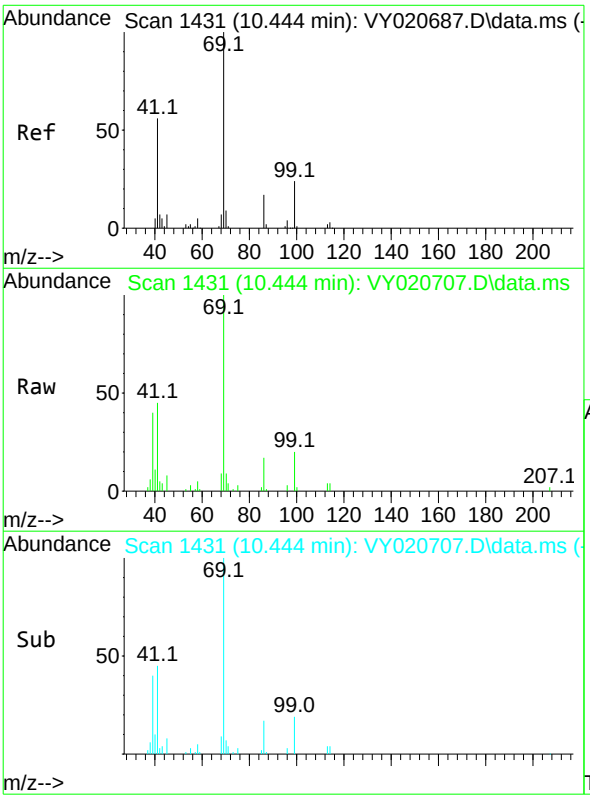
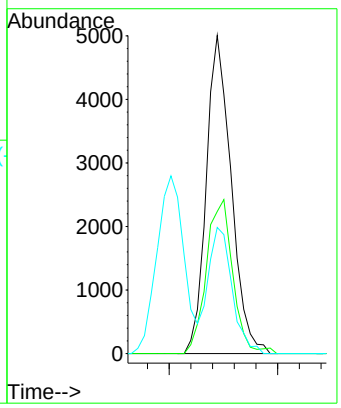
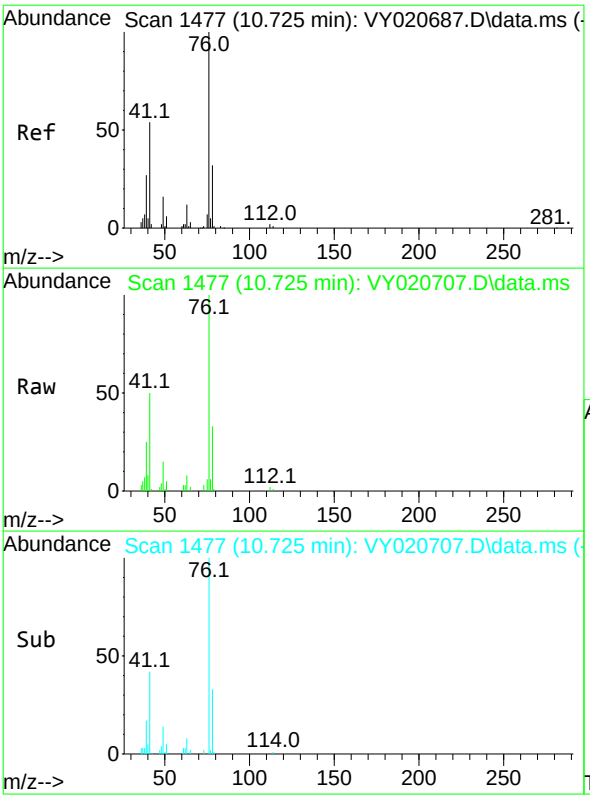


#56
Ethyl methacrylate
Concen: 10.046 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 69 Resp: 7986

Ion	Ratio	Lower	Upper
69	100		
41	51.3	43.8	65.6
39	38.2	32.0	48.0





#57
1,3-Dichloropropane
Concen: 10.137 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 76 Resp: 9956

Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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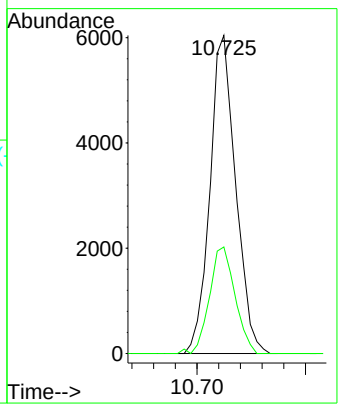
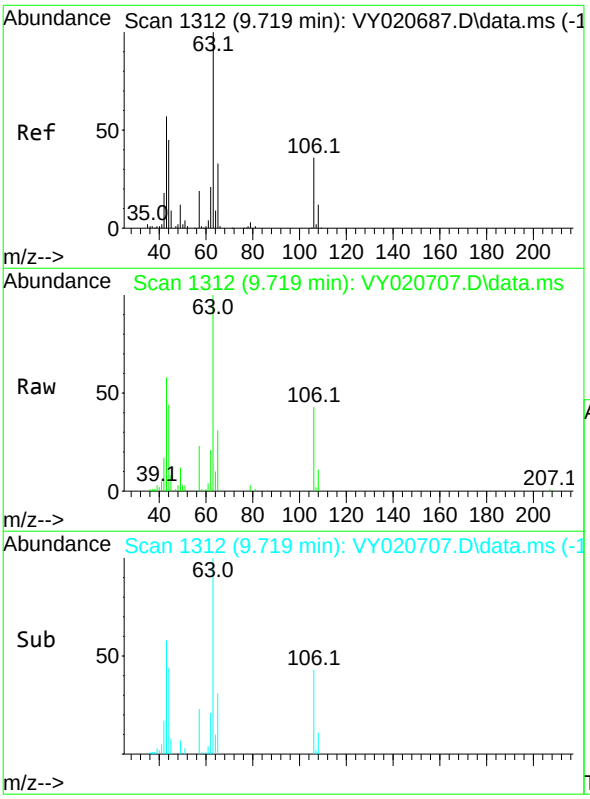
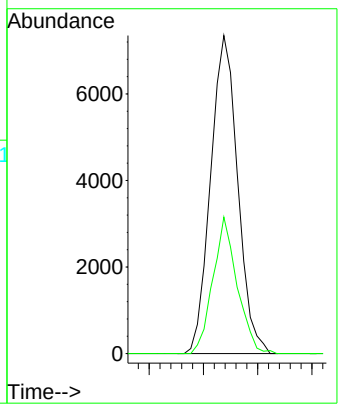


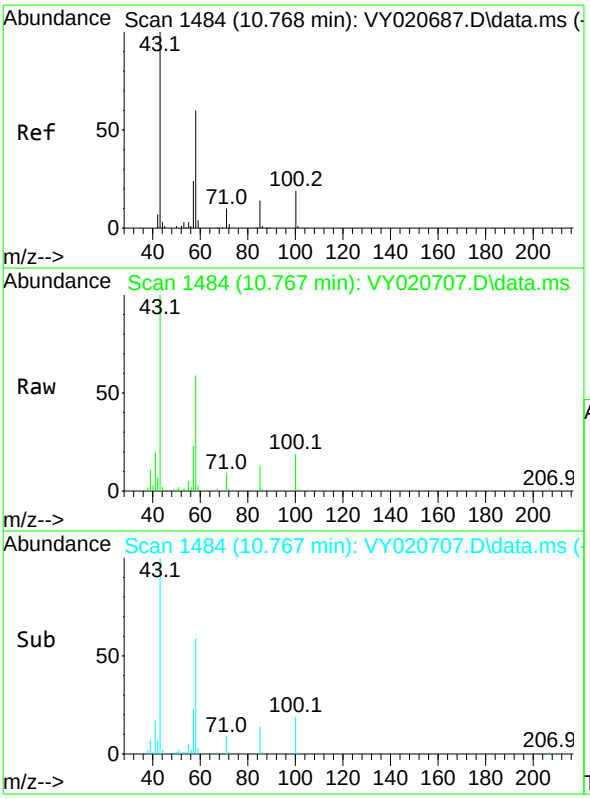


#58
2-Chloroethyl Vinyl ether
Concen: 45.957 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 63 Resp: 12740

Ion	Ratio	Lower	Upper
63	100		
106	38.4	29.1	43.7





#59
2-Hexanone
Concen: 47.628 ug/l
RT: 10.767 min Scan# 14
Delta R.T. -0.001 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 43 Resp: 12416

Ion	Ratio	Lower	Upper
43	100		
58	60.3	30.1	90.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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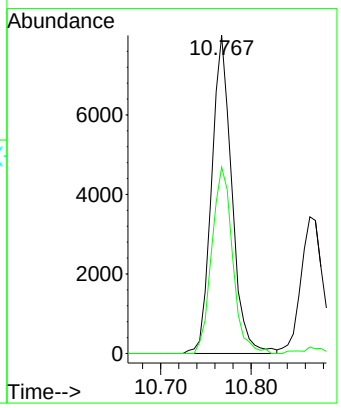
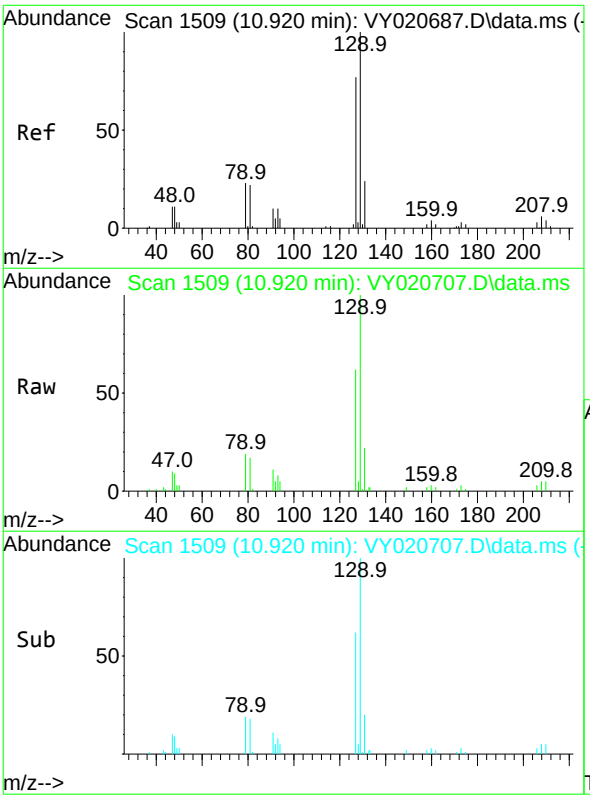
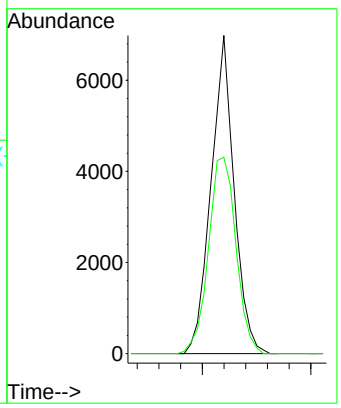


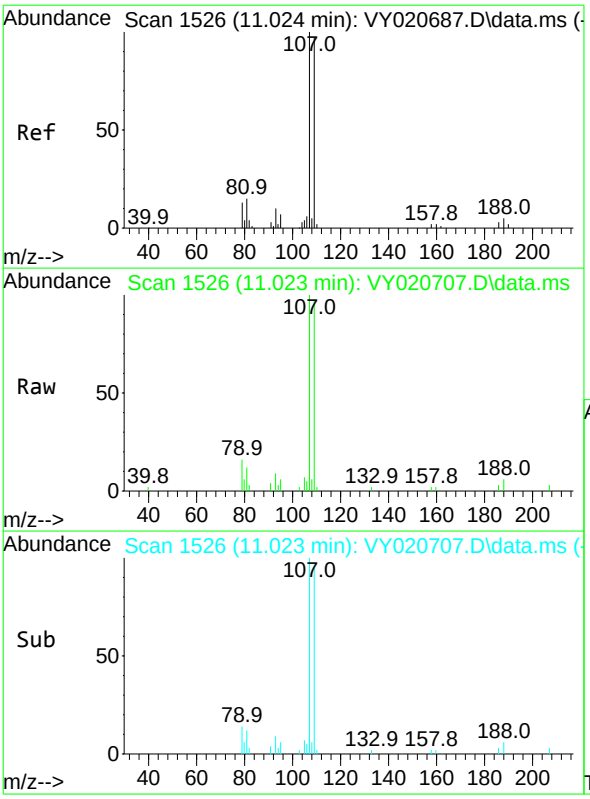


#60
Dibromochloromethane
Concen: 10.554 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:129 Resp: 10320

Ion	Ratio	Lower	Upper
129	100		
127	73.5	38.5	115.5





#61
1,2-Dibromoethane
Concen: 10.067 ug/l
RT: 11.023 min Scan# 15
Delta R.T. -0.001 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:107 Resp: 5732

Ion	Ratio	Lower	Upper
107	100		
109	96.9	75.5	113.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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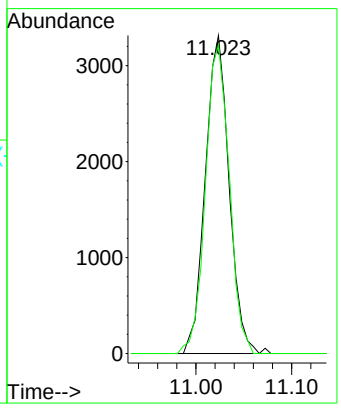
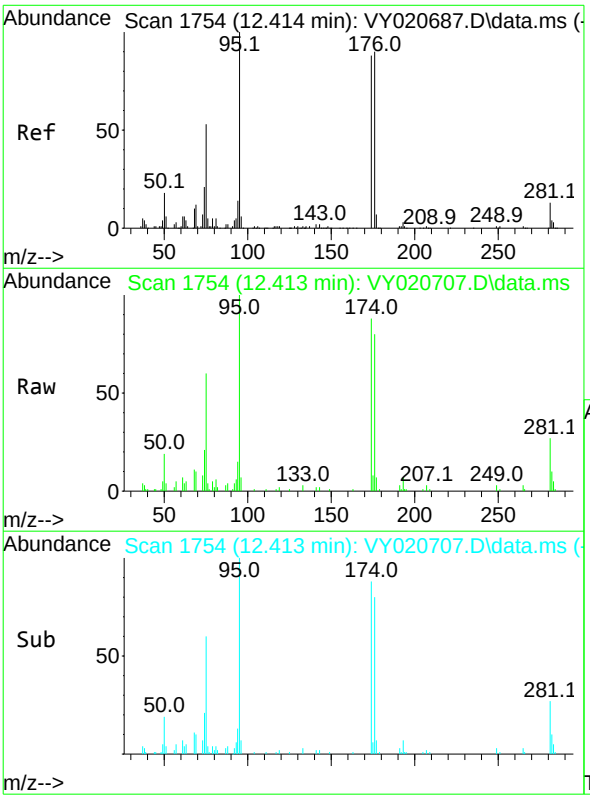
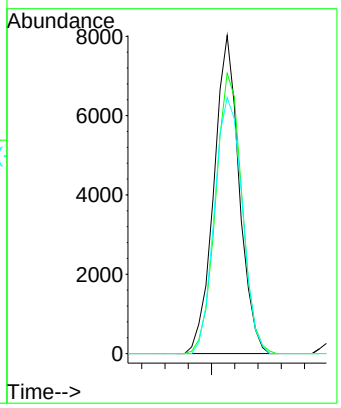


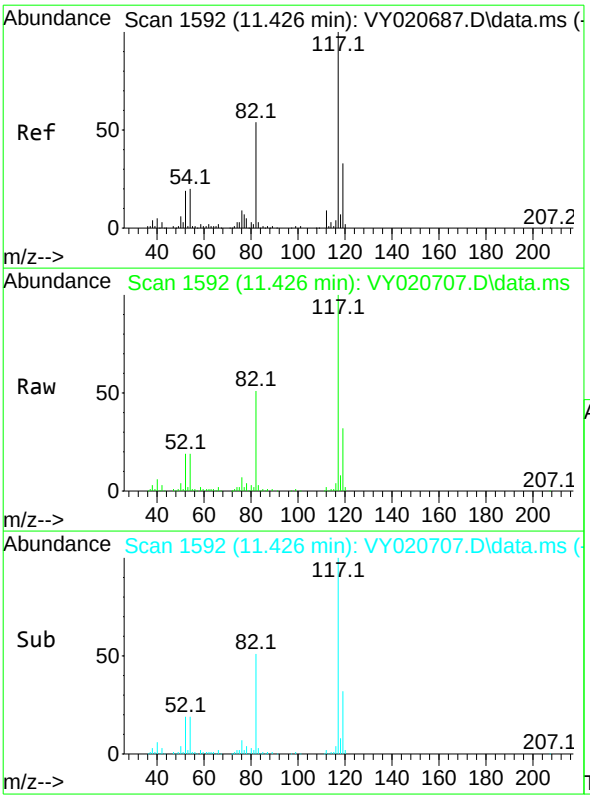


#62
4-Bromofluorobenzene
Concen: 10.336 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. -0.001 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 95 Resp: 12144

Ion	Ratio	Lower	Upper
95	100		
174	91.5	0.0	179.2
176	88.1	0.0	179.8

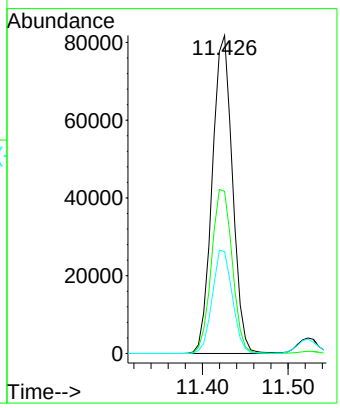




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:117 Resp: 134187

Ion	Ratio	Lower	Upper
117	100		
82	50.9	43.4	65.2
119	32.0	26.6	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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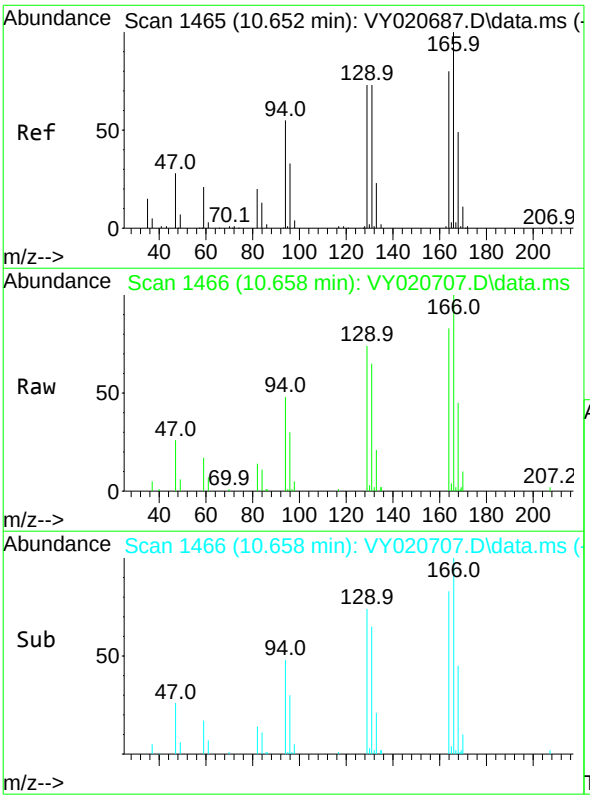
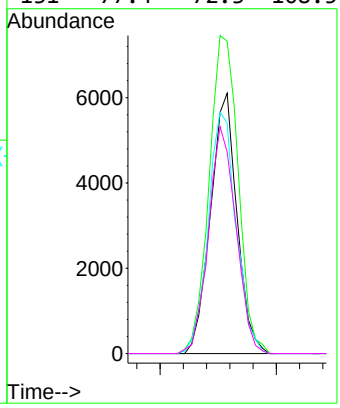
Supervised By :Semsettin Yesilyurt 12/27/2024

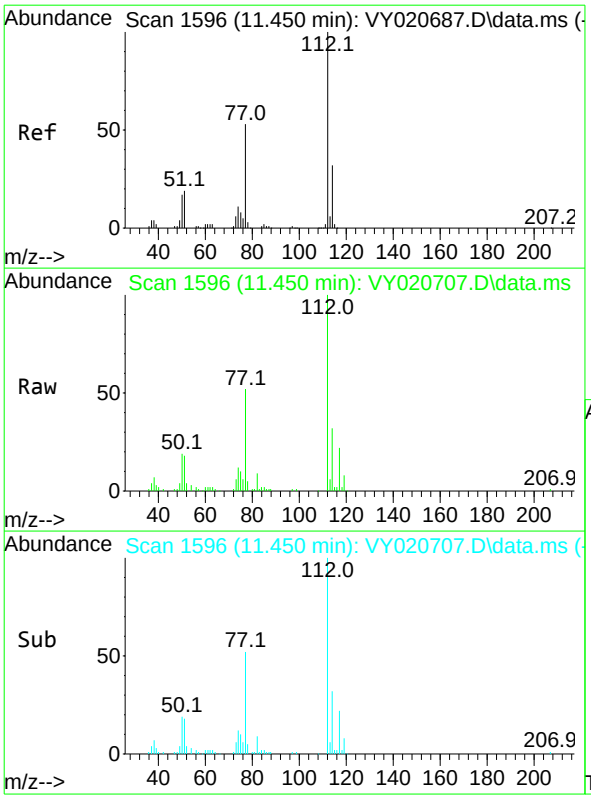


#64
Tetrachloroethene
Concen: 10.530 ug/l
RT: 10.658 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:164 Resp: 9654

Ion	Ratio	Lower	Upper
164	100		
166	120.0	99.6	149.4
129	88.5	73.0	109.4
131	77.4	72.3	108.5

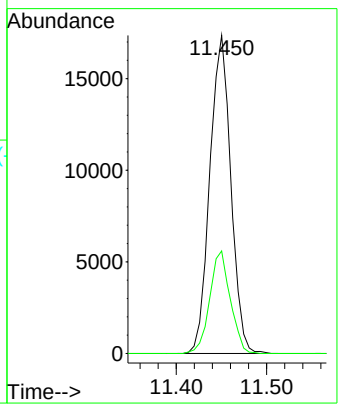




#65
Chlorobenzene
Concen: 10.661 ug/l
RT: 11.450 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:112 Resp: 28012

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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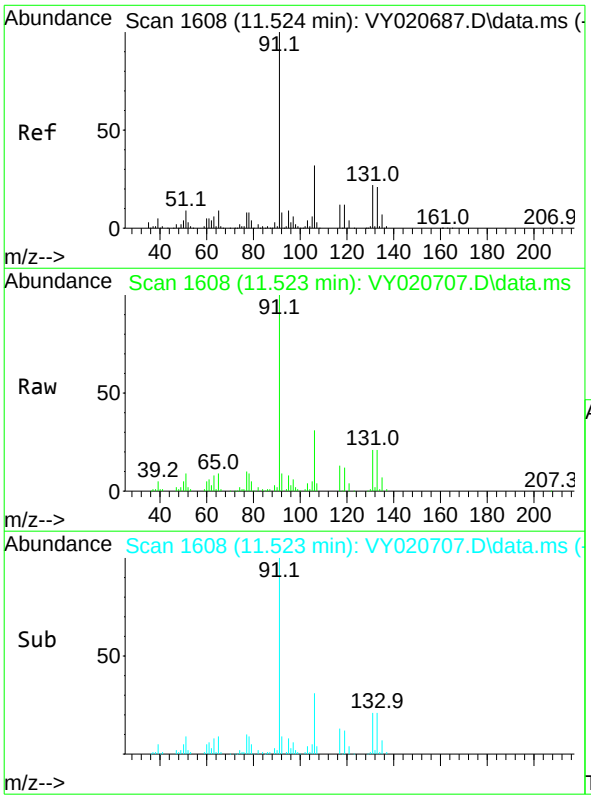
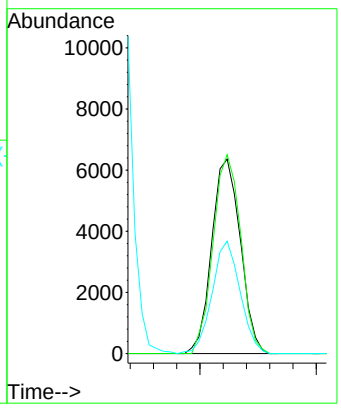
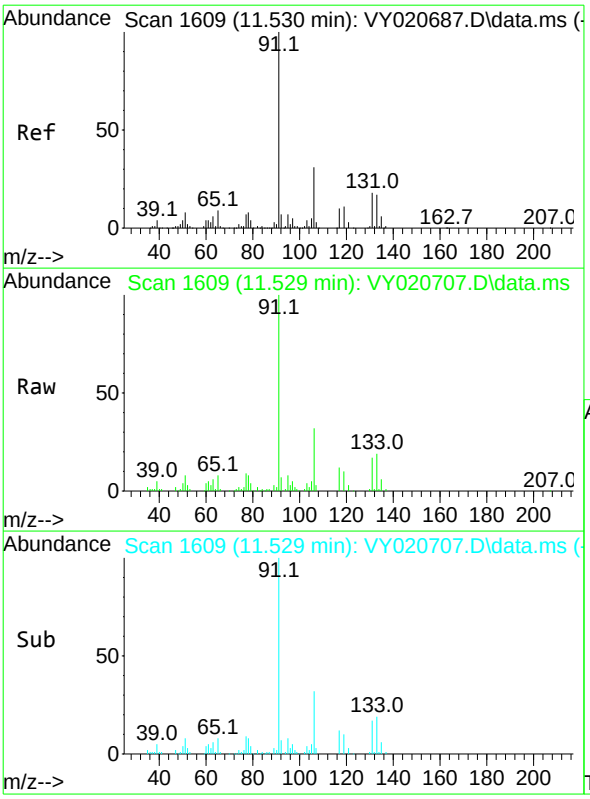


#66
1,1,1,2-Tetrachloroethane
Concen: 10.699 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. -0.001 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:131 Resp: 10891

Ion	Ratio	Lower	Upper
131	100		
133	98.8	48.6	145.9
119	56.6	28.4	85.3

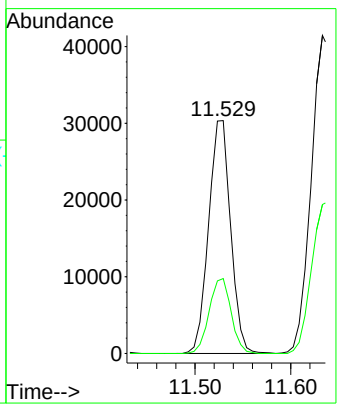




#67
Ethyl Benzene
Concen: 10.575 ug/l
RT: 11.529 min Scan# 16
Delta R.T. -0.001 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 91 Resp: 48565

Ion	Ratio	Lower	Upper
91	100		
106	32.2	24.5	36.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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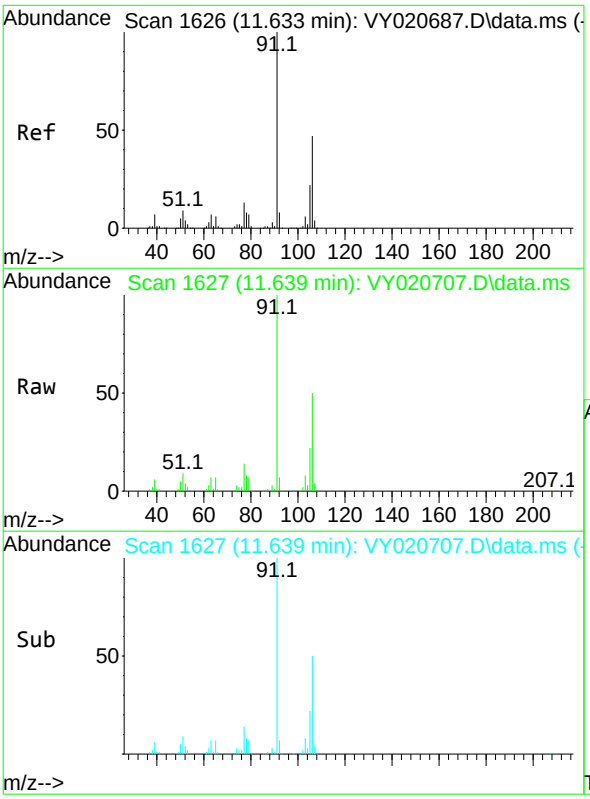
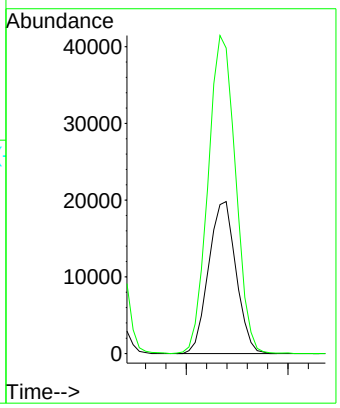
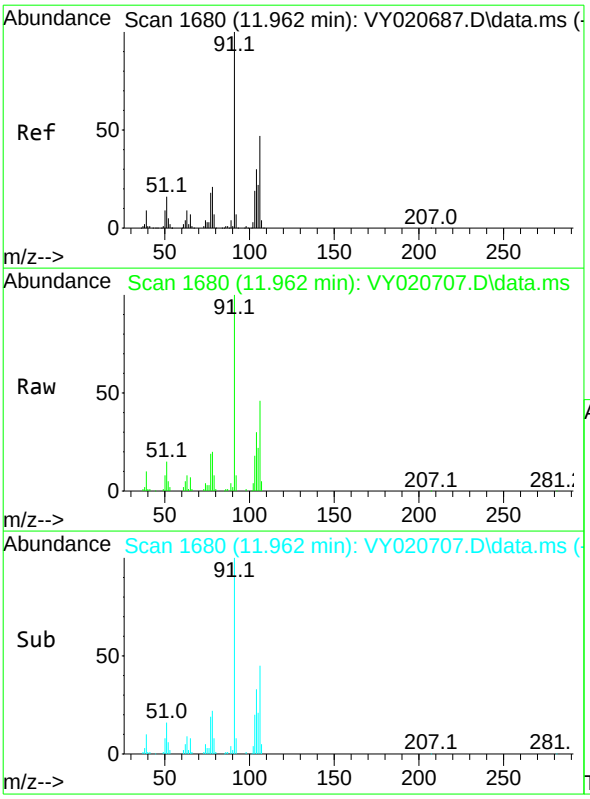


#68
m/p-Xylenes
Concen: 21.184 ug/l
RT: 11.639 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:106 Resp: 37110

Ion	Ratio	Lower	Upper
106	100		
91	210.0	166.6	250.0





#69
o-Xylene
Concen: 10.682 ug/l
RT: 11.962 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:106 Resp: 17878

Ion	Ratio	Lower	Upper
106	100		
91	215.5	108.6	325.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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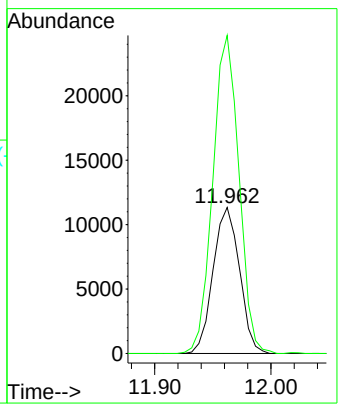
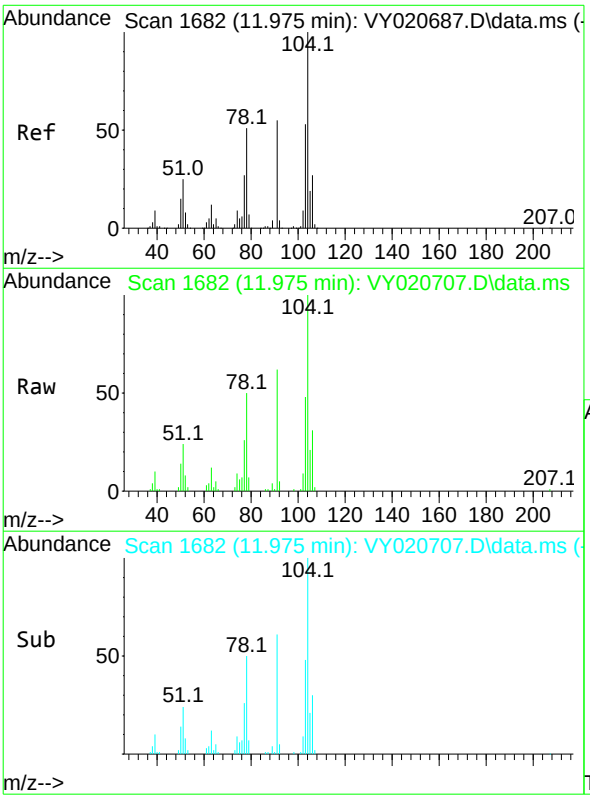
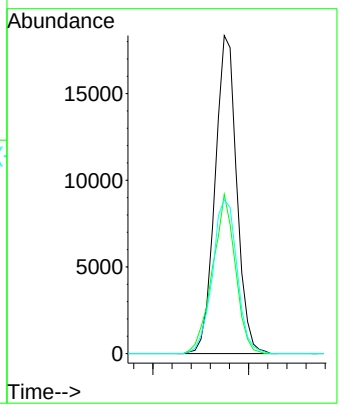


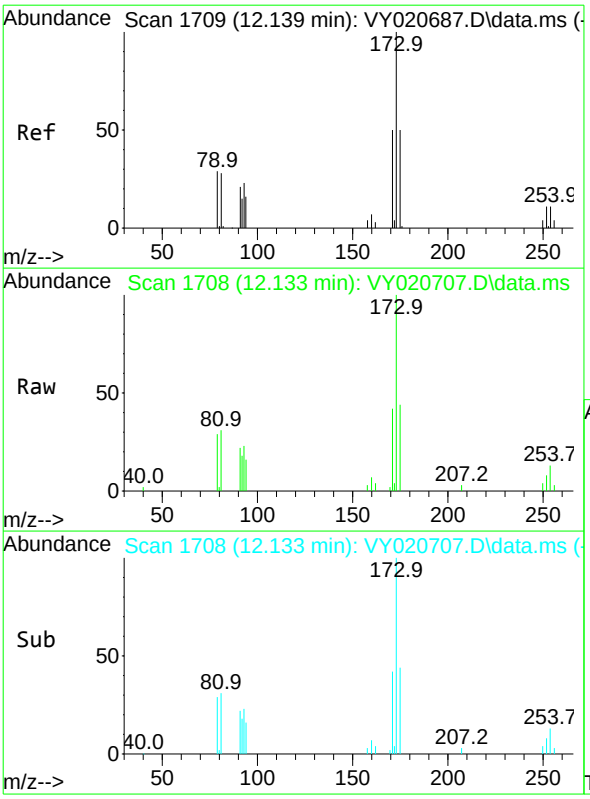


#70
Styrene
Concen: 10.280 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:104 Resp: 28883

Ion	Ratio	Lower	Upper
104	100		
78	52.5	43.0	64.4
103	55.0	44.4	66.6





#71
Bromoform
Concen: 10.428 ug/l
RT: 12.133 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:173 Resp: 6103

Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.2	72.6
254	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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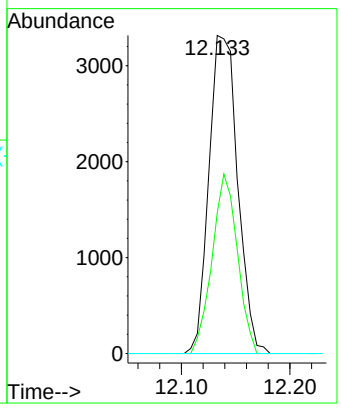
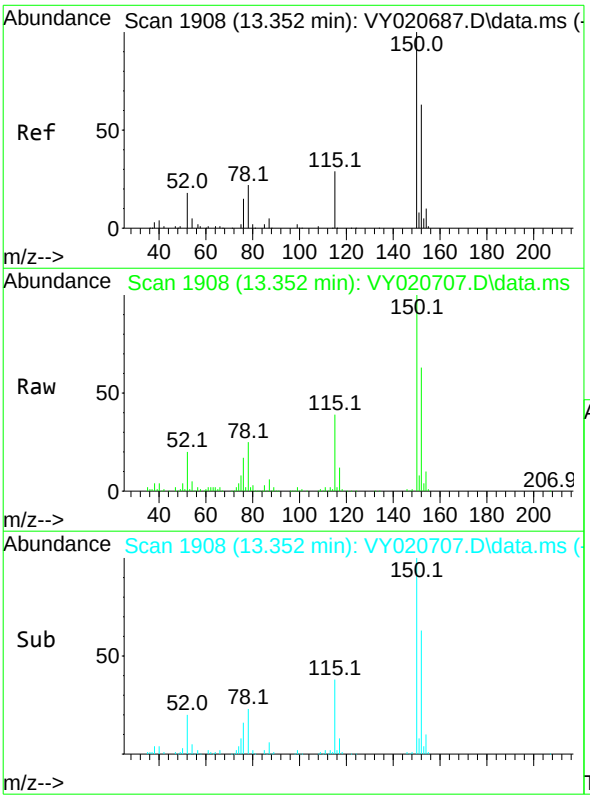
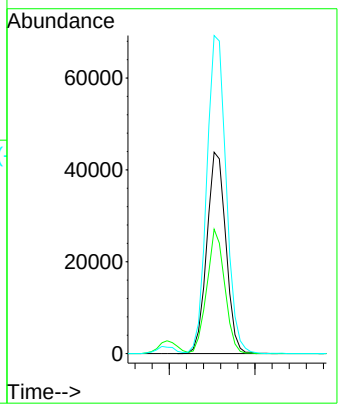


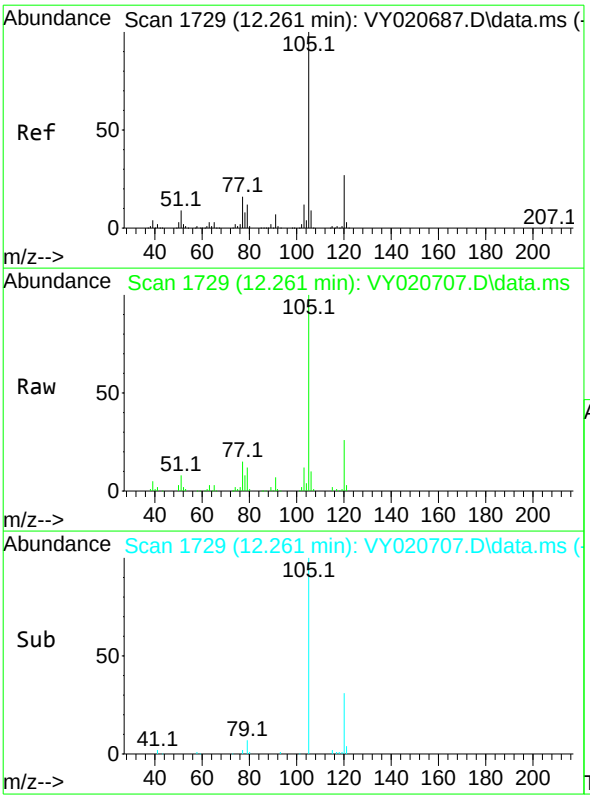


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:152 Resp: 67536

Ion	Ratio	Lower	Upper
152	100		
115	58.0	30.3	90.9
150	161.1	0.0	349.0

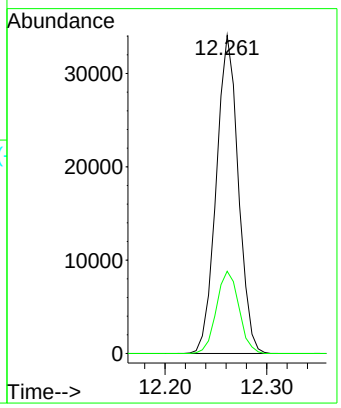




#73
Isopropylbenzene
Concen: 10.973 ug/l
RT: 12.261 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:105 Resp: 51343

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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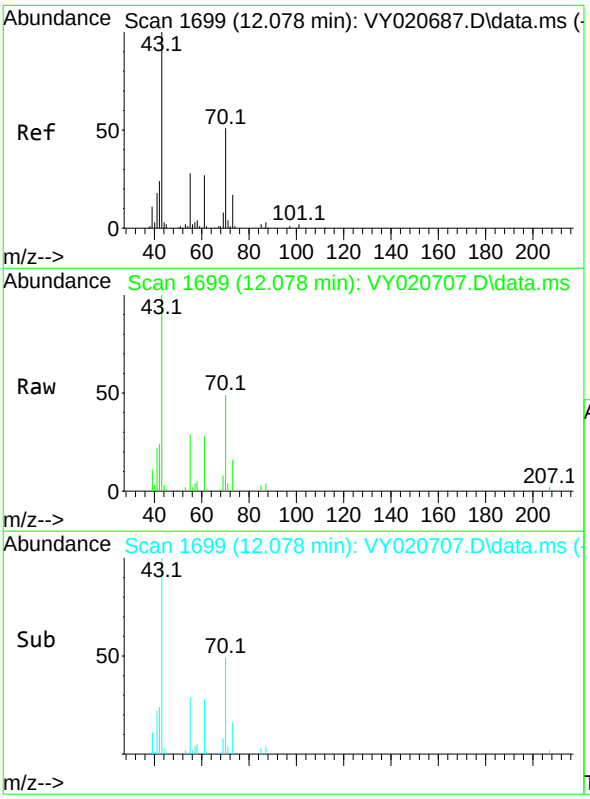
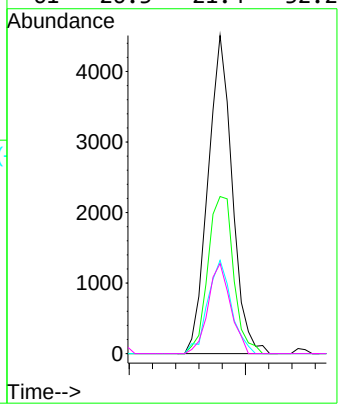
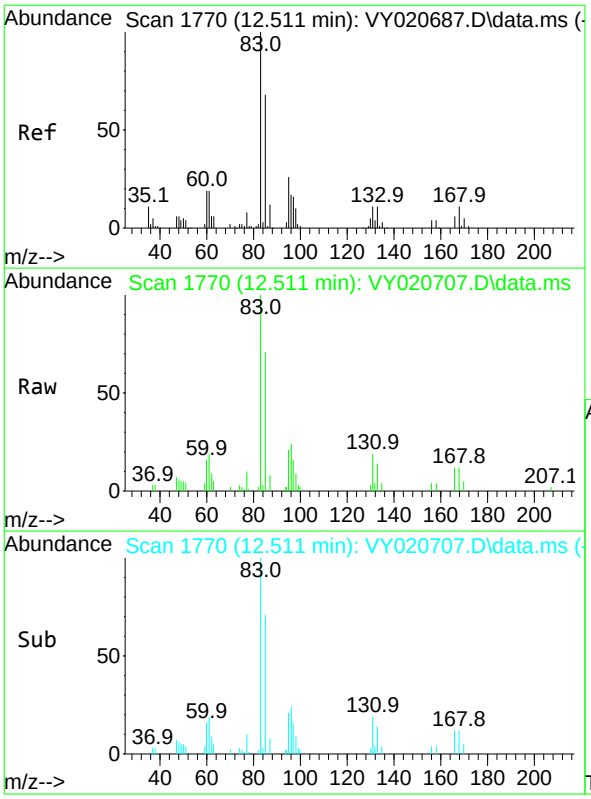


#74
N-amyl acetate
Concen: 9.813 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 43 Resp: 6525

Ion	Ratio	Lower	Upper
43	100		
70	52.6	39.7	59.5
55	28.7	21.5	32.3
61	26.3	21.4	32.2

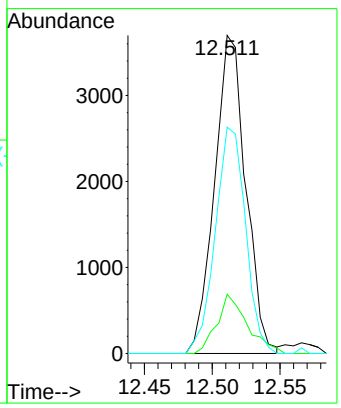




#75
1,1,2,2-Tetrachloroethane
Concen: 9.866 ug/l
RT: 12.511 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 83 Resp: 5918

Ion	Ratio	Lower	Upper
83	100		
131	18.1	6.9	20.7
85	69.1	32.5	97.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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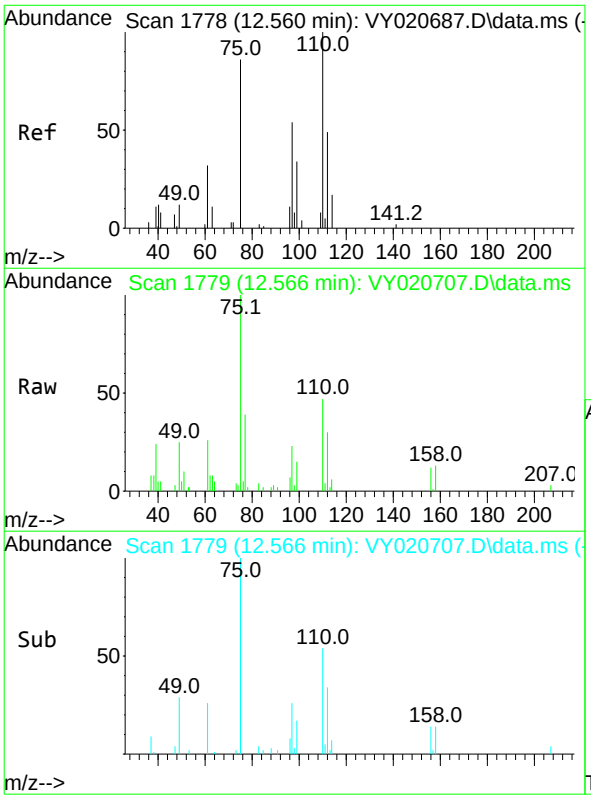
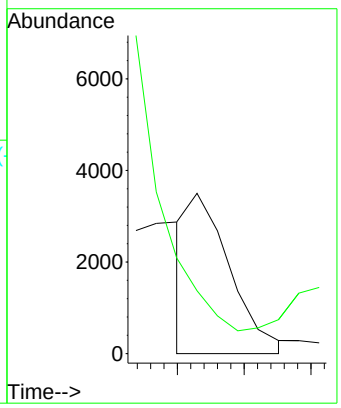
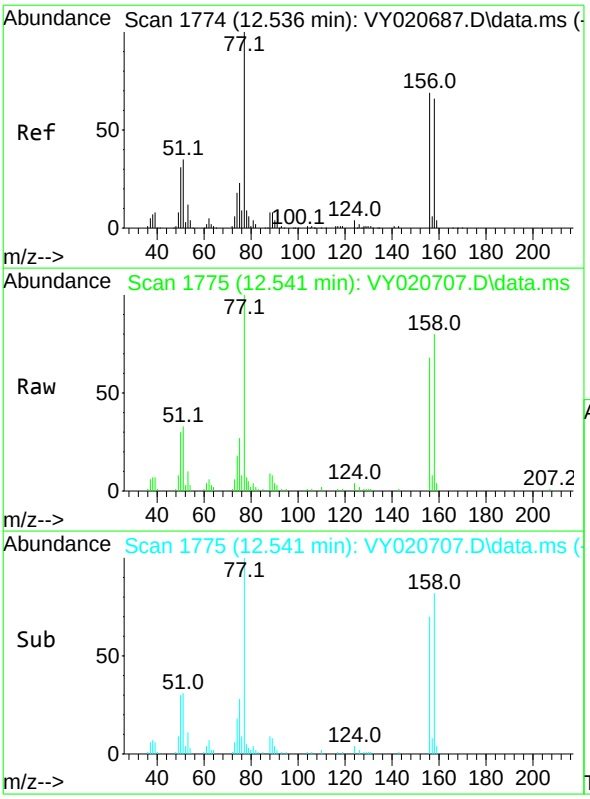


#76
1,2,3-Trichloropropane
Concen: 5.738 ug/l m
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 75 Resp: 3057

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 10.365 ug/l
RT: 12.541 min Scan# 17
Delta R.T. 0.005 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:156 Resp: 11164

Ion	Ratio	Lower	Upper
156	100		
77	151.2	78.3	235.0
158	105.0	48.3	144.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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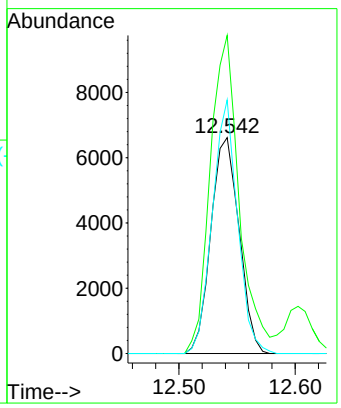
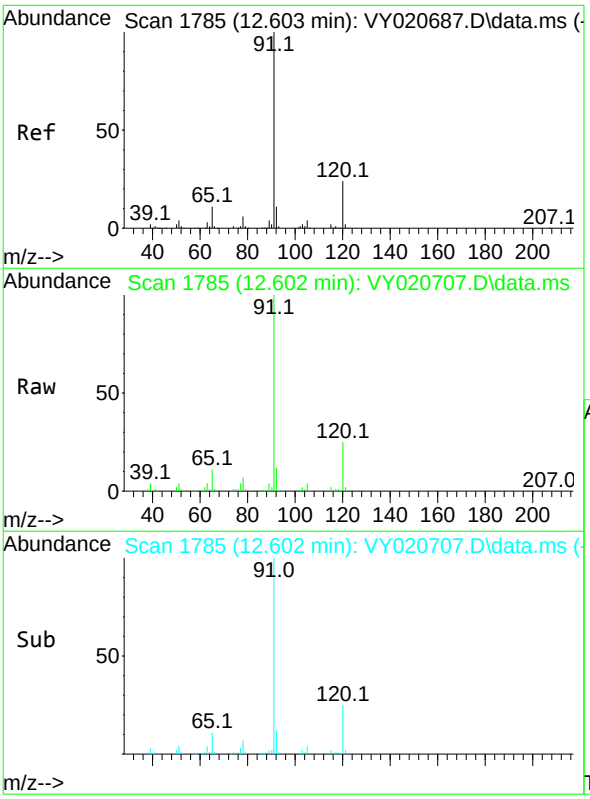
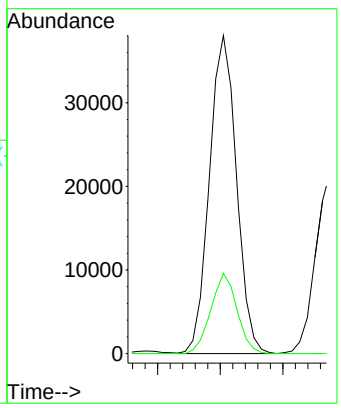


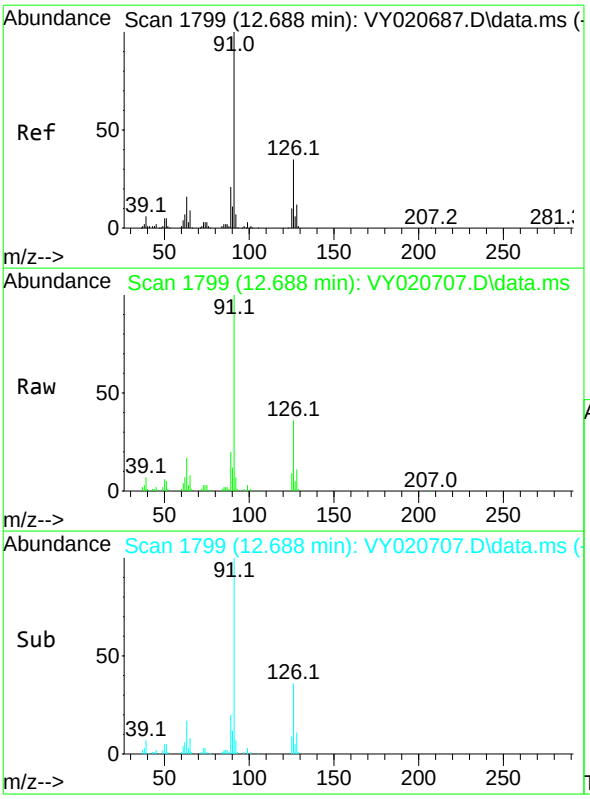


#78
n-propylbenzene
Concen: 10.898 ug/l
RT: 12.602 min Scan# 1785
Delta R.T. -0.001 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 91 Resp: 57154

Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.3	36.8





#79
2-Chlorotoluene
Concen: 10.745 ug/l
RT: 12.688 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 91 Resp: 32123

Ion	Ratio	Lower	Upper
91	100		
126	36.8	17.8	53.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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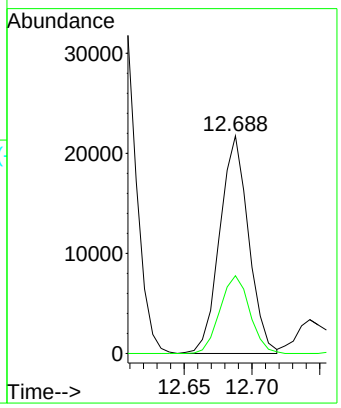
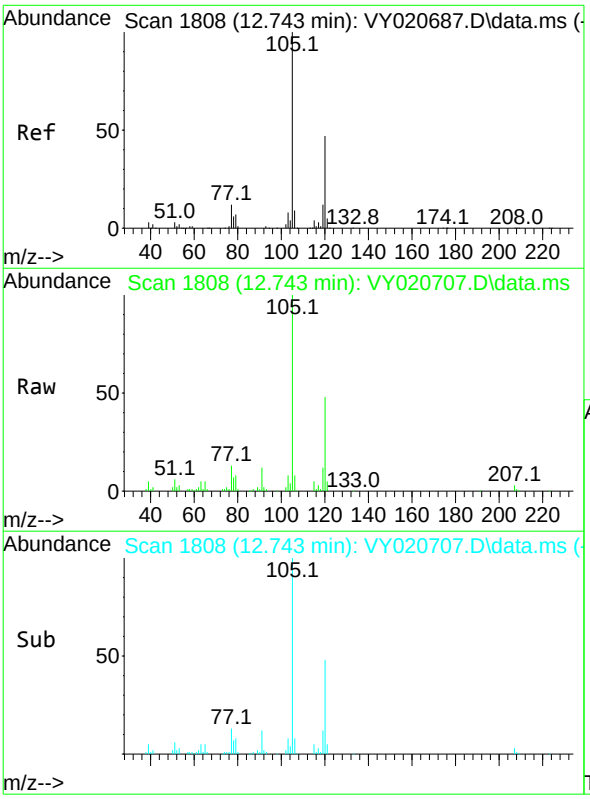
Supervised By :Semsettin Yesilyurt 12/27/2024

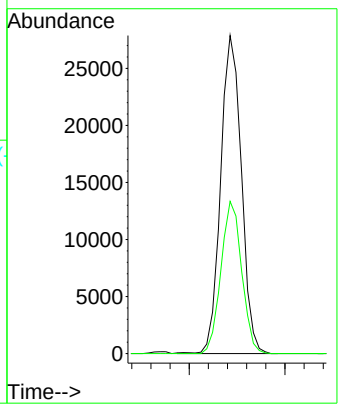


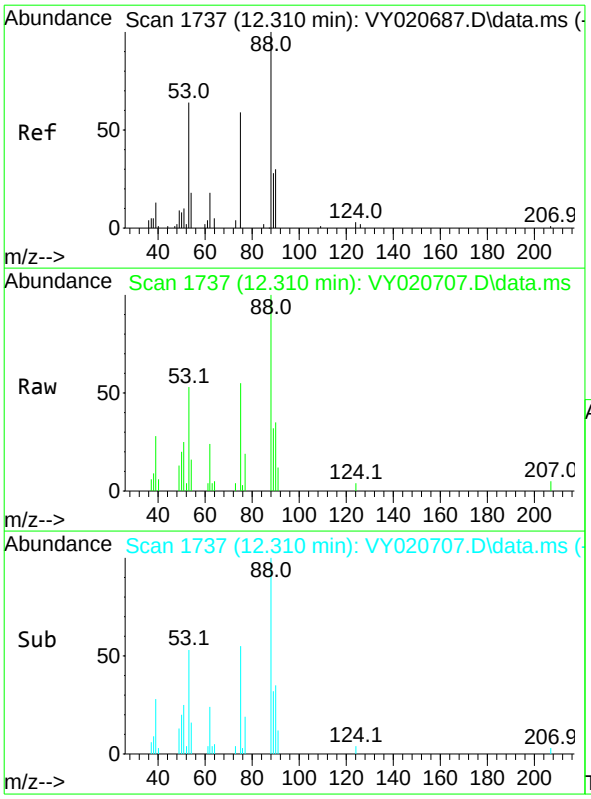


#80
1,3,5-Trimethylbenzene
Concen: 10.746 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:105 Resp: 41891

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 9.480 ug/l
RT: 12.310 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

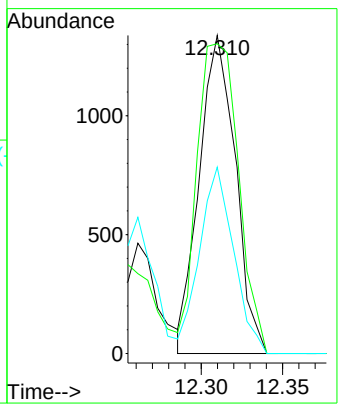
Tgt Ion: 75 Resp: 2060

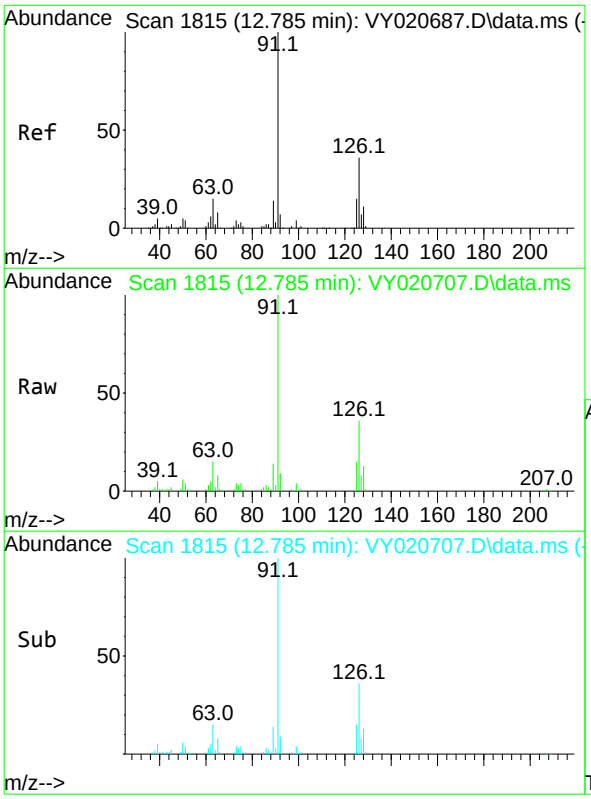
Ion	Ratio	Lower	Upper
75	100		
53	112.3	83.1	124.7
89	55.5	40.6	61.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

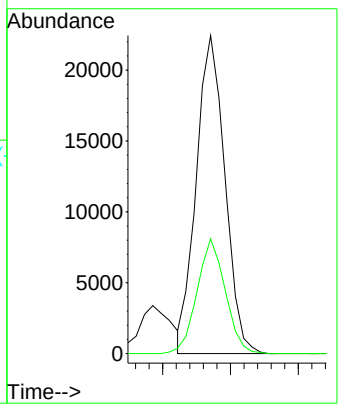


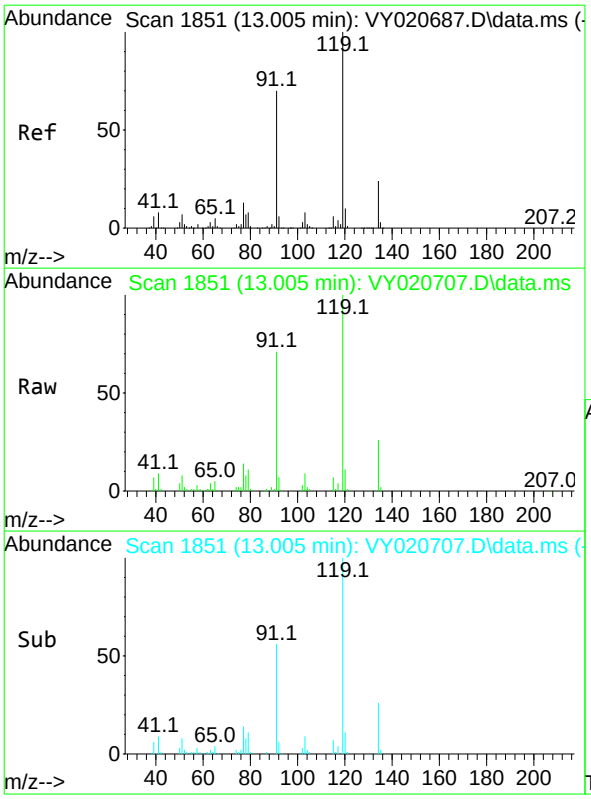


#82
4-Chlorotoluene
Concen: 10.654 ug/l
RT: 12.785 min Scan# 1815
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 91 Resp: 32918

Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.8	53.5





#83
tert-Butylbenzene
Concen: 10.714 ug/l
RT: 13.005 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

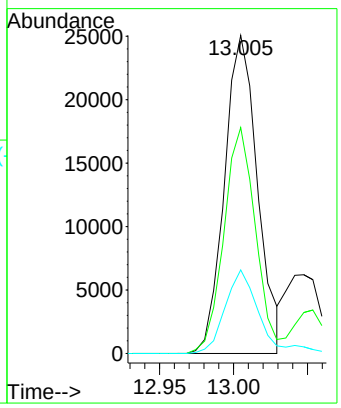
Tgt Ion:119 Resp: 39005

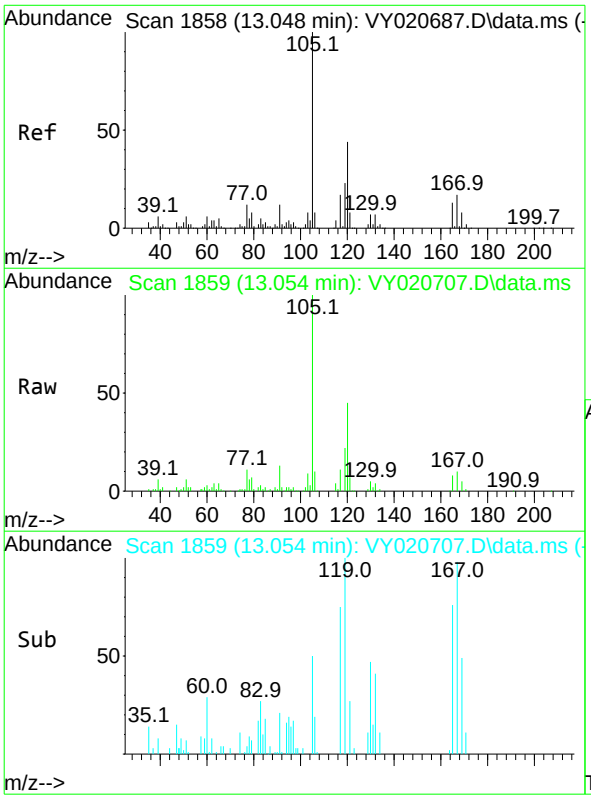
Ion	Ratio	Lower	Upper
119	100		
91	67.5	33.6	100.8
134	27.2	13.4	40.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

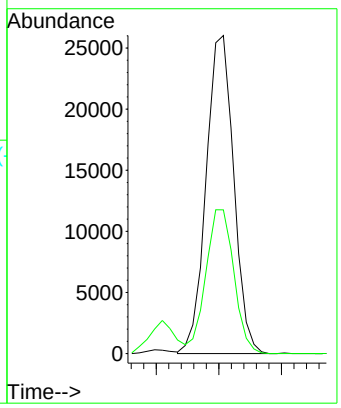


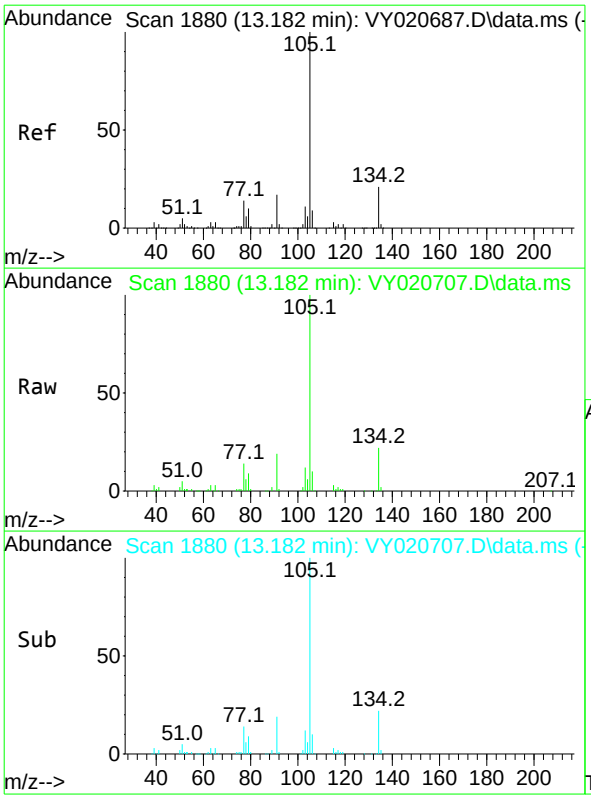


#84
1,2,4-Trimethylbenzene
Concen: 10.489 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:105 Resp: 39791

Ion	Ratio	Lower	Upper
105	100		
120	46.1	21.8	65.3

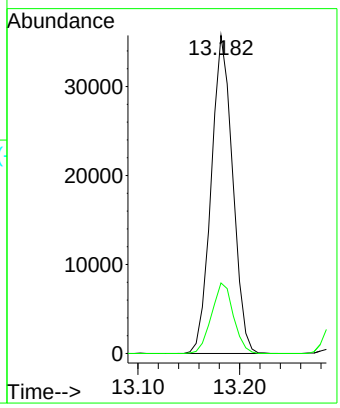




#85
sec-Butylbenzene
Concen: 10.682 ug/l
RT: 13.182 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:105 Resp: 52410

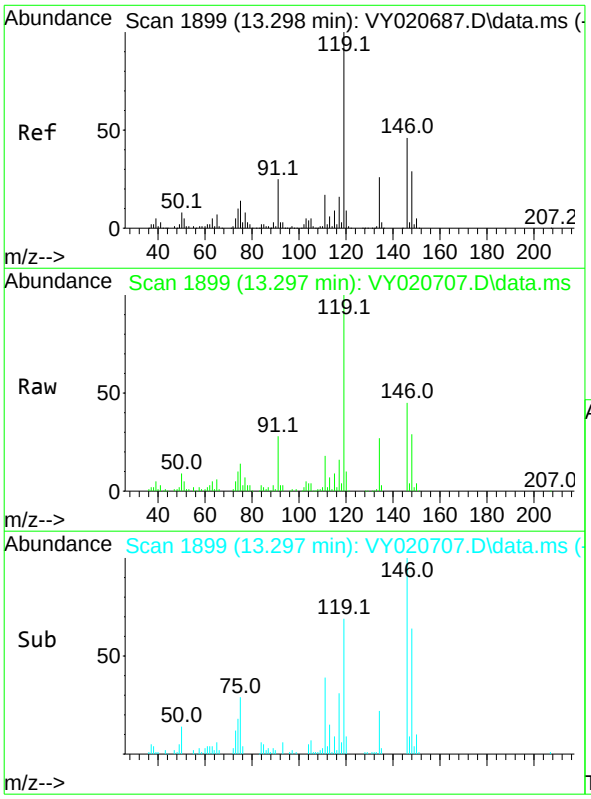
Ion	Ratio	Lower	Upper
105	100		
134	22.6	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

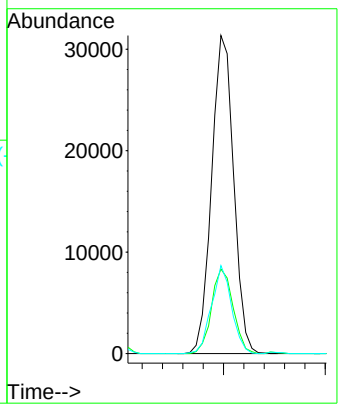
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

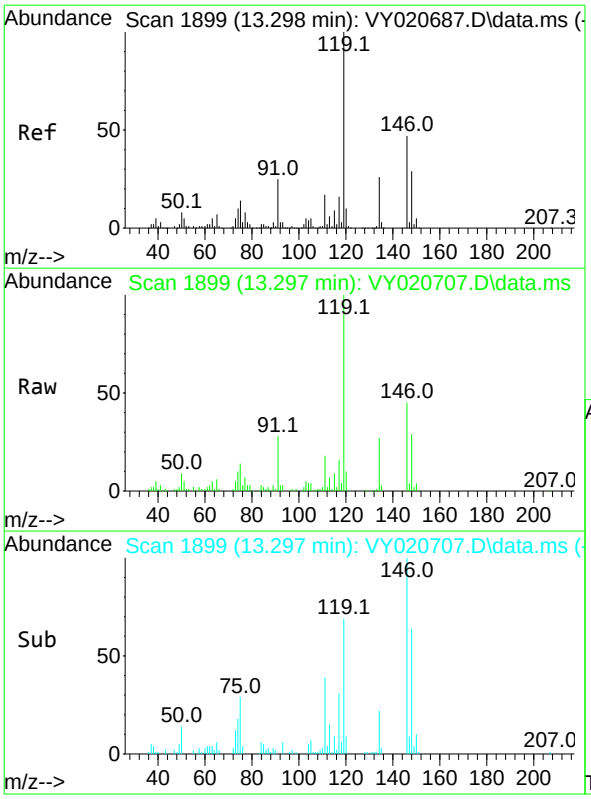


#86
p-Isopropyltoluene
Concen: 10.773 ug/l
RT: 13.297 min Scan# 1899
Delta R.T. -0.001 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:119 Resp: 47106

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.4	40.2
91	25.2	12.9	38.6

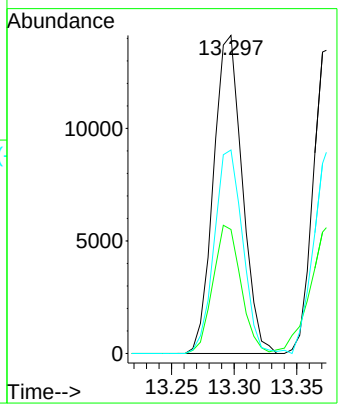




#87
1,3-Dichlorobenzene
Concen: 10.715 ug/l
RT: 13.297 min Scan# 18
Delta R.T. -0.001 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:146 Resp: 22556

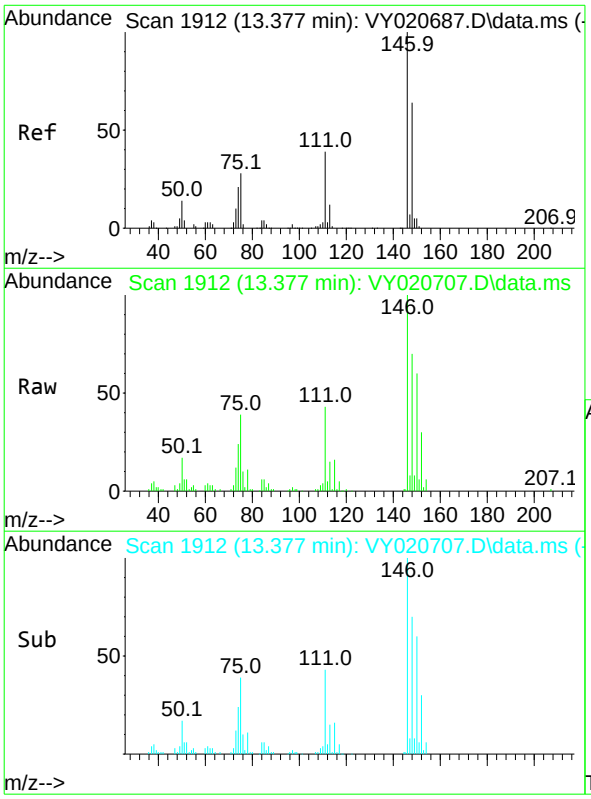
Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.3	57.8
148	63.2	31.1	93.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

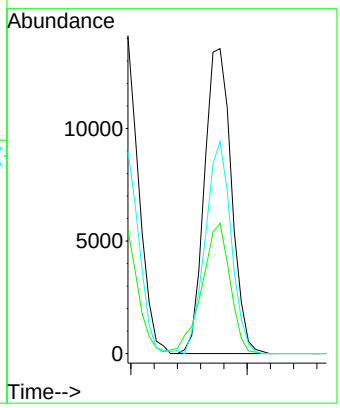
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

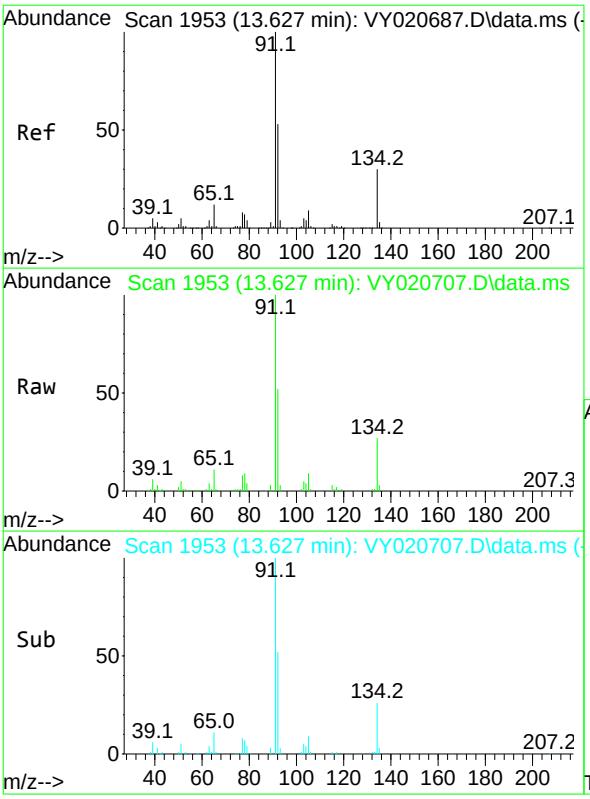


#88
1,4-Dichlorobenzene
Concen: 10.480 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:146 Resp: 21947

Ion	Ratio	Lower	Upper
146	100		
111	44.6	19.7	59.0
148	66.7	32.8	98.3





#89
n-Butylbenzene
Concen: 10.710 ug/l
RT: 13.627 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

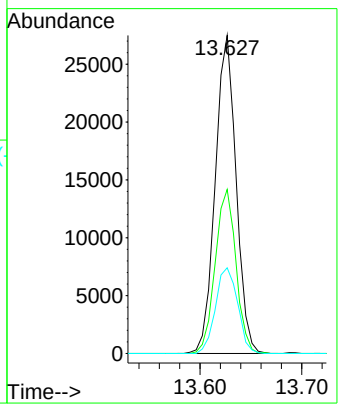
Tgt Ion: 91 Resp: 39091

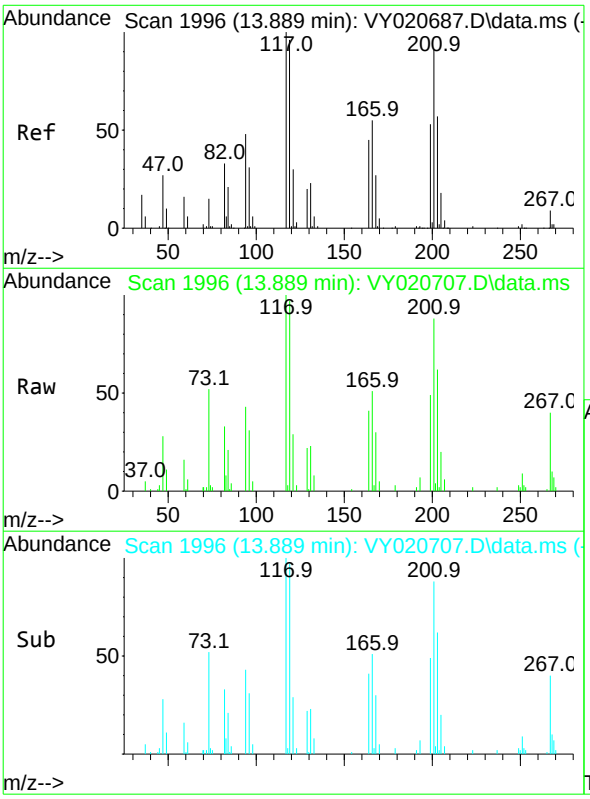
Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.1	78.2
134	28.6	14.8	44.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

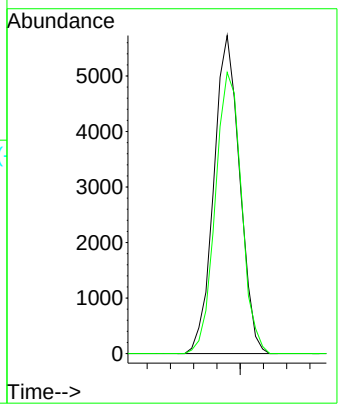


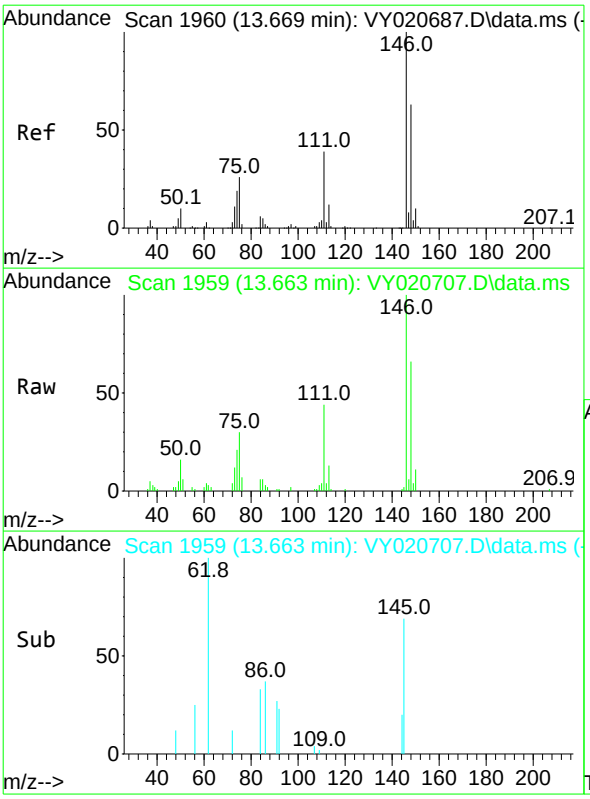


#90
Hexachloroethane
Concen: 10.680 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:117 Resp: 8880

Ion	Ratio	Lower	Upper
117	100		
201	89.0	44.9	134.7

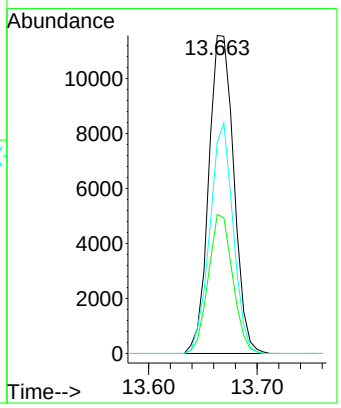




#91
1,2-Dichlorobenzene
Concen: 10.279 ug/l
RT: 13.663 min Scan# 19
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:146 Resp: 18554

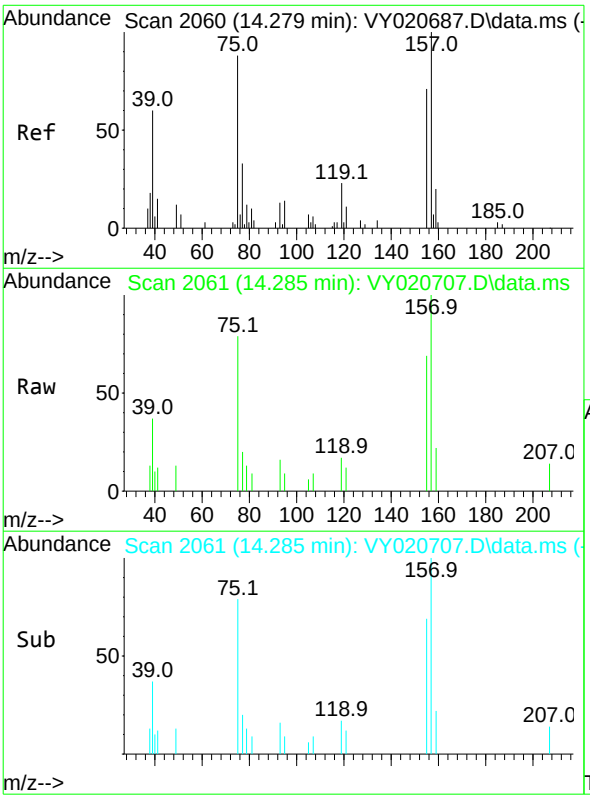
Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.3	60.8
148	67.5	31.9	95.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

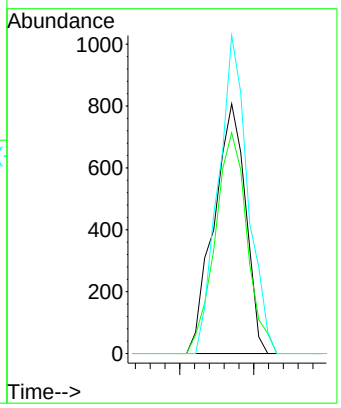
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

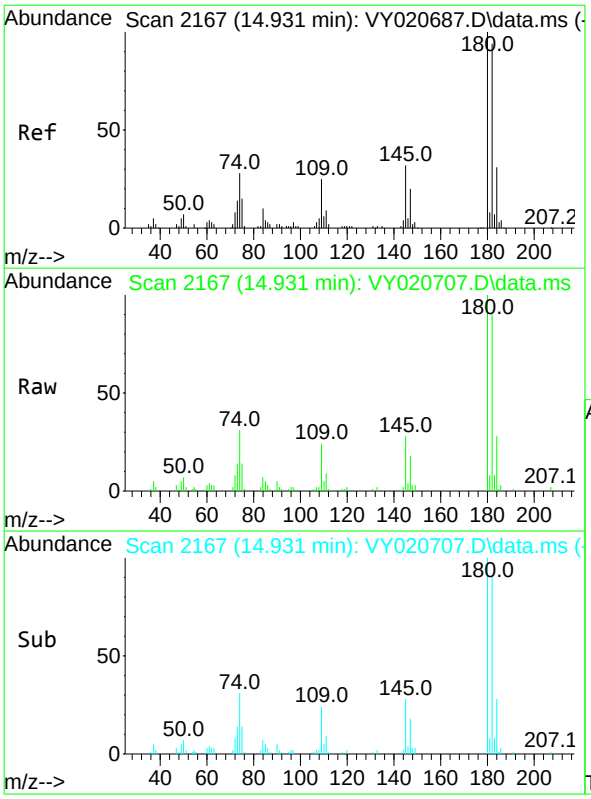


#92
1,2-Dibromo-3-Chloropropane
Concen: 10.298 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 75 Resp: 1198

Ion	Ratio	Lower	Upper
75	100		
155	89.3	43.4	130.2
157	118.9	58.6	175.7

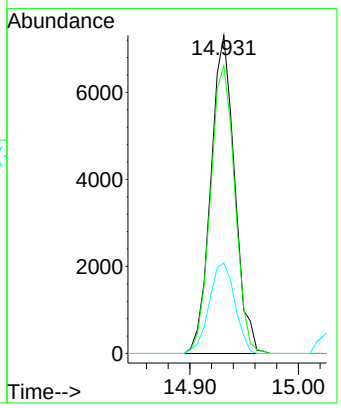




#93
1,2,4-Trichlorobenzene
Concen: 9.721 ug/l
RT: 14.931 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:180 Resp: 11153

Ion	Ratio	Lower	Upper
180	100		
182	92.1	47.9	143.7
145	30.7	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

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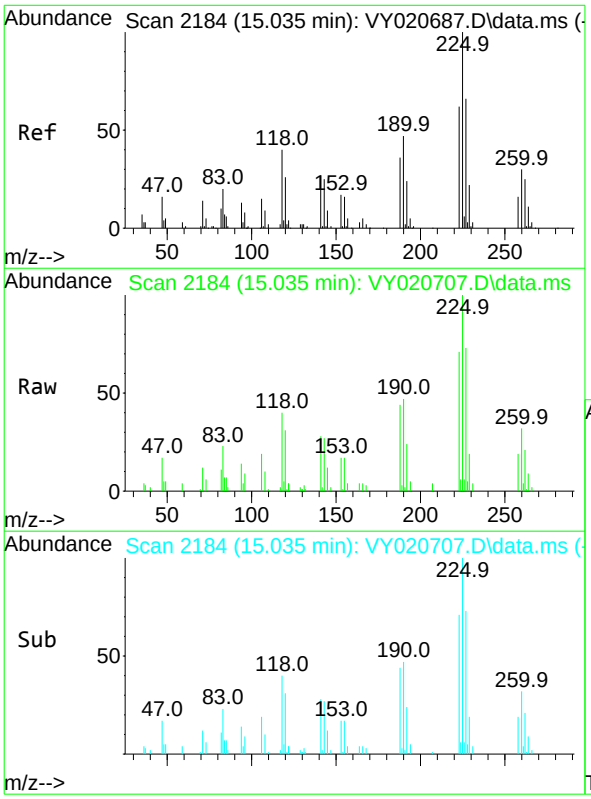
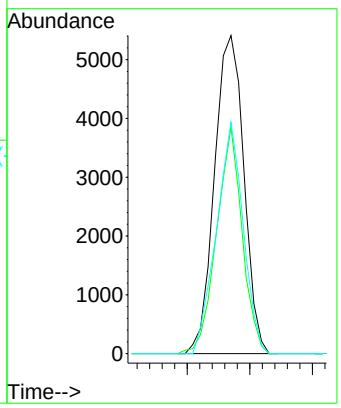
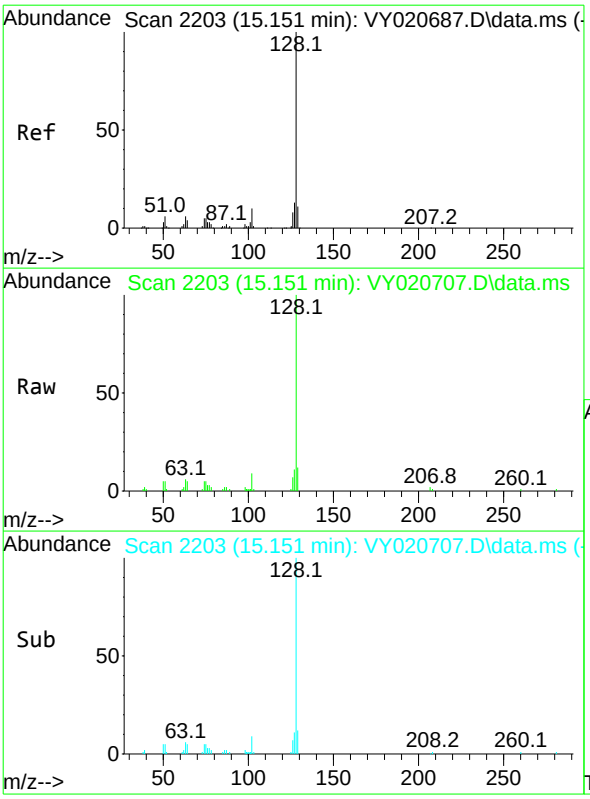


#94
Hexachlorobutadiene
Concen: 10.534 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:225 Resp: 8808

Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.3	93.8
227	66.4	32.1	96.5

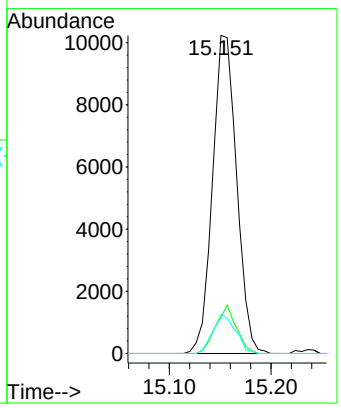




#95
Naphthalene
Concen: 9.174 ug/l
RT: 15.151 min Scan# 22
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:128 Resp: 16857

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	11.6	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

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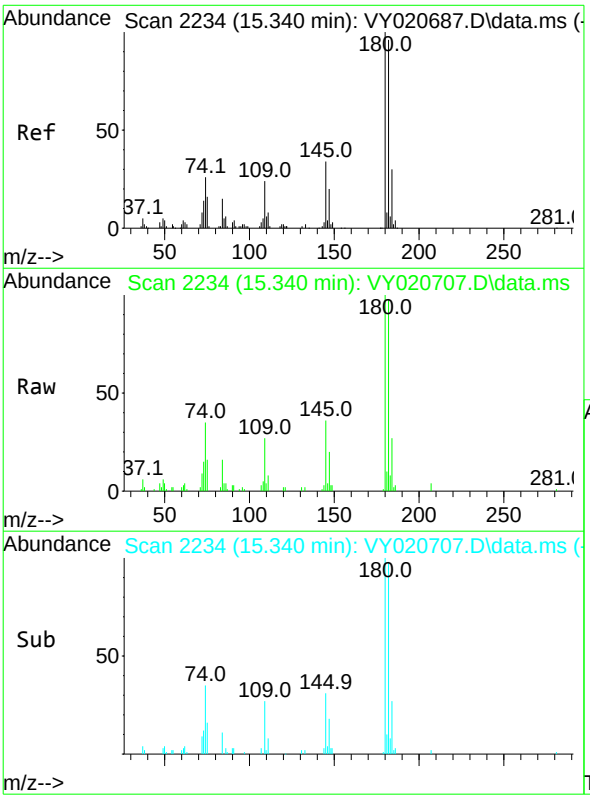
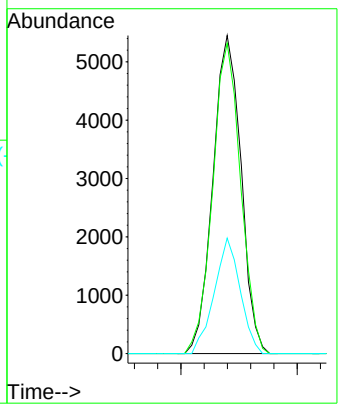


#96
1,2,3-Trichlorobenzene
Concen: 9.584 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:180 Resp: 9155

Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.4	142.2
145	33.4	16.7	50.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020708.D
Acq On : 26 Dec 2024 10:16
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Quant Time: Dec 26 16:05:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.720	168	124056	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.622	114	173311	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	146011	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	74311	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.067	65	15547	15.300	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	30.600%#			
35) Dibromofluoromethane	7.646	113	16110	16.876	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	33.760%#			
50) Toluene-d8	10.115	98	50794	14.644	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	29.280%#			
62) 4-Bromofluorobenzene	12.414	95	22093	17.414	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	34.820%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	18601	19.049	ug/l		92
3) Chloromethane	2.074	50	6487	17.813	ug/l		96
4) Vinyl Chloride	2.214	62	8742	19.375	ug/l		98
5) Bromomethane	2.611	94	6370	18.699	ug/l		96
6) Chloroethane	2.745	64	5058	18.687	ug/l		96
7) Trichlorofluoromethane	3.074	101	34026	19.610	ug/l		99
8) Diethyl Ether	3.470	74	7737	18.739	ug/l		99
9) 1,1,2-Trichlorotrifluo...	3.824	101	18742	19.675	ug/l		97
10) Methyl Iodide	4.019	142	19652	18.866	ug/l		99
11) Tert butyl alcohol	4.897	59	6567	90.235	ug/l	#	88
12) 1,1-Dichloroethene	3.806	96	16374	19.312	ug/l		93
13) Acrolein	3.665	56	2867	134.971	ug/l		94
14) Allyl chloride	4.403	41	19316	19.468	ug/l		96
15) Acrylonitrile	5.074	53	14919	93.535	ug/l		99
16) Acetone	3.885	43	11272	87.443	ug/l		99
17) Carbon Disulfide	4.123	76	38140	18.338	ug/l		96
18) Methyl Acetate	4.403	43	6527	18.708	ug/l		93
19) Methyl tert-butyl Ether	5.135	73	45739	19.355	ug/l		97
20) Methylene Chloride	4.629	84	16287	19.426	ug/l		87
21) trans-1,2-Dichloroethene	5.128	96	17672	19.342	ug/l		96
22) Diisopropyl ether	6.031	45	39891	19.778	ug/l		97
23) Vinyl Acetate	5.976	43	116269	96.512	ug/l		99
24) 1,1-Dichloroethane	5.939	63	29556	19.545	ug/l		98
25) 2-Butanone	6.903	43	16336	93.814	ug/l		95
26) 2,2-Dichloropropane	6.903	77	35847	19.368	ug/l		99
27) cis-1,2-Dichloroethene	6.909	96	21139	19.320	ug/l		98
28) Bromochloromethane	7.256	49	6388	15.974	ug/l		93
29) Tetrahydrofuran	7.274	42	9908	92.698	ug/l		94
30) Chloroform	7.433	83	37350	19.200	ug/l		97
31) Cyclohexane	7.720	56	24456	18.736	ug/l	#	95
32) 1,1,1-Trichloroethane	7.628	97	40987	19.656	ug/l		99
36) 1,1-Dichloropropene	7.848	75	24262	19.240	ug/l		98
37) Ethyl Acetate	6.994	43	8299	19.972	ug/l		96
38) Carbon Tetrachloride	7.829	117	40302	19.409	ug/l		96
39) Methylcyclohexane	9.116	83	32007	19.803	ug/l		94
40) Benzene	8.091	78	72108	19.731	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020708.D
Acq On : 26 Dec 2024 10:16
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Dec 26 16:05:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	4661	22.206	ug/l		97
42) 1,2-Dichloroethane	8.171	62	22531	19.227	ug/l		99
43) Isopropyl Acetate	8.207	43	16635	18.834	ug/l		98
44) Trichloroethene	8.878	130	21859	20.026	ug/l		88
45) 1,2-Dichloropropane	9.152	63	14245	19.256	ug/l		92
46) Dibromomethane	9.238	93	9719	18.988	ug/l		97
47) Bromodichloromethane	9.433	83	28737	19.803	ug/l		96
48) Methyl methacrylate	9.225	41	7787	18.879	ug/l		99
49) 1,4-Dioxane	9.238	88	1825	374.309	ug/l		94
51) 4-Methyl-2-Pentanone	10.006	43	40592	95.218	ug/l		99
52) Toluene	10.176	92	50060	19.986	ug/l		99
53) t-1,3-Dichloropropene	10.402	75	24428	19.166	ug/l		99
54) cis-1,3-Dichloropropene	9.865	75	27417	19.625	ug/l		99
55) 1,1,2-Trichloroethane	10.579	97	12886	19.722	ug/l		94
56) Ethyl methacrylate	10.445	69	16830	19.607	ug/l		97
57) 1,3-Dichloropropane	10.725	76	20740	19.558	ug/l		96
58) 2-Chloroethyl Vinyl ether	9.719	63	27533	91.985	ug/l		99
59) 2-Hexanone	10.768	43	27109	96.312	ug/l		100
60) Dibromochloromethane	10.920	129	20354	19.279	ug/l		99
61) 1,2-Dibromoethane	11.018	107	12098	19.678	ug/l		97
64) Tetrachloroethene	10.658	164	20307	20.357	ug/l		97
65) Chlorobenzene	11.451	112	56993	19.935	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.524	131	21420	19.338	ug/l		96
67) Ethyl Benzene	11.524	91	100148	20.042	ug/l		99
68) m/p-Xylenes	11.633	106	75856	39.796	ug/l		99
69) o-Xylene	11.963	106	37301	20.482	ug/l		96
70) Styrene	11.975	104	61946	20.262	ug/l		98
71) Bromoform	12.139	173	12354	19.400	ug/l	#	96
73) Isopropylbenzene	12.261	105	104274	20.254	ug/l		100
74) N-amyl acetate	12.078	43	14154	19.346	ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.511	83	13030	19.742	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	10691m	18.239	ug/l		
77) Bromobenzene	12.536	156	23151	19.534	ug/l		98
78) n-propylbenzene	12.603	91	118053	20.458	ug/l		99
79) 2-Chlorotoluene	12.688	91	66234	20.135	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	86460	20.157	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	4620	19.322	ug/l		91
82) 4-Chlorotoluene	12.786	91	68187	20.057	ug/l		100
83) tert-Butylbenzene	13.005	119	81757	20.410	ug/l		100
84) 1,2,4-Trimethylbenzene	13.048	105	85025	20.370	ug/l		97
85) sec-Butylbenzene	13.182	105	110869	20.536	ug/l		99
86) p-Isopropyltoluene	13.298	119	97722	20.311	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	46587	20.113	ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	46439	20.154	ug/l		98
89) n-Butylbenzene	13.627	91	82147	20.454	ug/l		99
90) Hexachloroethane	13.889	117	17856	19.517	ug/l		98
91) 1,2-Dichlorobenzene	13.664	146	40471	20.378	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	2548	19.905	ug/l		97
93) 1,2,4-Trichlorobenzene	14.932	180	24098	19.089	ug/l		97
94) Hexachlorobutadiene	15.029	225	18082	19.654	ug/l		99
95) Naphthalene	15.151	128	38351	18.968	ug/l		98
96) 1,2,3-Trichlorobenzene	15.340	180	20167	19.187	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020708.D
Acq On : 26 Dec 2024 10:16
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Quant Time: Dec 26 16:05:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

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

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

ICAL Form

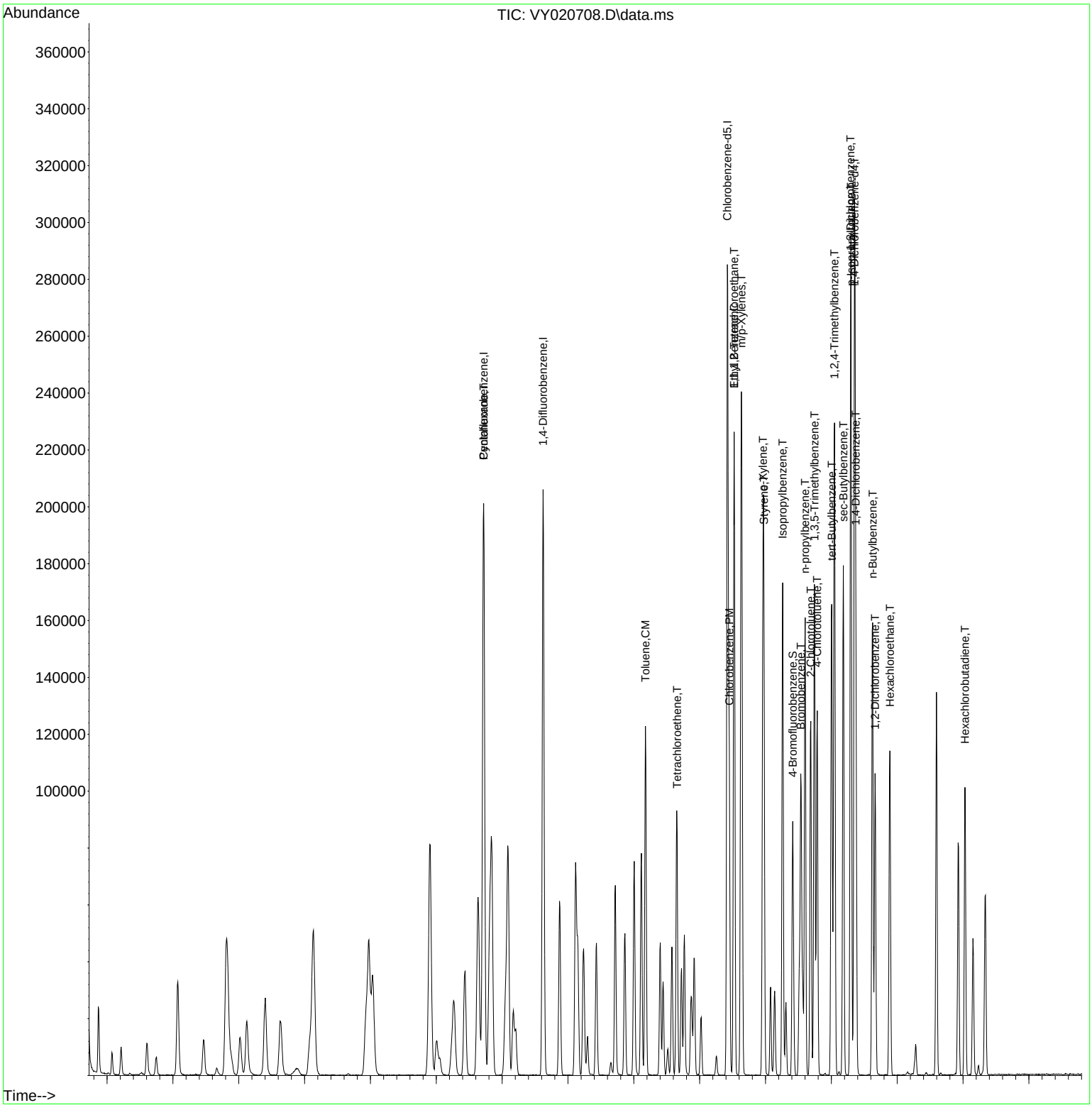
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020708.D
Acq On : 26 Dec 2024 10:16
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

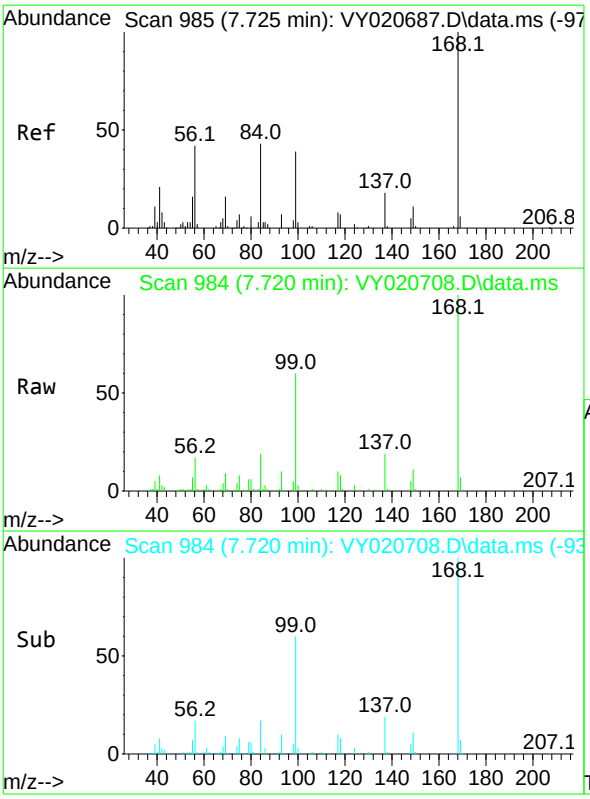
Quant Time: Dec 26 16:05:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

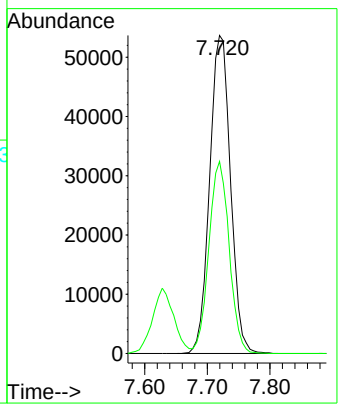




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 98
Delta R.T. -0.005 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:168 Resp: 124056

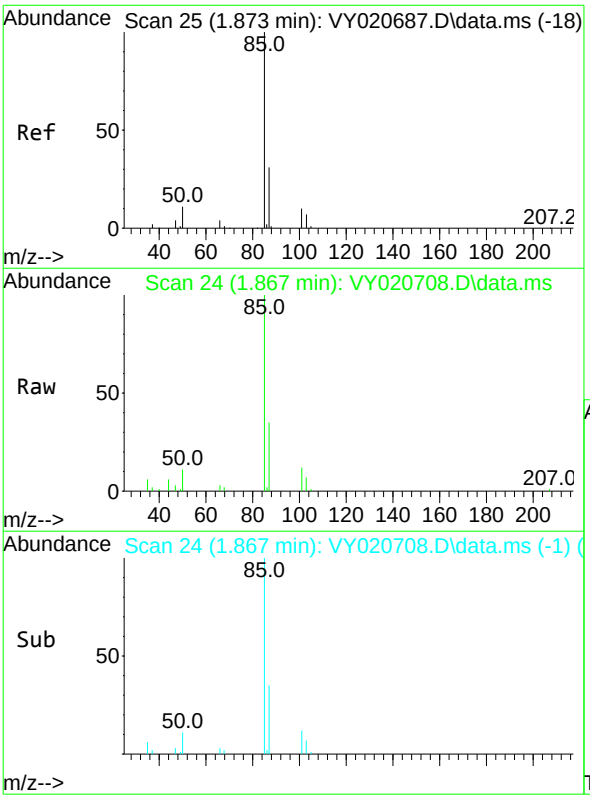
Ion	Ratio	Lower	Upper
168	100		
99	60.4	43.8	65.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

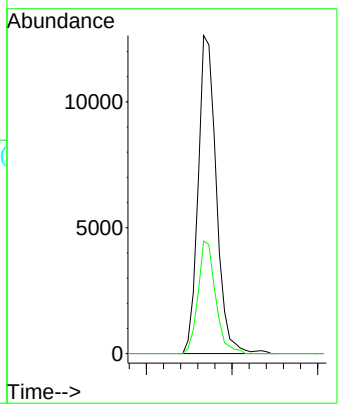
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

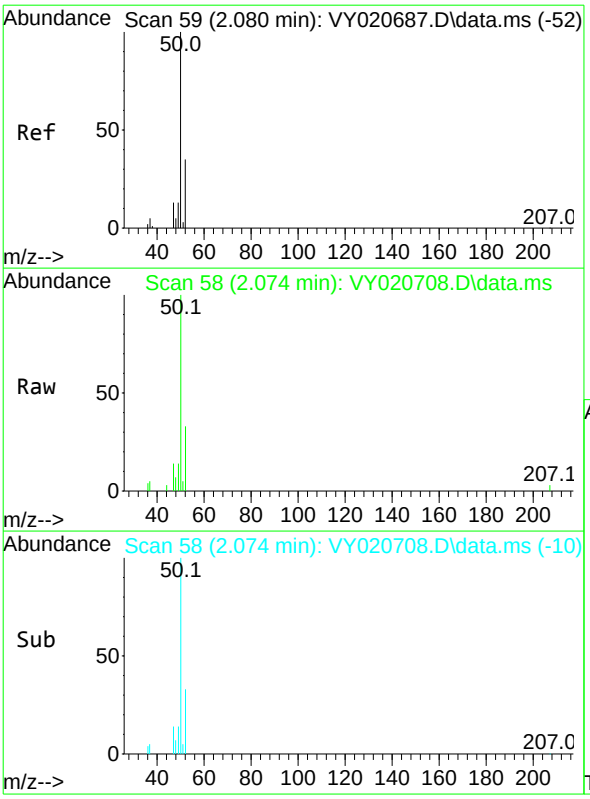


#2
Dichlorodifluoromethane
Concen: 19.049 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 85 Resp: 18601

Ion	Ratio	Lower	Upper
85	100		
87	35.4	15.4	46.4

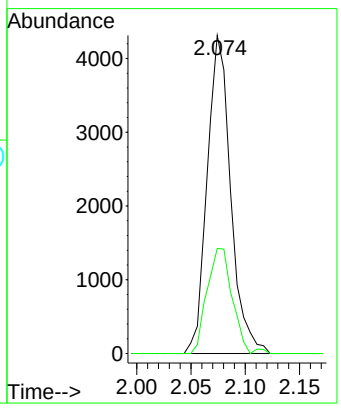




#3
Chloromethane
Concen: 17.813 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 50 Resp: 6487

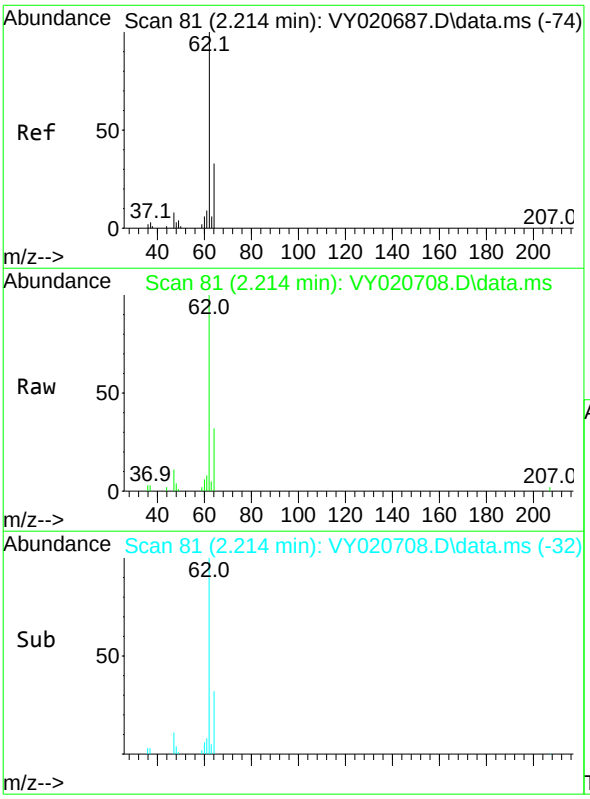
Ion	Ratio	Lower	Upper
50	100		
52	33.0	28.2	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

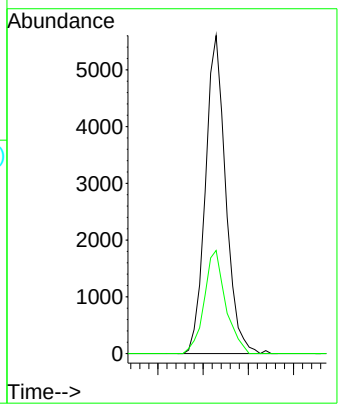
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

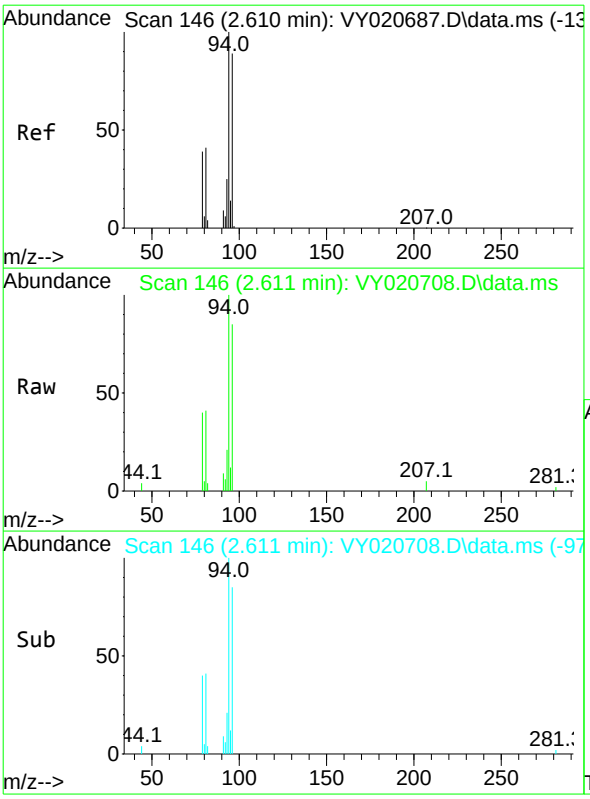


#4
Vinyl Chloride
Concen: 19.375 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 62 Resp: 8742

Ion	Ratio	Lower	Upper
62	100		
64	32.4	26.6	40.0

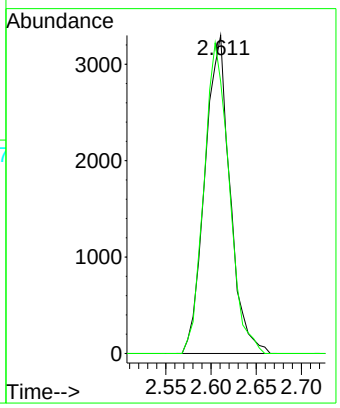




#5
Bromomethane
Concen: 18.699 ug/l
RT: 2.611 min Scan# 14
Delta R.T. 0.001 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 94 Resp: 6370

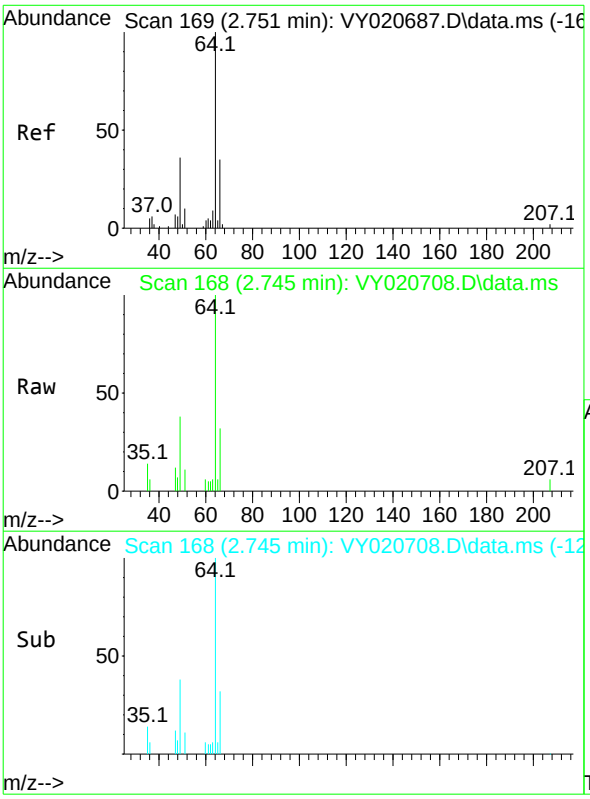
Ion	Ratio	Lower	Upper
94	100		
96	85.5	71.0	106.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

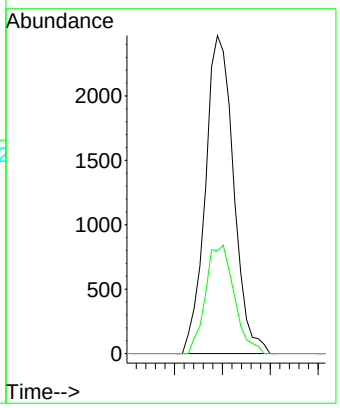
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

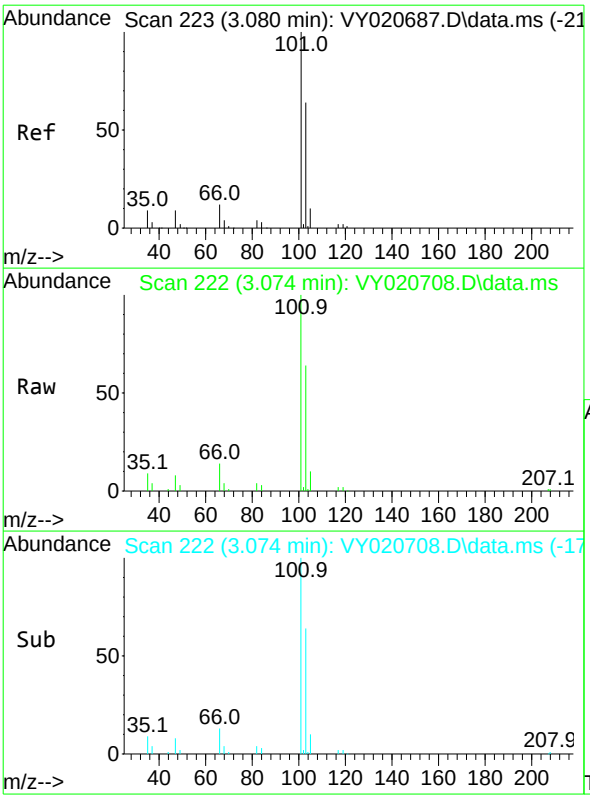


#6
Chloroethane
Concen: 18.687 ug/l
RT: 2.745 min Scan# 168
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 64 Resp: 5058

Ion	Ratio	Lower	Upper
64	100		
66	32.3	27.8	41.8

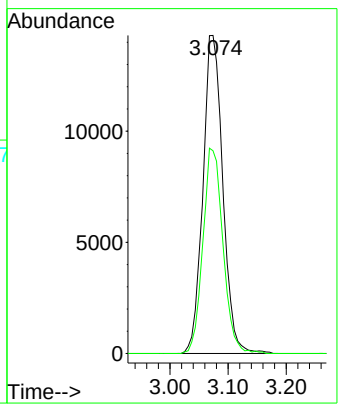




#7
Trichlorofluoromethane
Concen: 19.610 ug/l
RT: 3.074 min Scan# 22
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:101 Resp: 34026

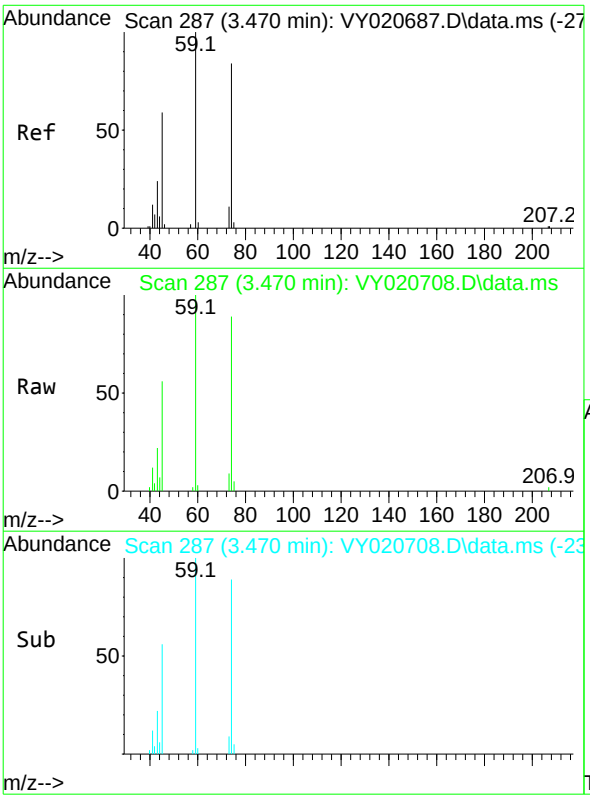
Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

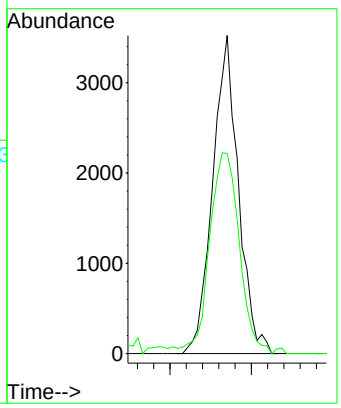
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

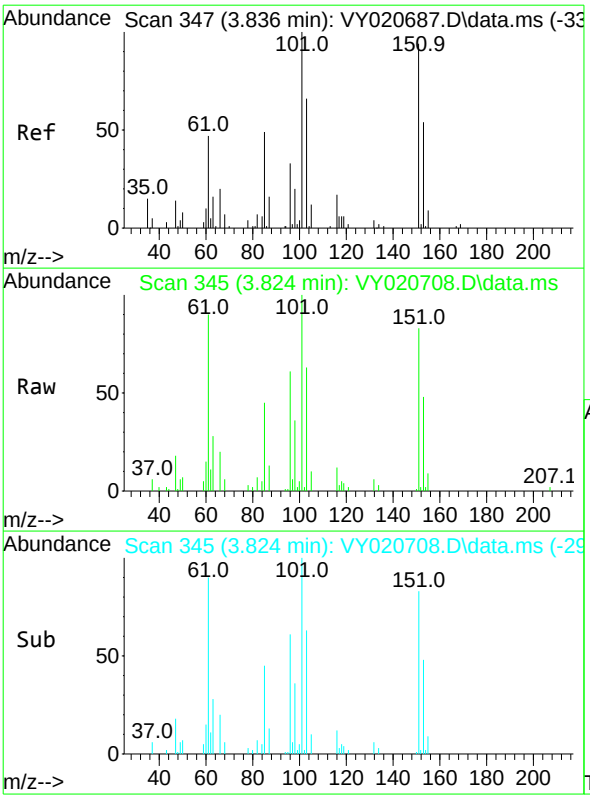


#8
Diethyl Ether
Concen: 18.739 ug/l
RT: 3.470 min Scan# 287
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 74 Resp: 7737

Ion	Ratio	Lower	Upper
74	100		
45	72.7	35.8	107.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.675 ug/l
RT: 3.824 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

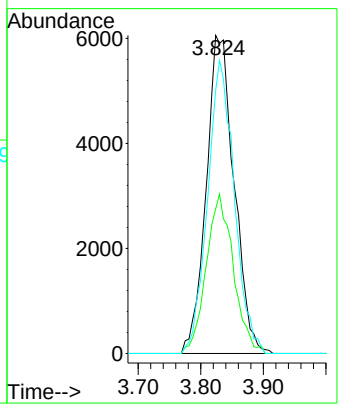
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

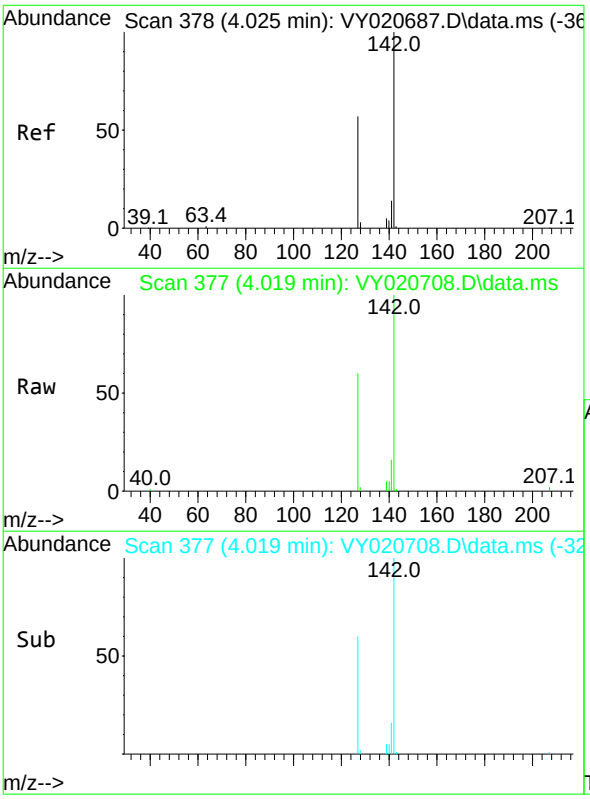
Tgt Ion:101 Resp: 18742

Ion	Ratio	Lower	Upper
101	100		
85	48.7	38.2	57.2
151	88.6	68.4	102.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

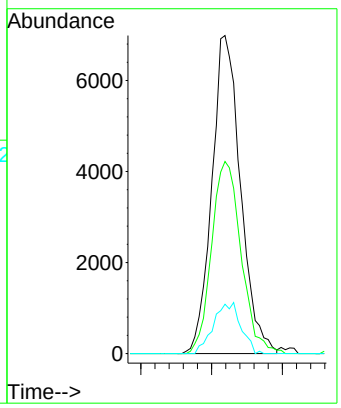


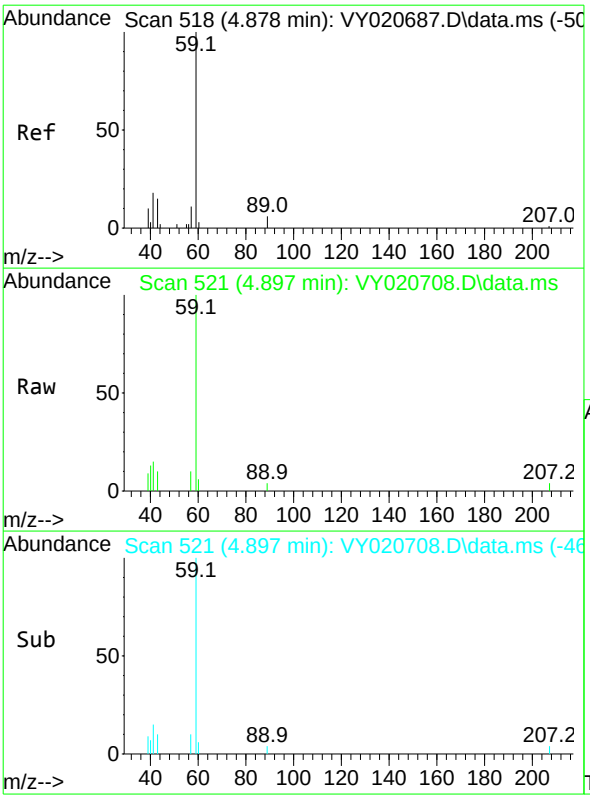


#10
Methyl Iodide
Concen: 18.866 ug/l
RT: 4.019 min Scan# 377
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:142 Resp: 19652

Ion	Ratio	Lower	Upper
142	100		
127	62.1	48.8	73.2
141	15.3	11.9	17.9

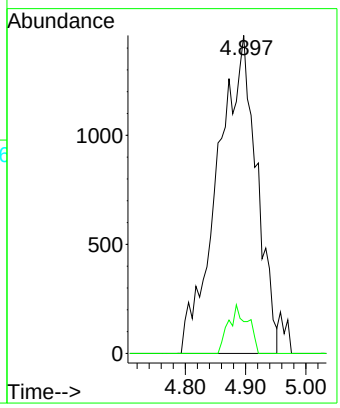




#11
Tert butyl alcohol
Concen: 90.235 ug/l
RT: 4.897 min Scan# 52
Delta R.T. 0.019 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 59 Resp: 6567

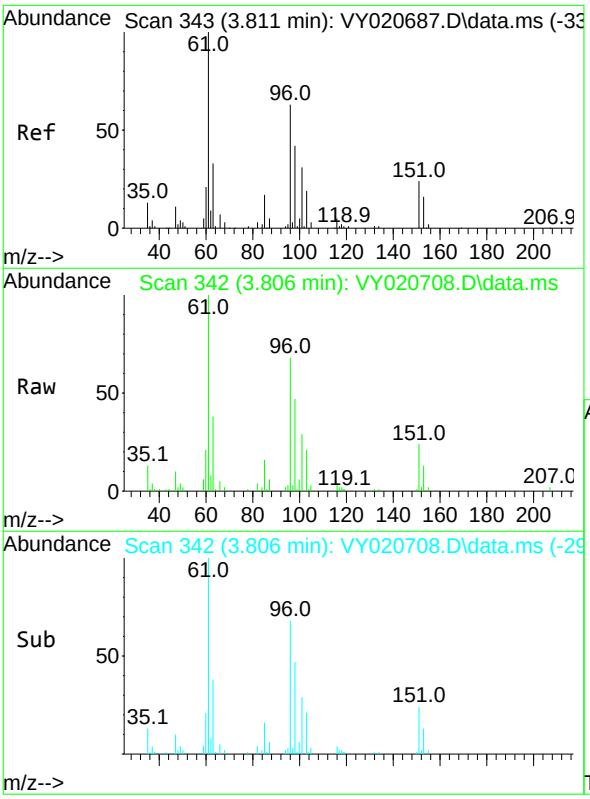
Ion	Ratio	Lower	Upper
59	100		
57	7.5	2.8	4.2#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

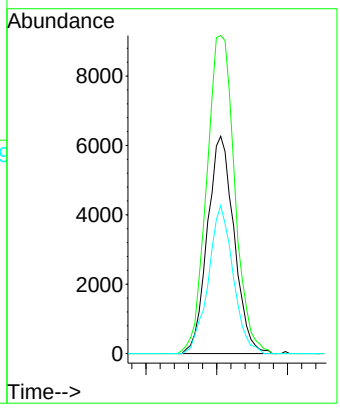
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

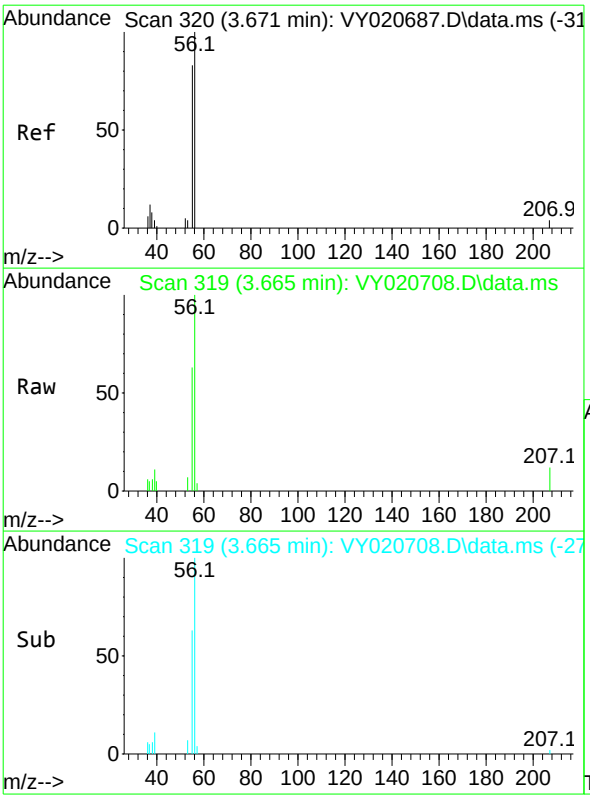


#12
1,1-Dichloroethene
Concen: 19.312 ug/l
RT: 3.806 min Scan# 342
Delta R.T. -0.005 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 96 Resp: 16374

Ion	Ratio	Lower	Upper
96	100		
61	146.3	127.1	190.7
98	68.1	53.4	80.0

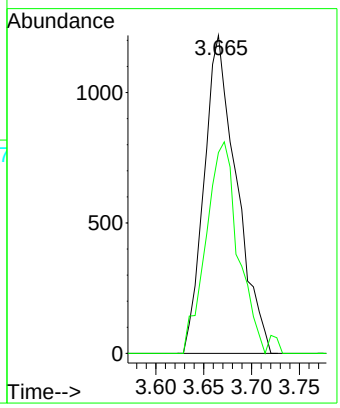




#13
Acrolein
Concen: 134.971 ug/l
RT: 3.665 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 56 Resp: 2867

Ion	Ratio	Lower	Upper
56	100		
55	66.0	57.0	85.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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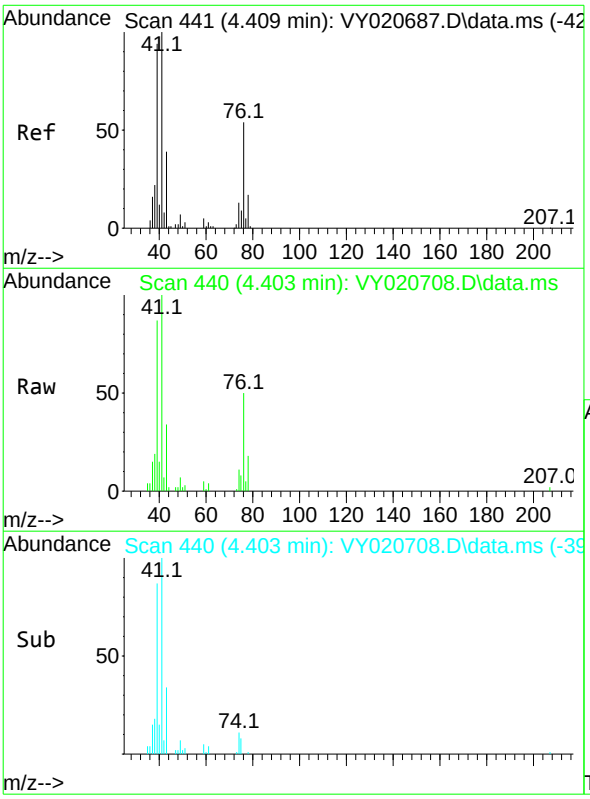
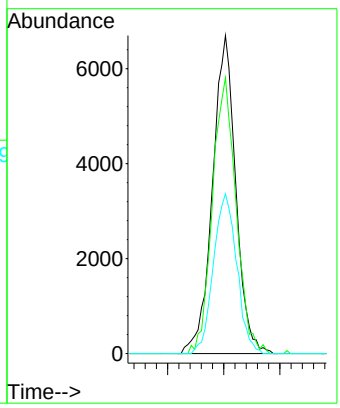
Supervised By :Semsettin Yesilyurt 12/27/2024

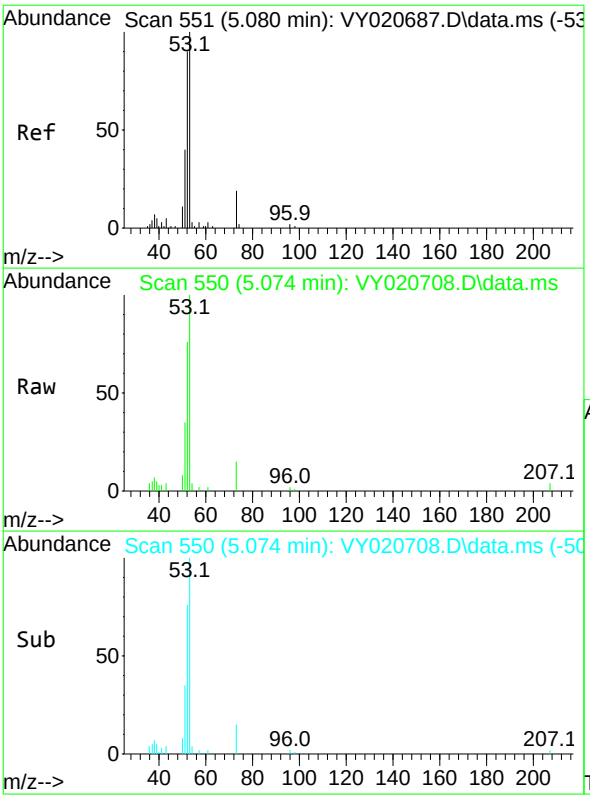


#14
Allyl chloride
Concen: 19.468 ug/l
RT: 4.403 min Scan# 440
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 41 Resp: 19316

Ion	Ratio	Lower	Upper
41	100		
39	87.9	73.5	110.3
76	50.2	41.8	62.8

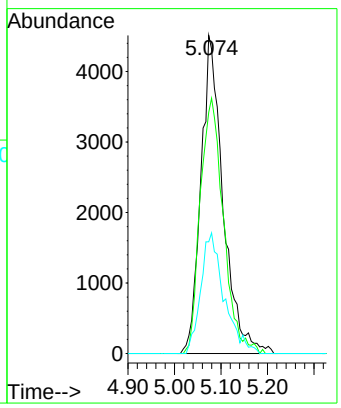




#15
Acrylonitrile
Concen: 93.535 ug/l
RT: 5.074 min Scan# 55
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 53 Resp: 14919

Ion	Ratio	Lower	Upper
53	100		
52	84.2	67.1	100.7
51	39.9	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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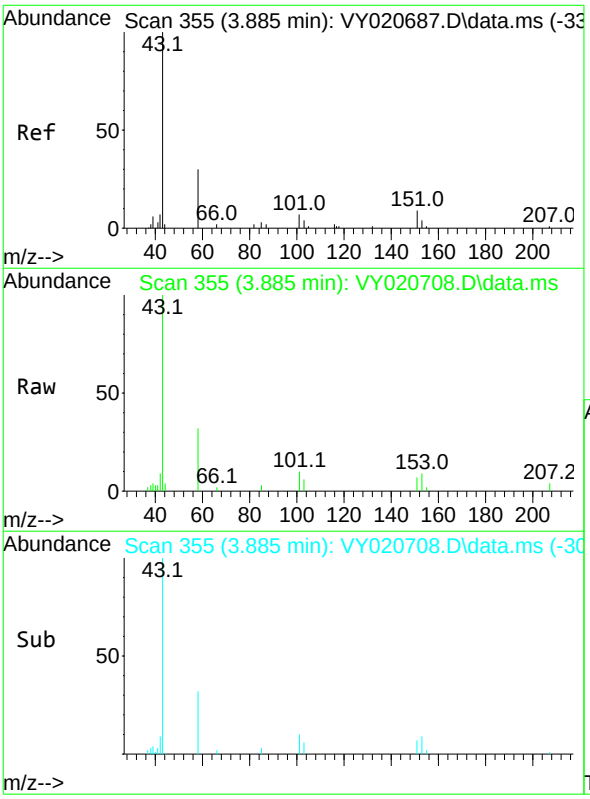
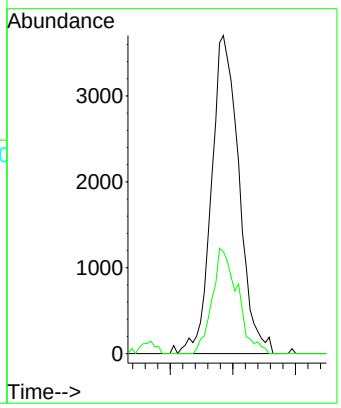
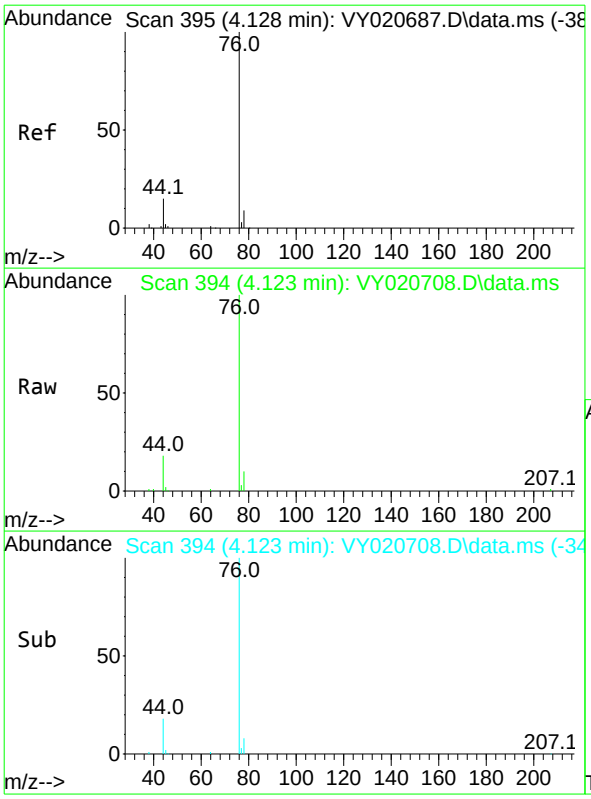


#16
Acetone
Concen: 87.443 ug/l
RT: 3.885 min Scan# 355
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 43 Resp: 11272

Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.0	37.6

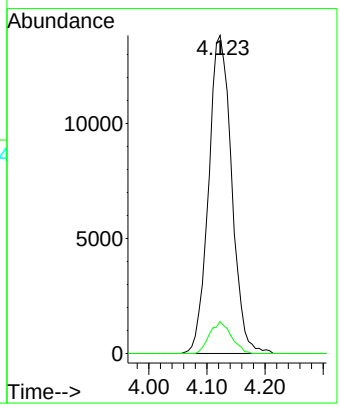




#17
Carbon Disulfide
Concen: 18.338 ug/l
RT: 4.123 min Scan# 39
Delta R.T. -0.005 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 76 Resp: 38140

Ion	Ratio	Lower	Upper
76	100		
78	10.0	6.9	10.3



Instrument :
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ClientSampleId :
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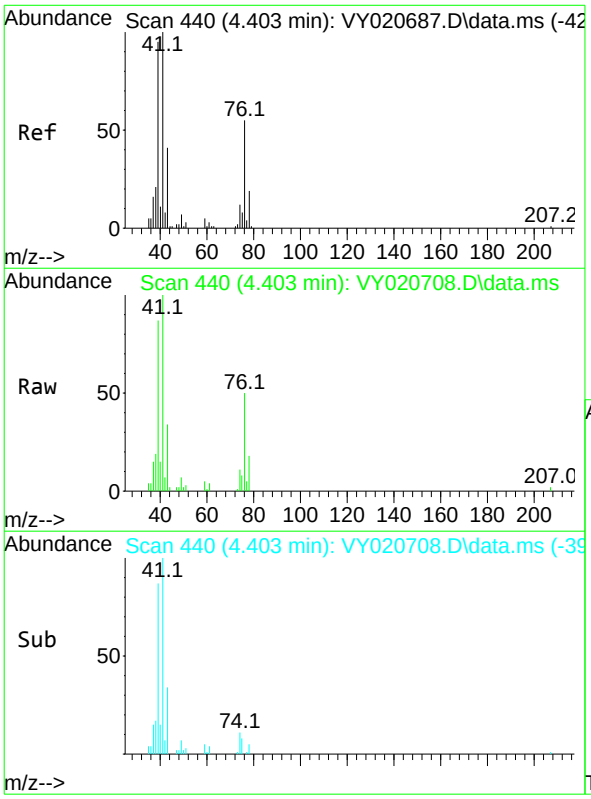
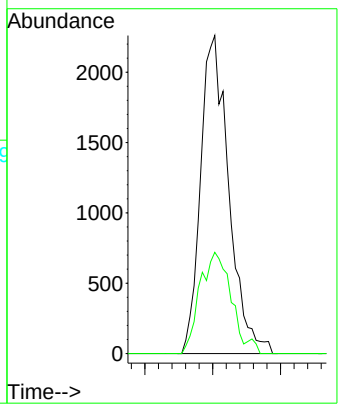
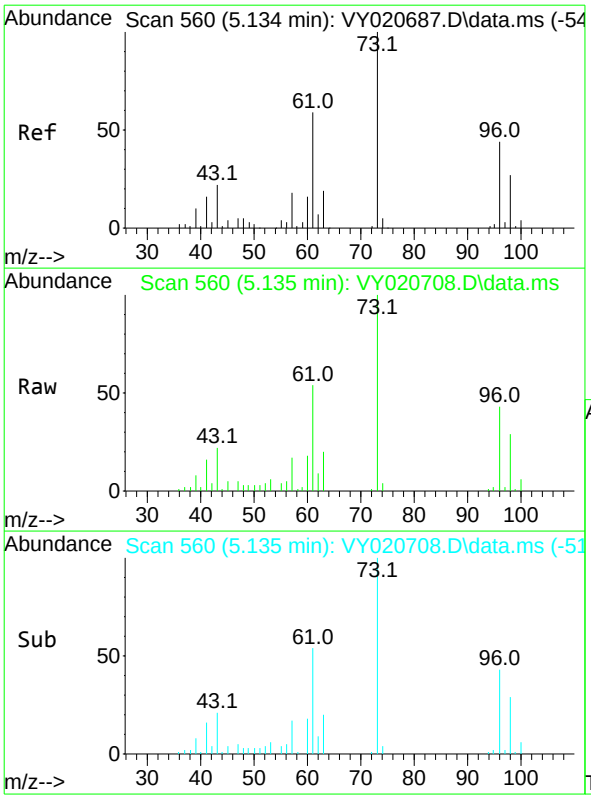


#18
Methyl Acetate
Concen: 18.708 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 43 Resp: 6527

Ion	Ratio	Lower	Upper
43	100		
74	35.6	25.3	37.9

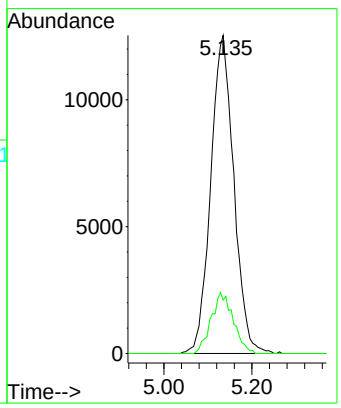




#19
Methyl tert-butyl Ether
Concen: 19.355 ug/l
RT: 5.135 min Scan# 56
Delta R.T. 0.001 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 73 Resp: 45739

Ion	Ratio	Lower	Upper
73	100		
57	16.8	14.4	21.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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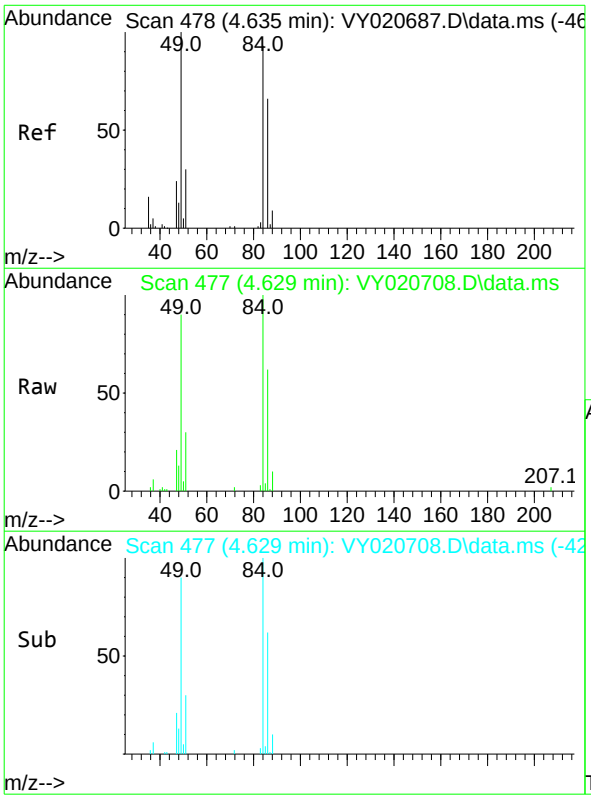
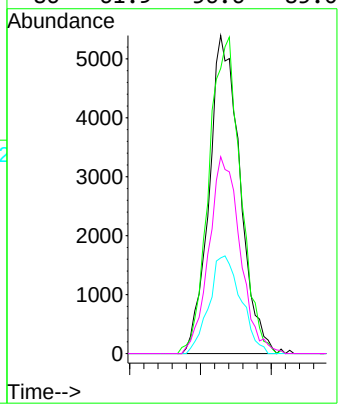
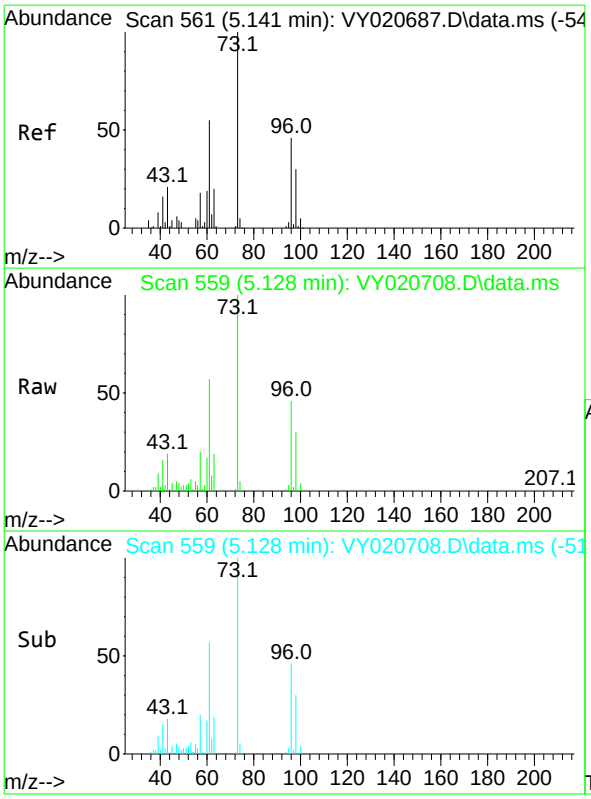


#20
Methylene Chloride
Concen: 19.426 ug/l
RT: 4.629 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 84 Resp: 16287

Ion	Ratio	Lower	Upper
84	100		
49	89.6	86.4	129.6
51	30.1	25.5	38.3
86	61.9	56.6	85.0

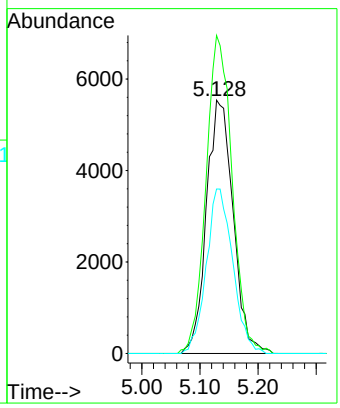




#21
trans-1,2-Dichloroethene
Concen: 19.342 ug/l
RT: 5.128 min Scan# 55
Delta R.T. -0.013 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 96 Resp: 17672

Ion	Ratio	Lower	Upper
96	100		
61	125.5	96.1	144.1
98	64.9	52.7	79.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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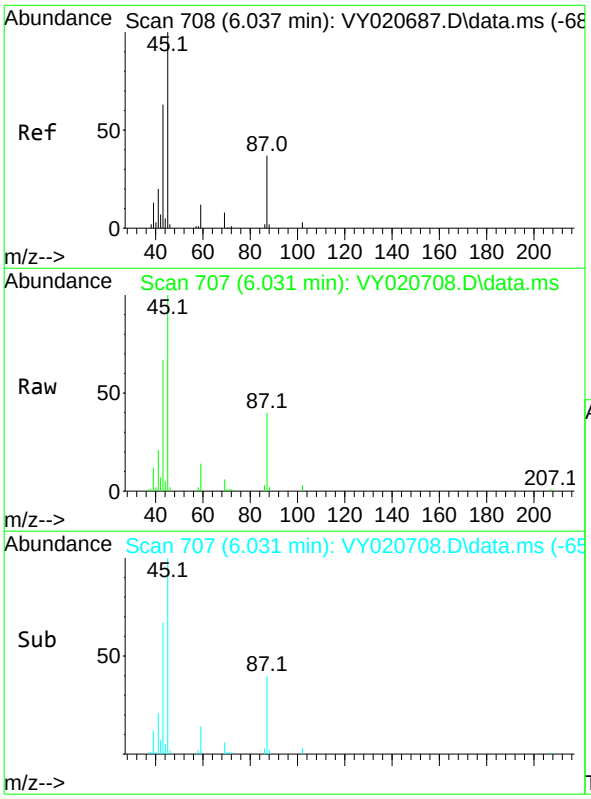
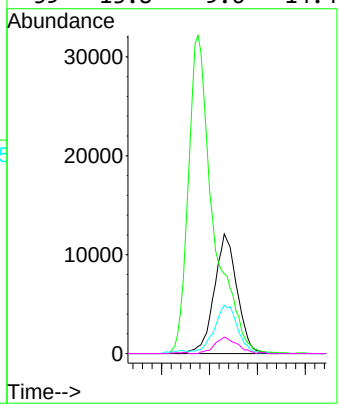
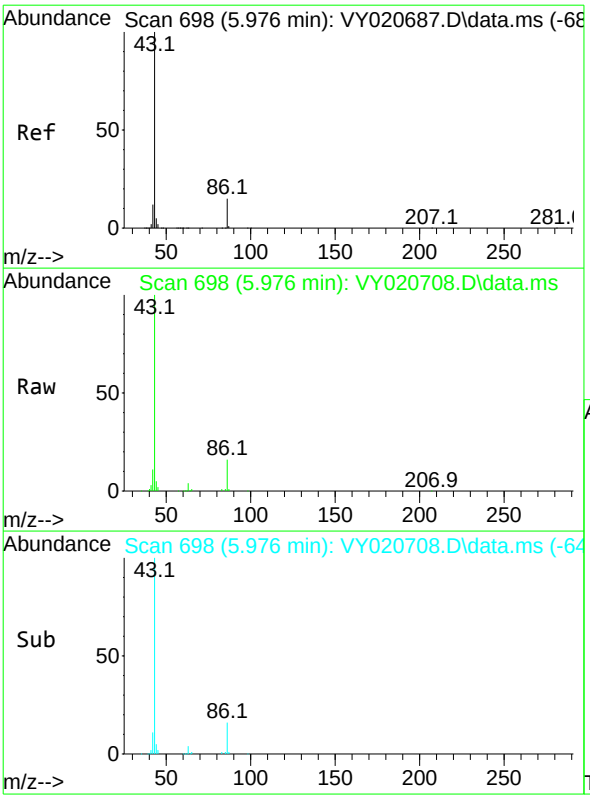


#22
Diisopropyl ether
Concen: 19.778 ug/l
RT: 6.031 min Scan# 707
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 45 Resp: 39891

Ion	Ratio	Lower	Upper
45	100		
43	65.8	51.3	76.9
87	40.5	30.6	46.0
59	13.8	9.6	14.4

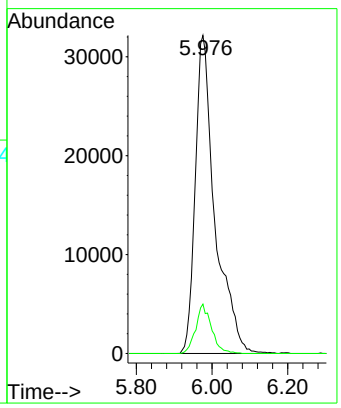




#23
Vinyl Acetate
Concen: 96.512 ug/l
RT: 5.976 min Scan# 69
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 43 Resp: 116269

Ion	Ratio	Lower	Upper
43	100		
86	15.5	12.0	18.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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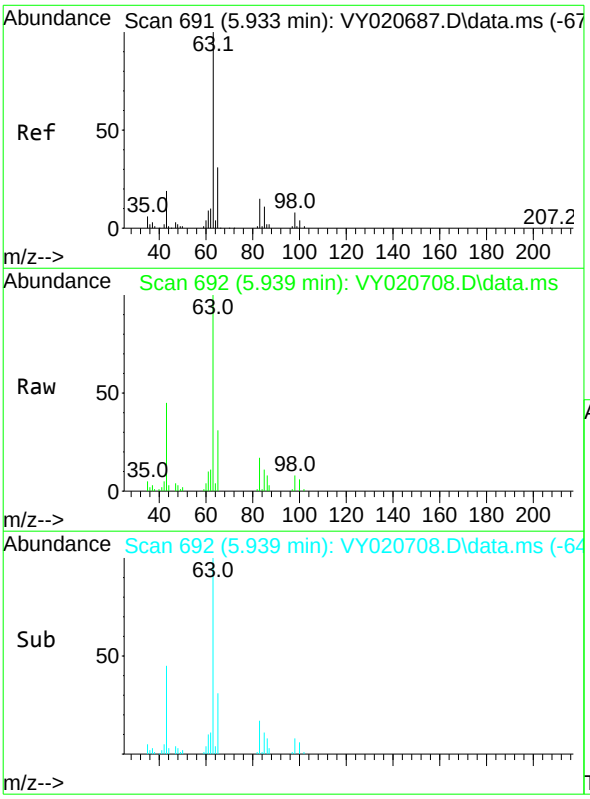
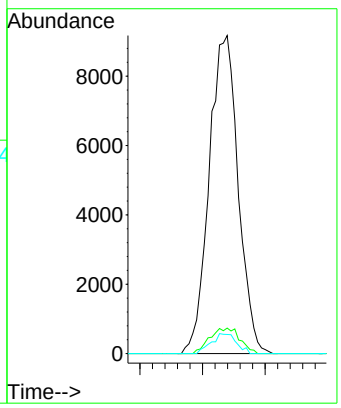
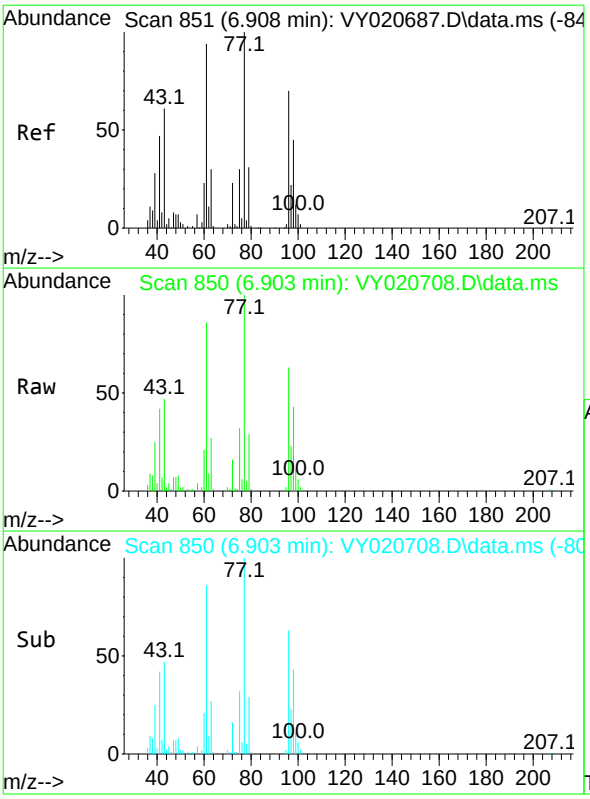


#24
1,1-Dichloroethane
Concen: 19.545 ug/l
RT: 5.939 min Scan# 692
Delta R.T. 0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 63 Resp: 29556

Ion	Ratio	Lower	Upper
63	100		
98	8.0	4.0	12.0
100	6.0	2.1	6.2





#25
2-Butanone
Concen: 93.814 ug/l
RT: 6.903 min Scan# 85
Delta R.T. -0.005 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 43 Resp: 16336

Ion	Ratio	Lower	Upper
43	100		
72	34.2	29.5	44.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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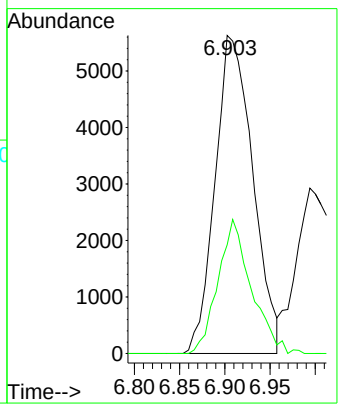
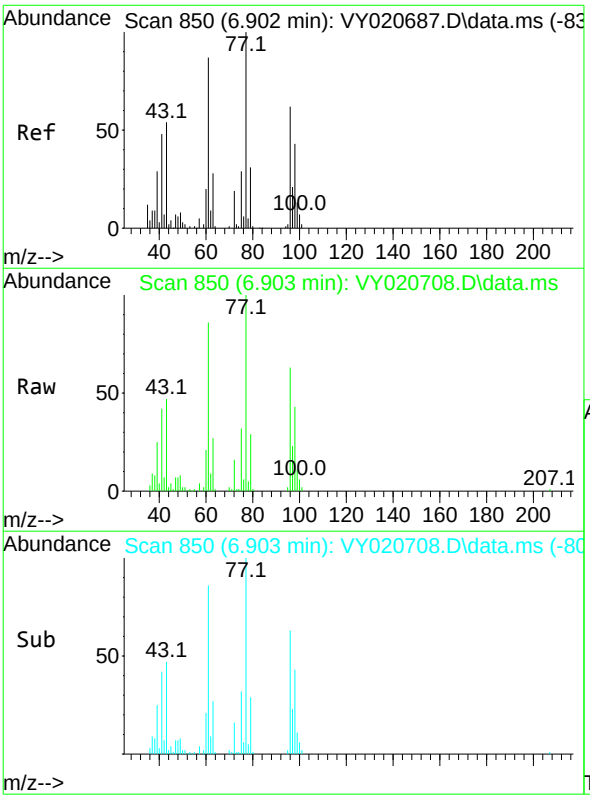
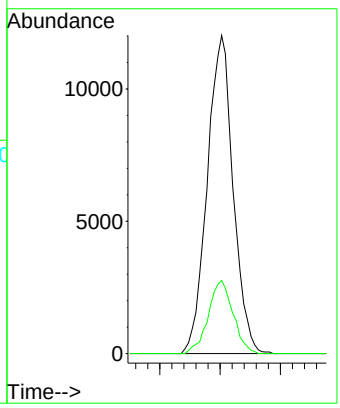


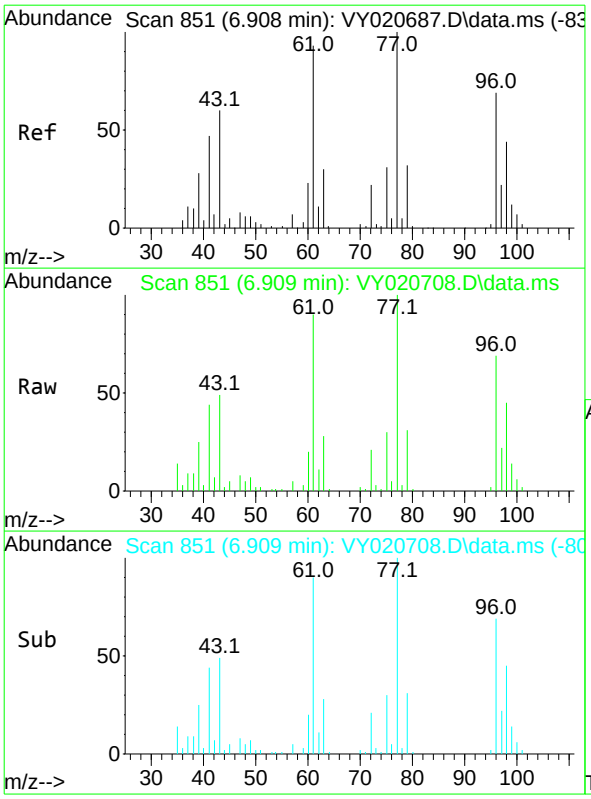


#26
2,2-Dichloropropane
Concen: 19.368 ug/l
RT: 6.903 min Scan# 850
Delta R.T. 0.001 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 77 Resp: 35847

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.8	32.4

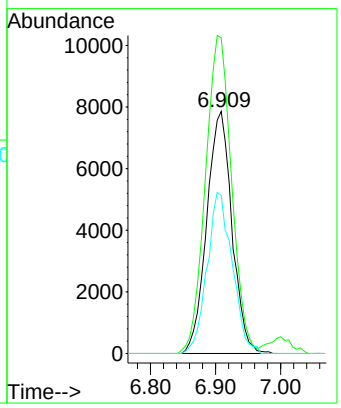




#27
cis-1,2-Dichloroethene
Concen: 19.320 ug/l
RT: 6.909 min Scan# 85
Delta R.T. 0.001 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 96 Resp: 21139

Ion	Ratio	Lower	Upper
96	100		
61	136.1	0.0	277.2
98	66.5	0.0	131.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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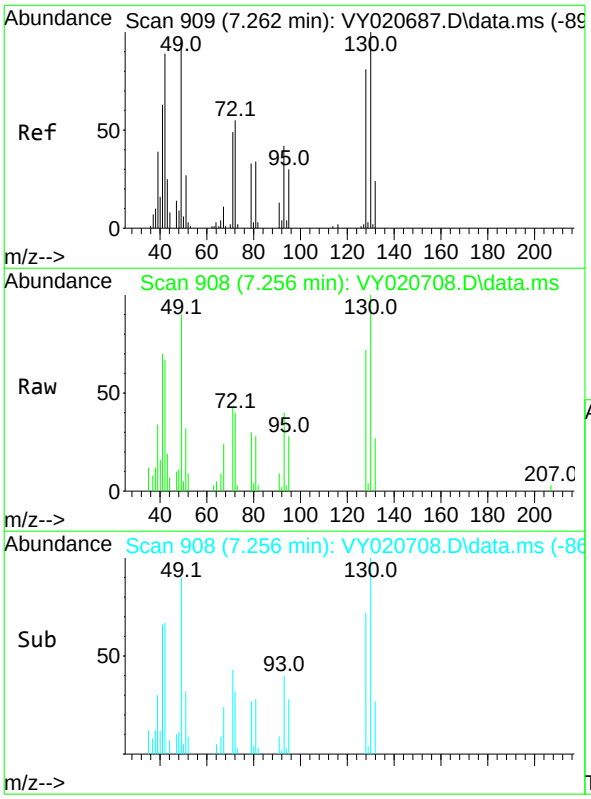
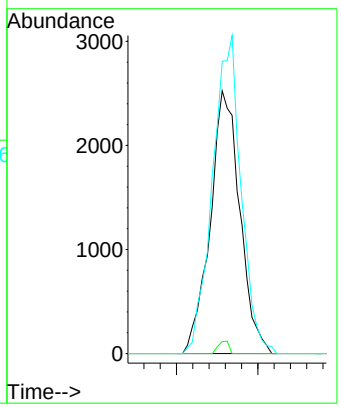
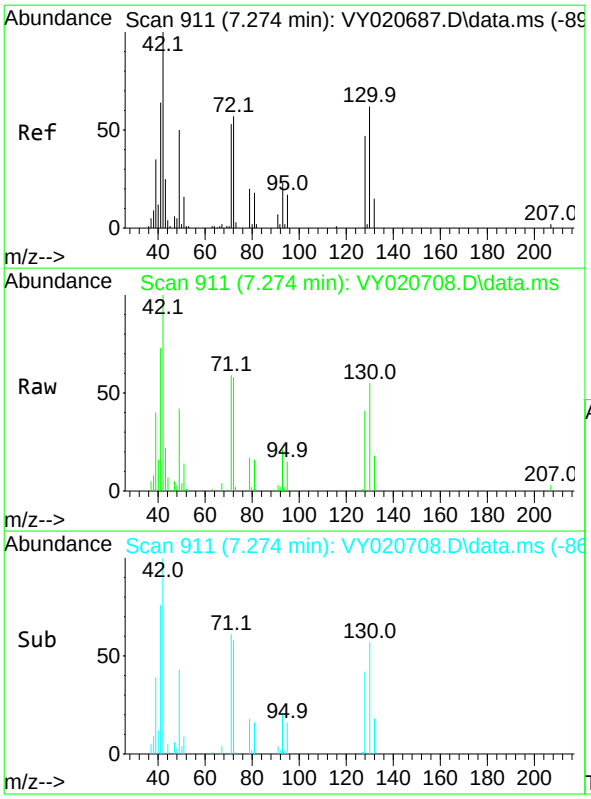


#28
Bromochloromethane
Concen: 15.974 ug/l
RT: 7.256 min Scan# 908
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 49 Resp: 6388

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	5.4
130	116.7	87.2	130.8

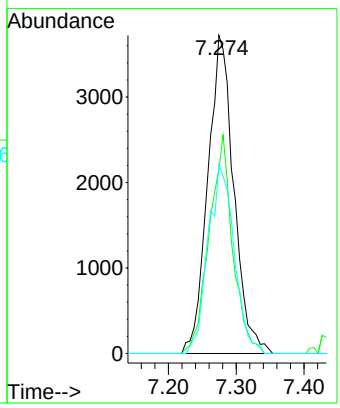




#29
Tetrahydrofuran
Concen: 92.698 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 42 Resp: 9908

Ion	Ratio	Lower	Upper
42	100		
72	62.0	47.4	71.0
71	59.8	42.8	64.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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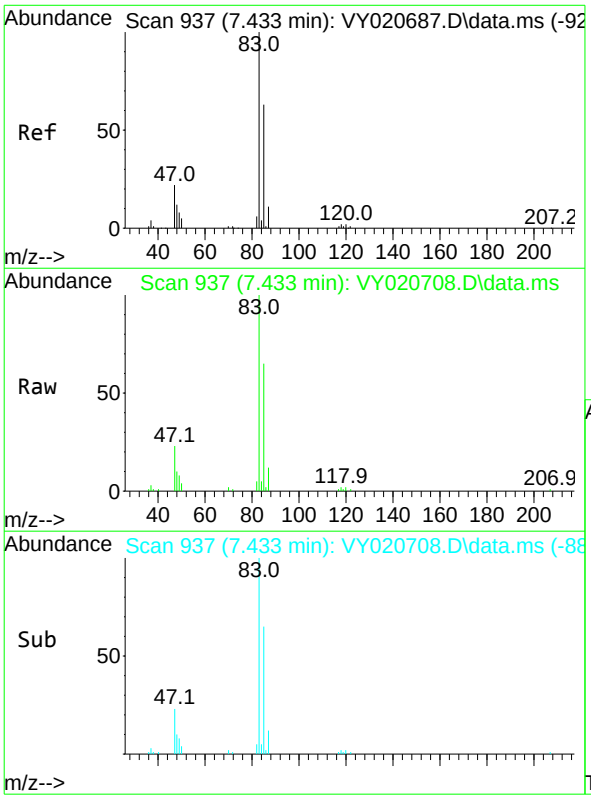
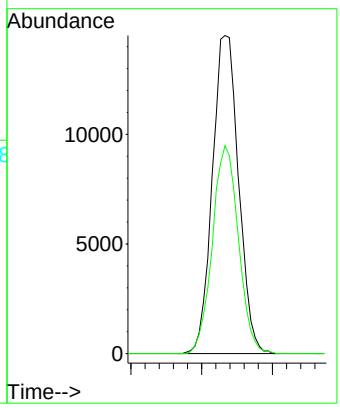
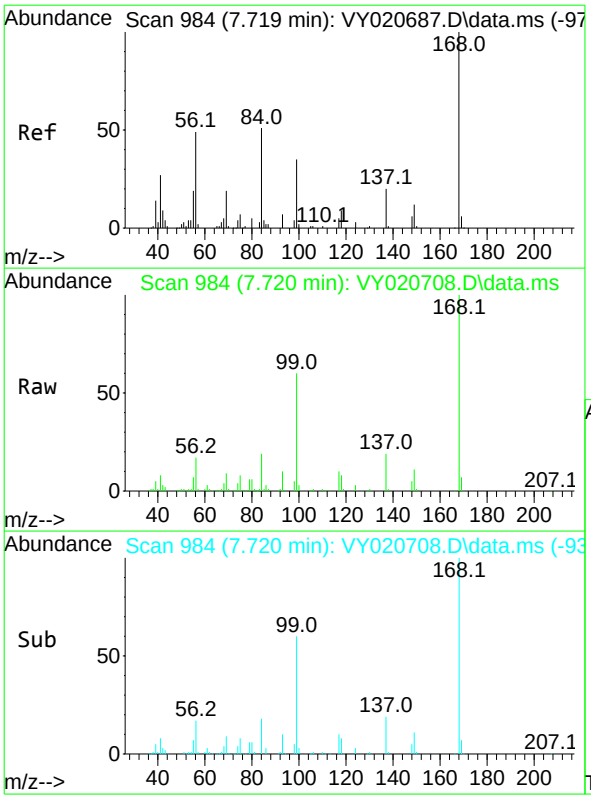


#30
Chloroform
Concen: 19.200 ug/l
RT: 7.433 min Scan# 937
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 83 Resp: 37350

Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.2	75.2

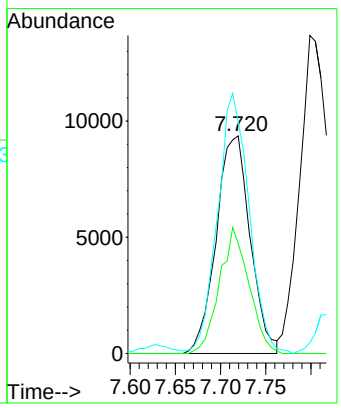




#31
Cyclohexane
Concen: 18.736 ug/l
RT: 7.720 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 56 Resp: 24456

Ion	Ratio	Lower	Upper
56	100		
69	50.5	31.3	46.9#
84	104.8	83.9	125.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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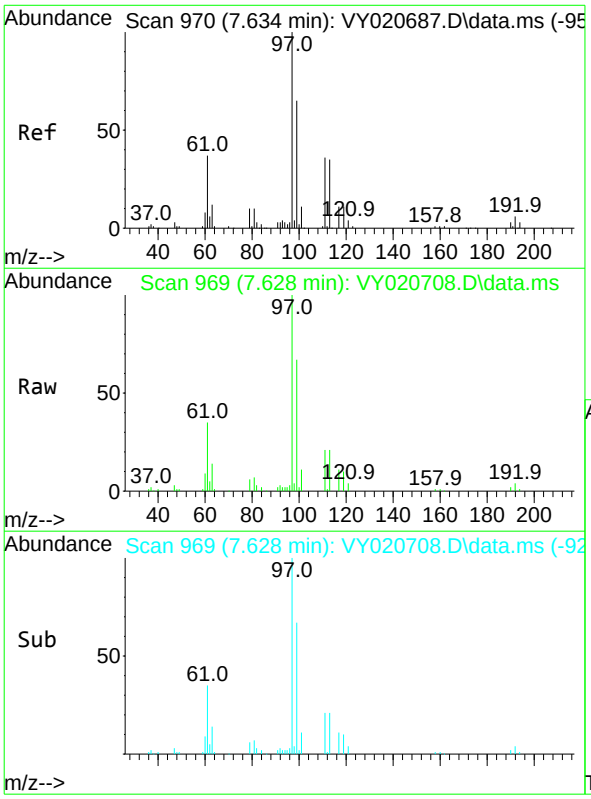
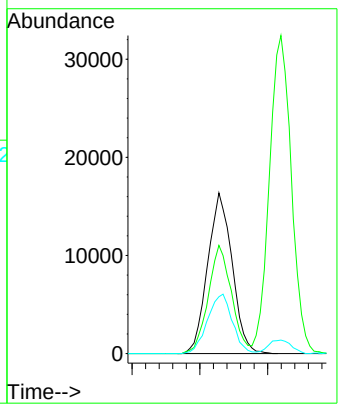
Supervised By :Semsettin Yesilyurt 12/27/2024

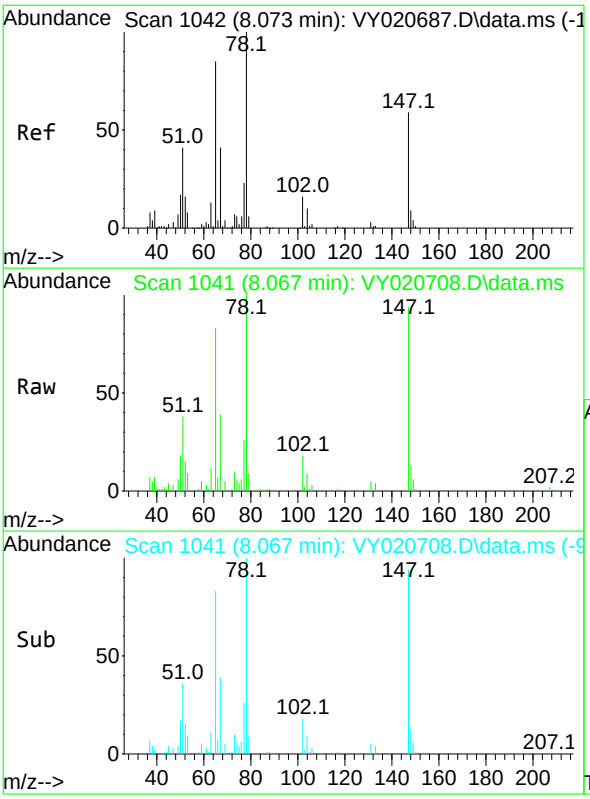


#32
1,1,1-Trichloroethane
Concen: 19.656 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 97 Resp: 40987

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.6
61	37.6	30.0	45.0

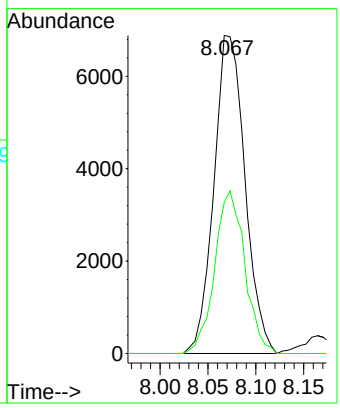




#33
1,2-Dichloroethane-d4
Concen: 15.300 ug/l
RT: 8.067 min Scan# 10
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 65 Resp: 15547

Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	98.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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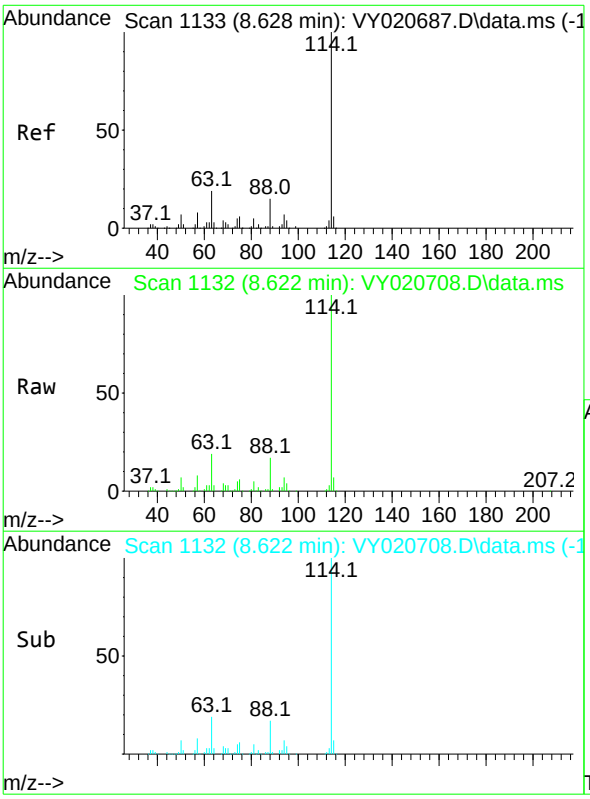
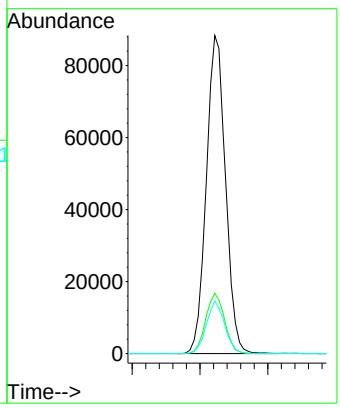
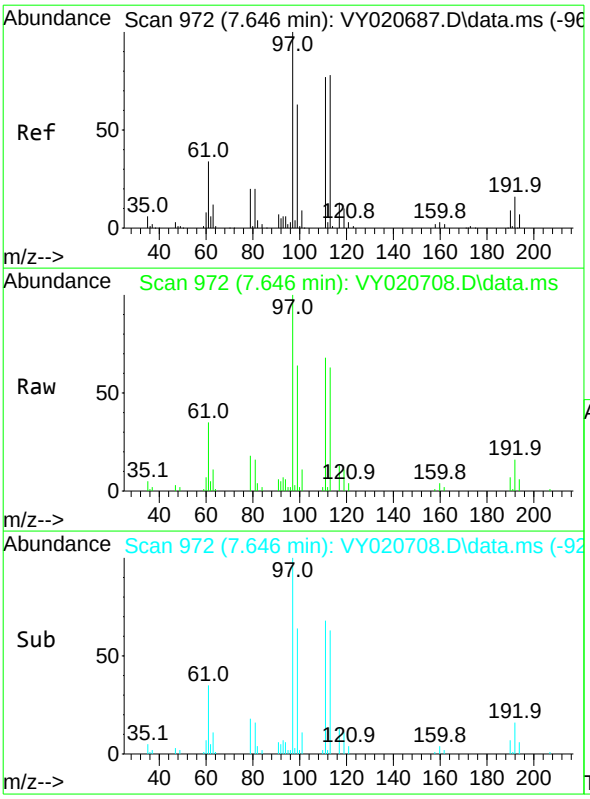


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:114 Resp: 173311

Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	38.4
88	16.6	0.0	30.4

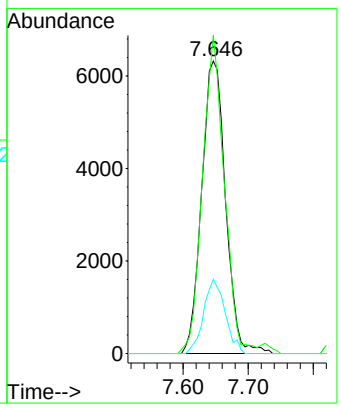




#35
Dibromofluoromethane
Concen: 16.876 ug/l
RT: 7.646 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:113 Resp: 16110

Ion	Ratio	Lower	Upper
113	100		
111	99.4	79.8	119.8
192	22.9	17.0	25.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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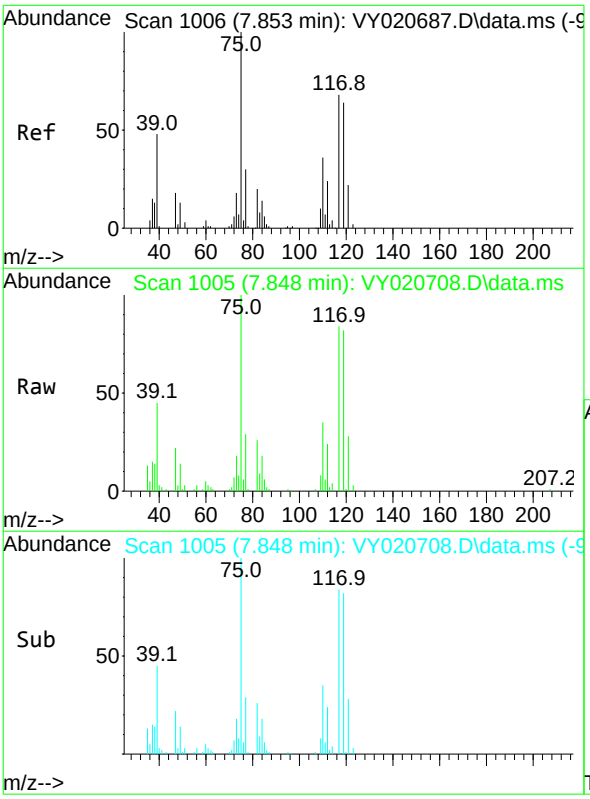
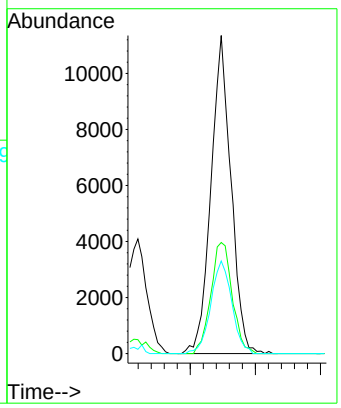
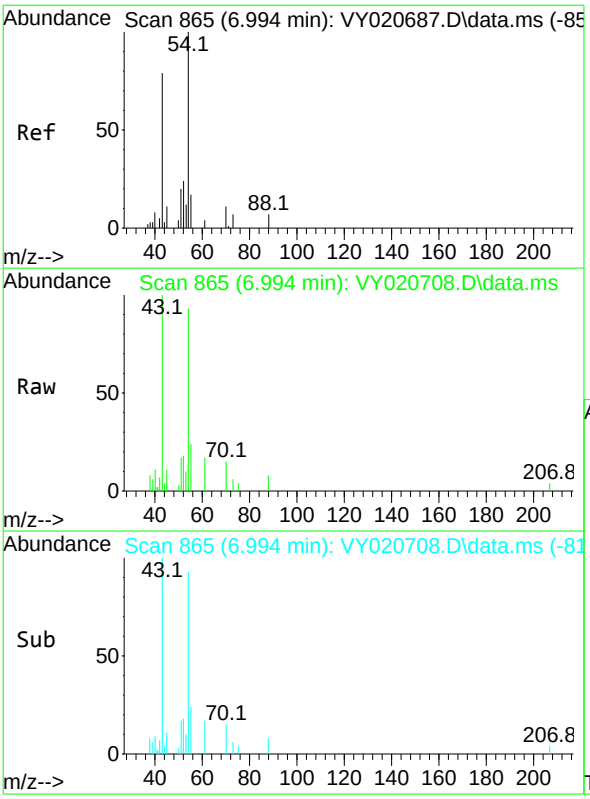


#36
1,1-Dichloropropene
Concen: 19.240 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. -0.005 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 75 Resp: 24262

Ion	Ratio	Lower	Upper
75	100		
110	37.3	19.6	58.7
77	30.6	25.1	37.7





#37
Ethyl Acetate
Concen: 19.972 ug/l
RT: 6.994 min Scan# 86
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 43 Resp: 8299

Ion	Ratio	Lower	Upper
43	100		
61	16.3	11.7	17.5
70	12.5	11.0	16.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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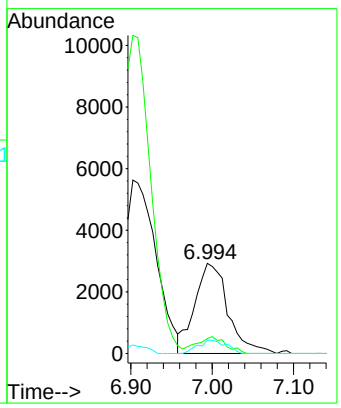
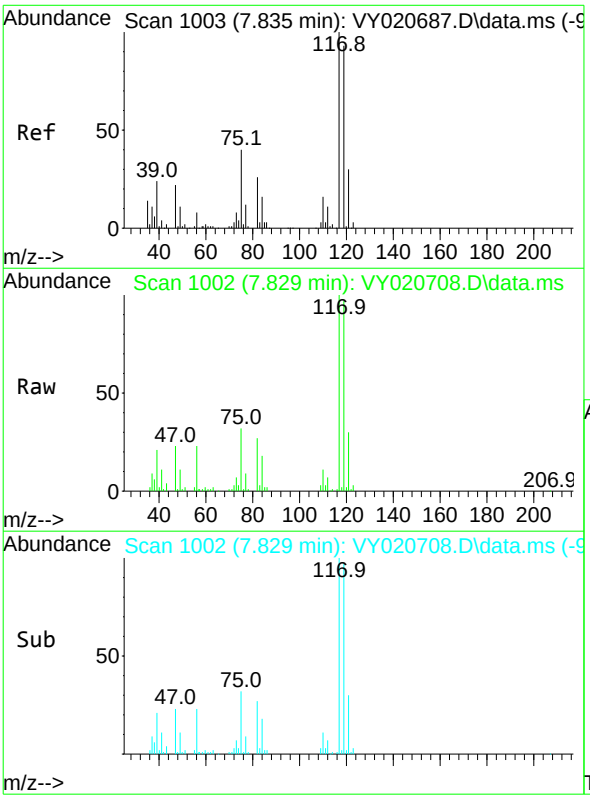
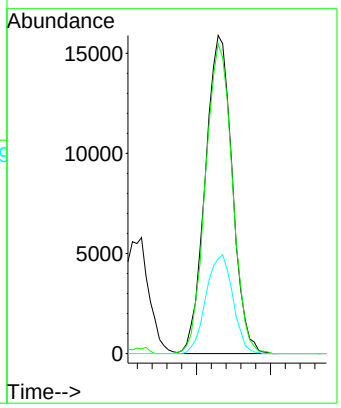


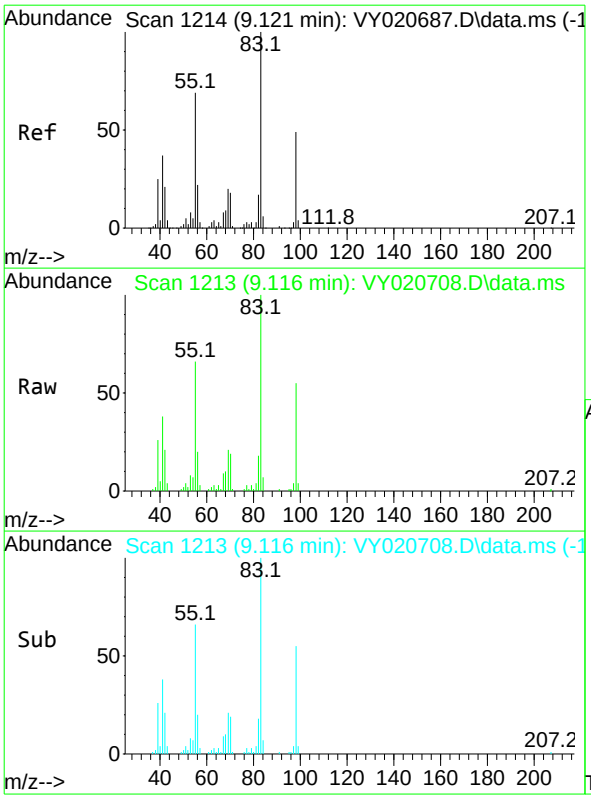


#38
Carbon Tetrachloride
Concen: 19.409 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:117 Resp: 40302

Ion	Ratio	Lower	Upper
117	100		
119	97.4	74.4	111.6
121	29.8	24.2	36.2





#39
Methylcyclohexane
Concen: 19.803 ug/l
RT: 9.116 min Scan# 12
Delta R.T. -0.005 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 32007

Ion	Ratio	Lower	Upper
83	100		
55	65.7	55.0	82.4
98	54.9	39.0	58.6

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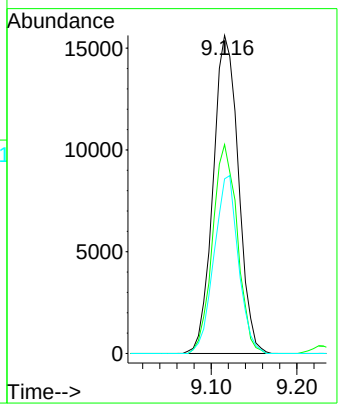
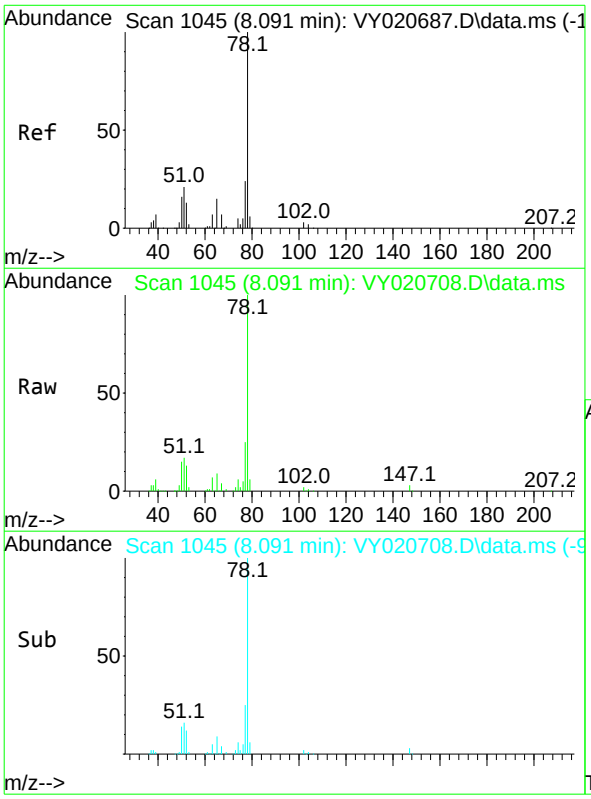
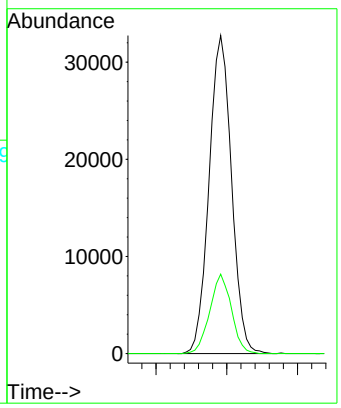


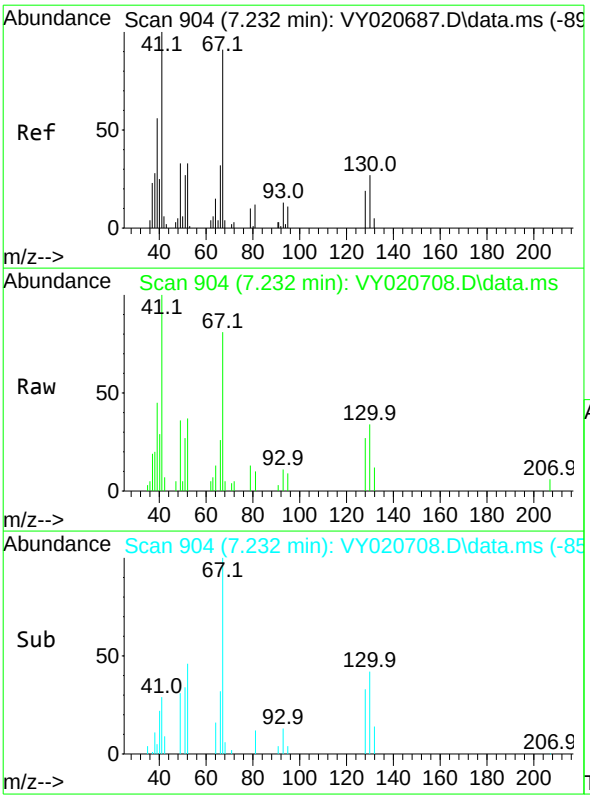


#40
Benzene
Concen: 19.731 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 78 Resp: 72108

Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.2	28.8

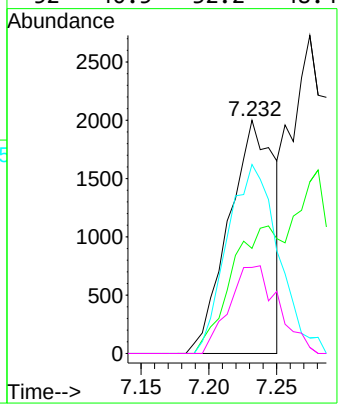




#41
Methacrylonitrile
Concen: 22.206 ug/l
RT: 7.232 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 41 Resp: 4661

Ion	Ratio	Lower	Upper
41	100		
39	62.7	46.6	70.0
67	92.0	74.7	112.1
52	40.5	32.2	48.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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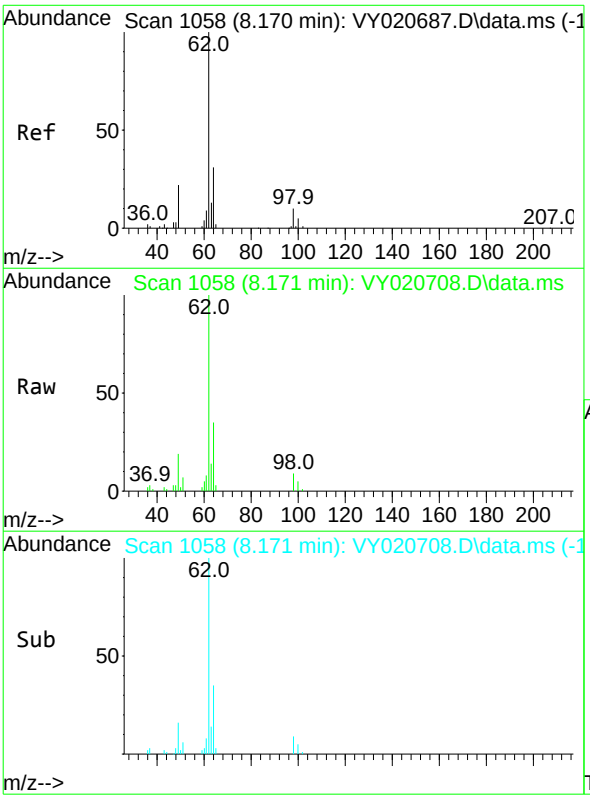
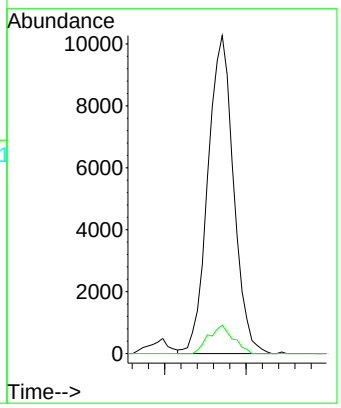
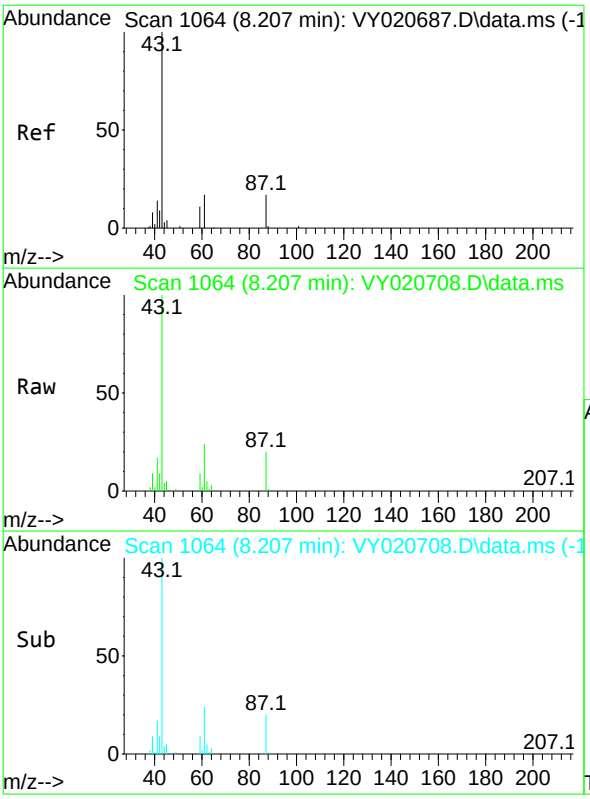


#42
1,2-Dichloroethane
Concen: 19.227 ug/l
RT: 8.171 min Scan# 1058
Delta R.T. 0.001 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 62 Resp: 22531

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.6

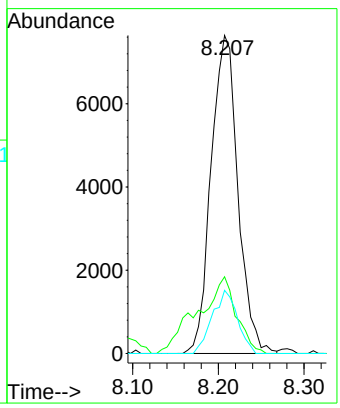




#43
Isopropyl Acetate
Concen: 18.834 ug/l
RT: 8.207 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 43 Resp: 16635

Ion	Ratio	Lower	Upper
43	100		
61	34.9	27.0	40.4
87	18.6	14.2	21.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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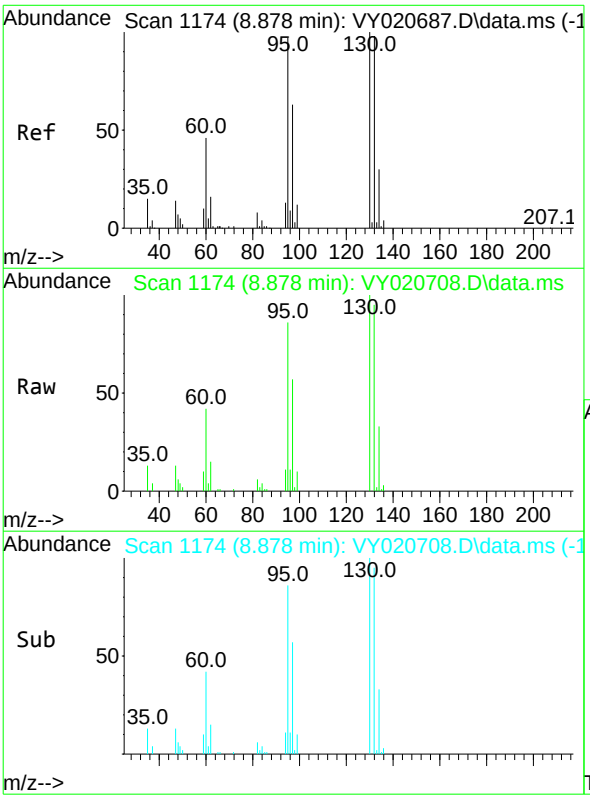
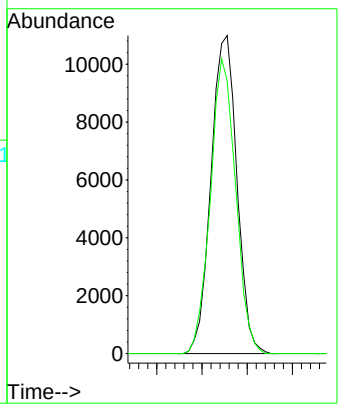
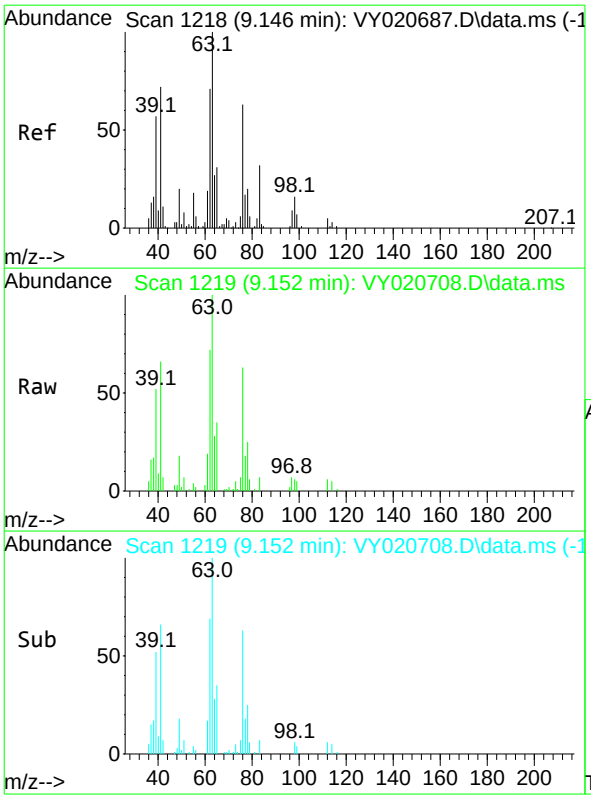


#44
Trichloroethene
Concen: 20.026 ug/l
RT: 8.878 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:130 Resp: 21859

Ion	Ratio	Lower	Upper
130	100		
95	85.7	0.0	194.8

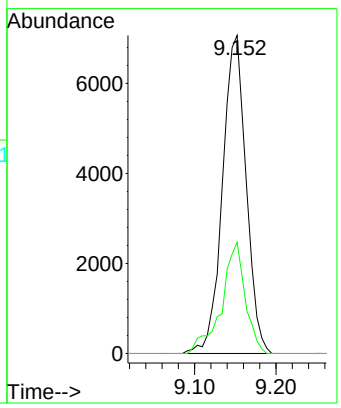




#45
1,2-Dichloropropane
Concen: 19.256 ug/l
RT: 9.152 min Scan# 12
Delta R.T. 0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 63 Resp: 14245

Ion	Ratio	Lower	Upper
63	100		
65	35.0	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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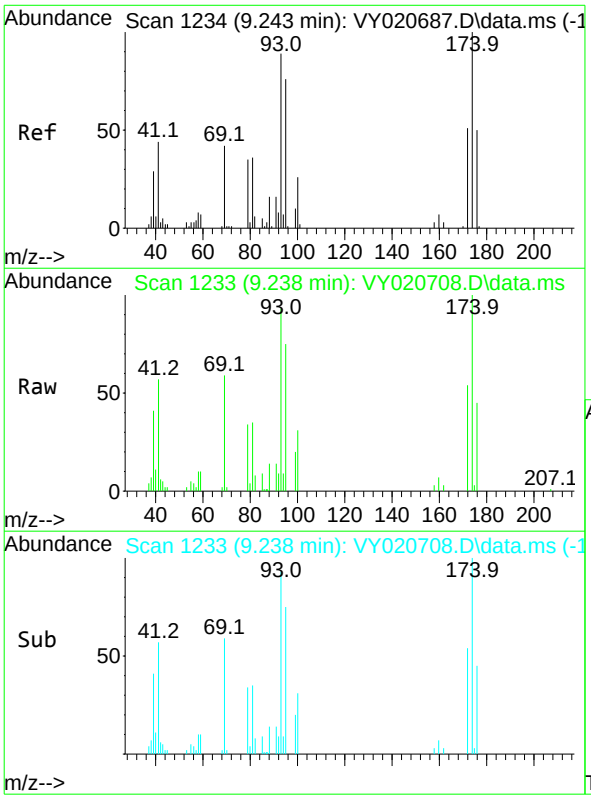
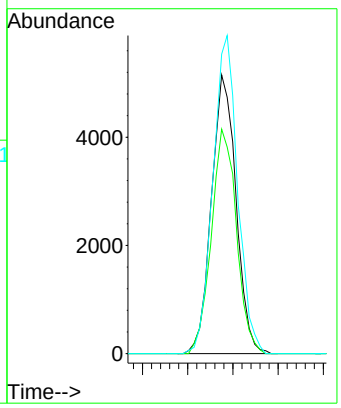
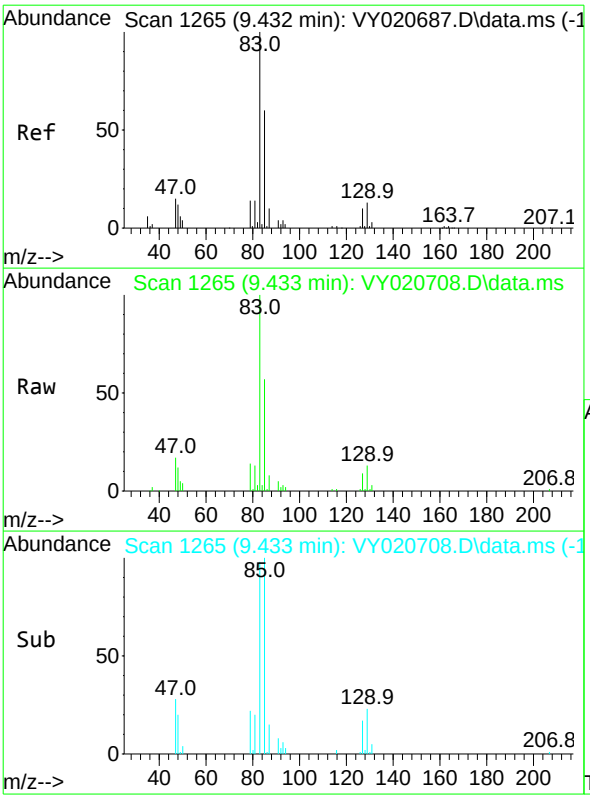


#46
Dibromomethane
Concen: 18.988 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. -0.005 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 93 Resp: 9719

Ion	Ratio	Lower	Upper
93	100		
95	82.2	67.8	101.8
174	114.7	89.4	134.0

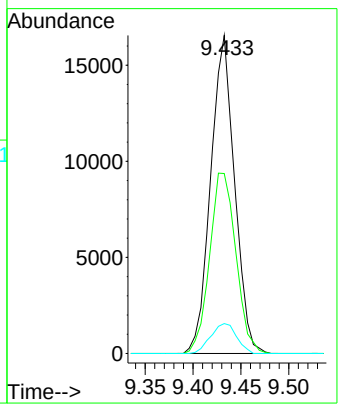




#47
Bromodichloromethane
Concen: 19.803 ug/l
RT: 9.433 min Scan# 12
Delta R.T. 0.001 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 83 Resp: 28737

Ion	Ratio	Lower	Upper
83	100		
85	56.6	47.6	71.4
127	9.4	7.9	11.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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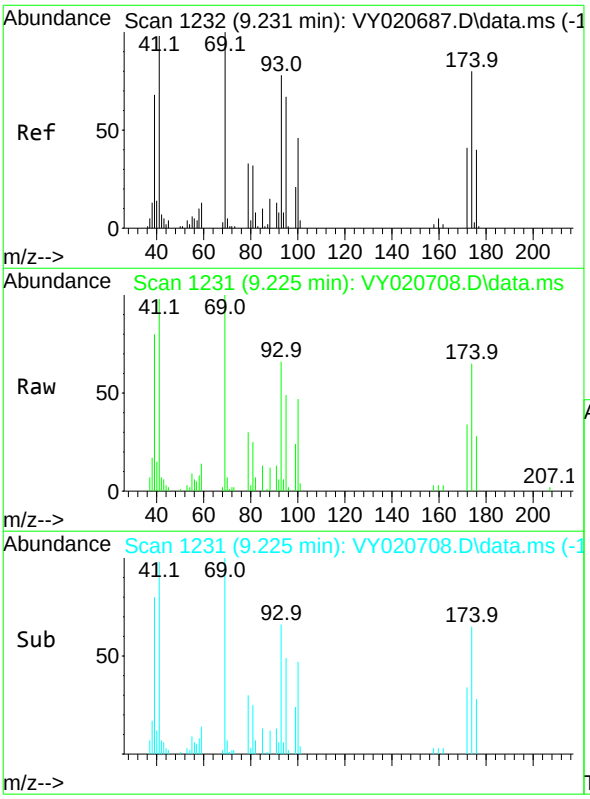
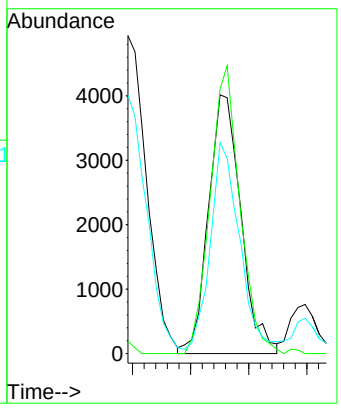
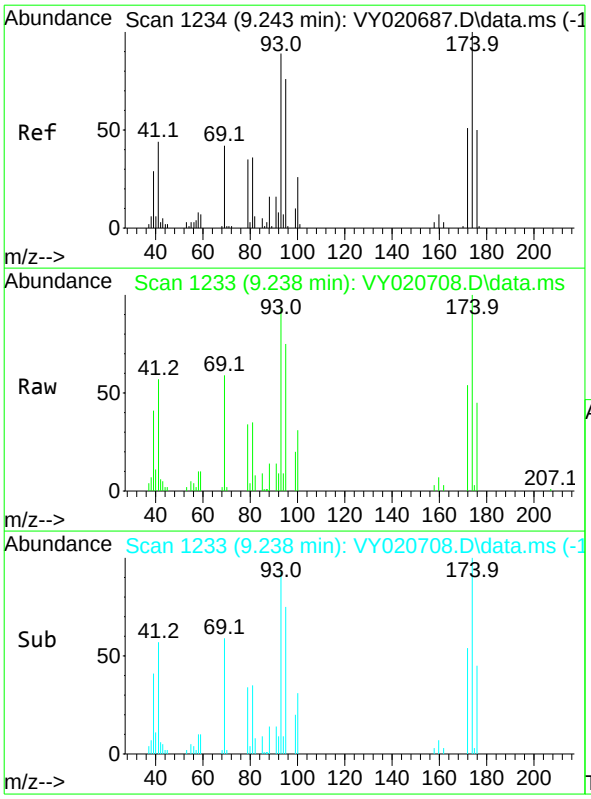


#48
Methyl methacrylate
Concen: 18.879 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 41 Resp: 7787

Ion	Ratio	Lower	Upper
41	100		
69	101.9	83.1	124.7
39	72.1	57.3	85.9

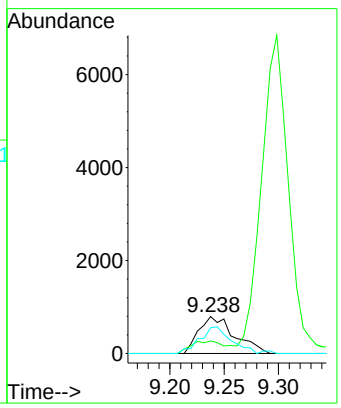




#49
1,4-Dioxane
Concen: 374.309 ug/l
RT: 9.238 min Scan# 12
Delta R.T. -0.005 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 88 Resp: 1825

Ion	Ratio	Lower	Upper
88	100		
43	28.3	22.1	33.1
58	64.8	46.7	70.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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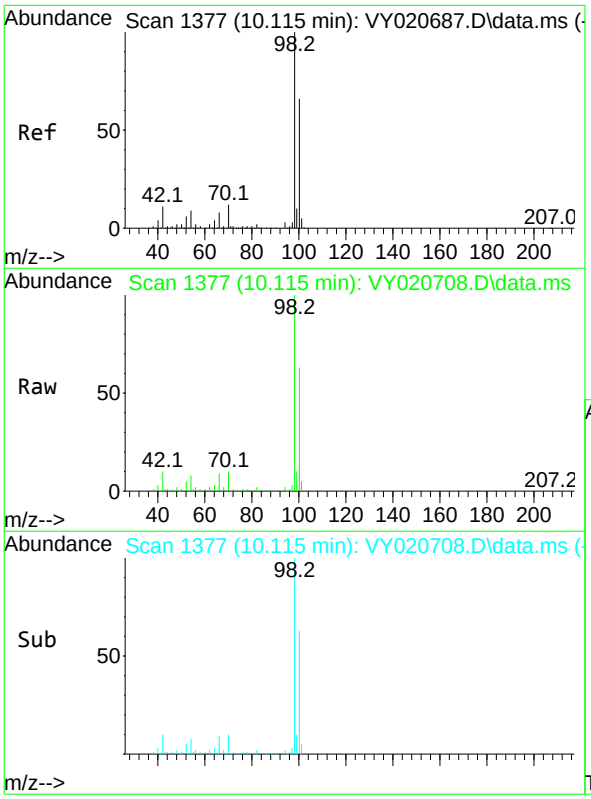
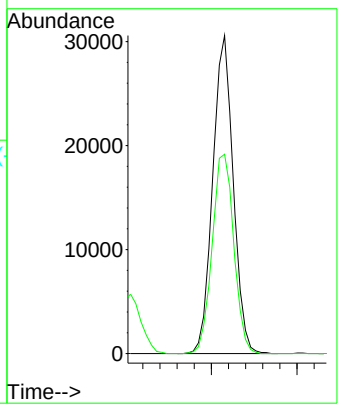
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

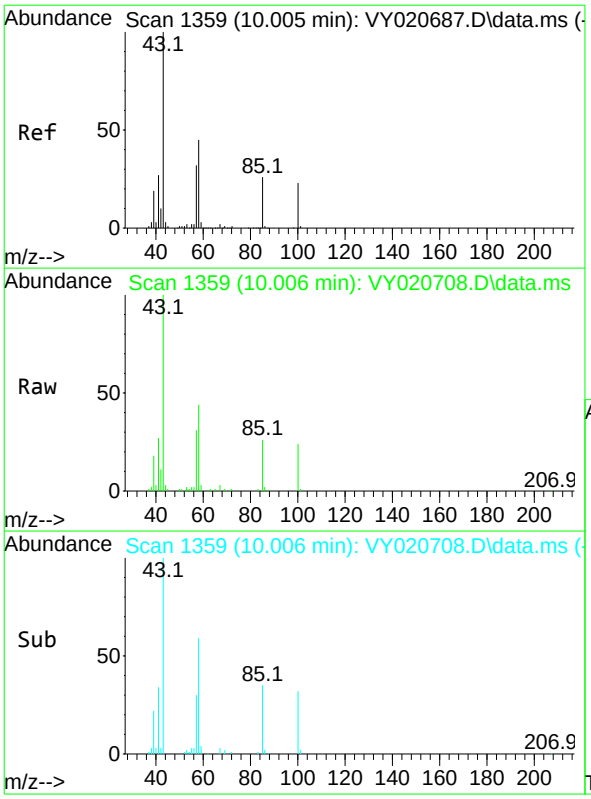


#50
Toluene-d8
Concen: 14.644 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 98 Resp: 50794

Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.2	78.4

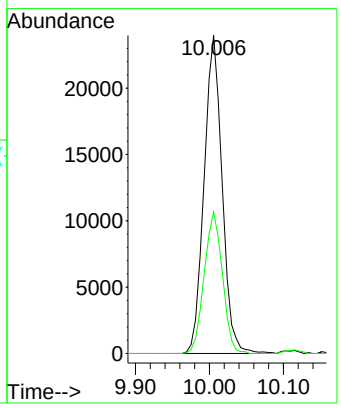




#51
4-Methyl-2-Pentanone
Concen: 95.218 ug/l
RT: 10.006 min Scan# 13
Delta R.T. 0.001 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 43 Resp: 40592

Ion	Ratio	Lower	Upper
43	100		
58	44.8	35.1	52.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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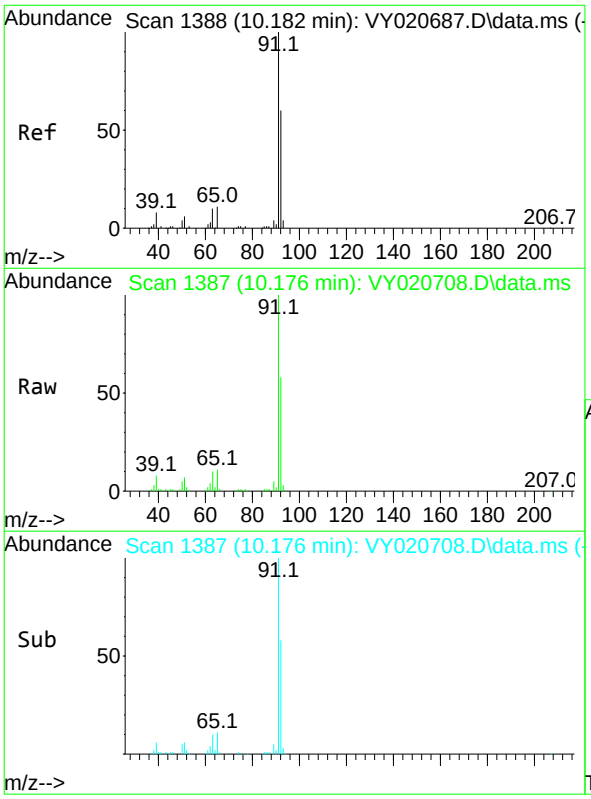
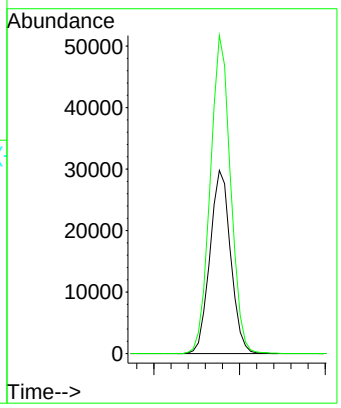
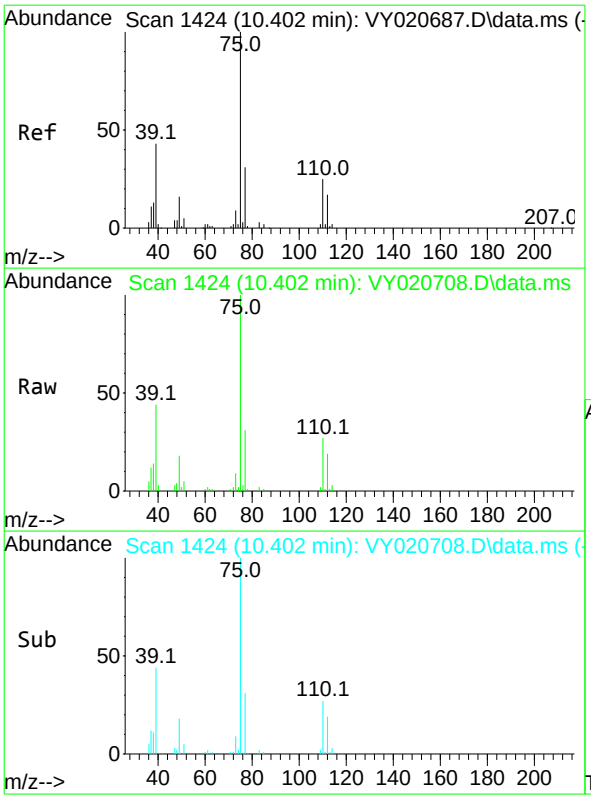


#52
Toluene
Concen: 19.986 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 92 Resp: 50060

Ion	Ratio	Lower	Upper
92	100		
91	170.5	137.7	206.5

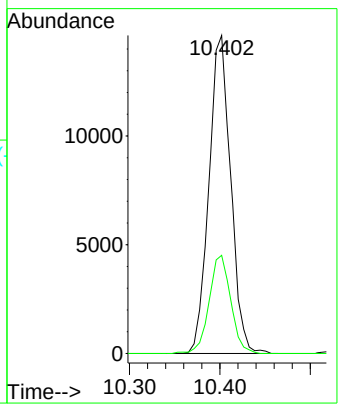




#53
t-1,3-Dichloropropene
Concen: 19.166 ug/l
RT: 10.402 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 75 Resp: 24428

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.1	37.7



Instrument :
MSVOA_Y
ClientSampleId :
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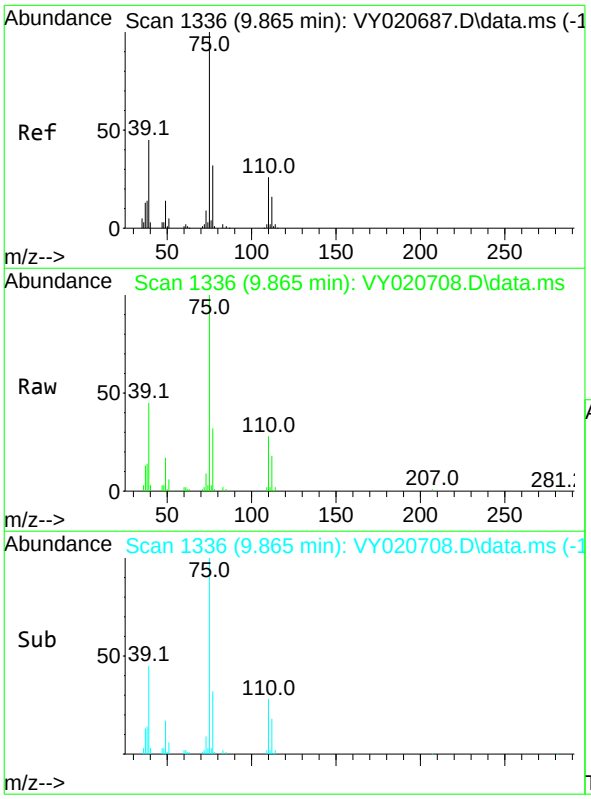
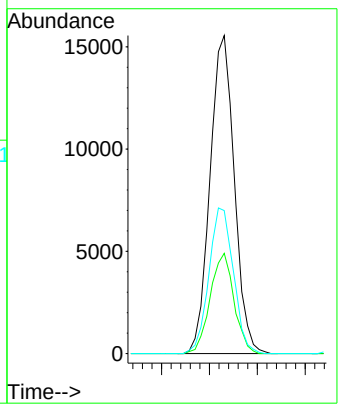
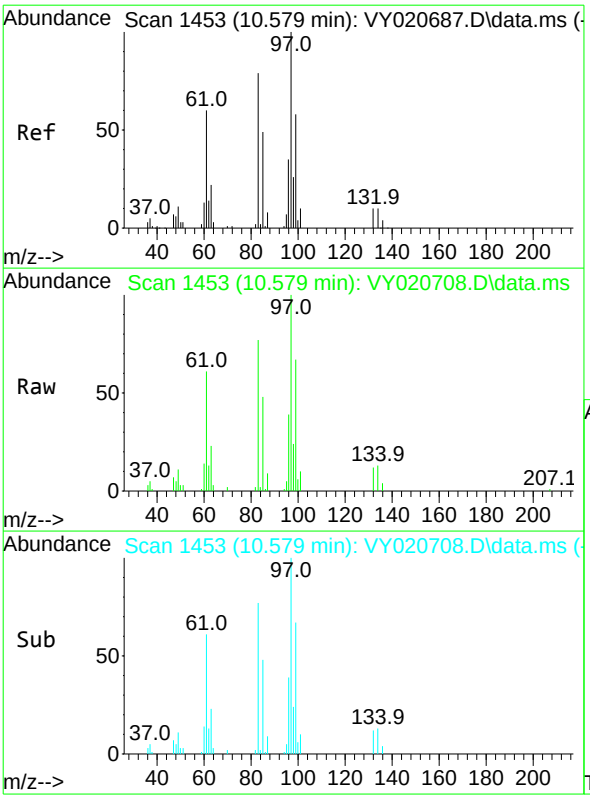


#54
cis-1,3-Dichloropropene
Concen: 19.625 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 75 Resp: 27417

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.6	38.4
39	45.0	36.2	54.2

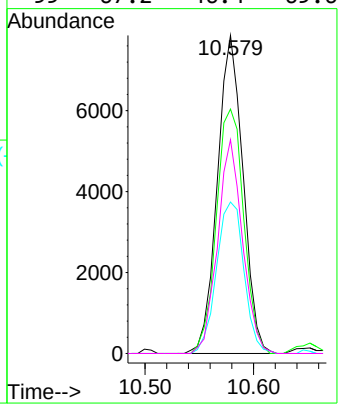




#55
1,1,2-Trichloroethane
Concen: 19.722 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 97 Resp: 12886

Ion	Ratio	Lower	Upper
97	100		
83	76.8	63.1	94.7
85	47.6	39.5	59.3
99	67.2	46.4	69.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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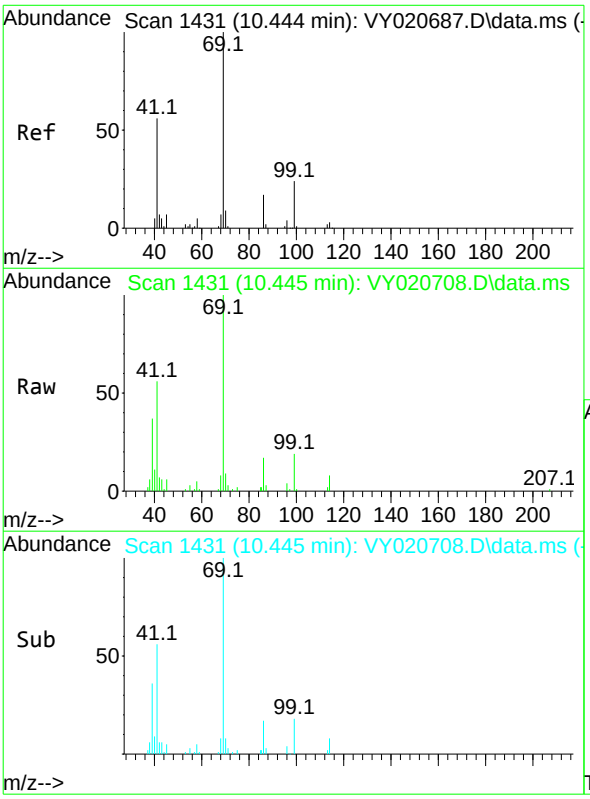
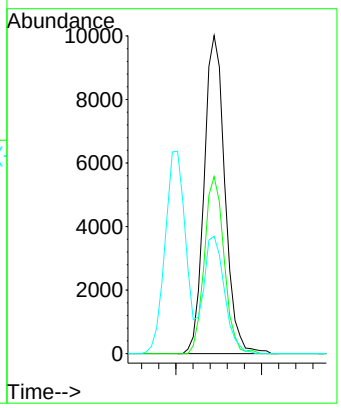
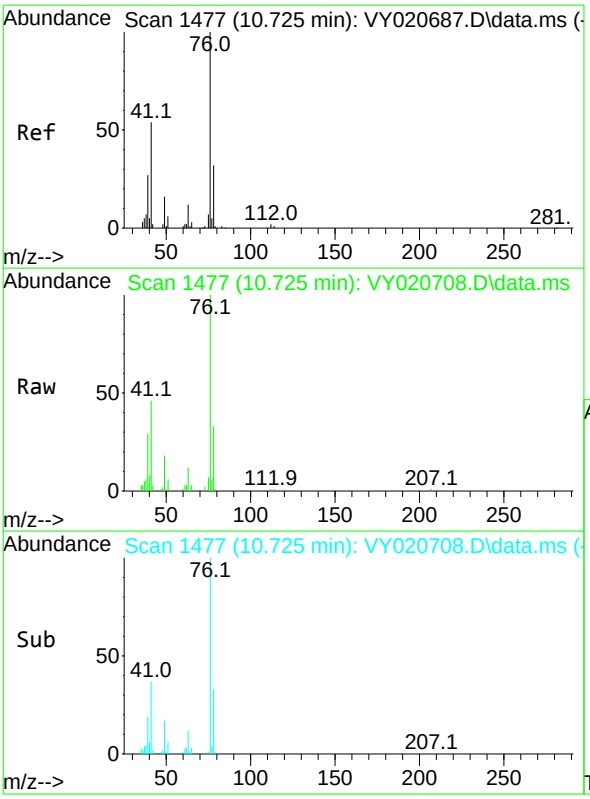


#56
Ethyl methacrylate
Concen: 19.607 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.001 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 69 Resp: 16830

Ion	Ratio	Lower	Upper
69	100		
41	53.0	43.8	65.6
39	37.5	32.0	48.0

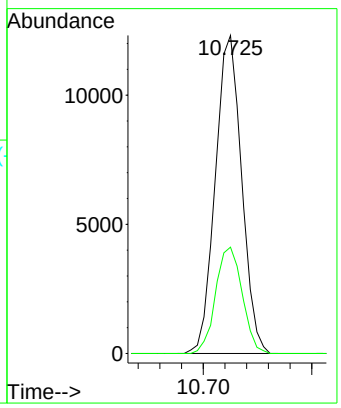




#57
1,3-Dichloropropane
Concen: 19.558 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 76 Resp: 20740

Ion	Ratio	Lower	Upper
76	100		
78	33.7	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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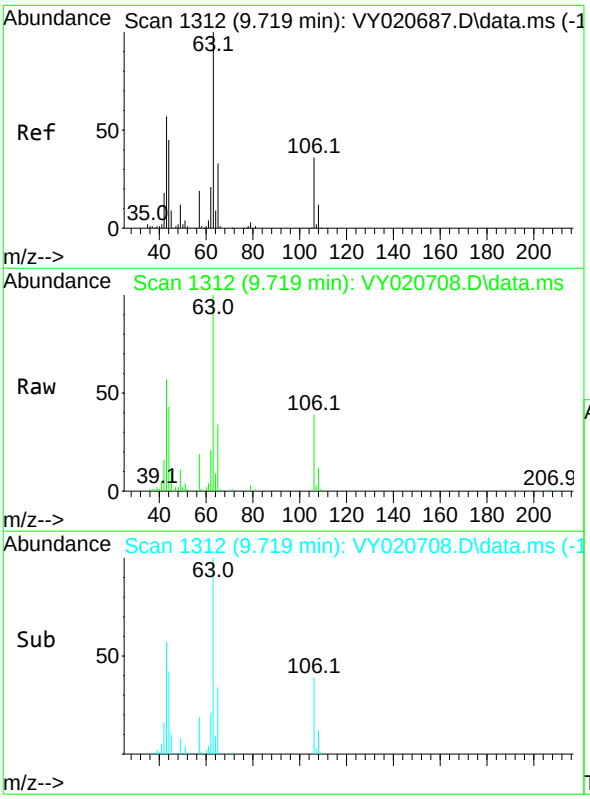
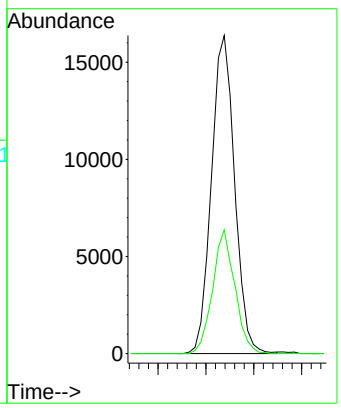
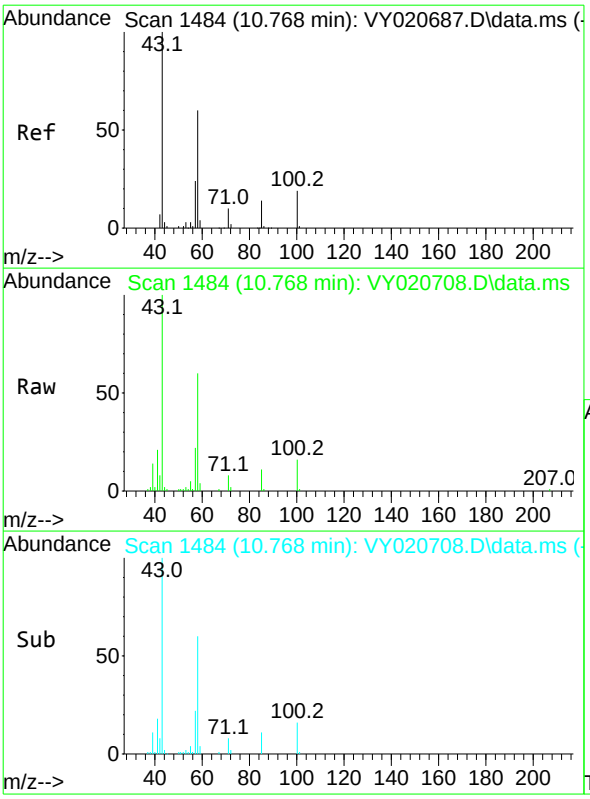


#58
2-Chloroethyl Vinyl ether
Concen: 91.985 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 63 Resp: 27533

Ion	Ratio	Lower	Upper
63	100		
106	37.2	29.1	43.7





#59
2-Hexanone
Concen: 96.312 ug/l
RT: 10.768 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 43 Resp: 27109

Ion	Ratio	Lower	Upper
43	100		
58	60.5	30.1	90.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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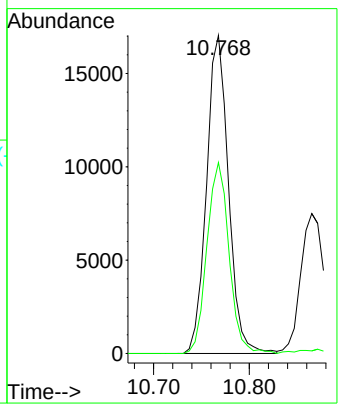
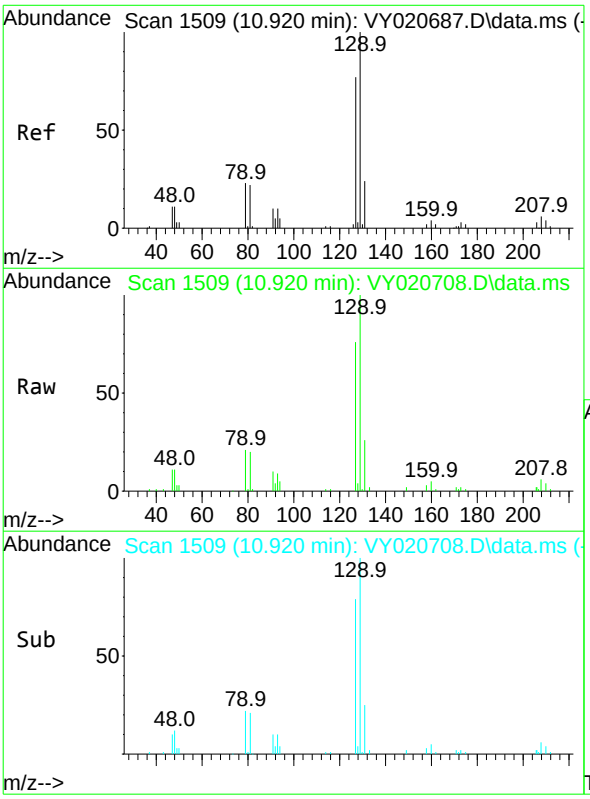
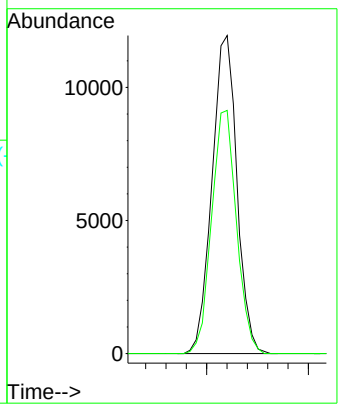


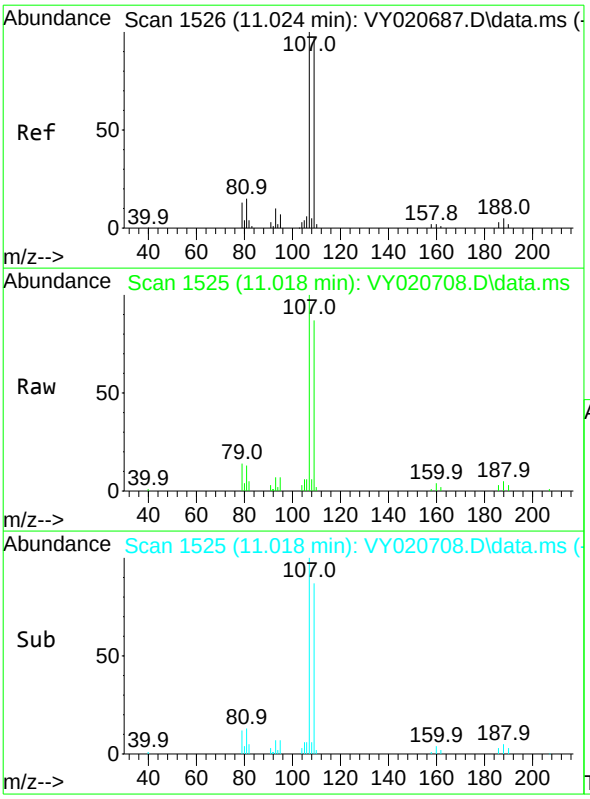


#60
Dibromochloromethane
Concen: 19.279 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:129 Resp: 20354

Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.5	115.5





#61
1,2-Dibromoethane
Concen: 19.678 ug/l
RT: 11.018 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:107 Resp: 12098

Ion	Ratio	Lower	Upper
107	100		
109	91.7	75.5	113.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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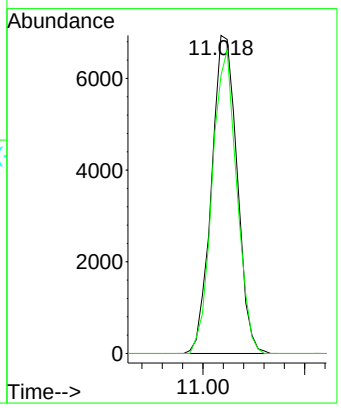
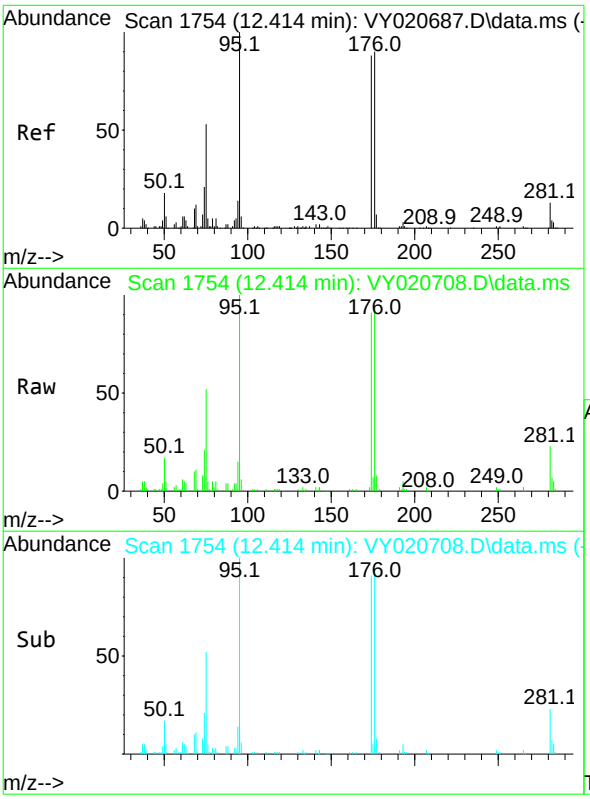
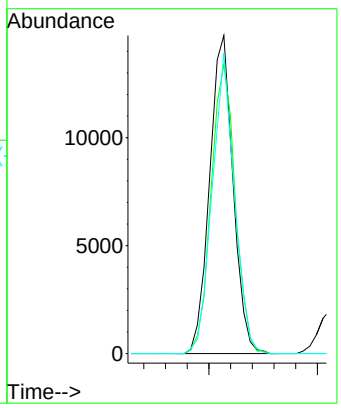


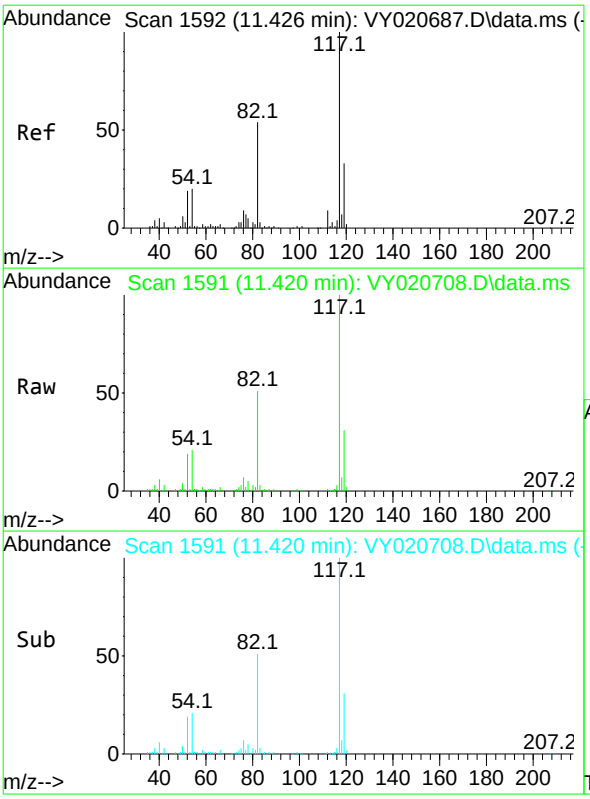


#62
4-Bromofluorobenzene
Concen: 17.414 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 95 Resp: 22093

Ion	Ratio	Lower	Upper
95	100		
174	93.2	0.0	179.2
176	89.6	0.0	179.8

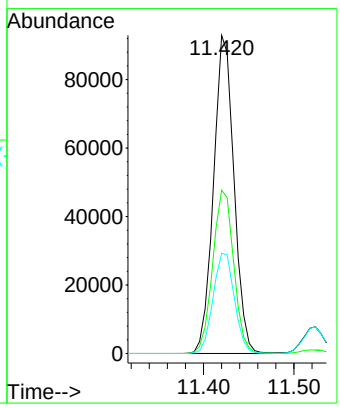




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:117 Resp: 146011

Ion	Ratio	Lower	Upper
117	100		
82	51.4	43.4	65.2
119	31.5	26.6	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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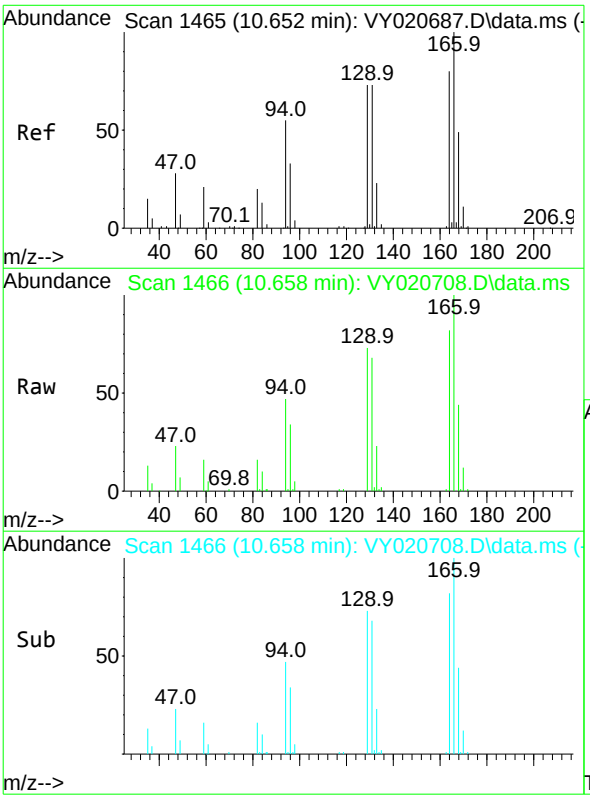
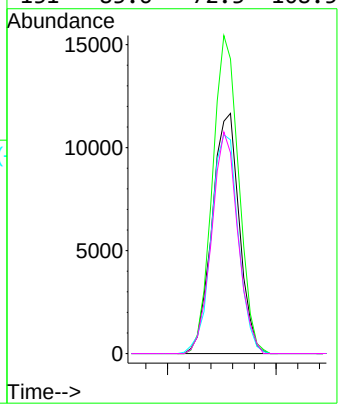
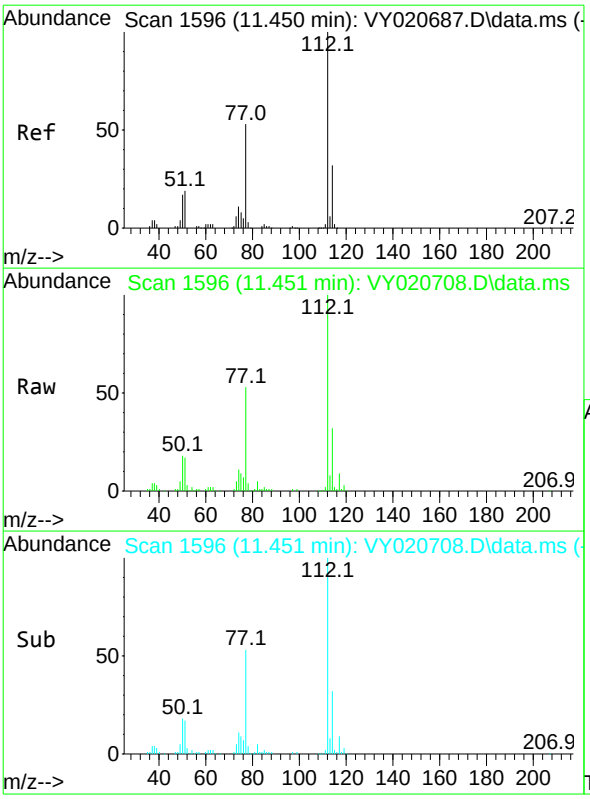


#64
Tetrachloroethene
Concen: 20.357 ug/l
RT: 10.658 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:164 Resp: 20307

Ion	Ratio	Lower	Upper
164	100		
166	122.6	99.6	149.4
129	89.0	73.0	109.4
131	83.6	72.3	108.5

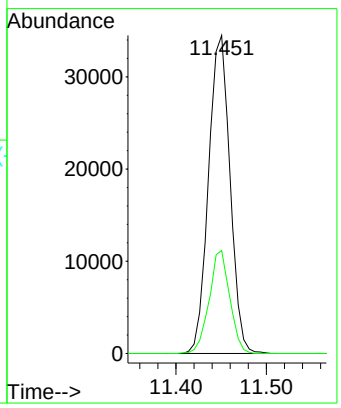




#65
Chlorobenzene
Concen: 19.935 ug/l
RT: 11.451 min Scan# 15
Delta R.T. 0.001 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:112 Resp: 56993

Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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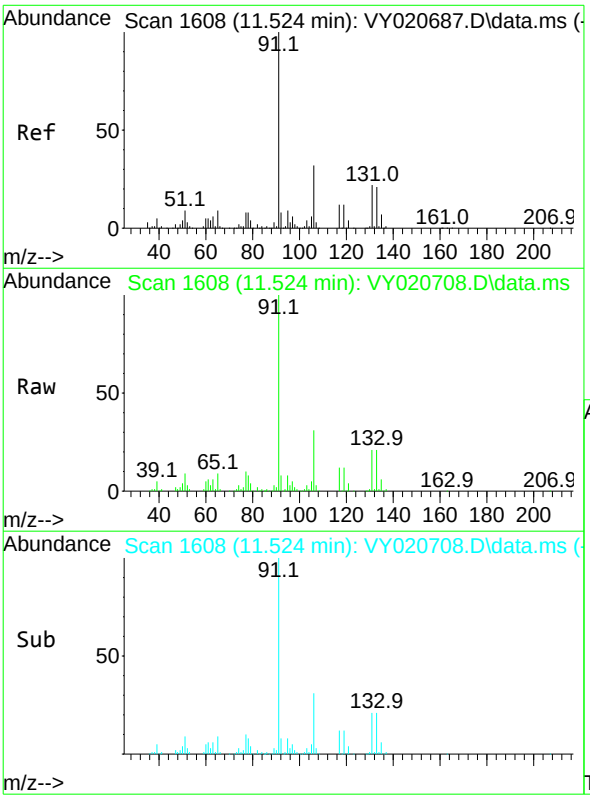
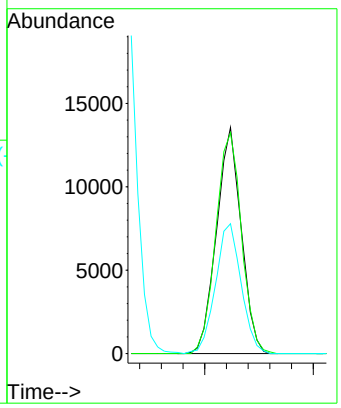
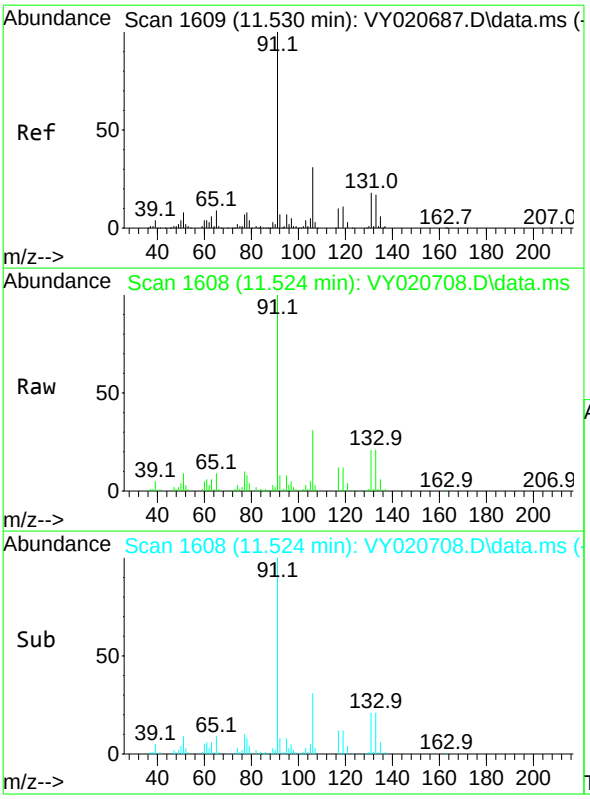


#66
1,1,1,2-Tetrachloroethane
Concen: 19.338 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:131 Resp: 21420

Ion	Ratio	Lower	Upper
131	100		
133	101.4	48.6	145.9
119	59.5	28.4	85.3

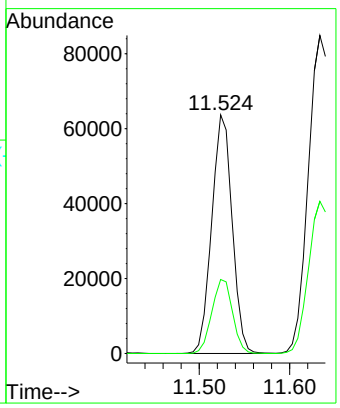




#67
Ethyl Benzene
Concen: 20.042 ug/l
RT: 11.524 min Scan# 16
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 91 Resp: 100148

Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.5	36.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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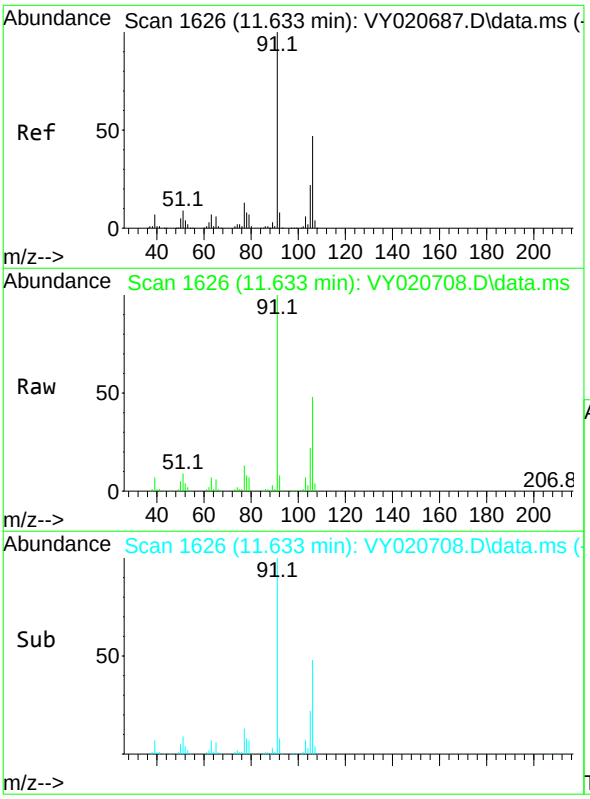
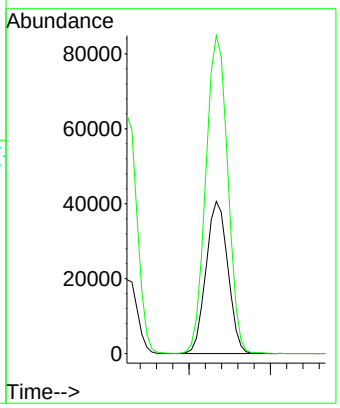
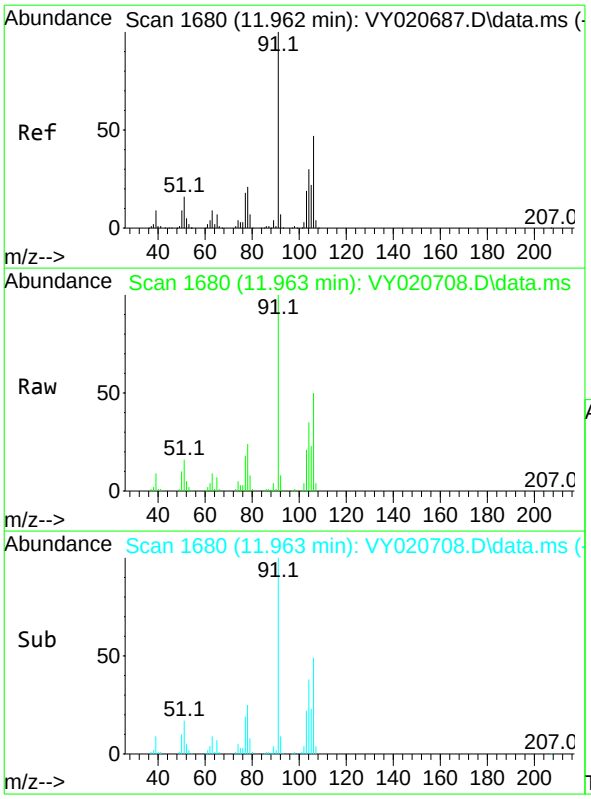


#68
m/p-Xylenes
Concen: 39.796 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:106 Resp: 75856

Ion	Ratio	Lower	Upper
106	100		
91	209.8	166.6	250.0

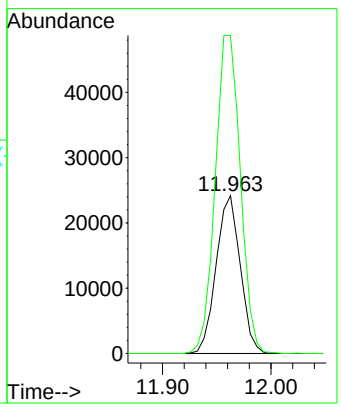




#69
o-Xylene
Concen: 20.482 ug/l
RT: 11.963 min Scan# 16
Delta R.T. 0.001 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:106 Resp: 37301

Ion	Ratio	Lower	Upper
106	100		
91	210.4	108.6	325.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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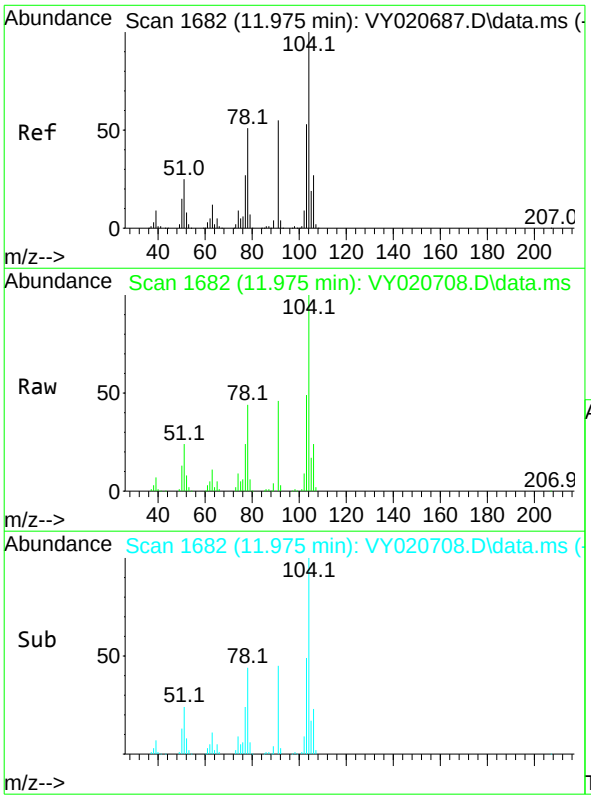
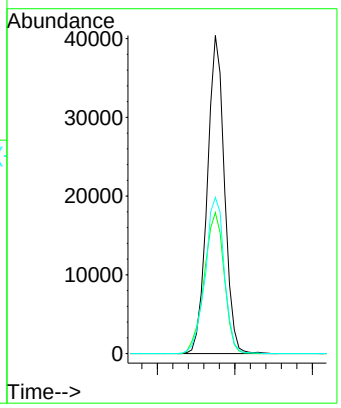
Supervised By :Semsettin Yesilyurt 12/27/2024

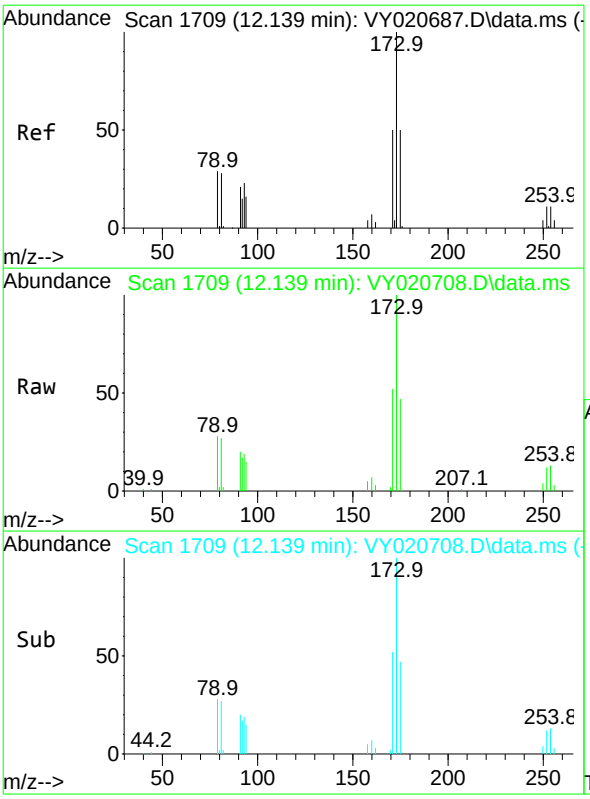


#70
Styrene
Concen: 20.262 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:104 Resp: 61946

Ion	Ratio	Lower	Upper
104	100		
78	51.5	43.0	64.4
103	54.7	44.4	66.6

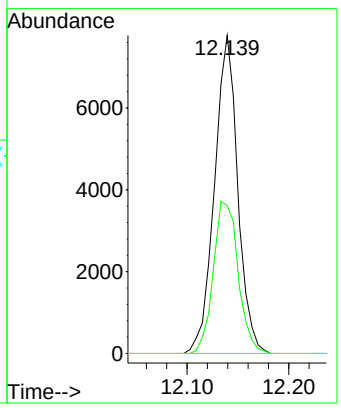




#71
Bromoform
Concen: 19.400 ug/l
RT: 12.139 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:173 Resp: 12354

Ion	Ratio	Lower	Upper
173	100		
175	51.0	24.2	72.6
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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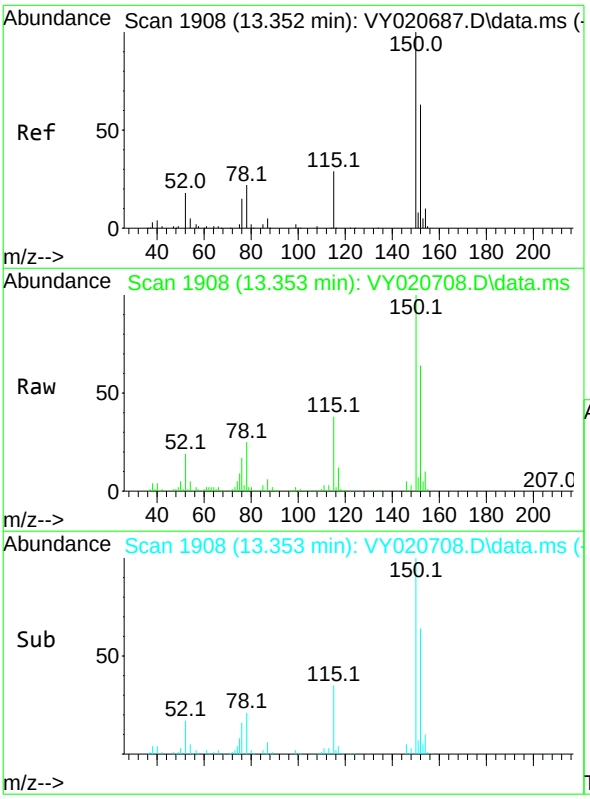
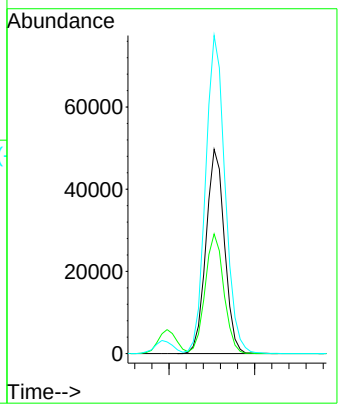
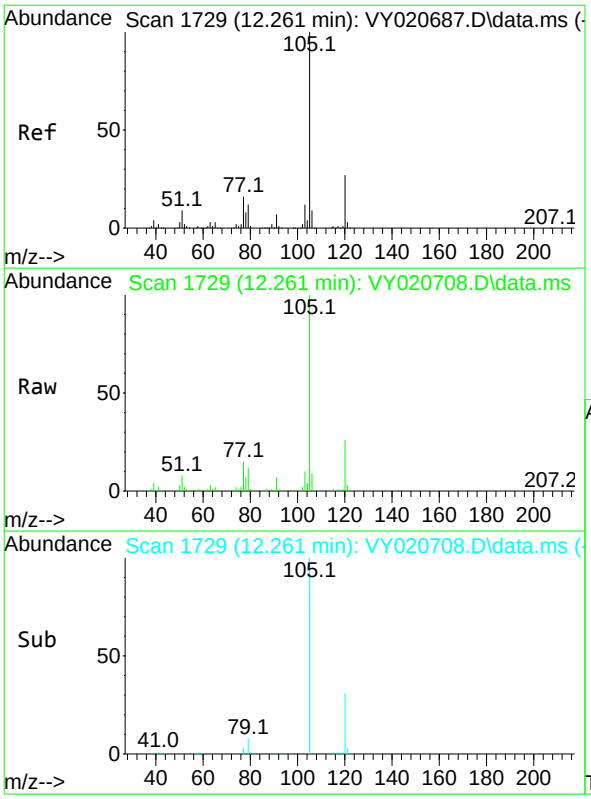


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.001 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:152 Resp: 74311

Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.3	90.9
150	164.5	0.0	349.0

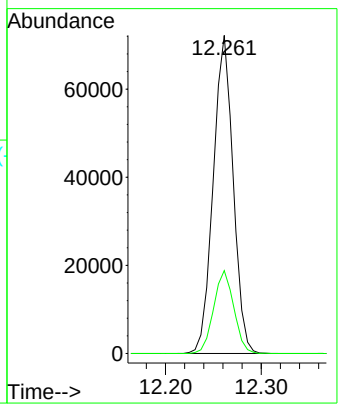




#73
Isopropylbenzene
Concen: 20.254 ug/l
RT: 12.261 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:105 Resp: 104274

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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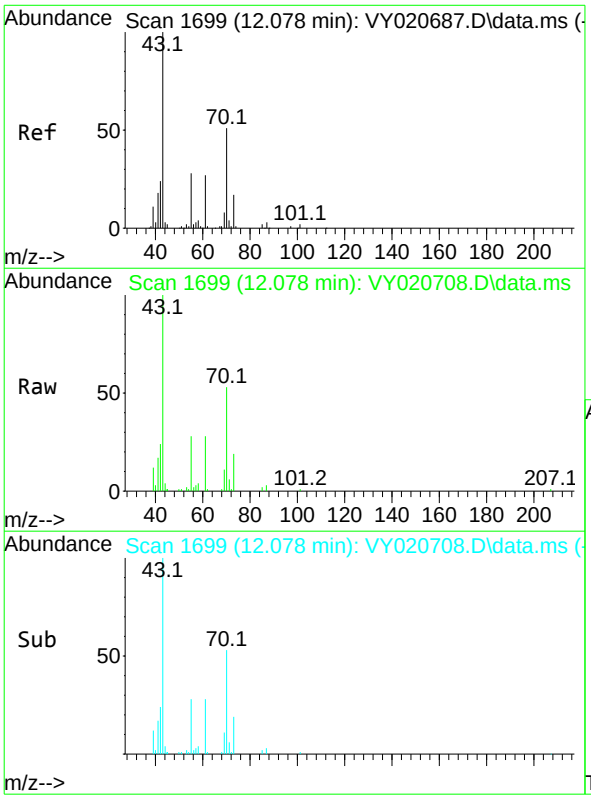
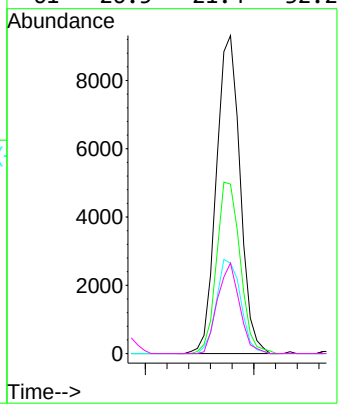
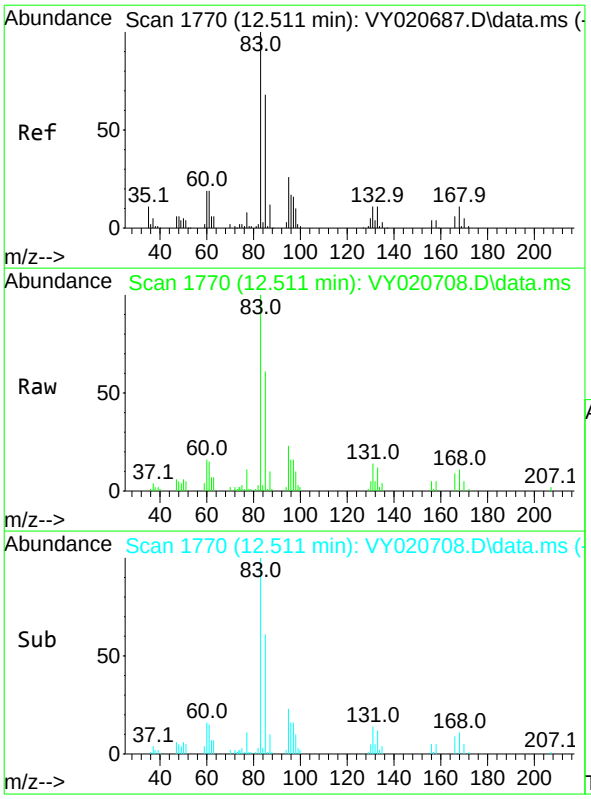


#74
N-amyl acetate
Concen: 19.346 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 43 Resp: 14154

Ion	Ratio	Lower	Upper
43	100		
70	53.5	39.7	59.5
55	30.2	21.5	32.3
61	26.5	21.4	32.2

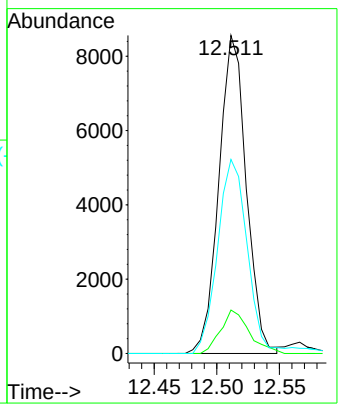




#75
1,1,2,2-Tetrachloroethane
Concen: 19.742 ug/l
RT: 12.511 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 83 Resp: 13030

Ion	Ratio	Lower	Upper
83	100		
131	14.2	6.9	20.7
85	65.8	32.5	97.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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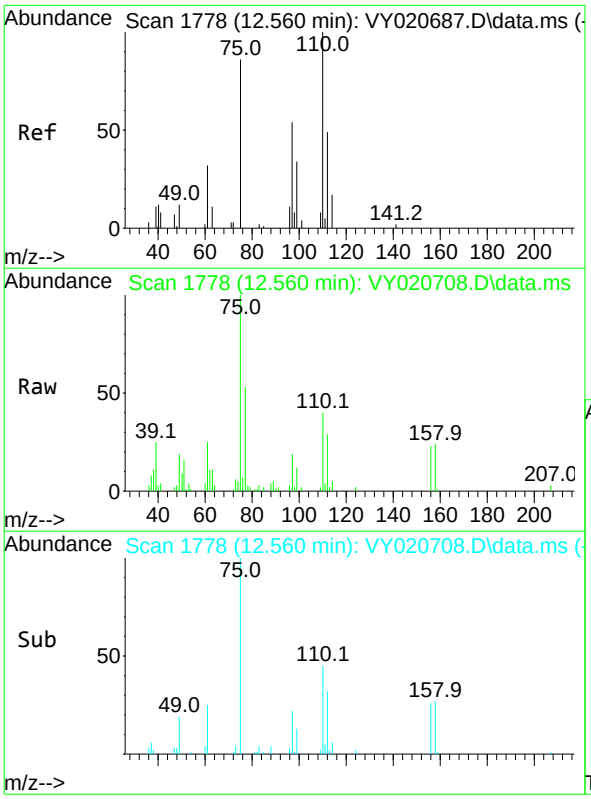
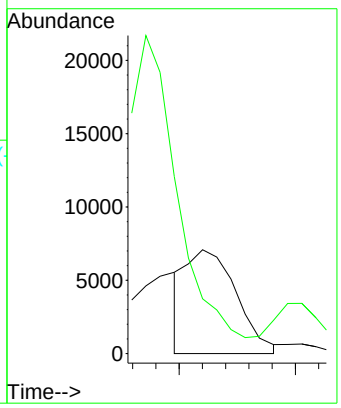
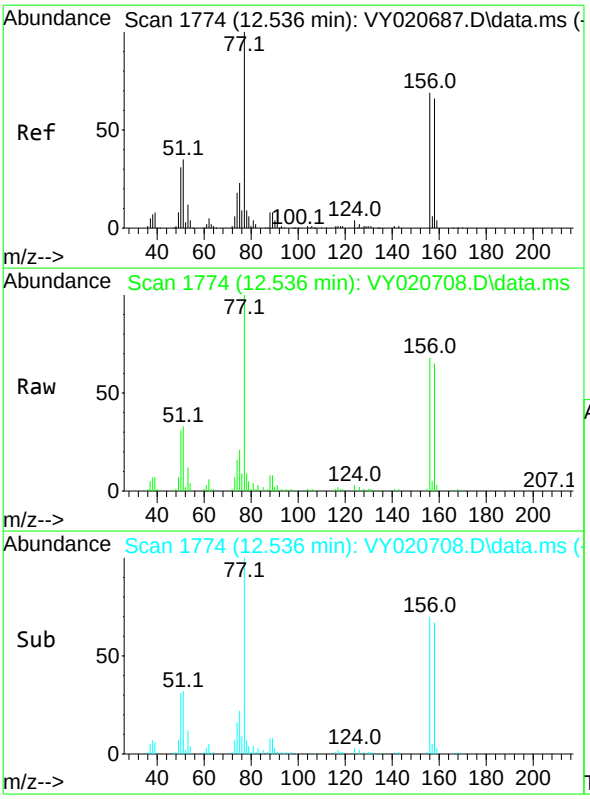


#76
1,2,3-Trichloropropane
Concen: 18.239 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 75 Resp: 10691

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

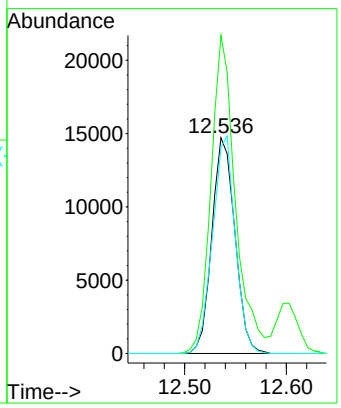




#77
Bromobenzene
Concen: 19.534 ug/l
RT: 12.536 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:156 Resp: 23151

Ion	Ratio	Lower	Upper
156	100		
77	155.8	78.3	235.0
158	99.5	48.3	144.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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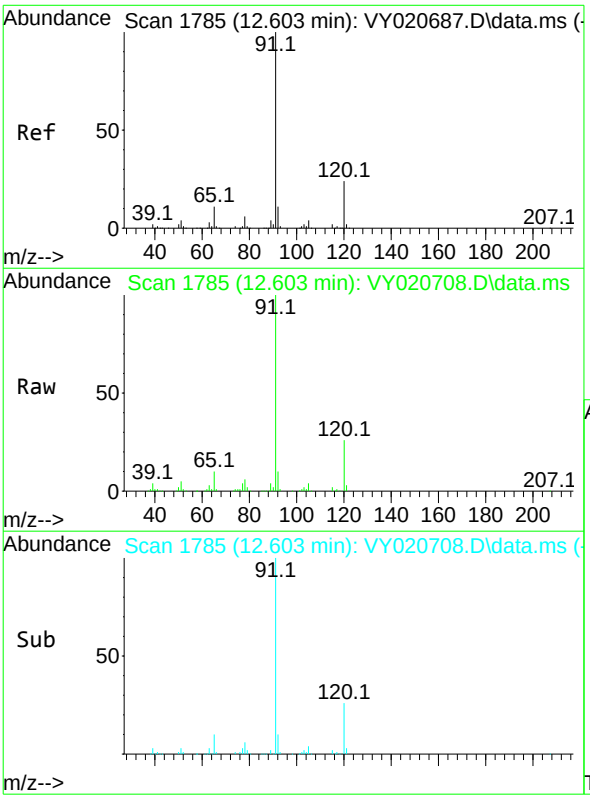
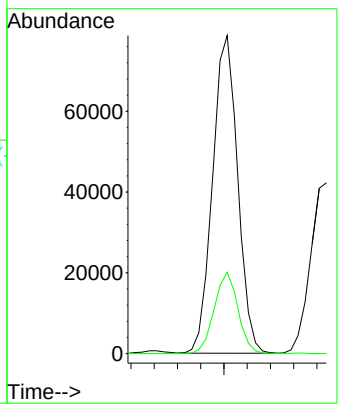
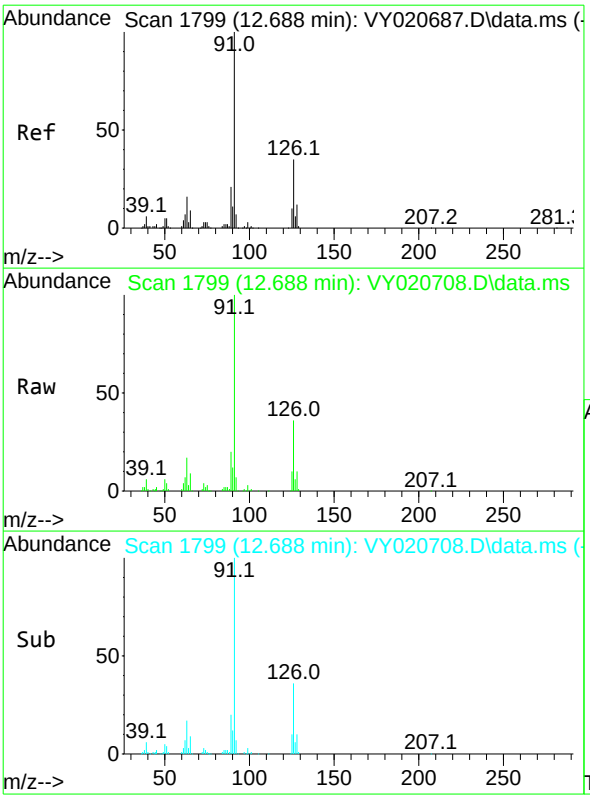


#78
n-propylbenzene
Concen: 20.458 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 91 Resp: 118053

Ion	Ratio	Lower	Upper
91	100		
120	24.1	12.3	36.8

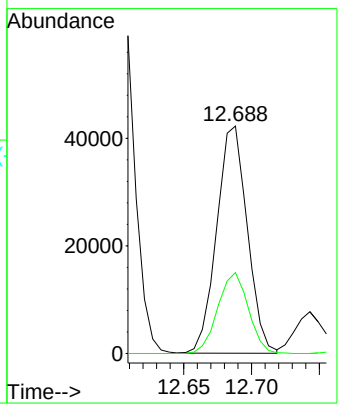




#79
2-Chlorotoluene
Concen: 20.135 ug/l
RT: 12.688 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 91 Resp: 66234

Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.8	53.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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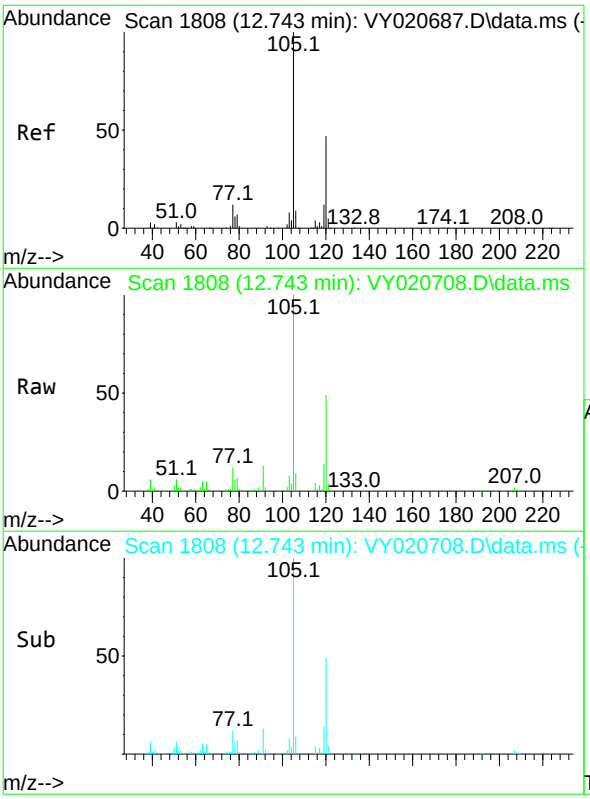
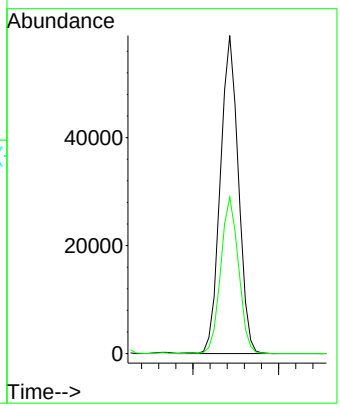
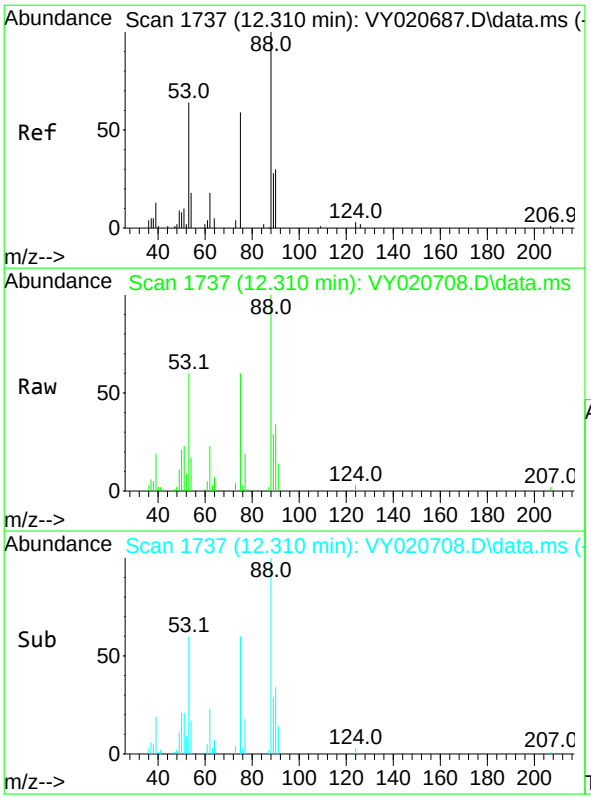


#80
1,3,5-Trimethylbenzene
Concen: 20.157 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:105 Resp: 86460

Ion	Ratio	Lower	Upper
105	100		
120	48.4	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 19.322 ug/l
RT: 12.310 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 4620

Ion	Ratio	Lower	Upper
75	100		
53	112.4	83.1	124.7
89	58.5	40.6	61.0

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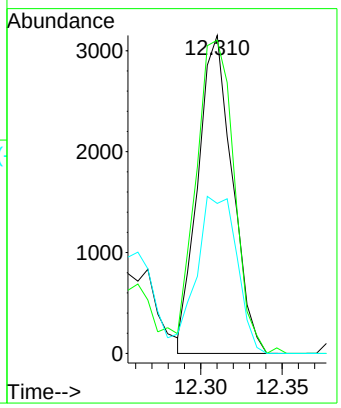
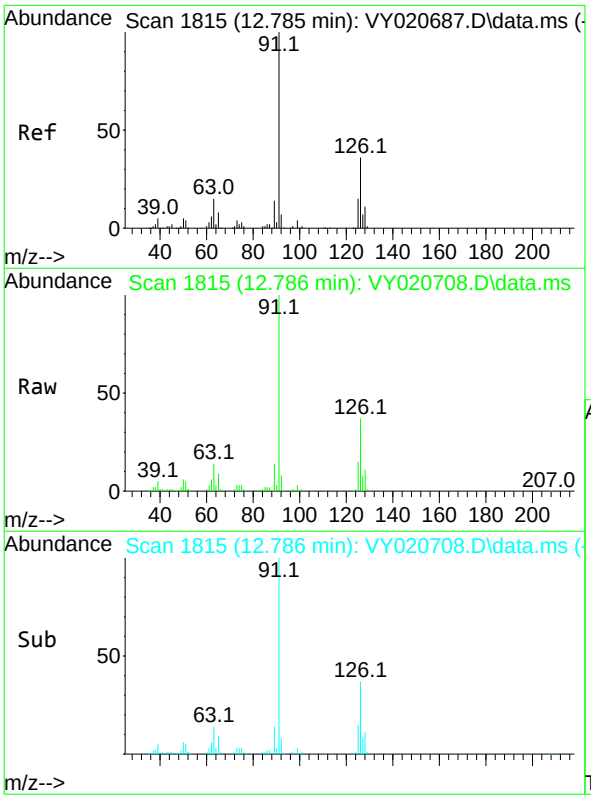
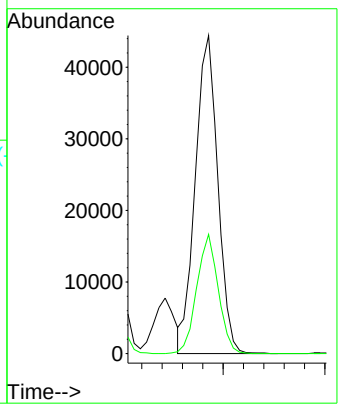


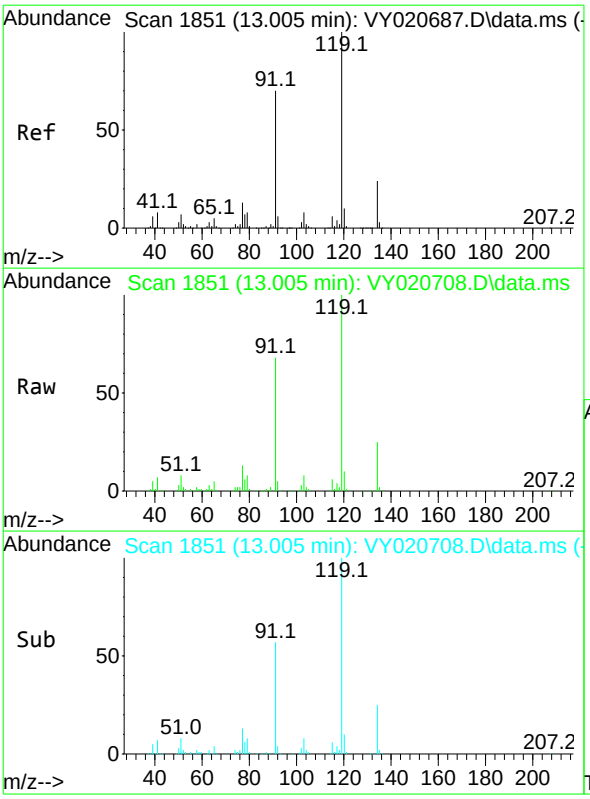


#82
4-Chlorotoluene
Concen: 20.057 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.001 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 91 Resp: 68187

Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.8	53.5





#83
tert-Butylbenzene
Concen: 20.410 ug/l
RT: 13.005 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:119 Resp: 81757

Ion	Ratio	Lower	Upper
119	100		
91	66.7	33.6	100.8
134	26.8	13.4	40.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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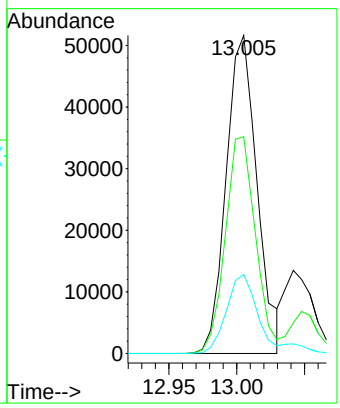
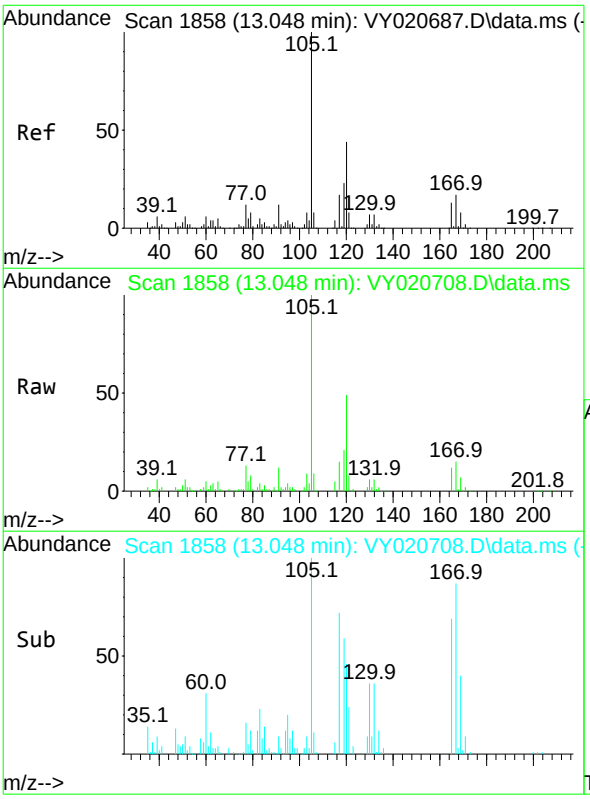
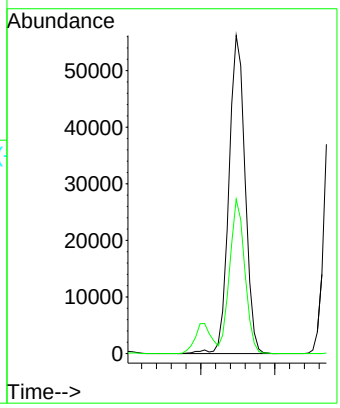


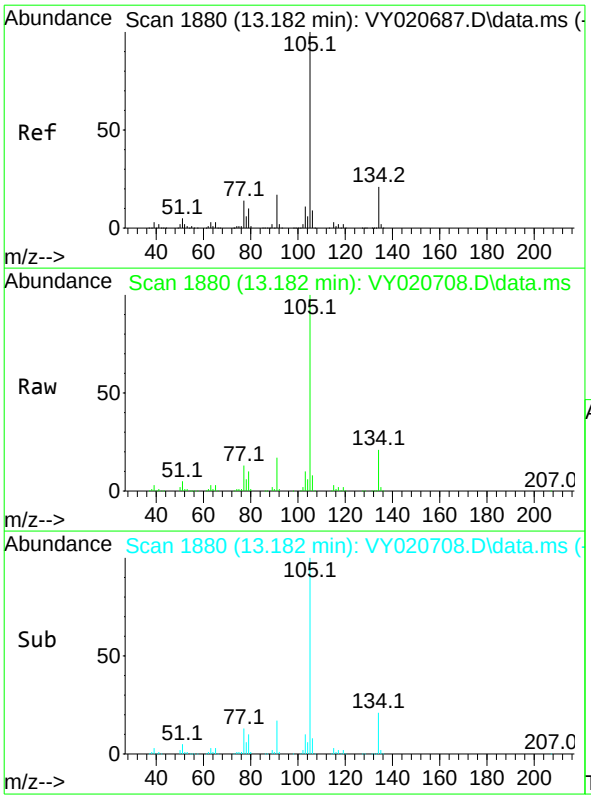


#84
1,2,4-Trimethylbenzene
Concen: 20.370 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:105 Resp: 85025

Ion	Ratio	Lower	Upper
105	100		
120	45.6	21.8	65.3

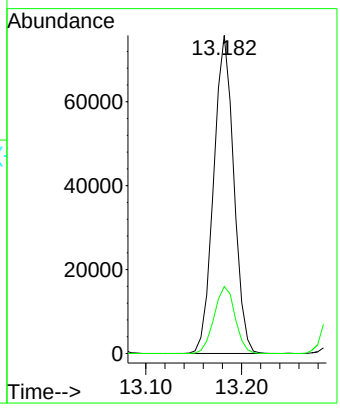




#85
sec-Butylbenzene
Concen: 20.536 ug/l
RT: 13.182 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:105 Resp: 110869

Ion	Ratio	Lower	Upper
105	100		
134	21.9	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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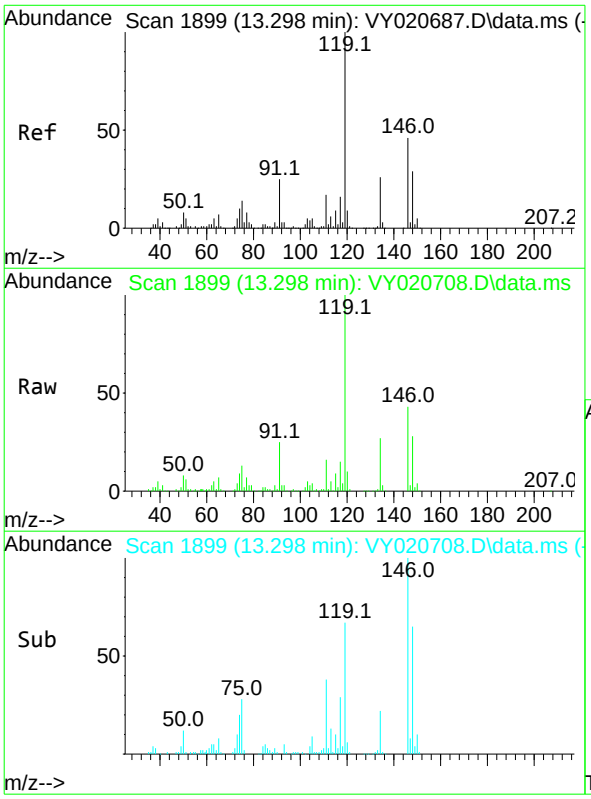
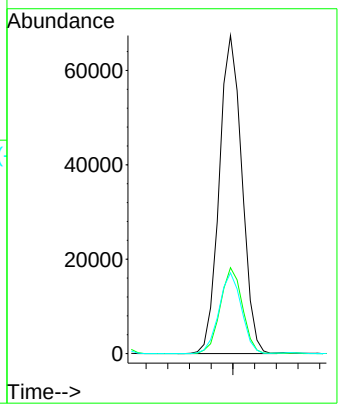
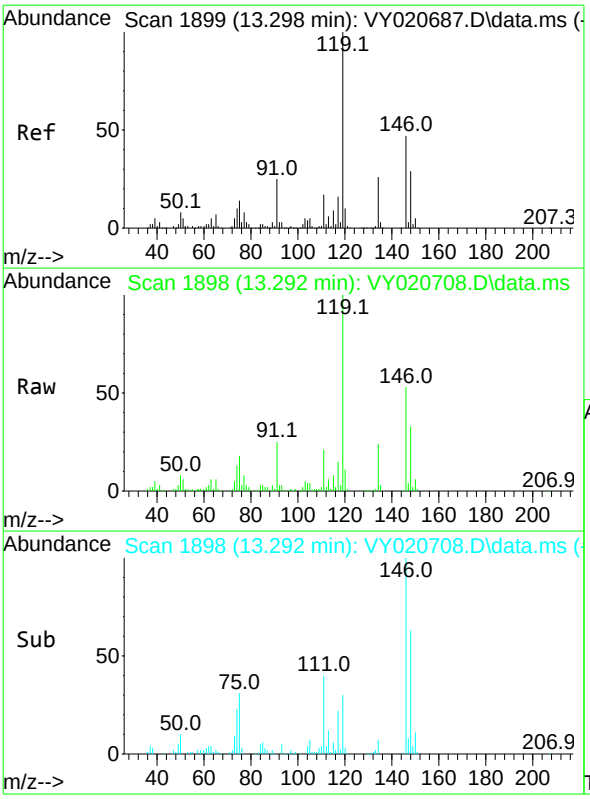


#86
p-Isopropyltoluene
Concen: 20.311 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:119 Resp: 97722

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.4	40.2
91	25.2	12.9	38.6

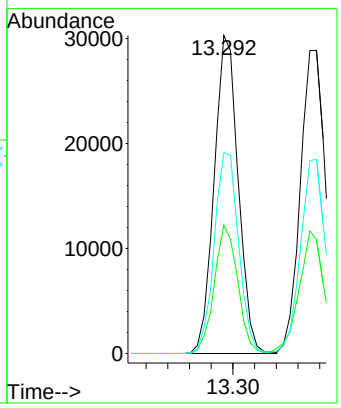




#87
1,3-Dichlorobenzene
Concen: 20.113 ug/l
RT: 13.292 min Scan# 18
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:146 Resp: 46587

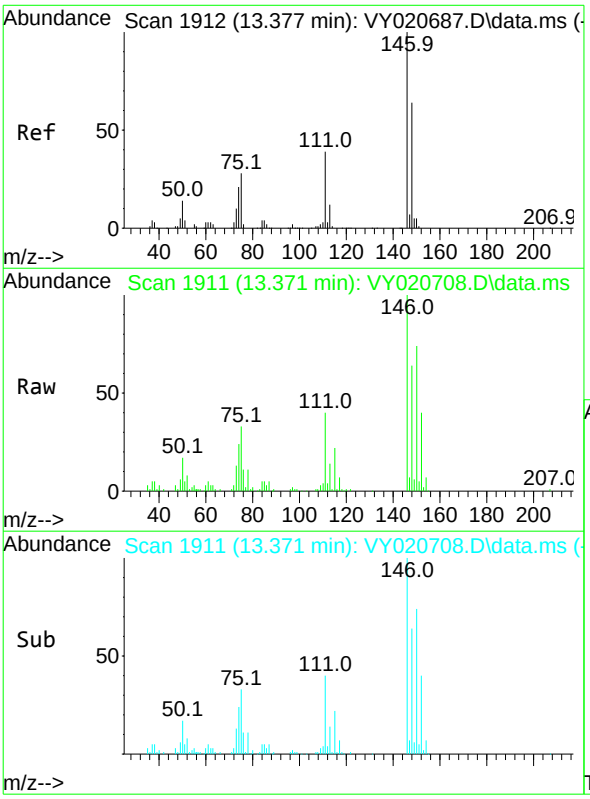
Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.3	57.8
148	64.3	31.1	93.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

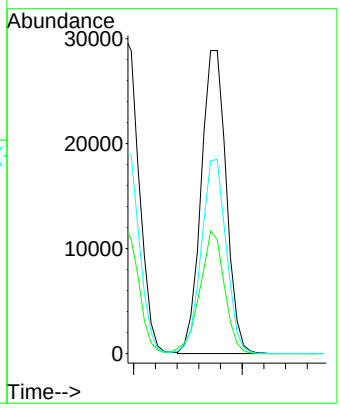
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

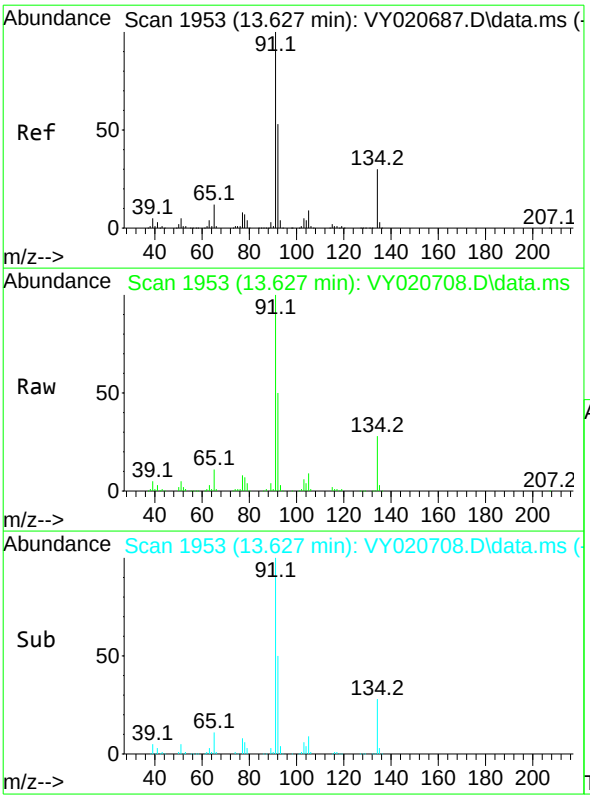


#88
1,4-Dichlorobenzene
Concen: 20.154 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:146 Resp: 46439

Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.0
148	63.7	32.8	98.3

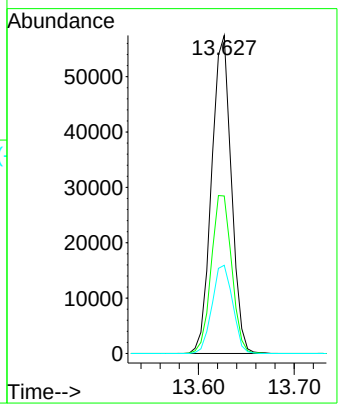




#89
n-Butylbenzene
Concen: 20.454 ug/l
RT: 13.627 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 91 Resp: 82147

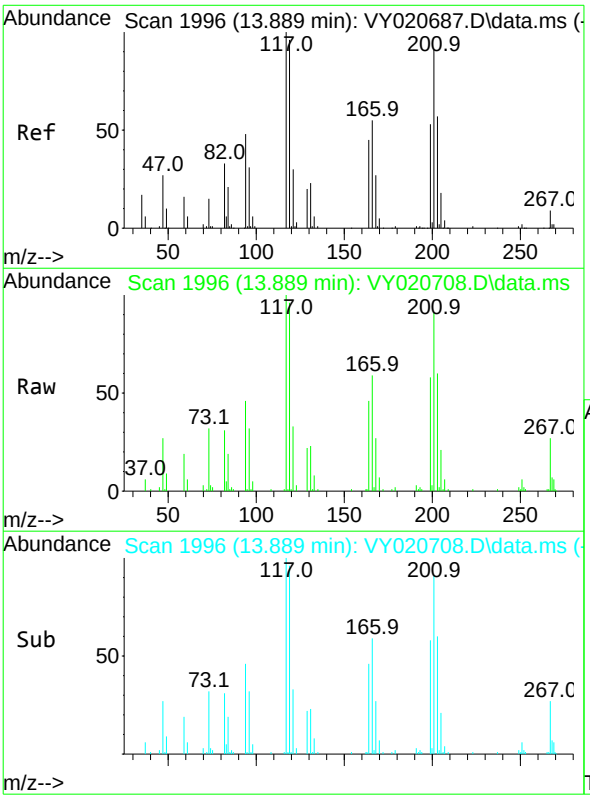
Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.1	78.2
134	28.9	14.8	44.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

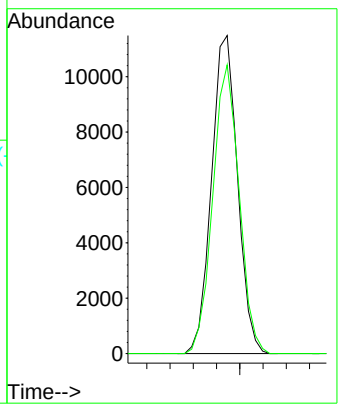
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

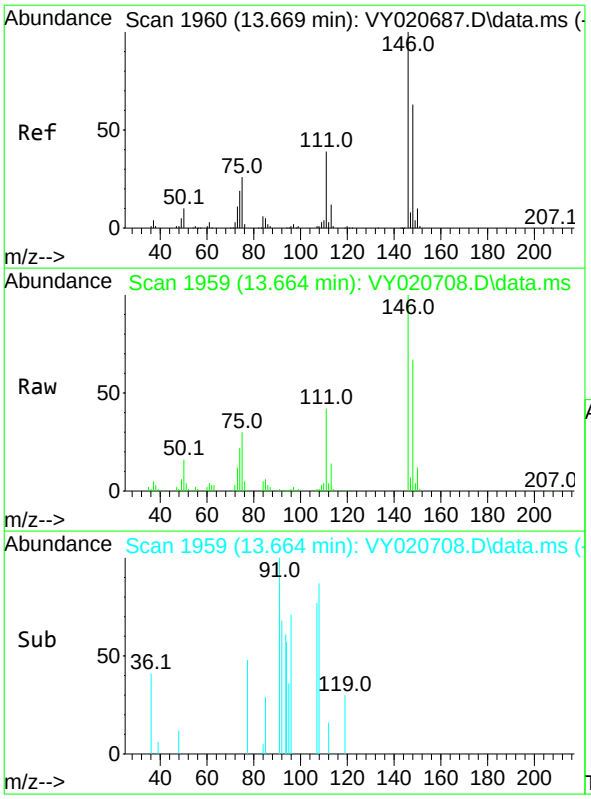


#90
Hexachloroethane
Concen: 19.517 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:117 Resp: 17856

Ion	Ratio	Lower	Upper
117	100		
201	91.7	44.9	134.7

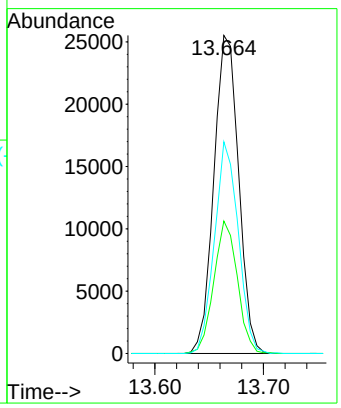




#91
1,2-Dichlorobenzene
Concen: 20.378 ug/l
RT: 13.664 min Scan# 19
Delta R.T. -0.005 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:146 Resp: 40471

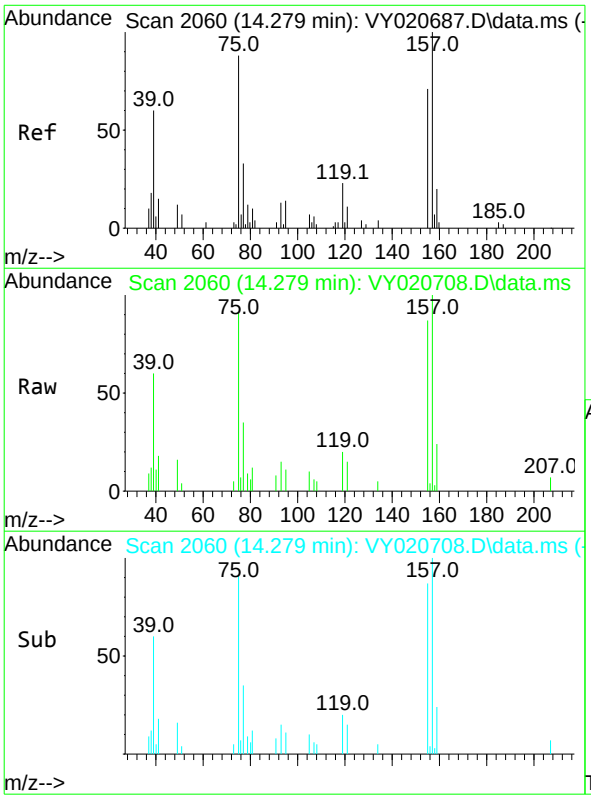
Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.3	60.8
148	64.1	31.9	95.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

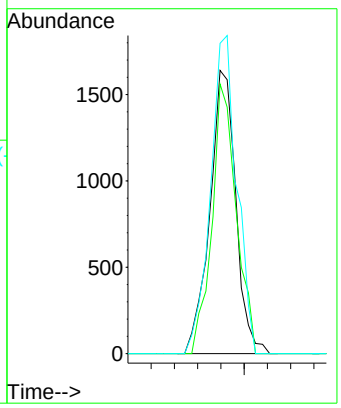
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

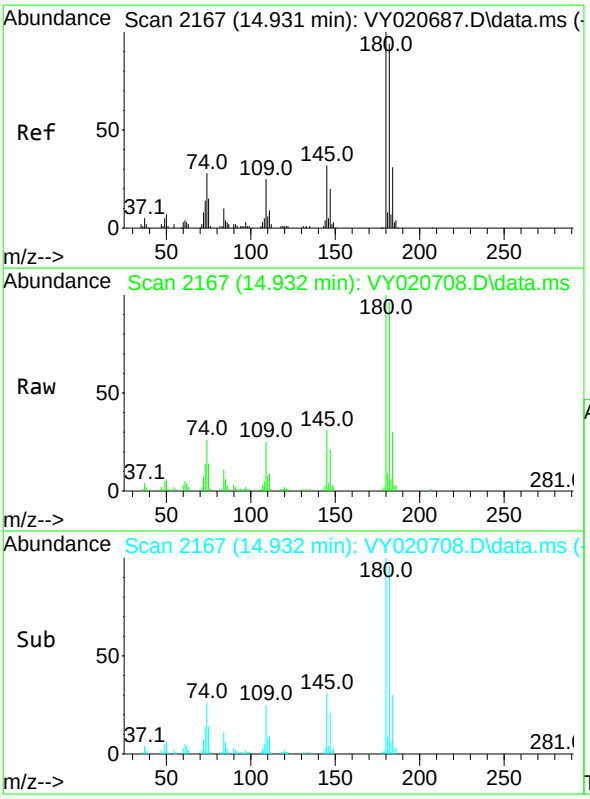


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.905 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 75 Resp: 2548

Ion	Ratio	Lower	Upper
75	100		
155	88.6	43.4	130.2
157	113.3	58.6	175.7

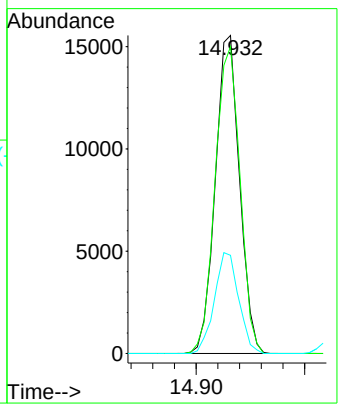




#93
1,2,4-Trichlorobenzene
Concen: 19.089 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.001 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:180 Resp: 24098

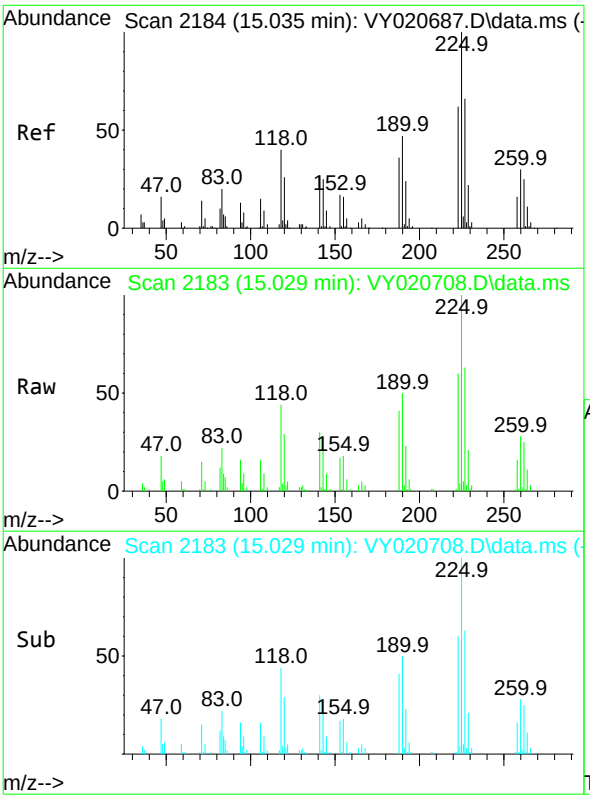
Ion	Ratio	Lower	Upper
180	100		
182	99.1	47.9	143.7
145	31.8	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

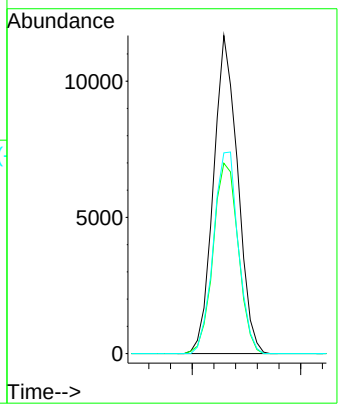
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

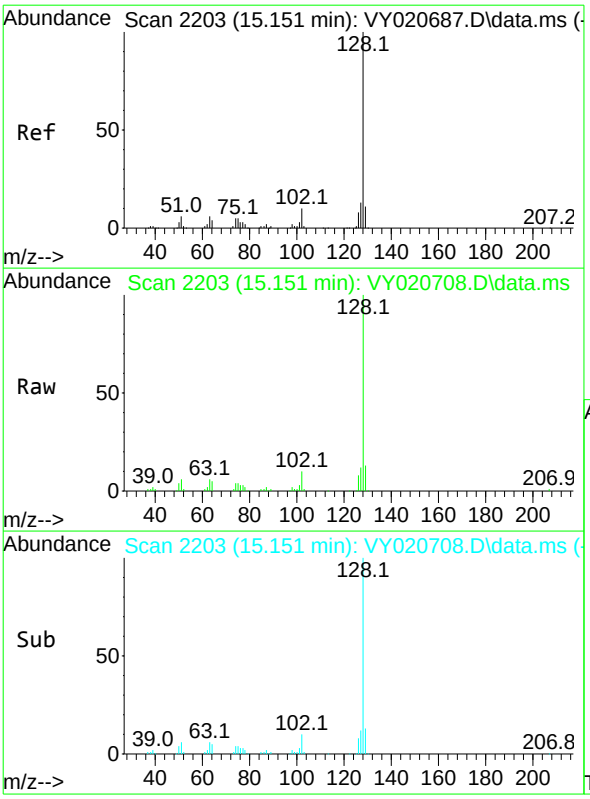


#94
Hexachlorobutadiene
Concen: 19.654 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:225 Resp: 18082

Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.3	93.8
227	65.2	32.1	96.5

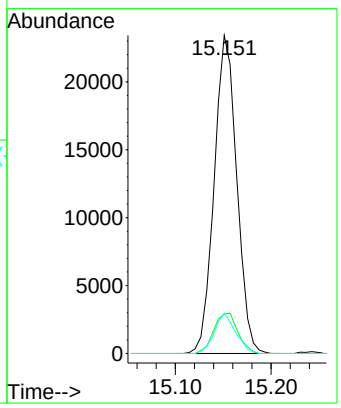




#95
Naphthalene
Concen: 18.968 ug/l
RT: 15.151 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:128 Resp: 38351

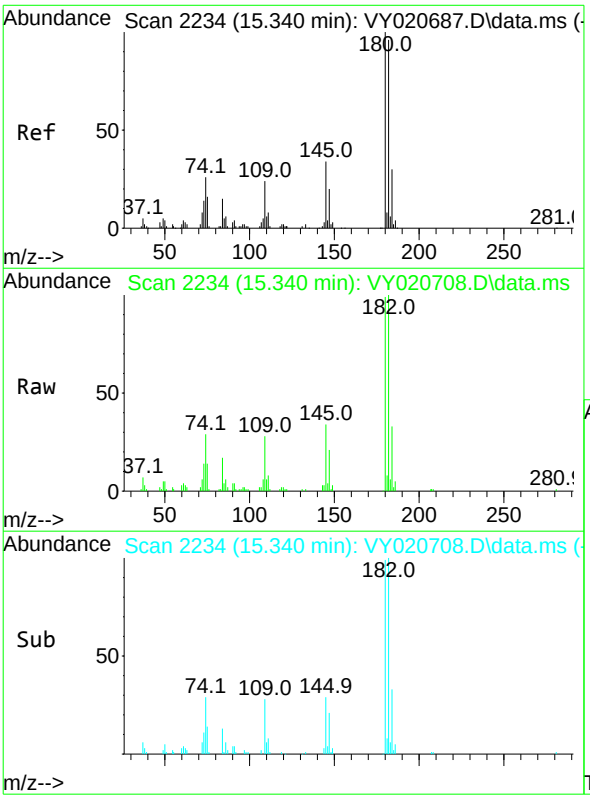
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	11.9	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

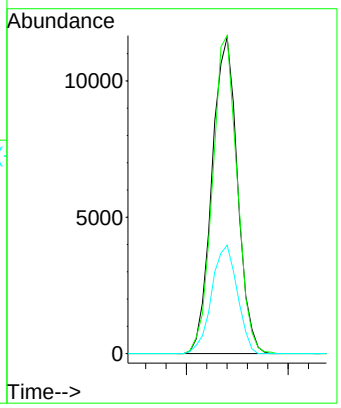
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024



#96
1,2,3-Trichlorobenzene
Concen: 19.187 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:180 Resp: 20167

Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.4	142.2
145	34.5	16.7	50.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020709.D
Acq On : 26 Dec 2024 10:39
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Dec 26 16:06:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.720	168	95919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	134605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	116249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	60351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	49534	63.047	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.100%			
35) Dibromofluoromethane	7.646	113	42955	57.936	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.880%			
50) Toluene-d8	10.115	98	165135	55.802	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.600%			
62) 4-Bromofluorobenzene	12.414	95	57393	58.248	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 116.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	38801	51.393	ug/l	98
3) Chloromethane	2.074	50	15038	53.407	ug/l	98
4) Vinyl Chloride	2.214	62	18435	52.843	ug/l	99
5) Bromomethane	2.611	94	13527	51.355	ug/l	93
6) Chloroethane	2.745	64	10817	51.686	ug/l	98
7) Trichlorofluoromethane	3.074	101	68580	51.119	ug/l	99
8) Diethyl Ether	3.464	74	17063	53.449	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.830	101	37468	50.872	ug/l	99
10) Methyl Iodide	4.019	142	43478	53.984	ug/l	97
11) Tert butyl alcohol	4.879	59	13467	276.533	ug/l #	91
12) 1,1-Dichloroethene	3.806	96	33758	51.495	ug/l	97
13) Acrolein	3.665	56	3048	185.584	ug/l	98
14) Allyl chloride	4.397	41	39674	51.717	ug/l	96
15) Acrylonitrile	5.074	53	34070	276.260	ug/l	98
16) Acetone	3.879	43	26066	261.525	ug/l	97
17) Carbon Disulfide	4.123	76	86912	54.046	ug/l	100
18) Methyl Acetate	4.397	43	15232	56.466	ug/l	97
19) Methyl tert-butyl Ether	5.128	73	97389	53.300	ug/l	96
20) Methylene Chloride	4.635	84	32892	50.741	ug/l	93
21) trans-1,2-Dichloroethene	5.128	96	37498	53.081	ug/l	95
22) Diisopropyl ether	6.031	45	82233	52.731	ug/l	98
23) Vinyl Acetate	5.976	43	257552	276.499	ug/l	99
24) 1,1-Dichloroethane	5.933	63	59422	50.822	ug/l	99
25) 2-Butanone	6.903	43	38144	283.310	ug/l	97
26) 2,2-Dichloropropane	6.896	77	71954	50.280	ug/l	100
27) cis-1,2-Dichloroethene	6.903	96	44338	52.410	ug/l	97
28) Bromochloromethane	7.256	49	18465	59.719	ug/l	96
29) Tetrahydrofuran	7.274	42	23409	283.255	ug/l	96
30) Chloroform	7.433	83	75540	50.224	ug/l	93
31) Cyclohexane	7.713	56	48960	48.512	ug/l	99
32) 1,1,1-Trichloroethane	7.628	97	82365	51.087	ug/l	99
36) 1,1-Dichloropropene	7.848	75	50348	51.408	ug/l	99
37) Ethyl Acetate	7.000	43	17946	55.607	ug/l	99
38) Carbon Tetrachloride	7.829	117	82604	51.220	ug/l	97
39) Methylcyclohexane	9.116	83	65222	51.957	ug/l	99
40) Benzene	8.091	78	146525	51.623	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020709.D
Acq On : 26 Dec 2024 10:39
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Quant Time: Dec 26 16:06:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	7518	46.116	ug/l	#	71
42) 1,2-Dichloroethane	8.165	62	49005	53.844	ug/l		100
43) Isopropyl Acetate	8.207	43	38693	56.406	ug/l		99
44) Trichloroethene	8.872	130	43575	51.399	ug/l		90
45) 1,2-Dichloropropane	9.152	63	30307	52.749	ug/l		95
46) Dibromomethane	9.238	93	21455	53.969	ug/l		97
47) Bromodichloromethane	9.433	83	58285	51.714	ug/l		93
48) Methyl methacrylate	9.225	41	17575	54.863	ug/l		99
49) 1,4-Dioxane	9.238	88	4523	1194.426	ug/l		98
51) 4-Methyl-2-Pentanone	10.006	43	93936	283.711	ug/l		99
52) Toluene	10.176	92	100248	51.531	ug/l		98
53) t-1,3-Dichloropropene	10.402	75	54221	54.774	ug/l		100
54) cis-1,3-Dichloropropene	9.865	75	57850	53.316	ug/l		96
55) 1,1,2-Trichloroethane	10.579	97	26808	52.828	ug/l		99
56) Ethyl methacrylate	10.445	69	37346	56.020	ug/l		98
57) 1,3-Dichloropropane	10.725	76	44949	54.576	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.719	63	68375	294.122	ug/l		100
59) 2-Hexanone	10.768	43	64500	295.048	ug/l		98
60) Dibromochloromethane	10.920	129	42531	51.869	ug/l		96
61) 1,2-Dibromoethane	11.018	107	25662	53.744	ug/l		98
64) Tetrachloroethene	10.652	164	40834	51.414	ug/l		96
65) Chlorobenzene	11.451	112	116432	51.151	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.524	131	45293	51.360	ug/l		99
67) Ethyl Benzene	11.524	91	206644	51.942	ug/l		98
68) m/p-Xylenes	11.633	106	156992	103.449	ug/l		99
69) o-Xylene	11.963	106	75564	52.115	ug/l		99
70) Styrene	11.975	104	126718	52.061	ug/l		99
71) Bromoform	12.139	173	28066	55.357	ug/l	#	99
73) Isopropylbenzene	12.261	105	209755	50.166	ug/l		99
74) N-amyl acetate	12.078	43	33024	55.579	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	28705	53.553	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	18132m	38.088	ug/l		
77) Bromobenzene	12.536	156	49237	51.155	ug/l		98
78) n-propylbenzene	12.603	91	235128	50.173	ug/l		100
79) 2-Chlorotoluene	12.688	91	136280	51.012	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	177863	51.057	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	10590	54.534	ug/l		98
82) 4-Chlorotoluene	12.786	91	141476	51.241	ug/l		99
83) tert-Butylbenzene	13.005	119	164603	50.596	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	174321	51.423	ug/l		99
85) sec-Butylbenzene	13.182	105	221870	50.603	ug/l		99
86) p-Isopropyltoluene	13.298	119	198854	50.891	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	95245	50.631	ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	94865	50.694	ug/l		99
89) n-Butylbenzene	13.621	91	166380	51.010	ug/l		99
90) Hexachloroethane	13.889	117	37154	50.005	ug/l		99
91) 1,2-Dichlorobenzene	13.664	146	85113	52.769	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	5917	56.916	ug/l		95
93) 1,2,4-Trichlorobenzene	14.932	180	54457	53.117	ug/l		100
94) Hexachlorobutadiene	15.029	225	37636	50.369	ug/l		99
95) Naphthalene	15.151	128	92244	56.177	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	46678	54.682	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020709.D
Acq On : 26 Dec 2024 10:39
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Quant Time: Dec 26 16:06:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

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

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

ICAL Form

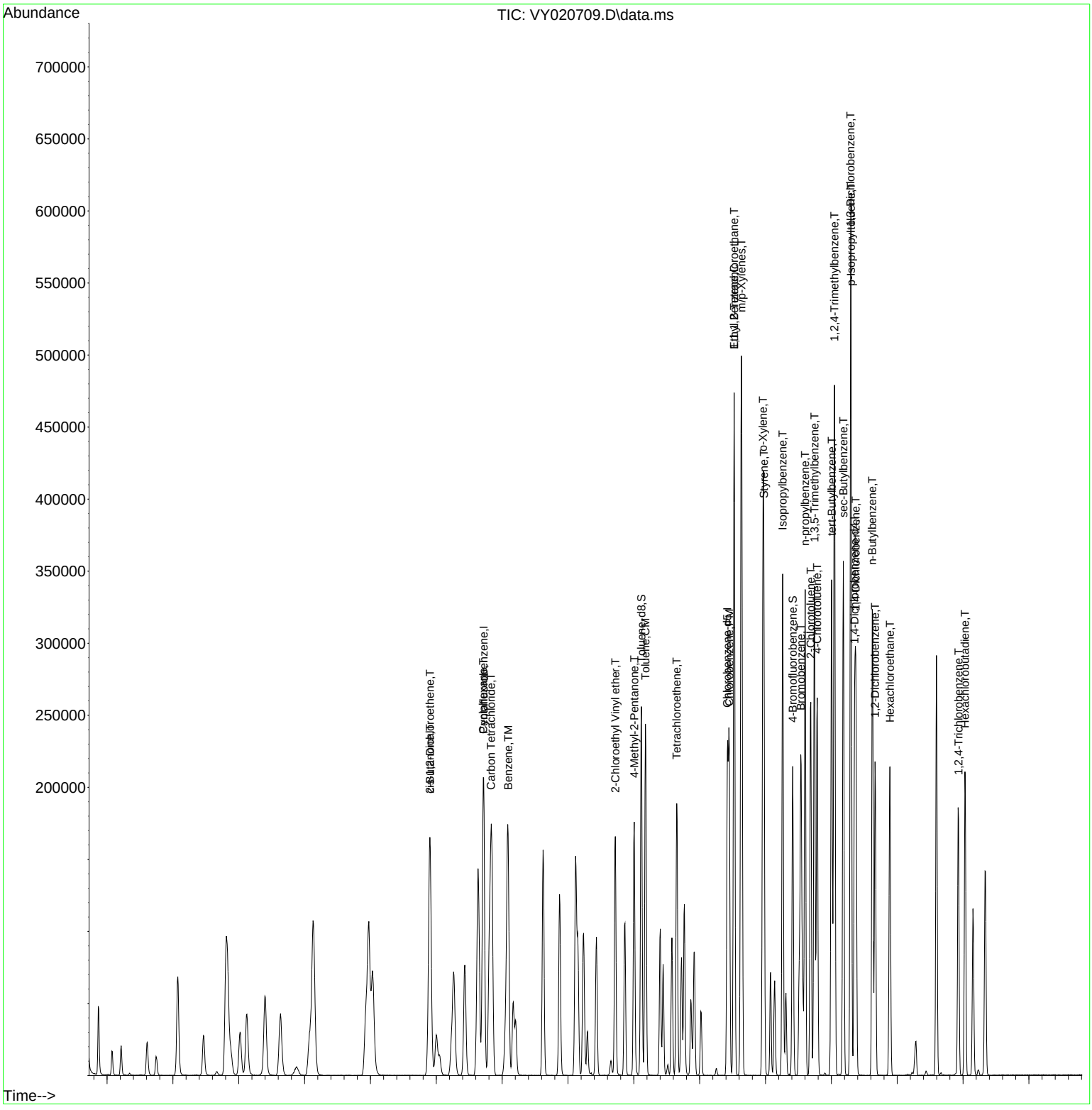
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020709.D
Acq On : 26 Dec 2024 10:39
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

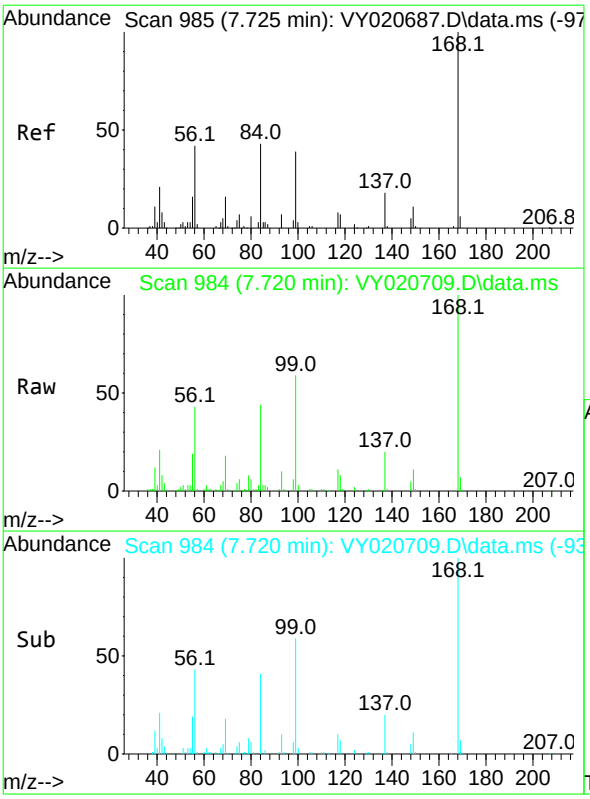
Quant Time: Dec 26 16:06:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

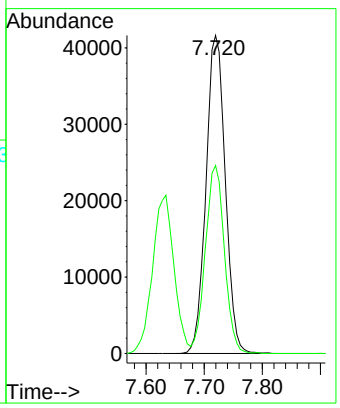




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 98
Delta R.T. -0.005 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:168 Resp: 95919

Ion	Ratio	Lower	Upper
168	100		
99	59.1	43.8	65.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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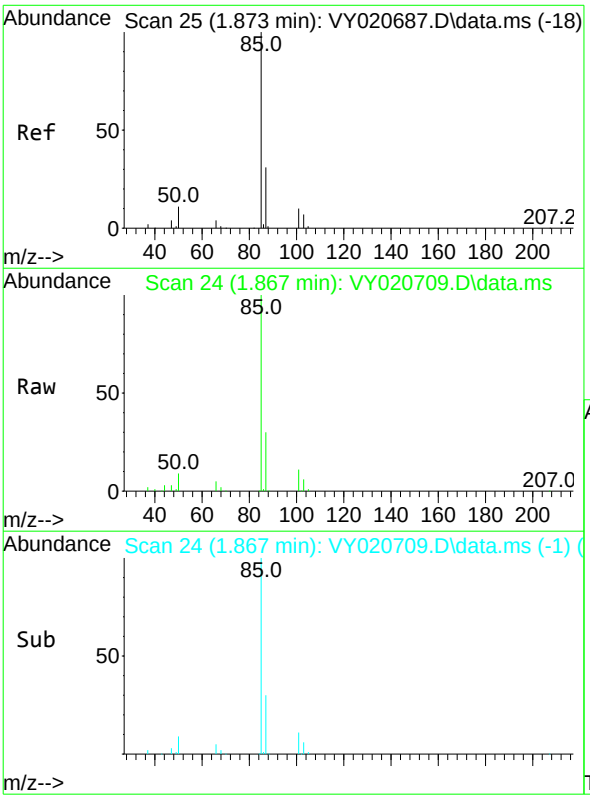
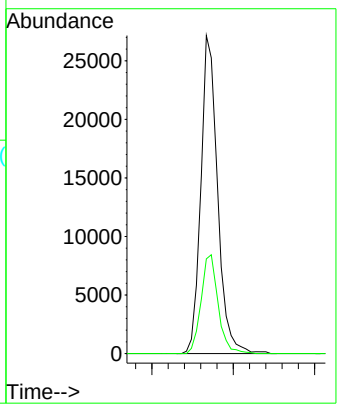
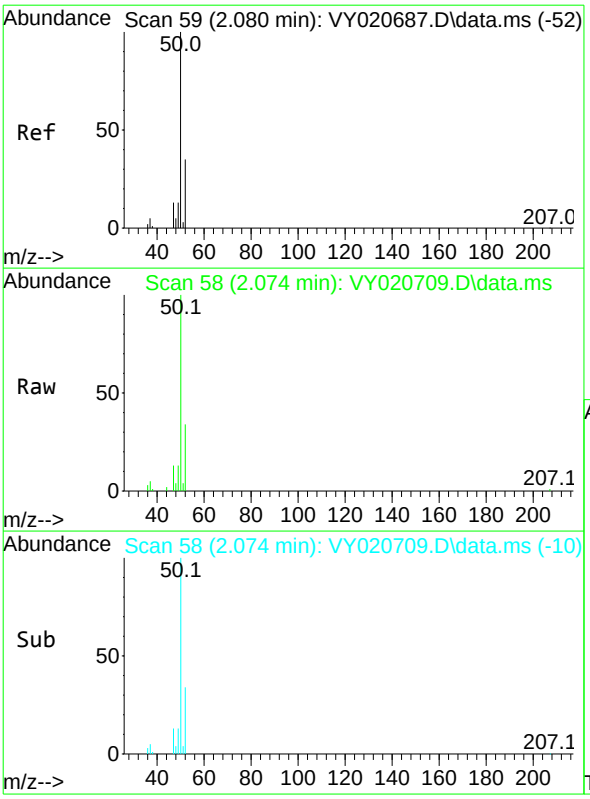


#2
Dichlorodifluoromethane
Concen: 51.393 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 85 Resp: 38801

Ion	Ratio	Lower	Upper
85	100		
87	29.8	15.4	46.4

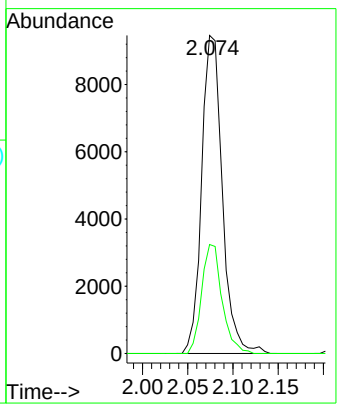




#3
Chloromethane
Concen: 53.407 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 50 Resp: 15038

Ion	Ratio	Lower	Upper
50	100		
52	34.3	28.2	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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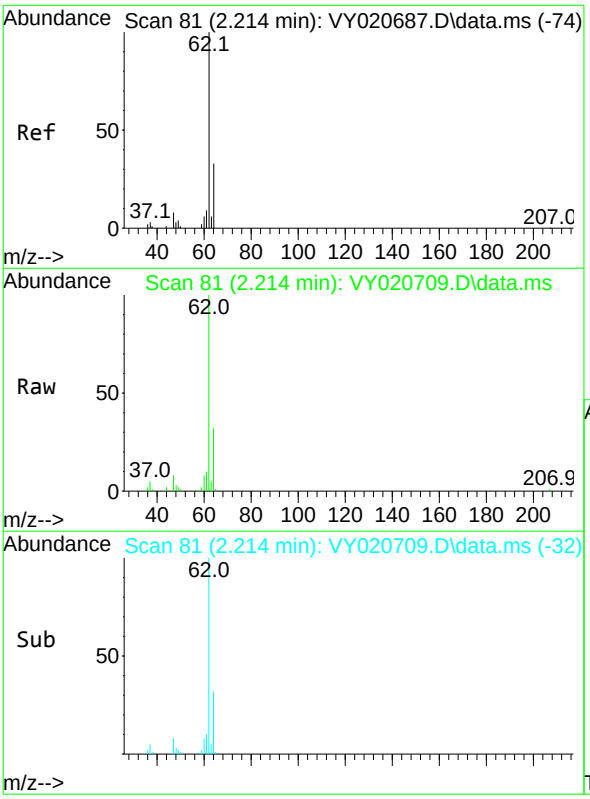
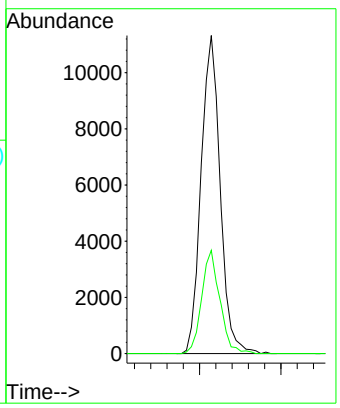
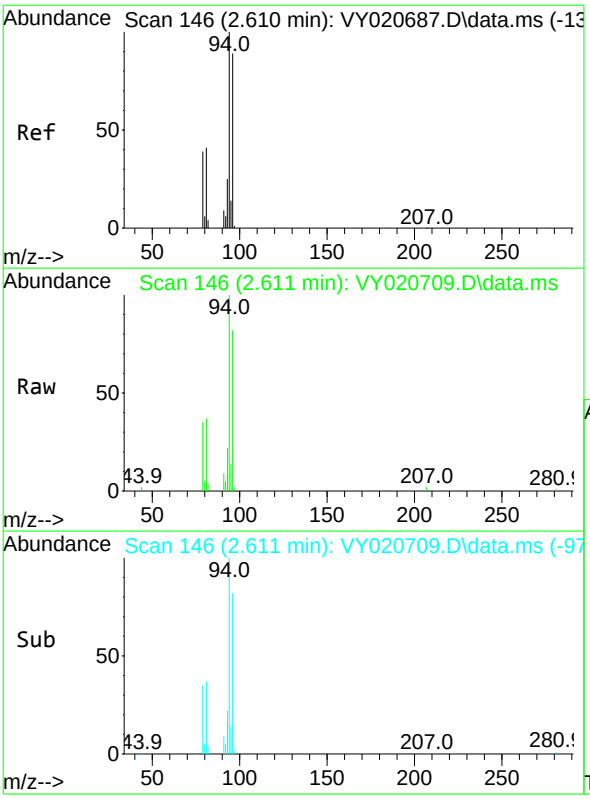


#4
Vinyl Chloride
Concen: 52.843 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 62 Resp: 18435

Ion	Ratio	Lower	Upper
62	100		
64	32.5	26.6	40.0

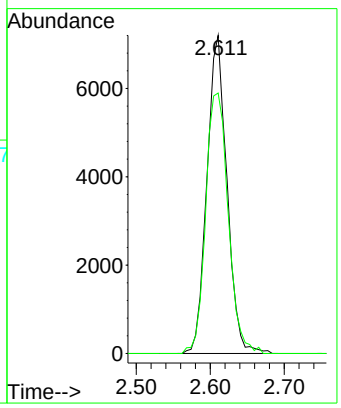




#5
Bromomethane
Concen: 51.355 ug/l
RT: 2.611 min Scan# 14
Delta R.T. 0.001 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 94 Resp: 13527

Ion	Ratio	Lower	Upper
94	100		
96	81.9	71.0	106.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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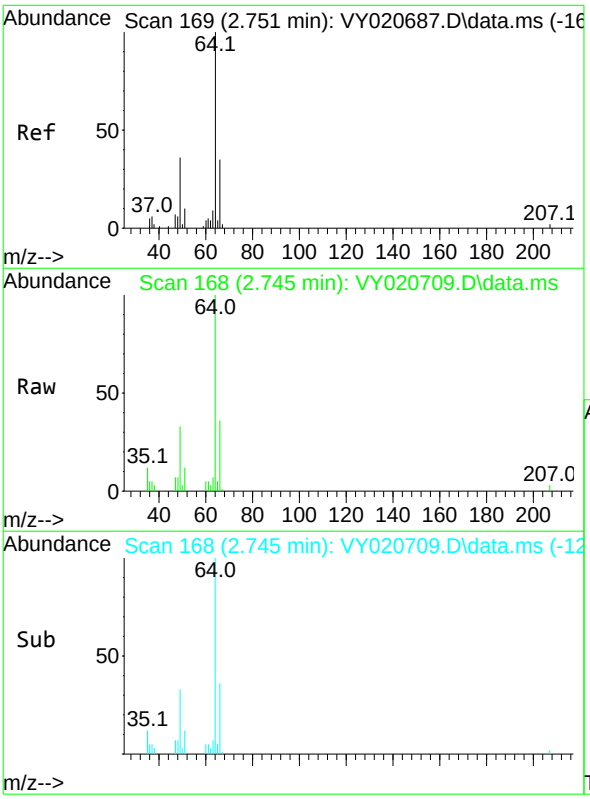
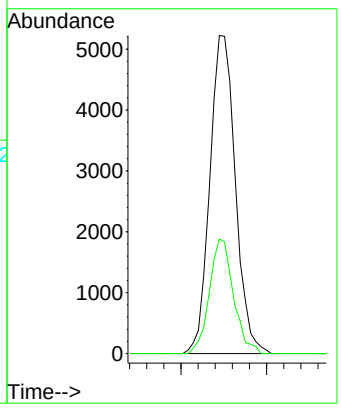
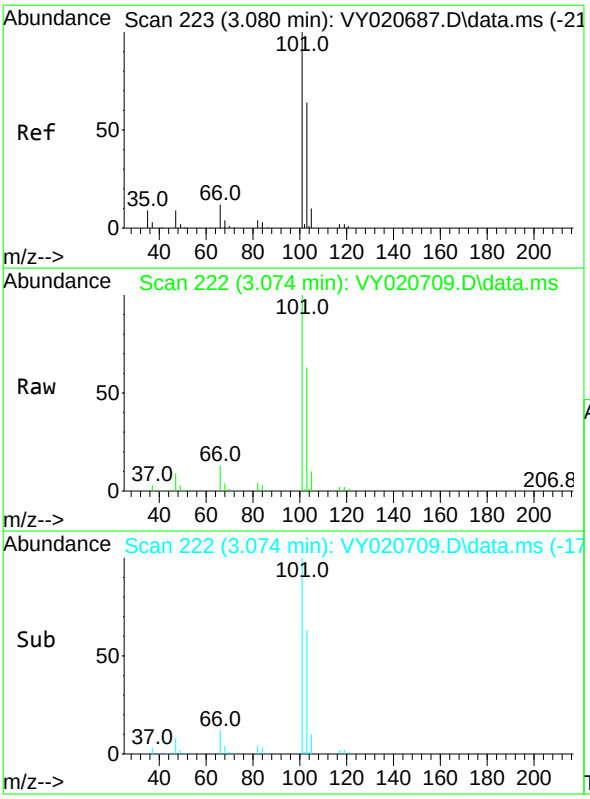


#6
Chloroethane
Concen: 51.686 ug/l
RT: 2.745 min Scan# 168
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 64 Resp: 10817

Ion	Ratio	Lower	Upper
64	100		
66	36.0	27.8	41.8

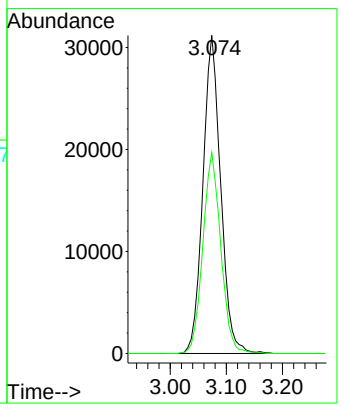




#7
Trichlorofluoromethane
Concen: 51.119 ug/l
RT: 3.074 min Scan# 22
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:101 Resp: 68580

Ion	Ratio	Lower	Upper
101	100		
103	63.1	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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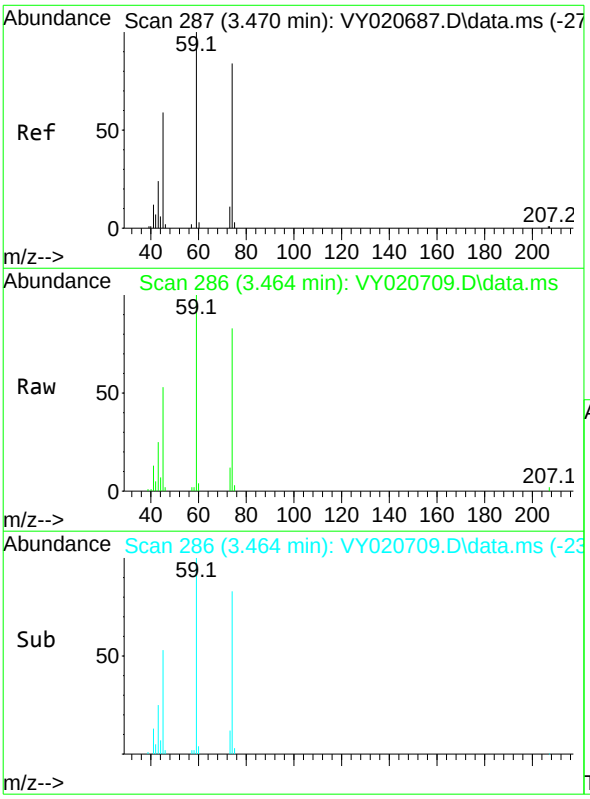
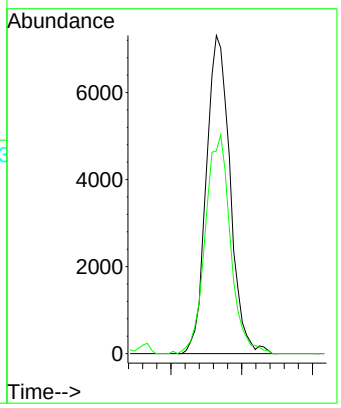
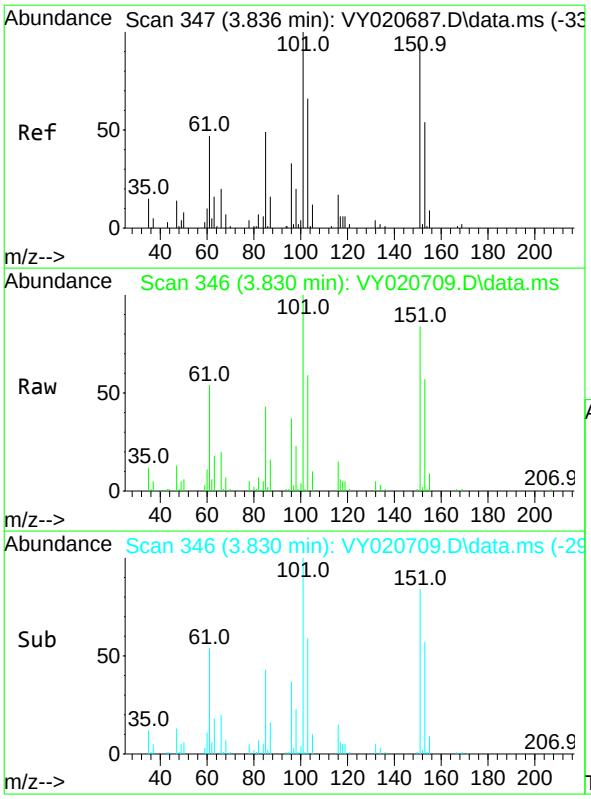


#8
Diethyl Ether
Concen: 53.449 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 74 Resp: 17063

Ion	Ratio	Lower	Upper
74	100		
45	72.5	35.8	107.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.872 ug/l
RT: 3.830 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 37468

Ion	Ratio	Lower	Upper
101	100		
85	47.0	38.2	57.2
151	85.1	68.4	102.6

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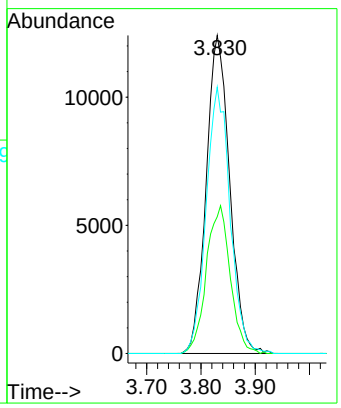
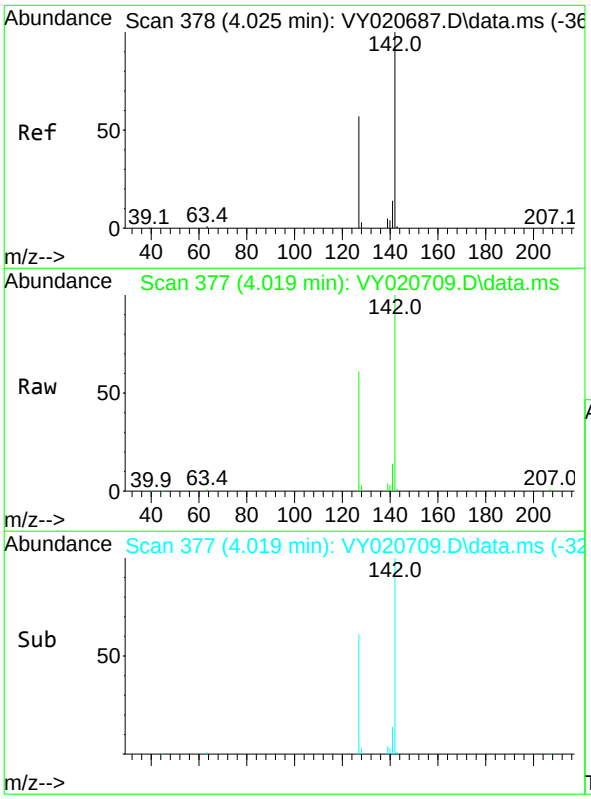
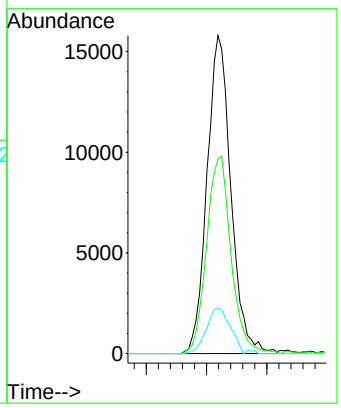


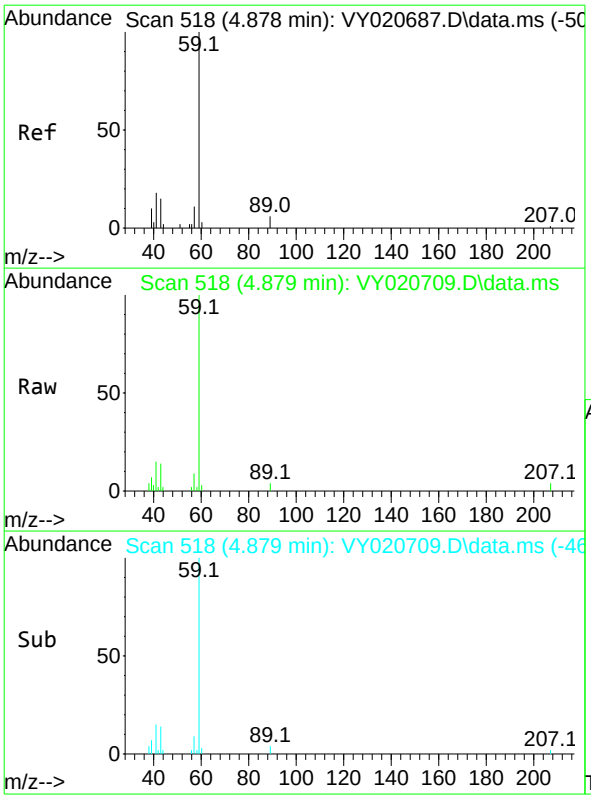


#10
Methyl Iodide
Concen: 53.984 ug/l
RT: 4.019 min Scan# 377
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:142 Resp: 43478

Ion	Ratio	Lower	Upper
142	100		
127	63.6	48.8	73.2
141	14.6	11.9	17.9





#11
Tert butyl alcohol
Concen: 276.533 ug/l
RT: 4.879 min Scan# 51
Delta R.T. 0.001 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 59 Resp: 13467

Ion	Ratio	Lower	Upper
59	100		
57	6.4	2.8	4.2#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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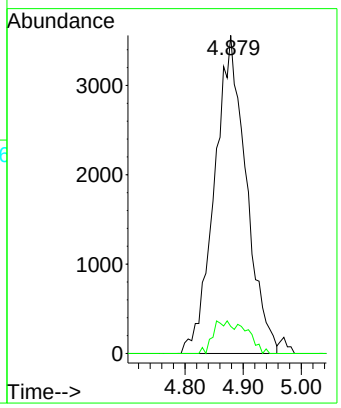
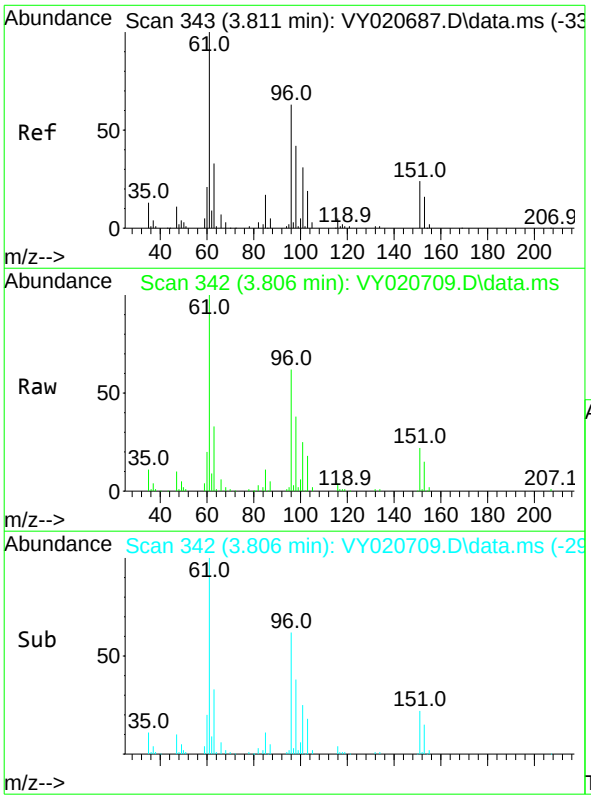
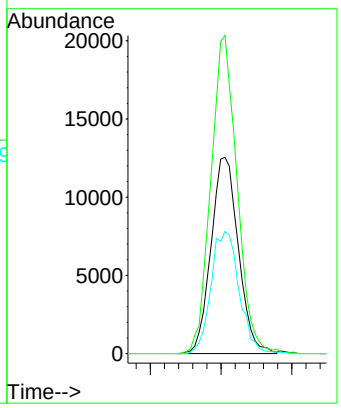


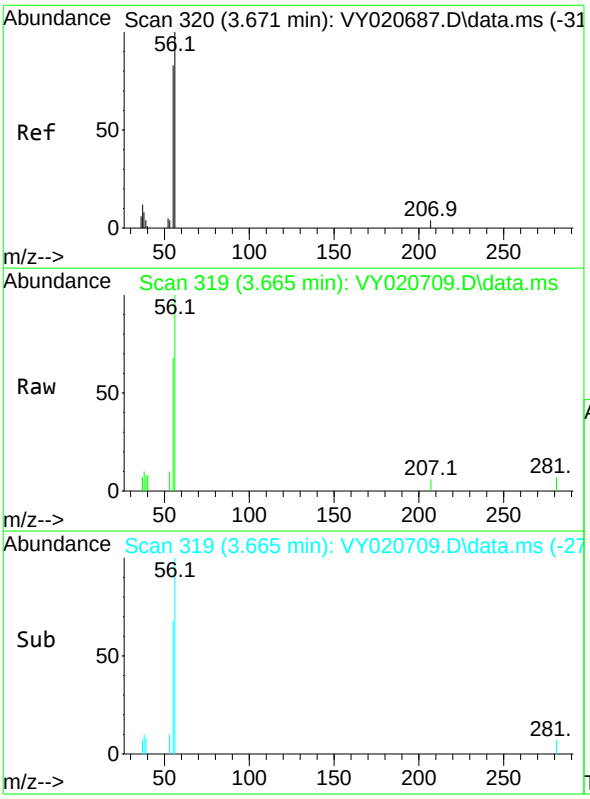


#12
1,1-Dichloroethene
Concen: 51.495 ug/l
RT: 3.806 min Scan# 342
Delta R.T. -0.005 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 96 Resp: 33758

Ion	Ratio	Lower	Upper
96	100		
61	162.0	127.1	190.7
98	62.2	53.4	80.0

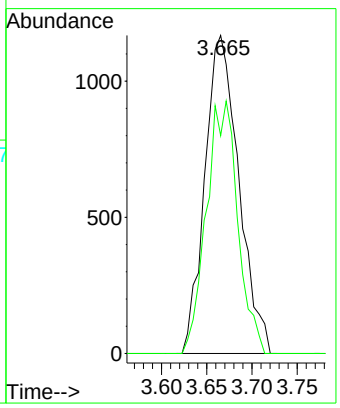




#13
Acrolein
Concen: 185.584 ug/l
RT: 3.665 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 56 Resp: 3048

Ion	Ratio	Lower	Upper
56	100		
55	73.2	57.0	85.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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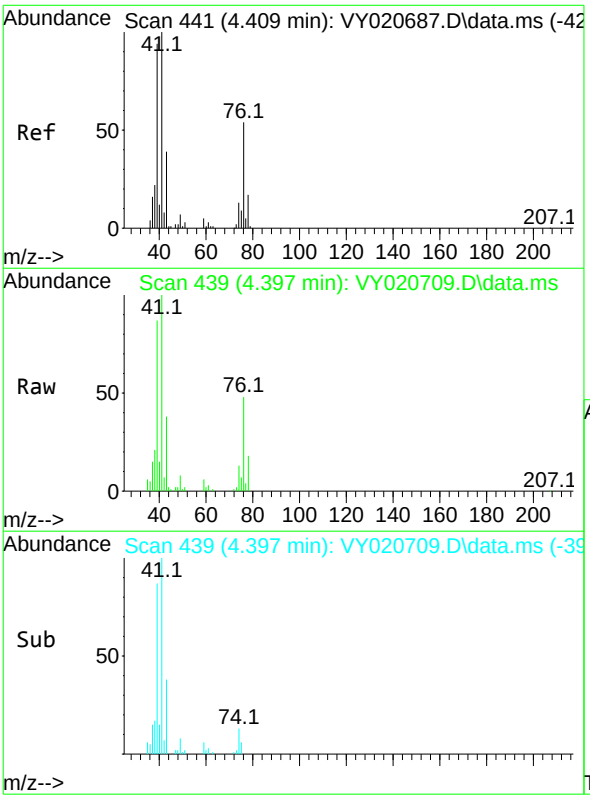
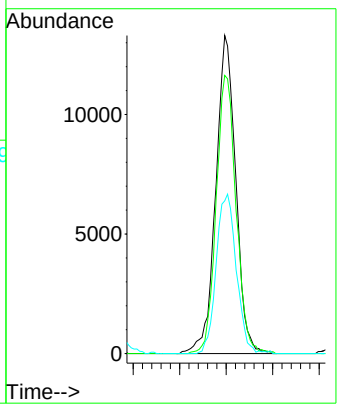
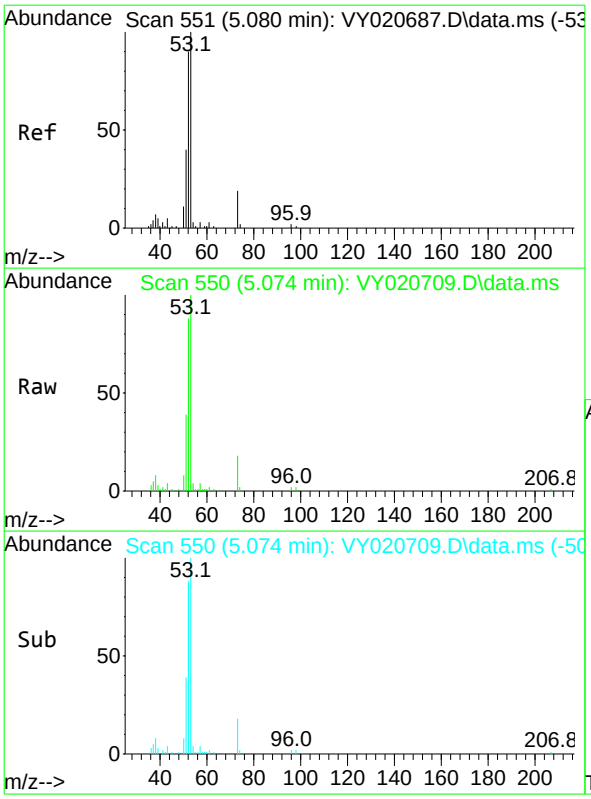


#14
Allyl chloride
Concen: 51.717 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.012 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 41 Resp: 39674

Ion	Ratio	Lower	Upper
41	100		
39	87.2	73.5	110.3
76	50.6	41.8	62.8





#15
Acrylonitrile
Concen: 276.260 ug/l
RT: 5.074 min Scan# 55
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 53 Resp: 34070

Ion	Ratio	Lower	Upper
53	100		
52	82.1	67.1	100.7
51	40.1	31.4	47.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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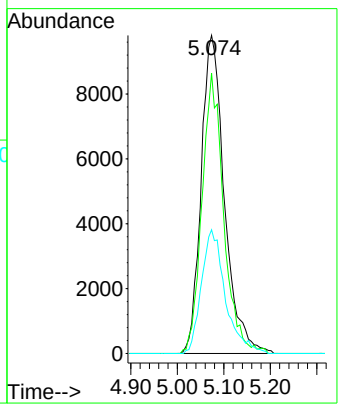
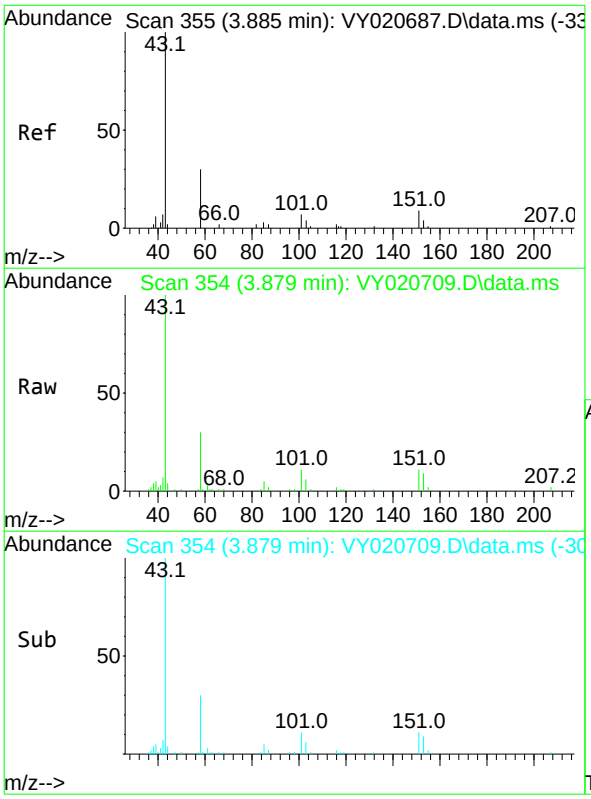
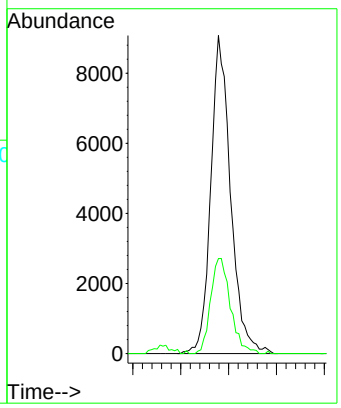


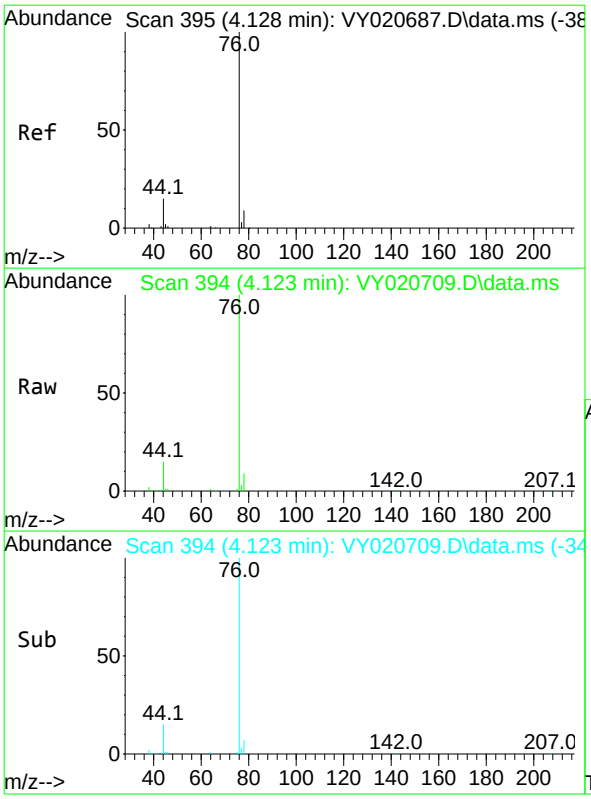


#16
Acetone
Concen: 261.525 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 43 Resp: 26066

Ion	Ratio	Lower	Upper
43	100		
58	29.9	25.0	37.6

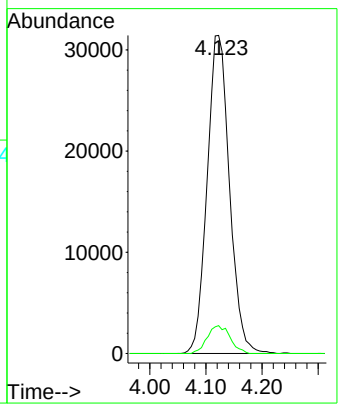




#17
Carbon Disulfide
Concen: 54.046 ug/l
RT: 4.123 min Scan# 39
Delta R.T. -0.005 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 76 Resp: 86912

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.9	10.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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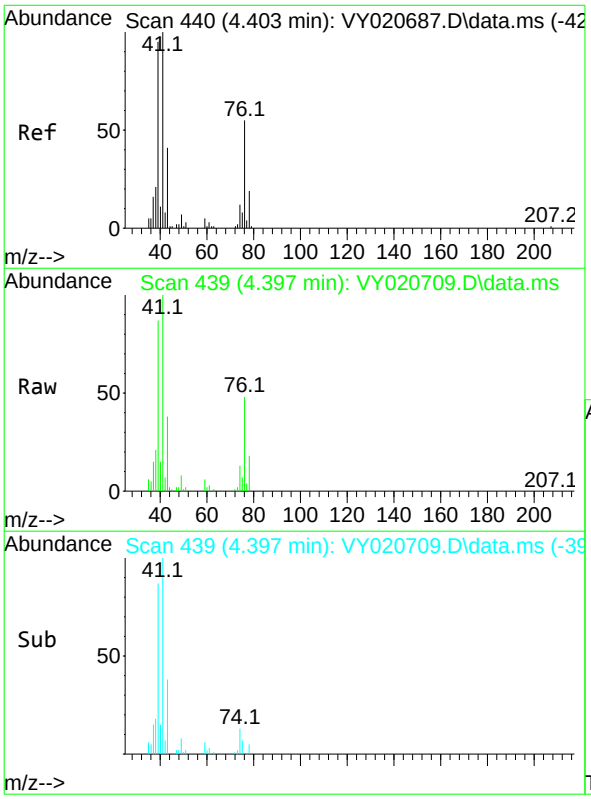
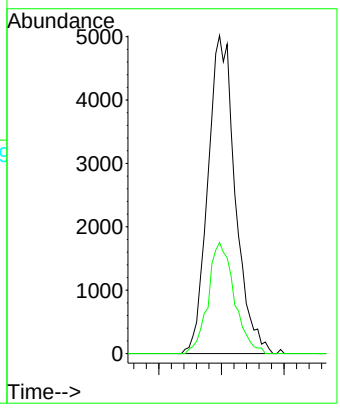
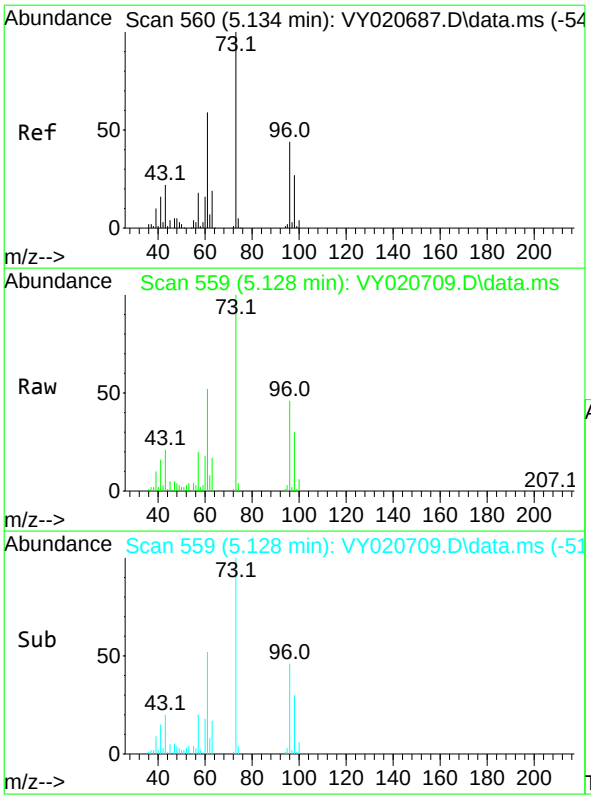


#18
Methyl Acetate
Concen: 56.466 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 43 Resp: 15232

Ion	Ratio	Lower	Upper
43	100		
74	33.3	25.3	37.9

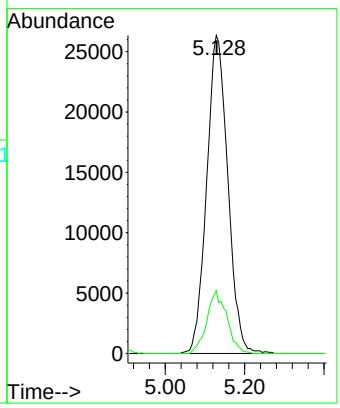




#19
Methyl tert-butyl Ether
Concen: 53.300 ug/l
RT: 5.128 min Scan# 55
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 73 Resp: 97389

Ion	Ratio	Lower	Upper
73	100		
57	19.7	14.4	21.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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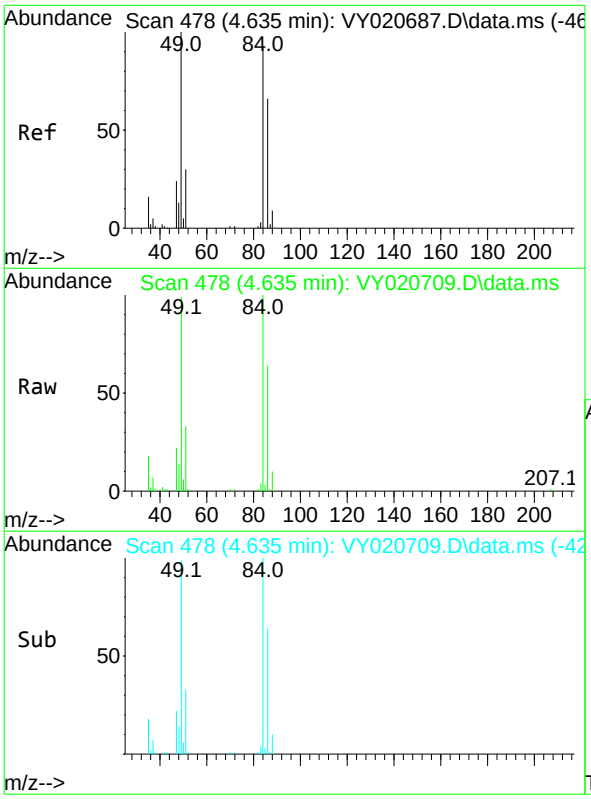
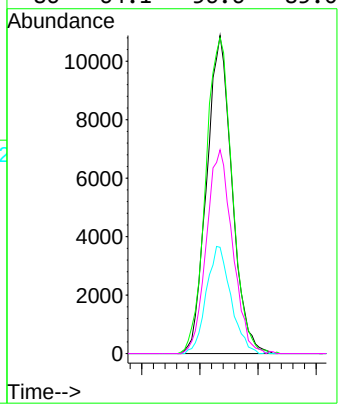
Supervised By :Semsettin Yesilyurt 12/27/2024

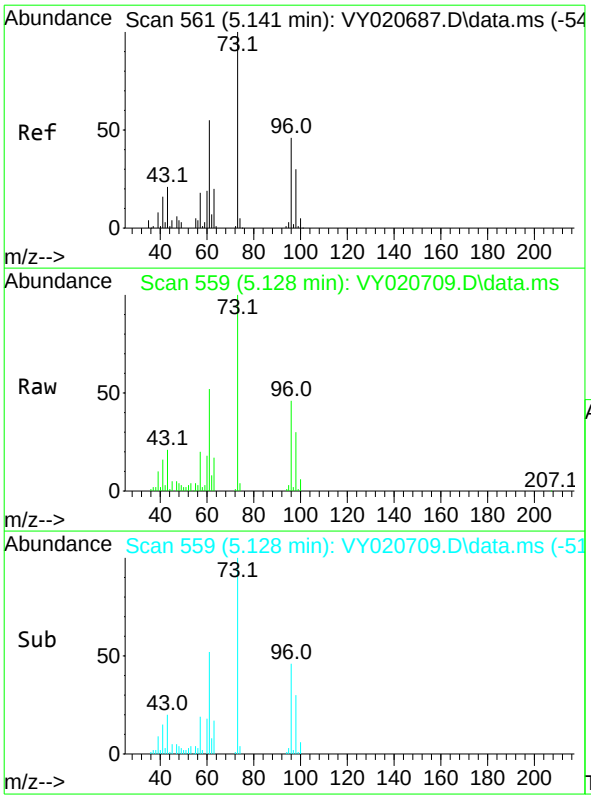


#20
Methylene Chloride
Concen: 50.741 ug/l
RT: 4.635 min Scan# 478
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 84 Resp: 32892

Ion	Ratio	Lower	Upper
84	100		
49	99.3	86.4	129.6
51	33.4	25.5	38.3
86	64.1	56.6	85.0

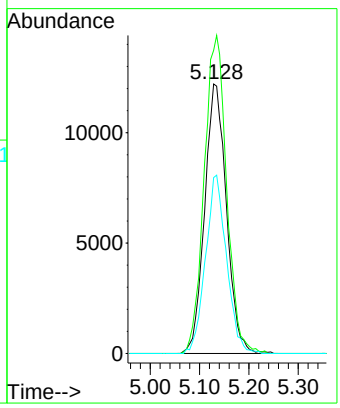




#21
trans-1,2-Dichloroethene
Concen: 53.081 ug/l
RT: 5.128 min Scan# 55
Delta R.T. -0.013 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 96 Resp: 37498

Ion	Ratio	Lower	Upper
96	100		
61	112.5	96.1	144.1
98	65.3	52.7	79.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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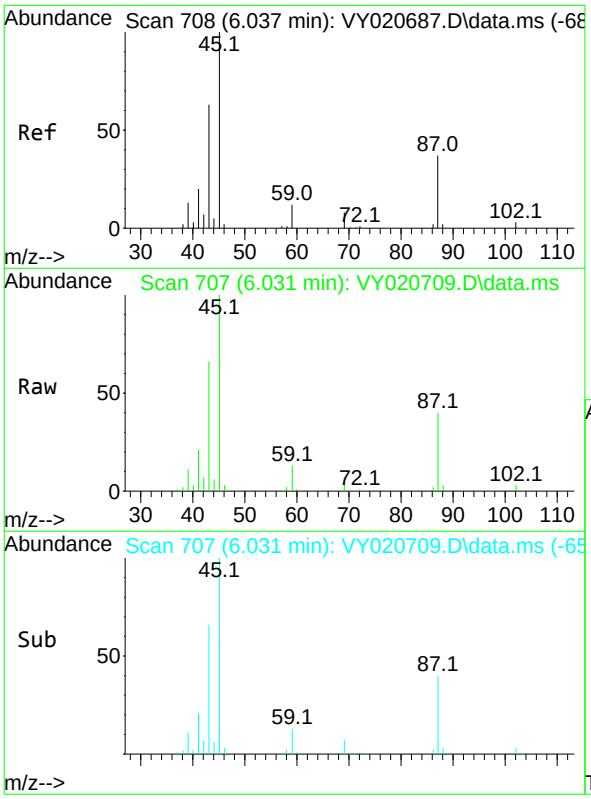
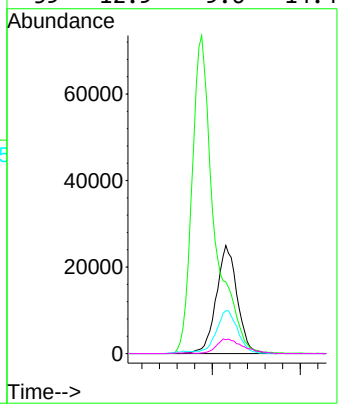
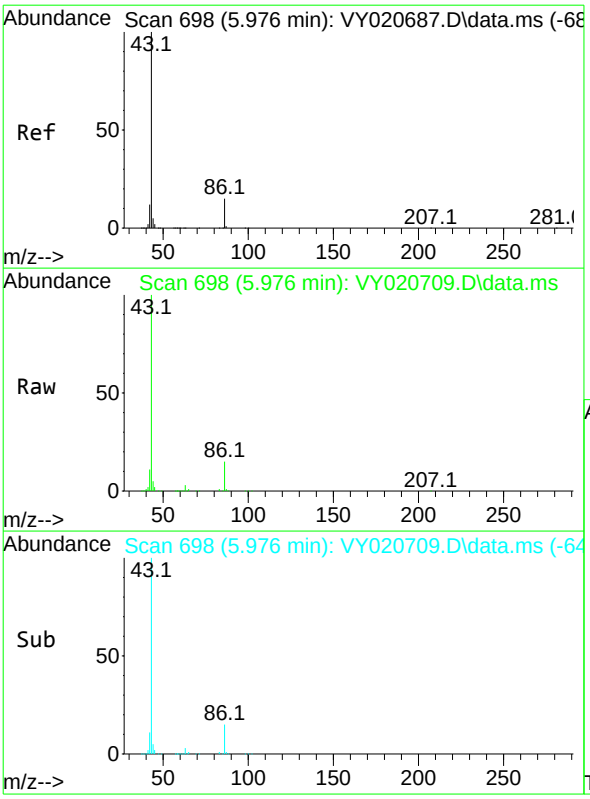


#22
Diisopropyl ether
Concen: 52.731 ug/l
RT: 6.031 min Scan# 707
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 45 Resp: 82233

Ion	Ratio	Lower	Upper
45	100		
43	65.4	51.3	76.9
87	39.6	30.6	46.0
59	12.9	9.6	14.4

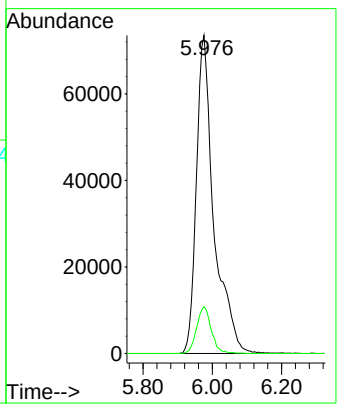




#23
Vinyl Acetate
Concen: 276.499 ug/l
RT: 5.976 min Scan# 69
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 43 Resp: 257552

Ion	Ratio	Lower	Upper
43	100		
86	14.7	12.0	18.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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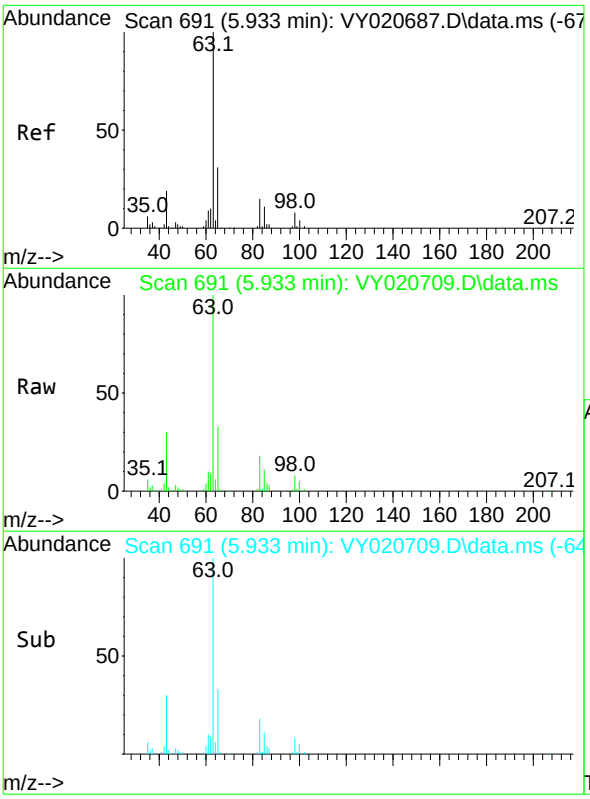
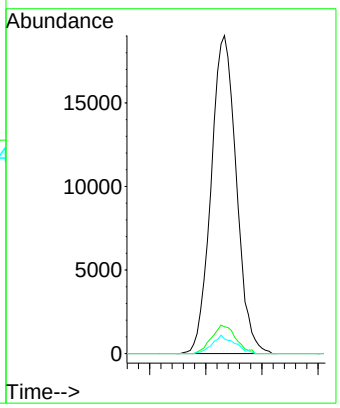
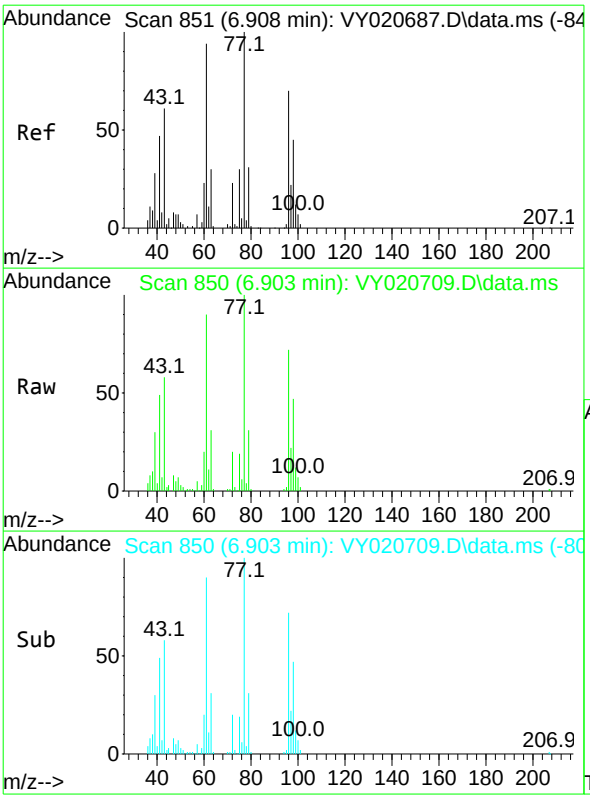


#24
1,1-Dichloroethane
Concen: 50.822 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 63 Resp: 59422

Ion	Ratio	Lower	Upper
63	100		
98	8.4	4.0	12.0
100	4.6	2.1	6.2

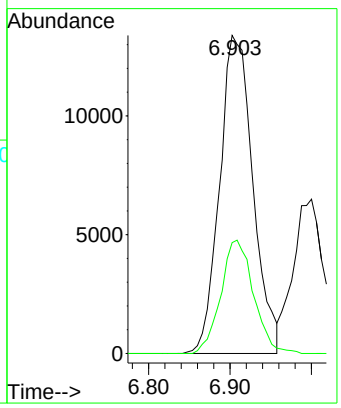




#25
2-Butanone
Concen: 283.310 ug/l
RT: 6.903 min Scan# 85
Delta R.T. -0.005 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 43 Resp: 38144

Ion	Ratio	Lower	Upper
43	100		
72	34.9	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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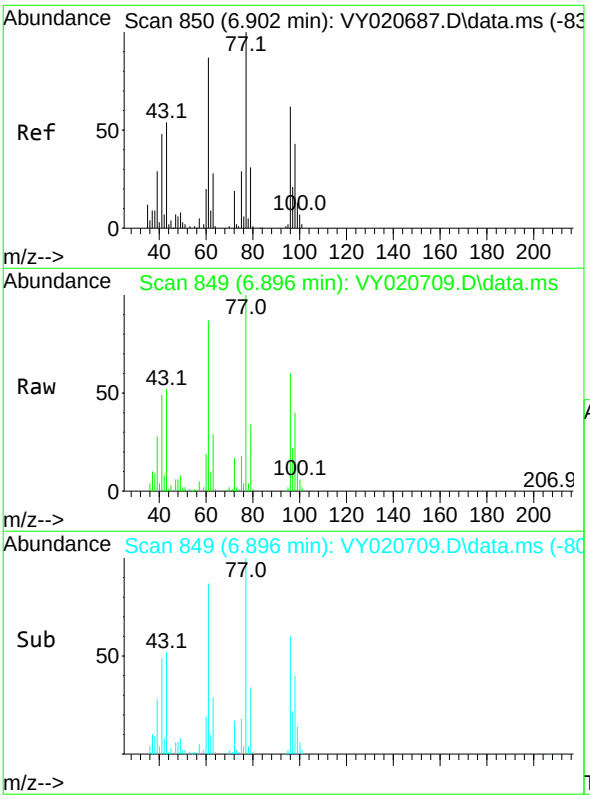
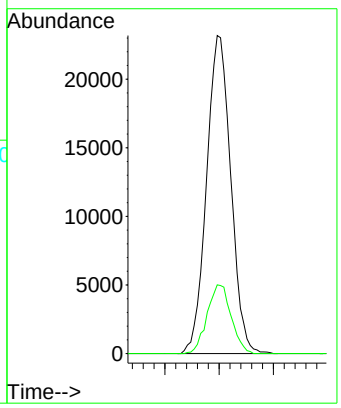
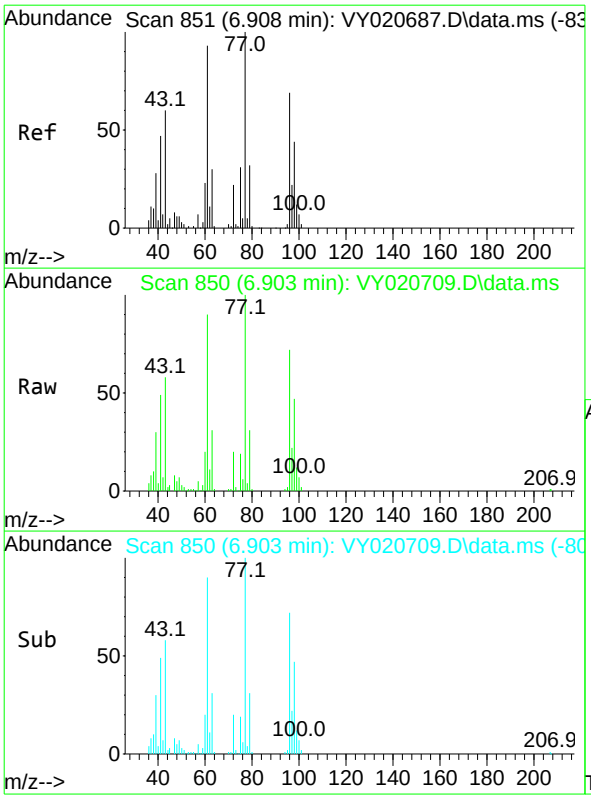


#26
2,2-Dichloropropane
Concen: 50.280 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 77 Resp: 71954

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.8	32.4

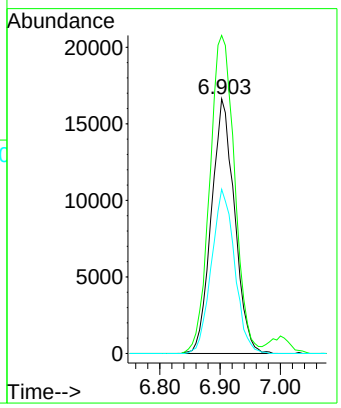




#27
cis-1,2-Dichloroethene
Concen: 52.410 ug/l
RT: 6.903 min Scan# 85
Delta R.T. -0.005 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 96 Resp: 44338

Ion	Ratio	Lower	Upper
96	100		
61	134.5	0.0	277.2
98	64.5	0.0	131.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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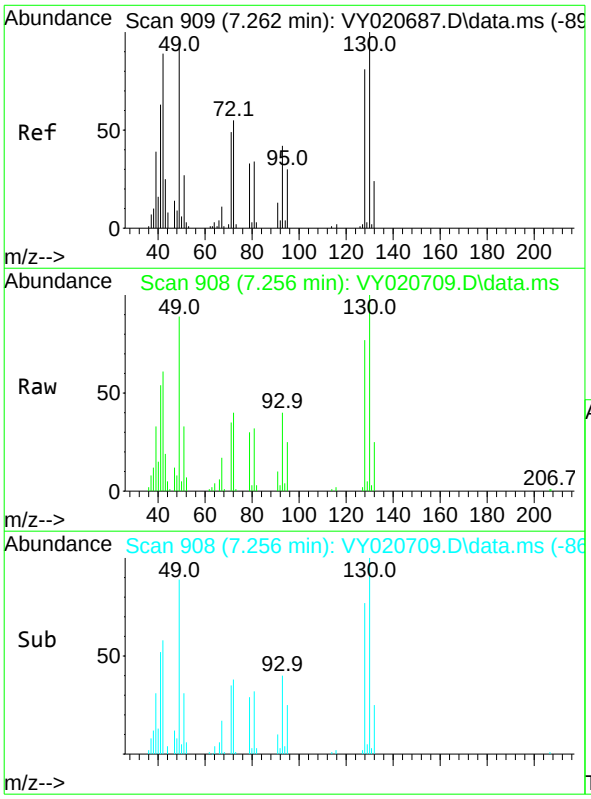
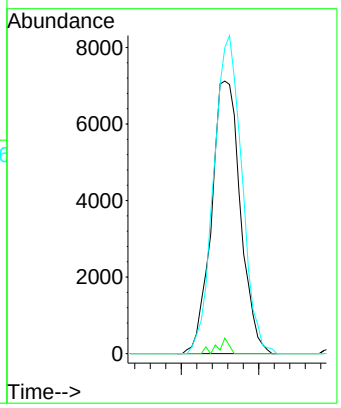
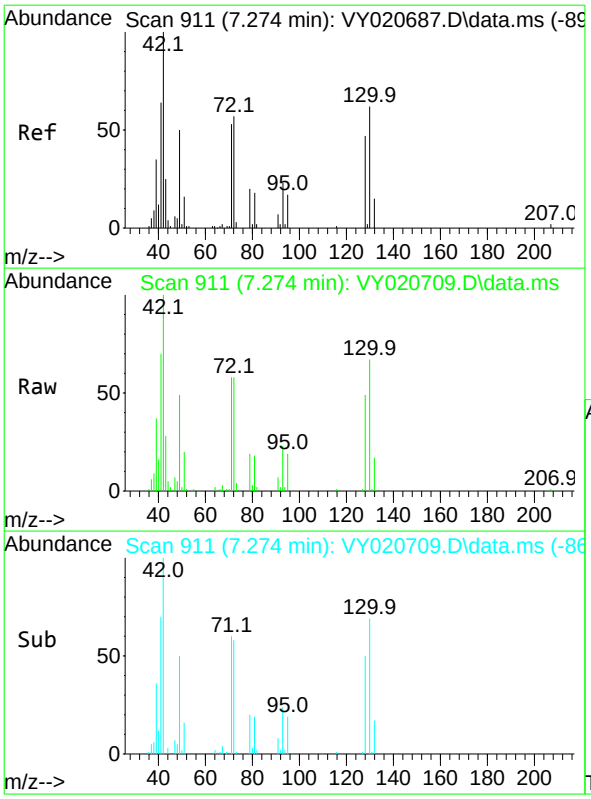


#28
Bromochloromethane
Concen: 59.719 ug/l
RT: 7.256 min Scan# 908
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 49 Resp: 18465

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	5.4
130	113.6	87.2	130.8

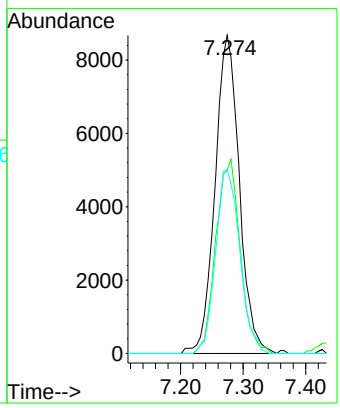




#29
Tetrahydrofuran
Concen: 283.255 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 42 Resp: 23409

Ion	Ratio	Lower	Upper
42	100		
72	61.0	47.4	71.0
71	57.8	42.8	64.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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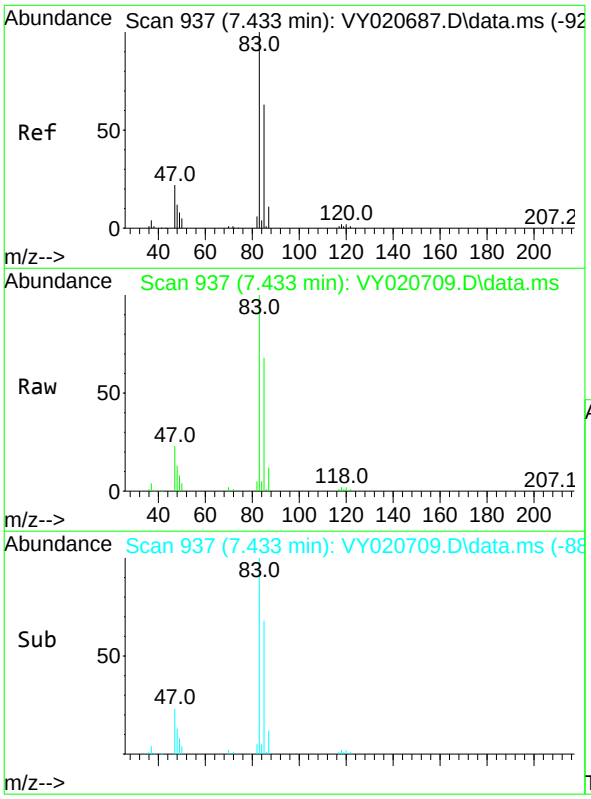
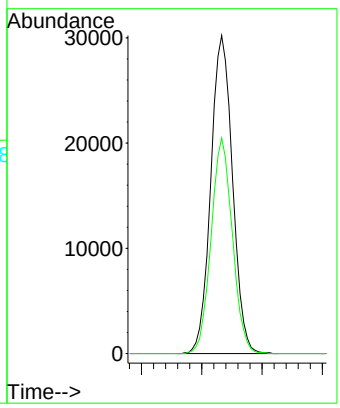
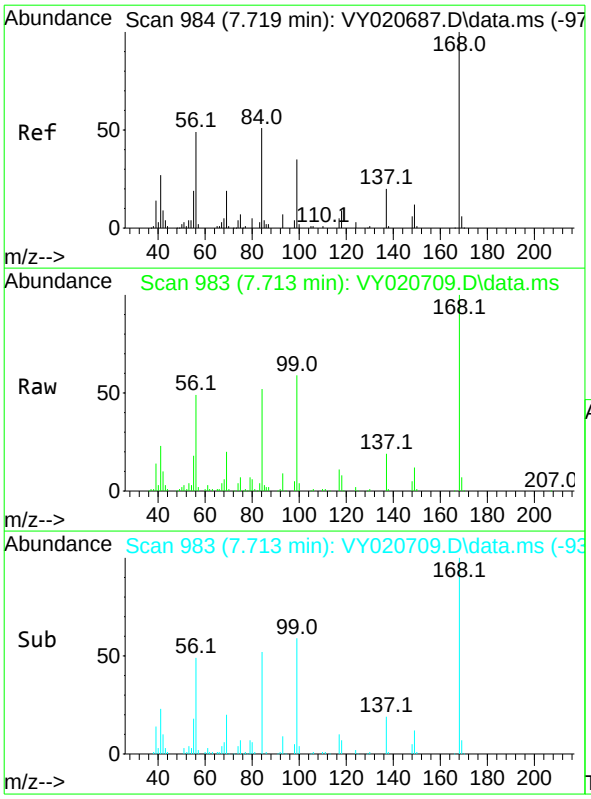


#30
Chloroform
Concen: 50.224 ug/l
RT: 7.433 min Scan# 937
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 83 Resp: 75540

Ion	Ratio	Lower	Upper
83	100		
85	67.8	50.2	75.2

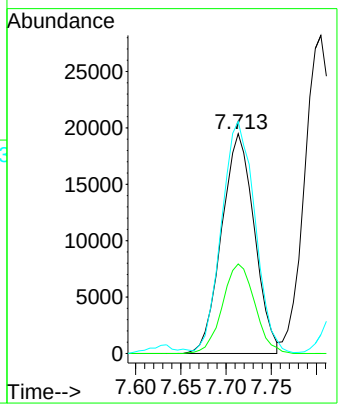




#31
Cyclohexane
Concen: 48.512 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 56 Resp: 48960

Ion	Ratio	Lower	Upper
56	100		
69	40.7	31.3	46.9
84	104.0	83.9	125.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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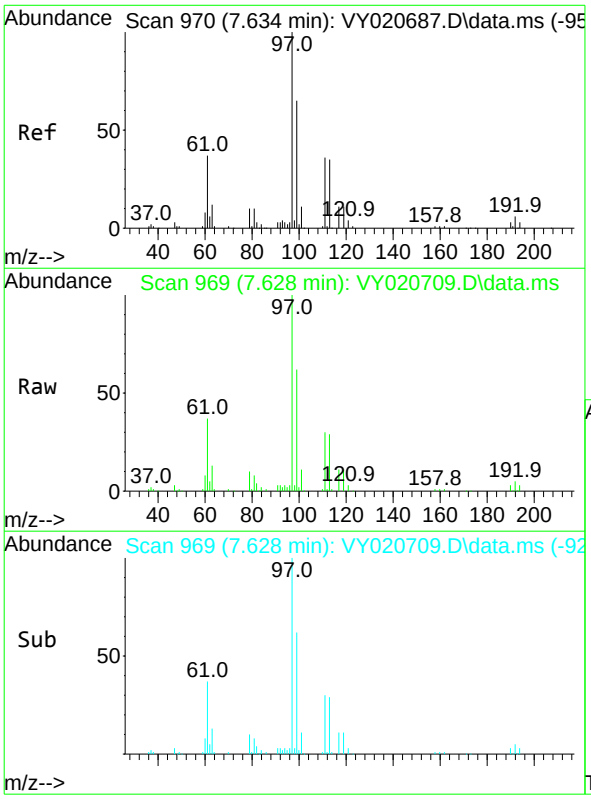
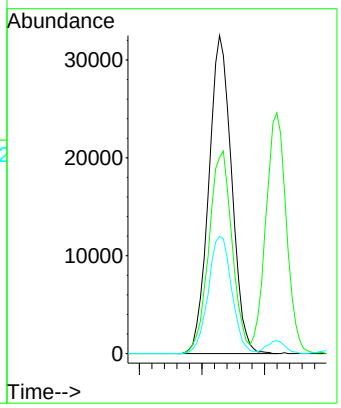
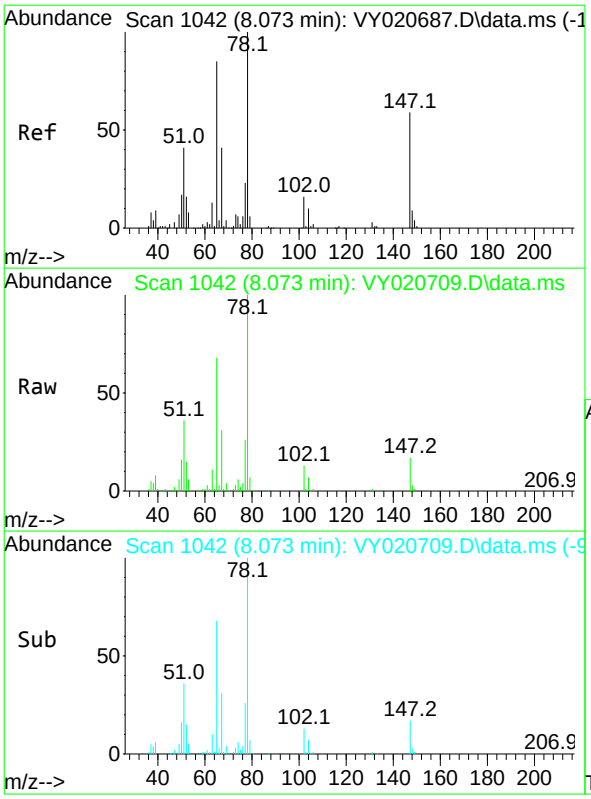


#32
1,1,1-Trichloroethane
Concen: 51.087 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 97 Resp: 82365

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.0	76.6
61	37.8	30.0	45.0

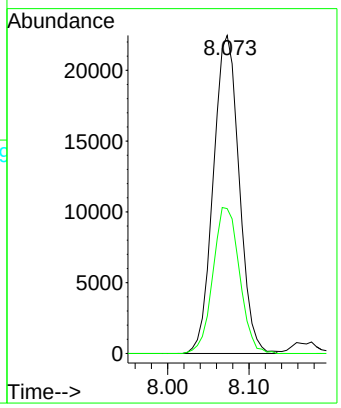




#33
1,2-Dichloroethane-d4
Concen: 63.047 ug/l
RT: 8.073 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 65 Resp: 49534

Ion	Ratio	Lower	Upper
65	100		
67	47.2	0.0	98.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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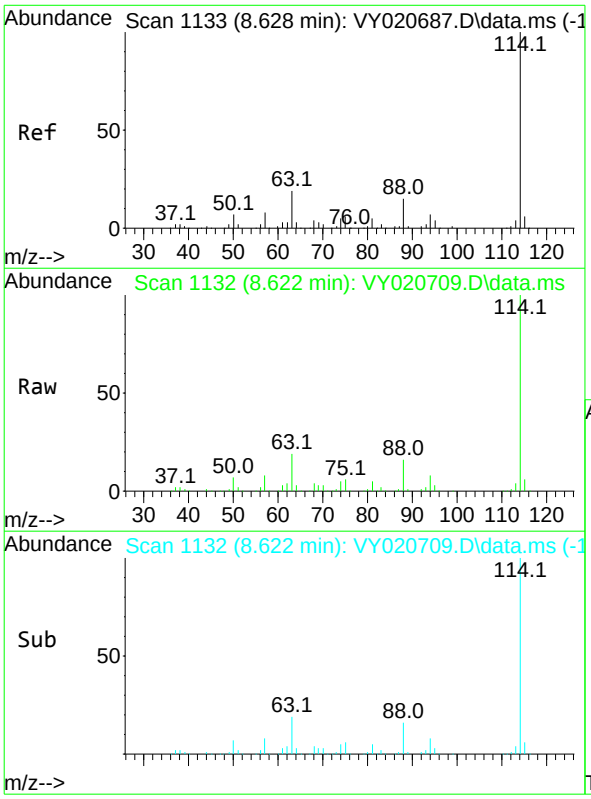
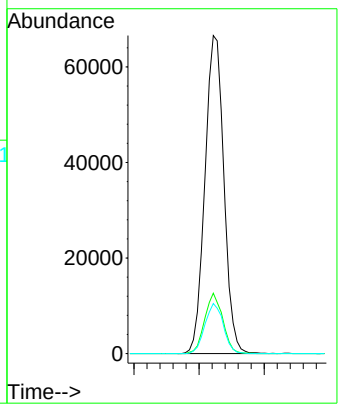
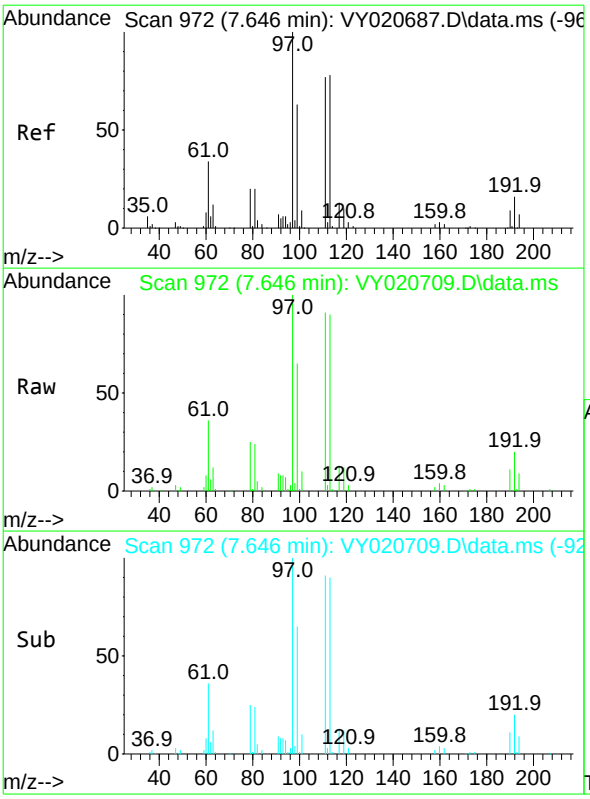


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:114 Resp: 134605

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	38.4
88	15.7	0.0	30.4

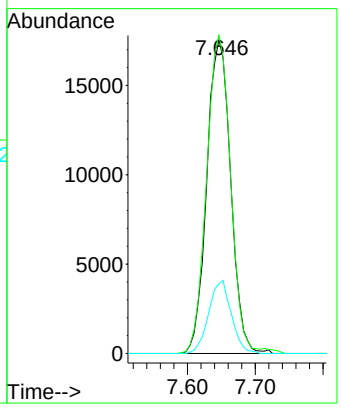




#35
Dibromofluoromethane
Concen: 57.936 ug/l
RT: 7.646 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:113 Resp: 42955

Ion	Ratio	Lower	Upper
113	100		
111	102.5	79.8	119.8
192	22.0	17.0	25.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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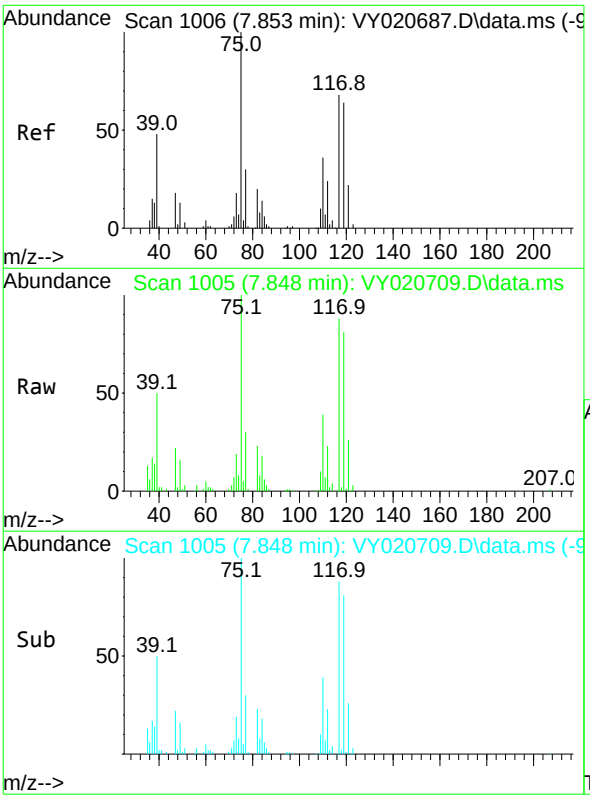
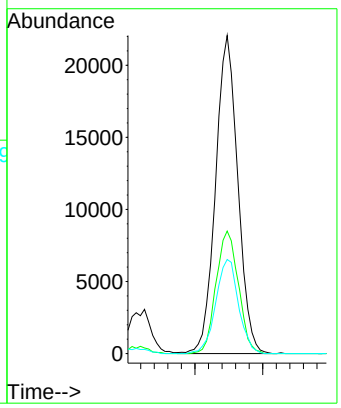
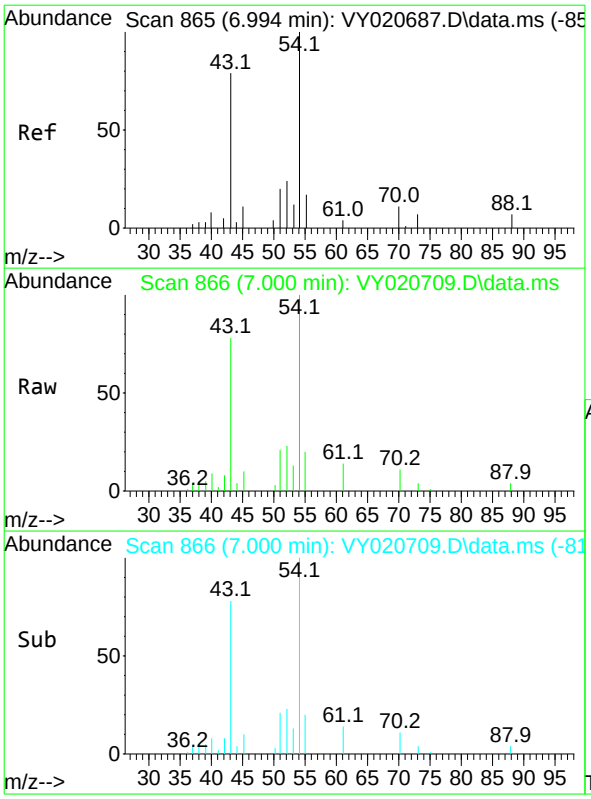


#36
1,1-Dichloropropene
Concen: 51.408 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. -0.005 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 75 Resp: 50348

Ion	Ratio	Lower	Upper
75	100		
110	38.6	19.6	58.7
77	30.3	25.1	37.7

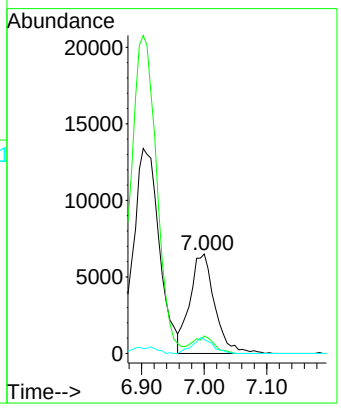




#37
Ethyl Acetate
Concen: 55.607 ug/l
RT: 7.000 min Scan# 86
Delta R.T. 0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 43 Resp: 17946

Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.7	17.5
70	13.0	11.0	16.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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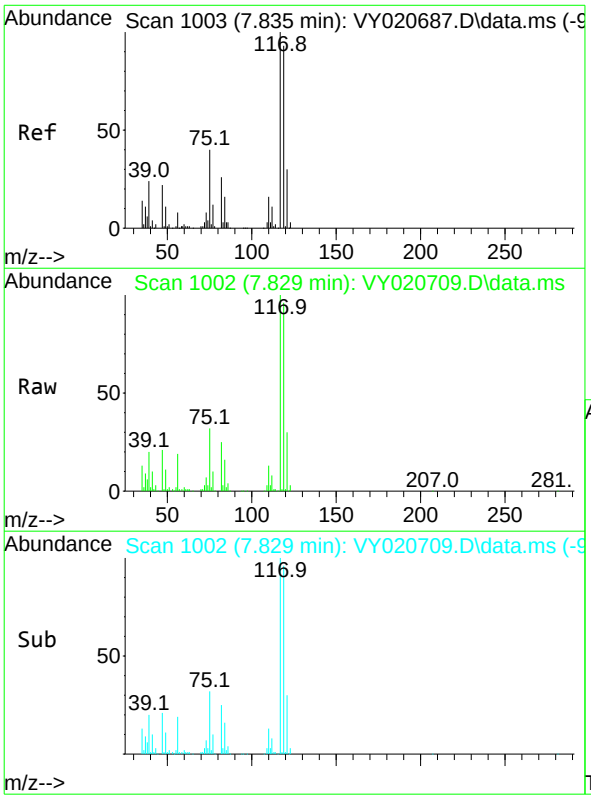
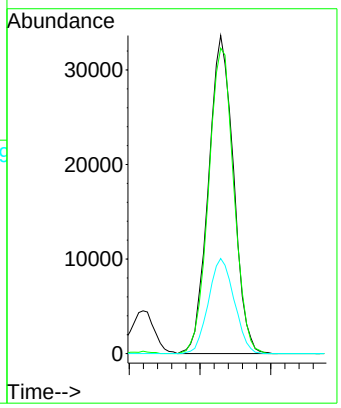
Supervised By :Semsettin Yesilyurt 12/27/2024

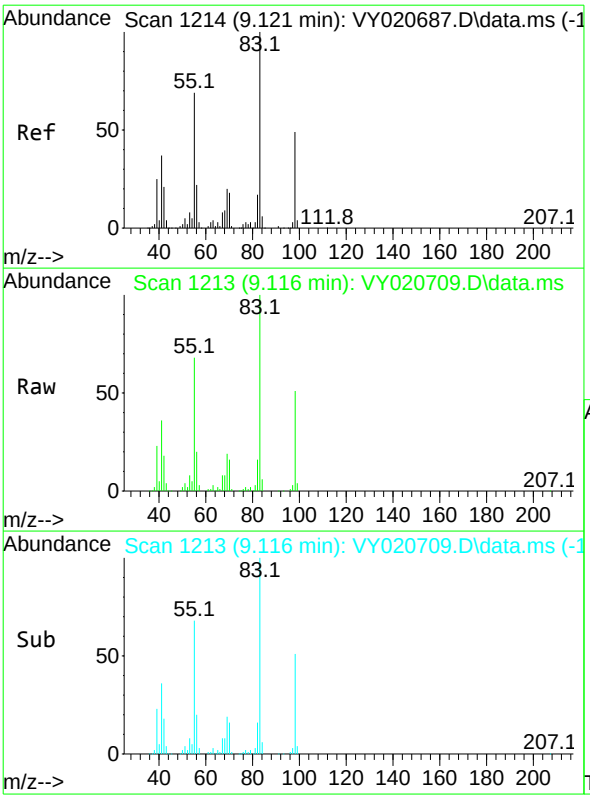


#38
Carbon Tetrachloride
Concen: 51.220 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:117 Resp: 82604

Ion	Ratio	Lower	Upper
117	100		
119	96.0	74.4	111.6
121	29.9	24.2	36.2





#39
Methylcyclohexane
Concen: 51.957 ug/l
RT: 9.116 min Scan# 12
Delta R.T. -0.005 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 83 Resp: 65222

Ion	Ratio	Lower	Upper
83	100		
55	68.2	55.0	82.4
98	50.5	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
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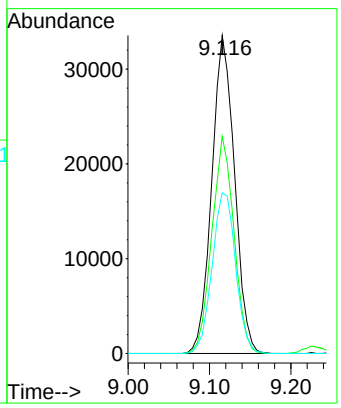
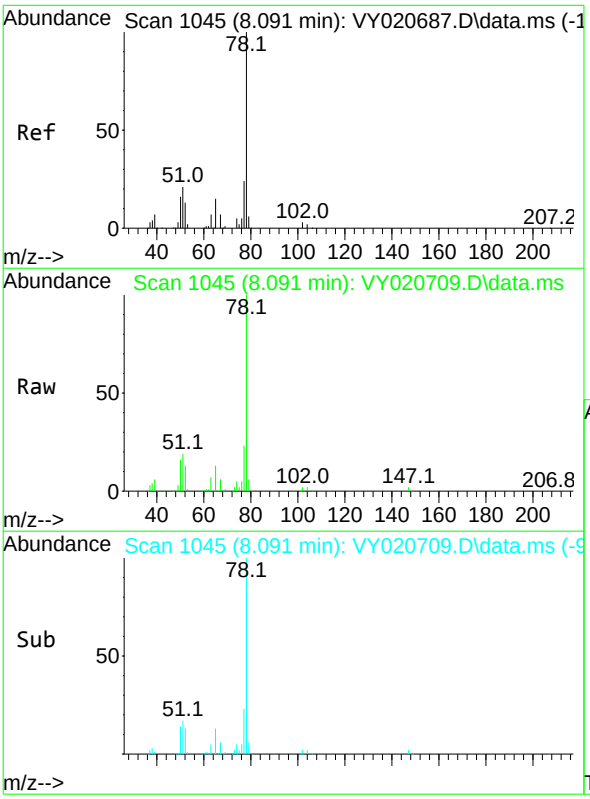
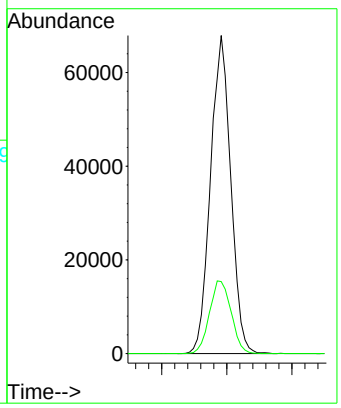


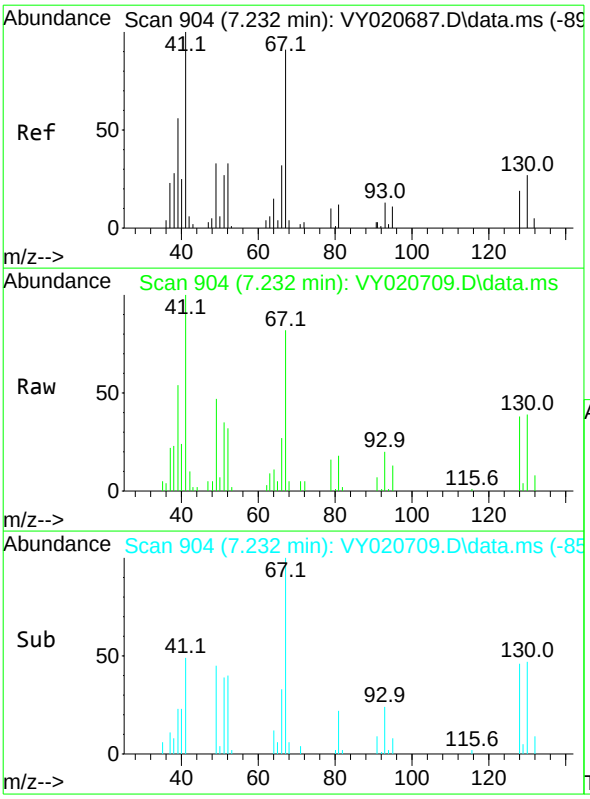


#40
Benzene
Concen: 51.623 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 78 Resp: 146525

Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.2	28.8

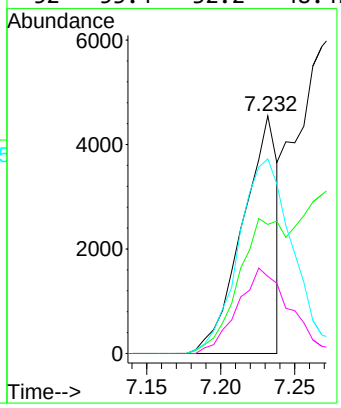




#41
Methacrylonitrile
Concen: 46.116 ug/l
RT: 7.232 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 41 Resp: 7518

Ion	Ratio	Lower	Upper
41	100		
39	75.4	46.6	70.0#
67	127.7	74.7	112.1#
52	53.4	32.2	48.4#



Instrument :
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ClientSampleId :
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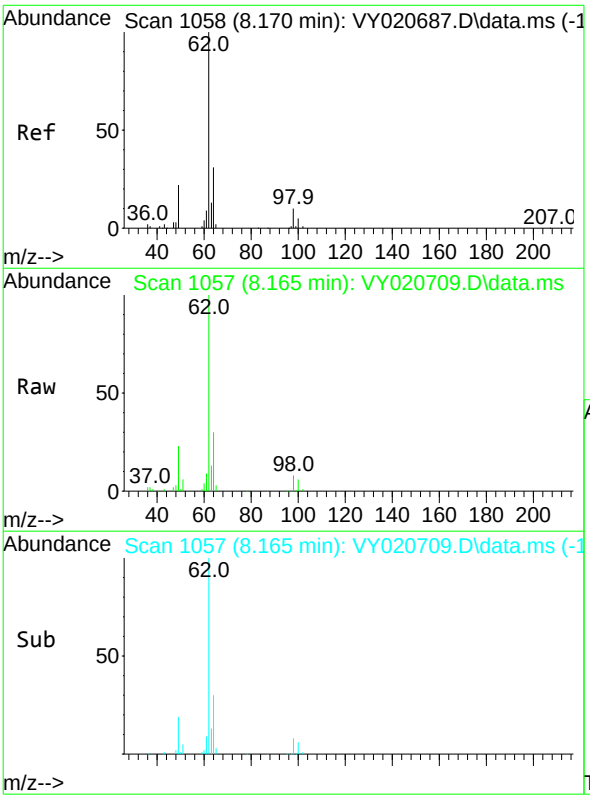
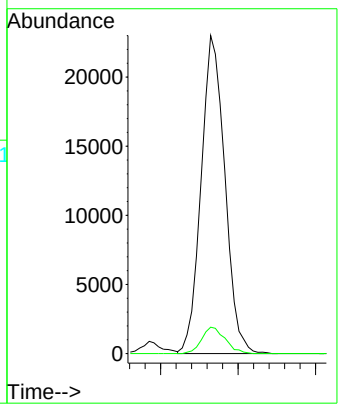
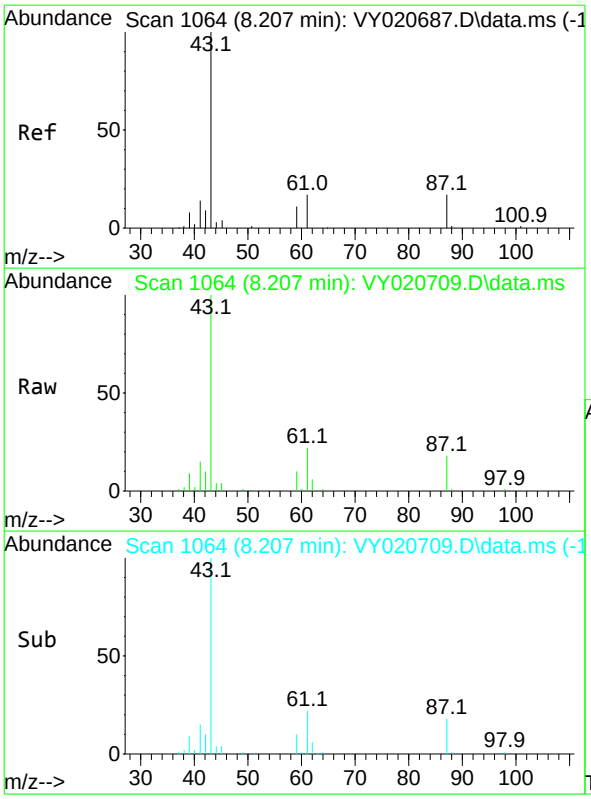


#42
1,2-Dichloroethane
Concen: 53.844 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. -0.005 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 62 Resp: 49005

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.6

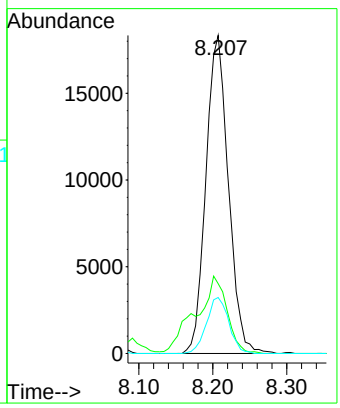




#43
Isopropyl Acetate
Concen: 56.406 ug/l
RT: 8.207 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 43 Resp: 38693

Ion	Ratio	Lower	Upper
43	100		
61	34.0	27.0	40.4
87	17.5	14.2	21.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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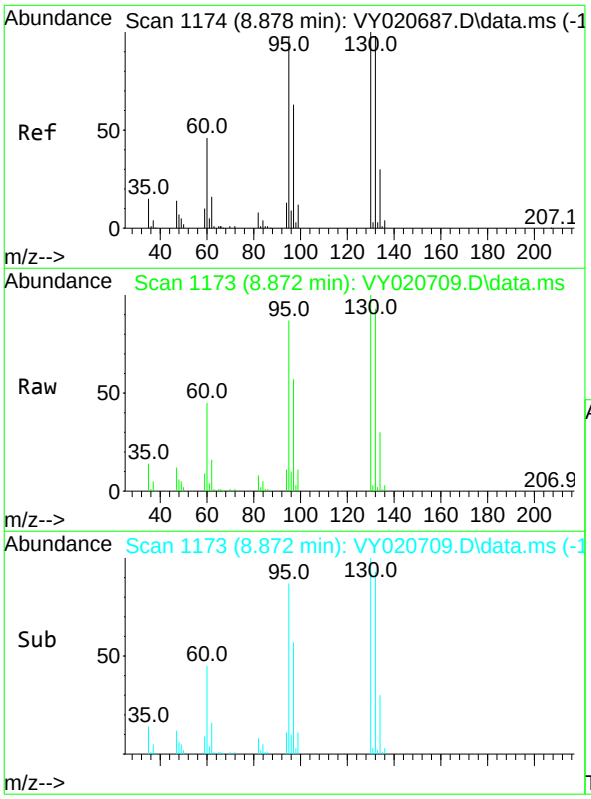
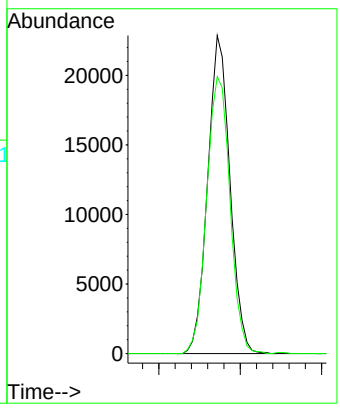
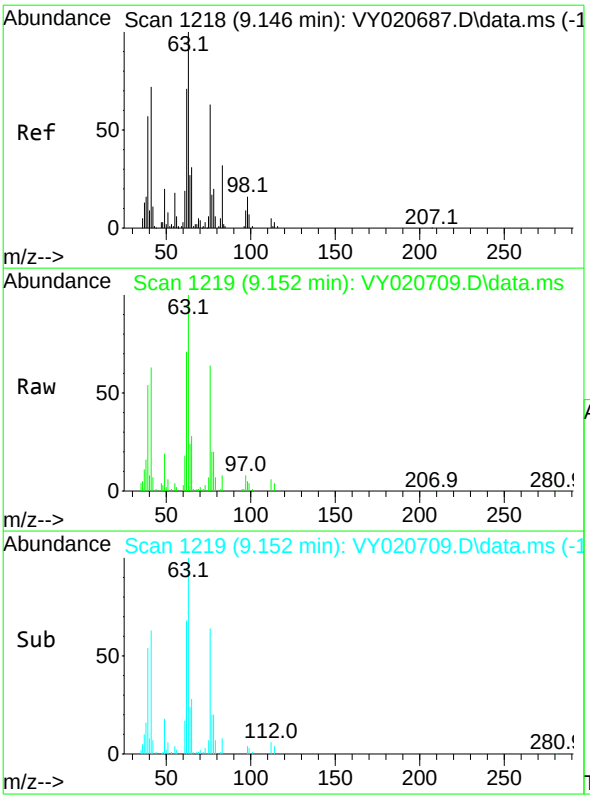


#44
Trichloroethene
Concen: 51.399 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:130 Resp: 43575

Ion	Ratio	Lower	Upper
130	100		
95	87.1	0.0	194.8

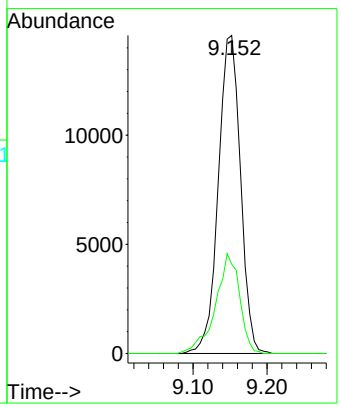




#45
1,2-Dichloropropane
Concen: 52.749 ug/l
RT: 9.152 min Scan# 12
Delta R.T. 0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 63 Resp: 30307

Ion	Ratio	Lower	Upper
63	100		
65	28.1	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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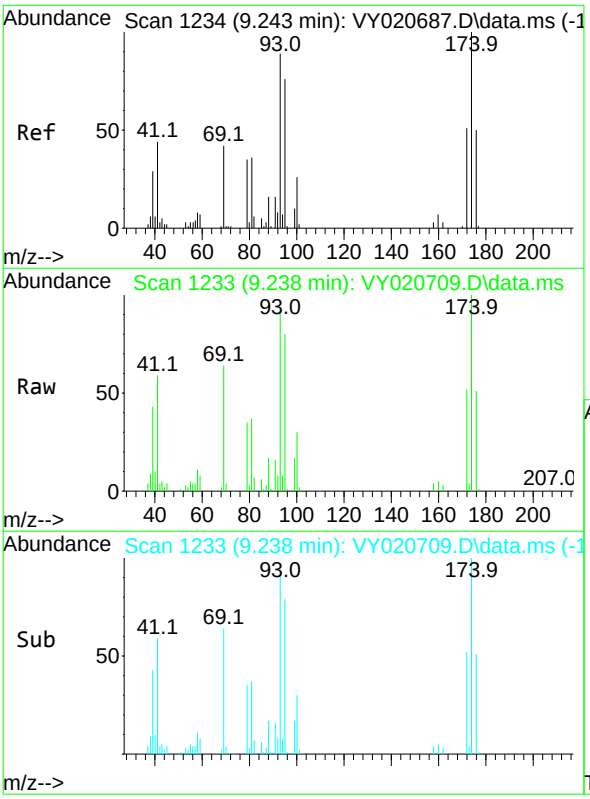
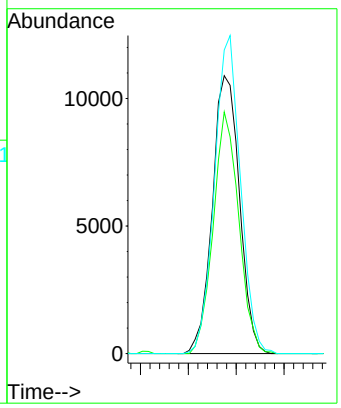
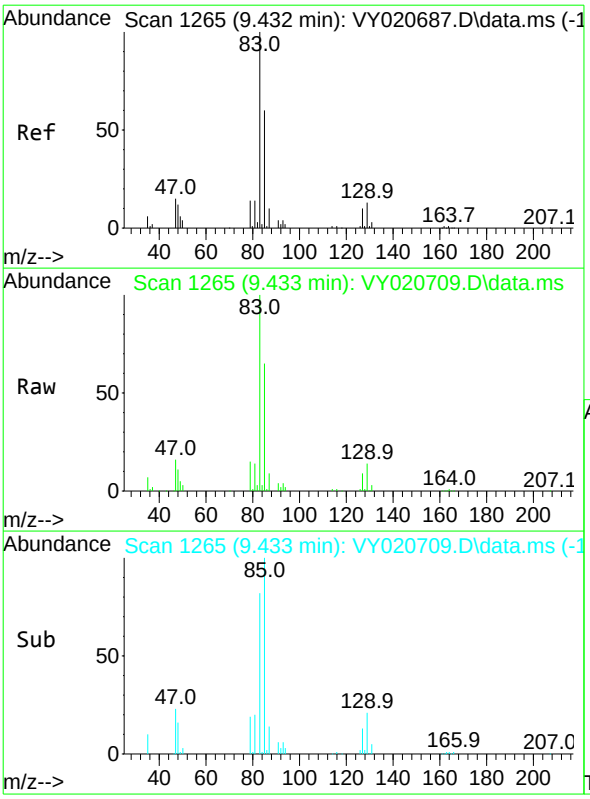


#46
Dibromomethane
Concen: 53.969 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. -0.005 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 93 Resp: 21455

Ion	Ratio	Lower	Upper
93	100		
95	81.8	67.8	101.8
174	109.4	89.4	134.0

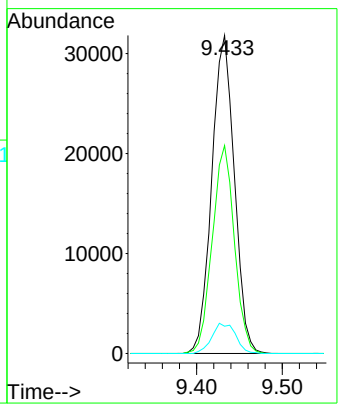




#47
Bromodichloromethane
Concen: 51.714 ug/l
RT: 9.433 min Scan# 12
Delta R.T. 0.001 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 83 Resp: 58285

Ion	Ratio	Lower	Upper
83	100		
85	65.4	47.6	71.4
127	8.6	7.9	11.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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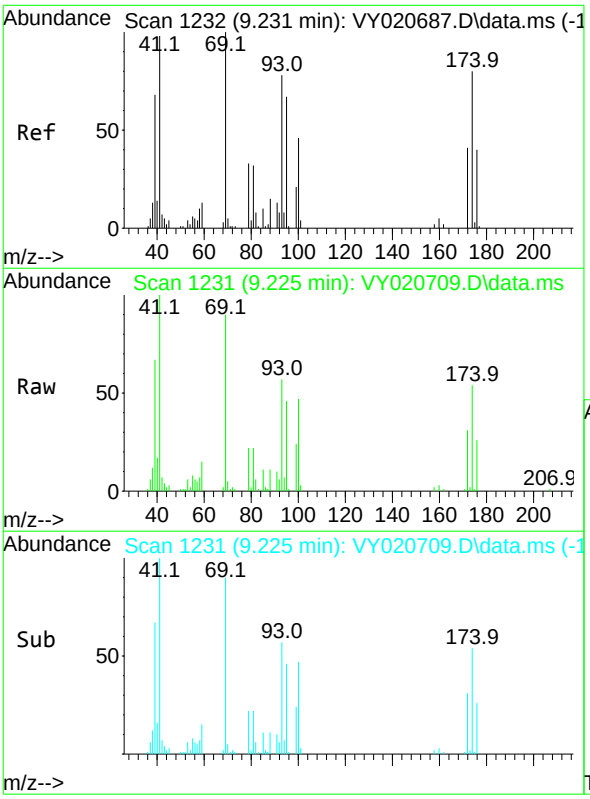
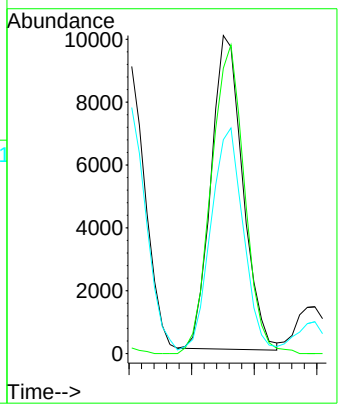
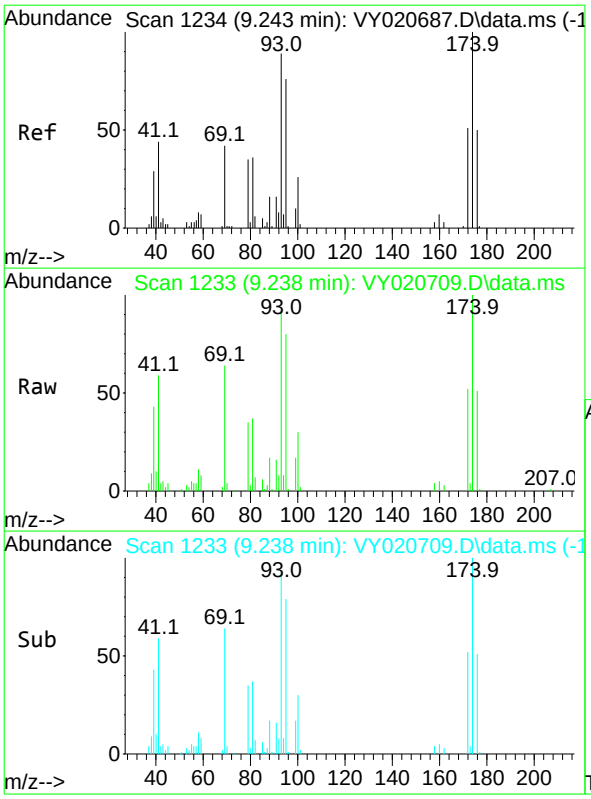


#48
Methyl methacrylate
Concen: 54.863 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 41 Resp: 17575

Ion	Ratio	Lower	Upper
41	100		
69	103.0	83.1	124.7
39	72.3	57.3	85.9

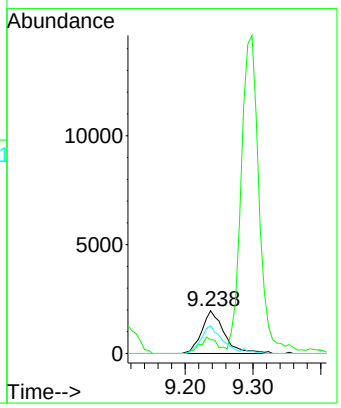




#49
1,4-Dioxane
Concen: 1194.426 ug/l
RT: 9.238 min Scan# 12
Delta R.T. -0.005 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 88 Resp: 4523

Ion	Ratio	Lower	Upper
88	100		
43	27.1	22.1	33.1
58	59.8	46.7	70.1



Instrument :
MSVOA_Y
ClientSampleId :
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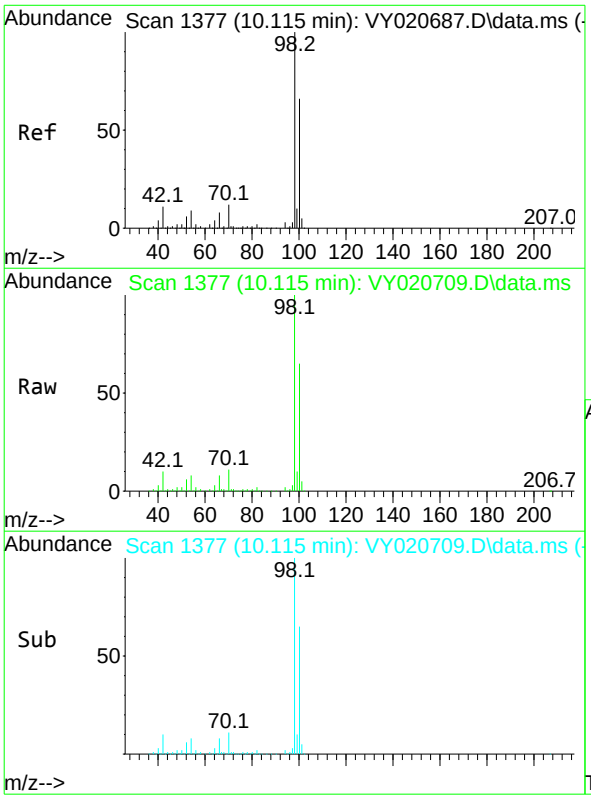
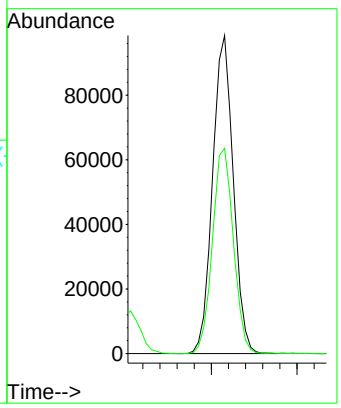
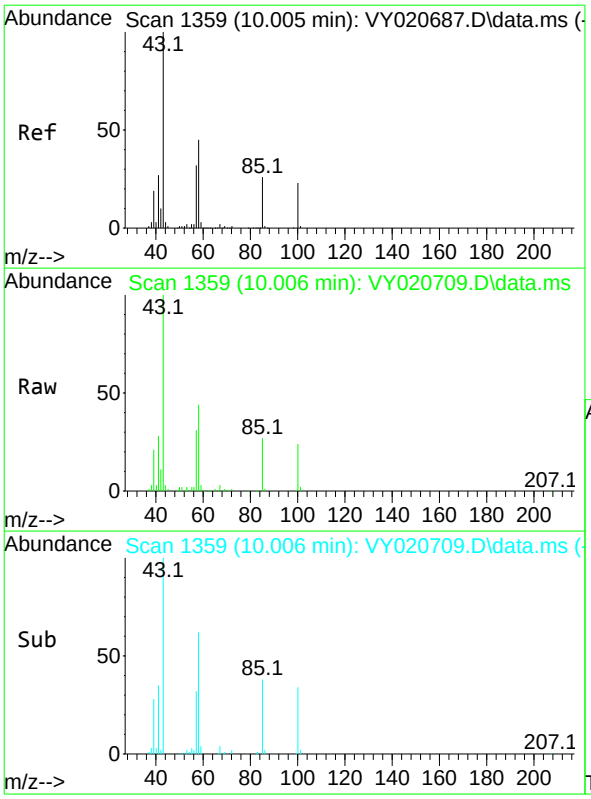


#50
Toluene-d8
Concen: 55.802 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 98 Resp: 165135

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.2	78.4

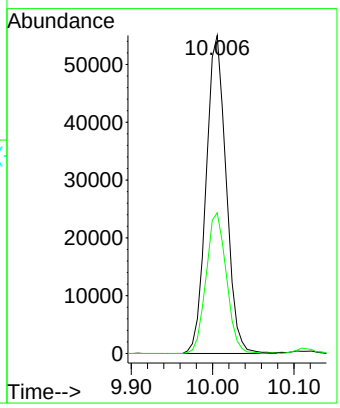




#51
4-Methyl-2-Pentanone
Concen: 283.711 ug/l
RT: 10.006 min Scan# 13
Delta R.T. 0.001 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 43 Resp: 93936

Ion	Ratio	Lower	Upper
43	100		
58	44.8	35.1	52.7



Instrument :
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ClientSampleId :
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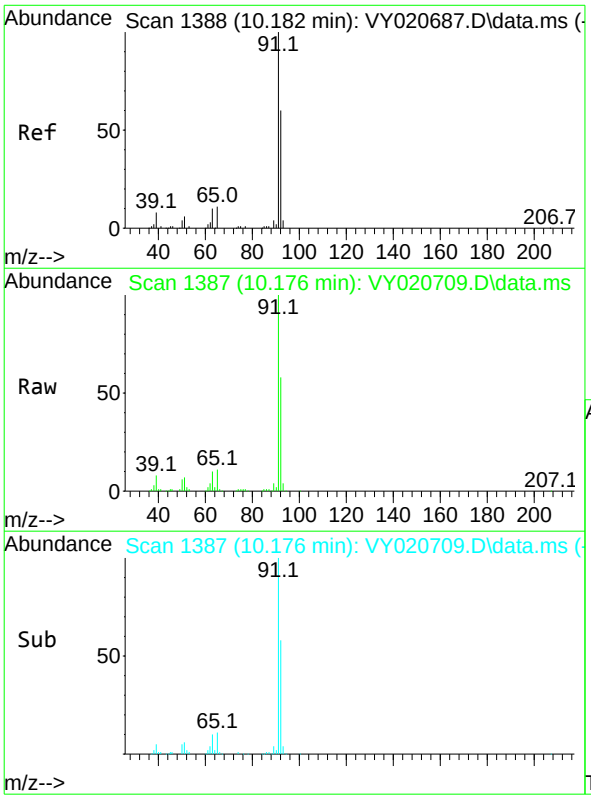
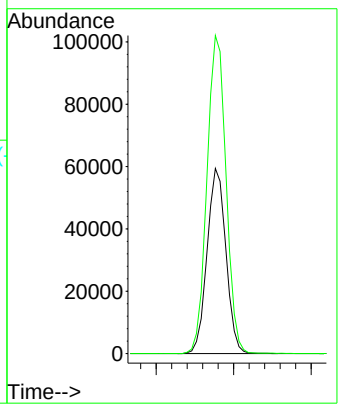
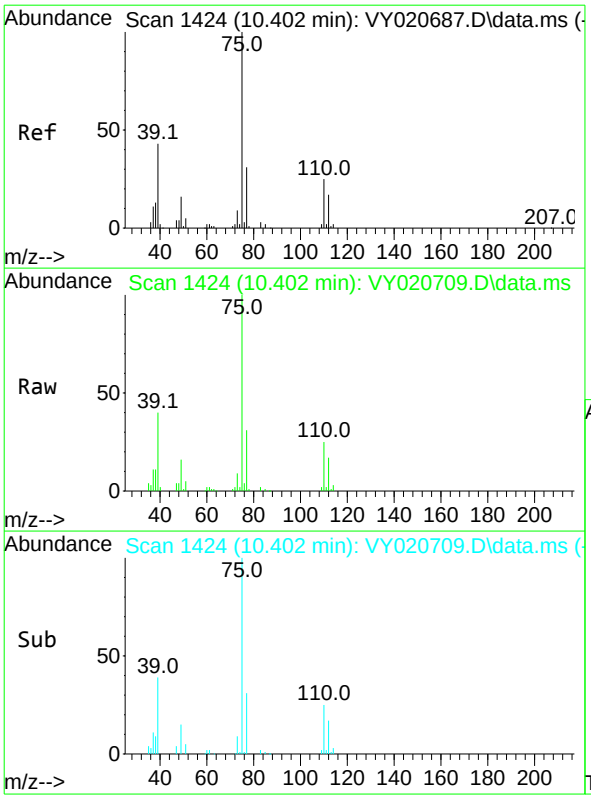


#52
Toluene
Concen: 51.531 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 92 Resp: 100248

Ion	Ratio	Lower	Upper
92	100		
91	174.4	137.7	206.5

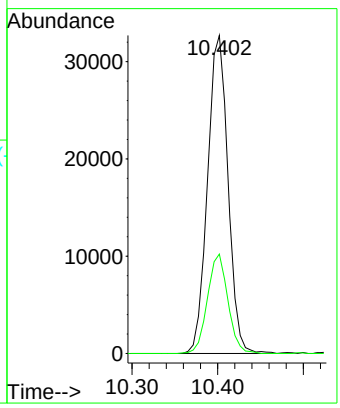




#53
t-1,3-Dichloropropene
Concen: 54.774 ug/l
RT: 10.402 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 75 Resp: 54221

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7



Instrument :
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ClientSampleId :
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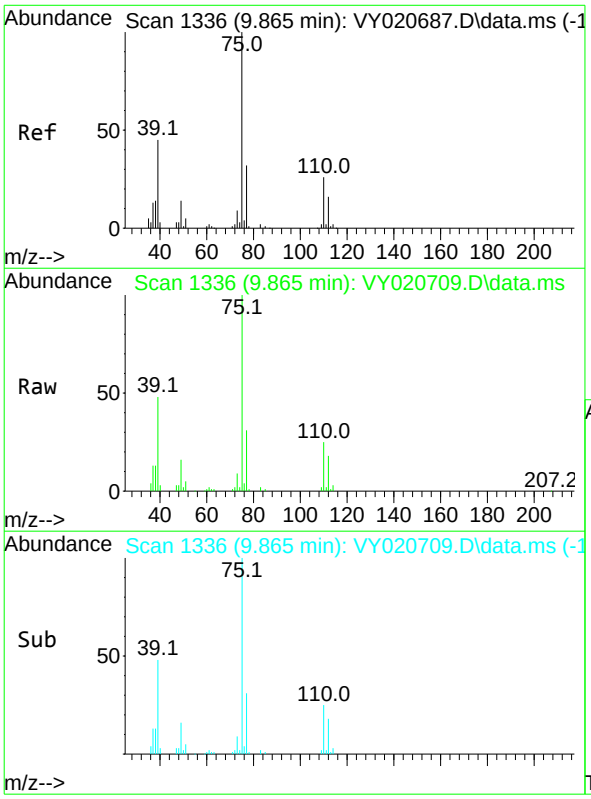
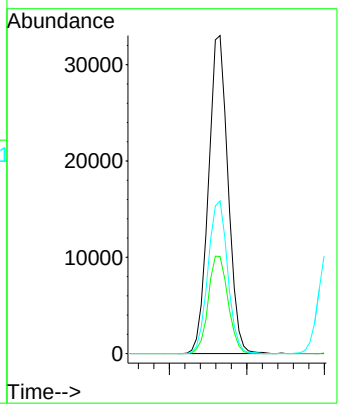
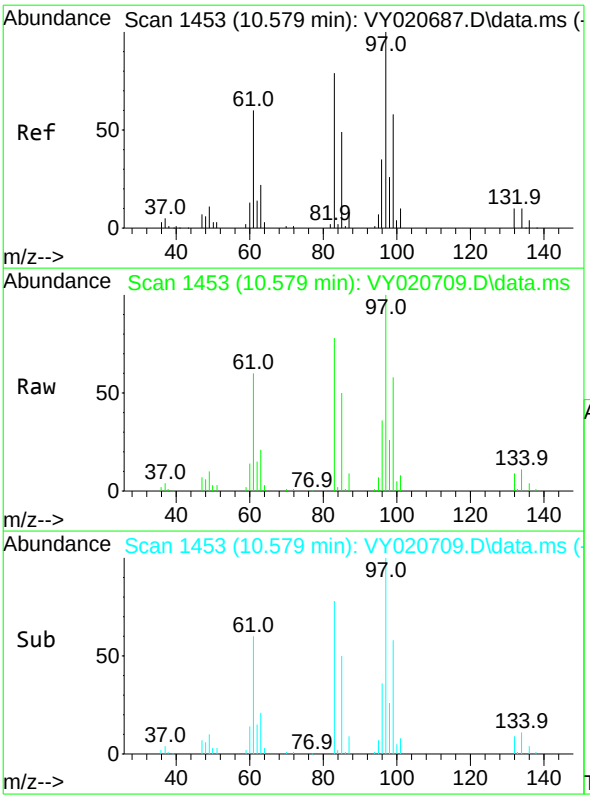


#54
cis-1,3-Dichloropropene
Concen: 53.316 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 75 Resp: 57850

Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.6	38.4
39	48.0	36.2	54.2

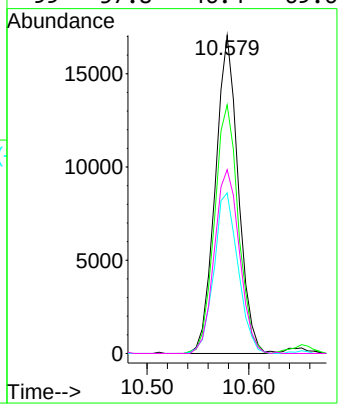




#55
1,1,2-Trichloroethane
Concen: 52.828 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 97 Resp: 26808

Ion	Ratio	Lower	Upper
97	100		
83	78.2	63.1	94.7
85	50.5	39.5	59.3
99	57.8	46.4	69.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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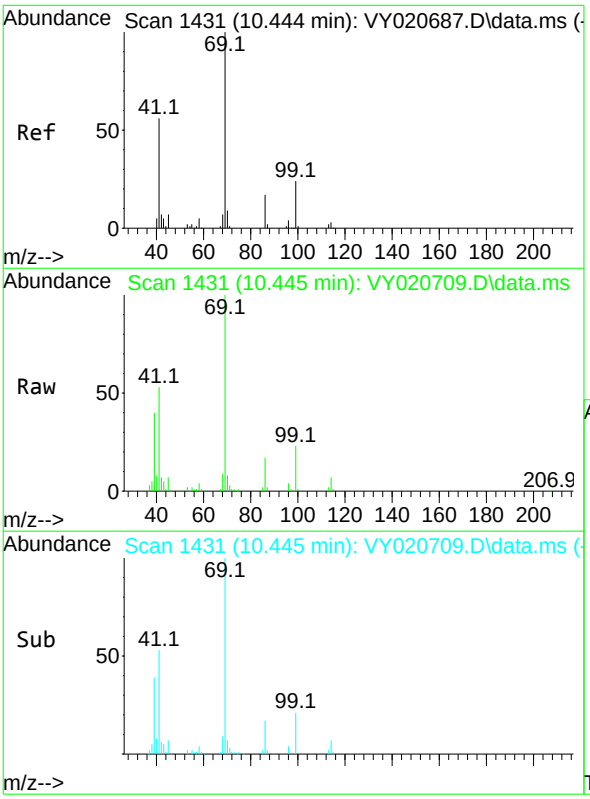
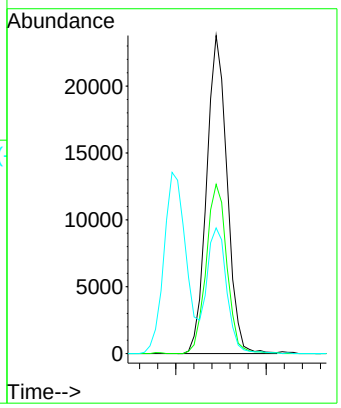
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

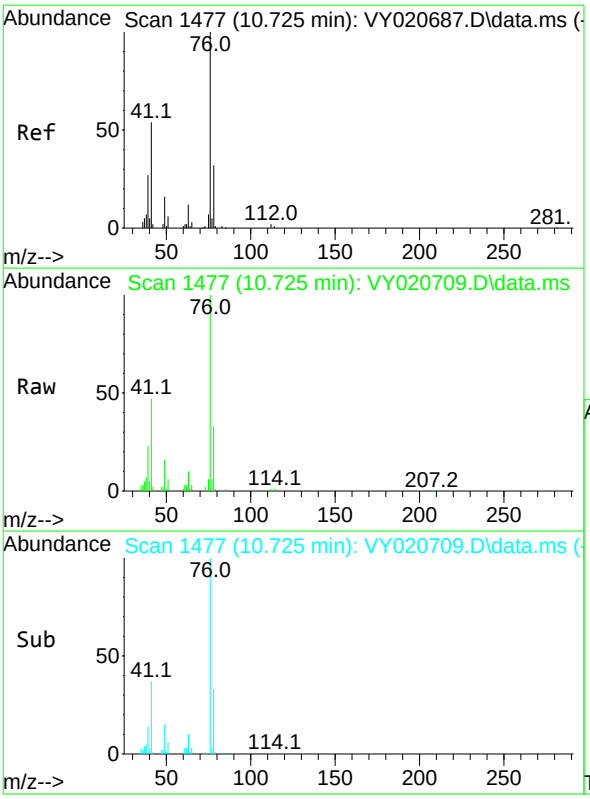


#56
Ethyl methacrylate
Concen: 56.020 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.001 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 69 Resp: 37346

Ion	Ratio	Lower	Upper
69	100		
41	54.0	43.8	65.6
39	37.9	32.0	48.0

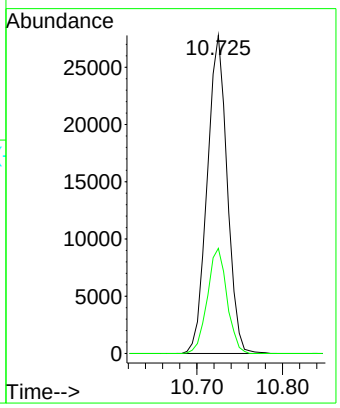




#57
1,3-Dichloropropane
Concen: 54.576 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 76 Resp: 44949

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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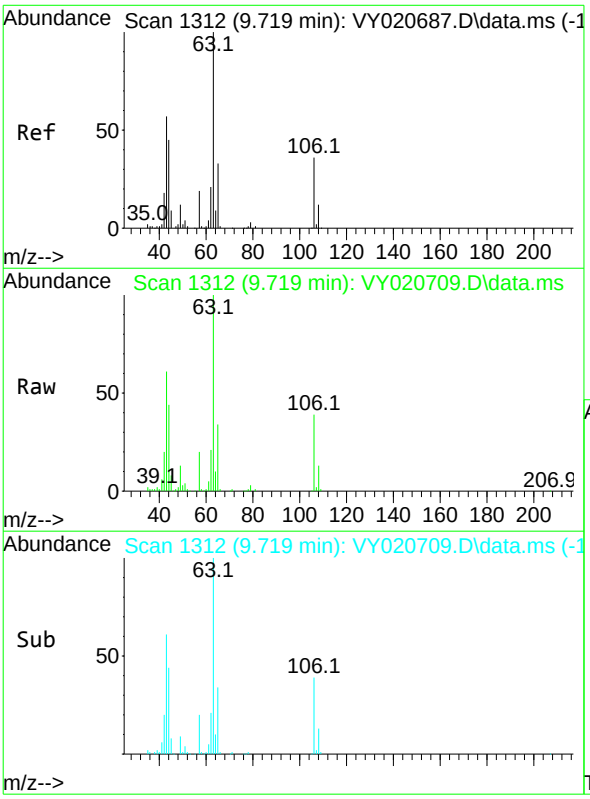
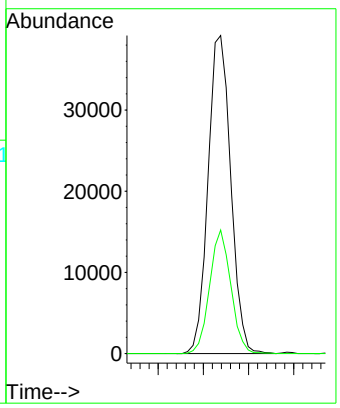
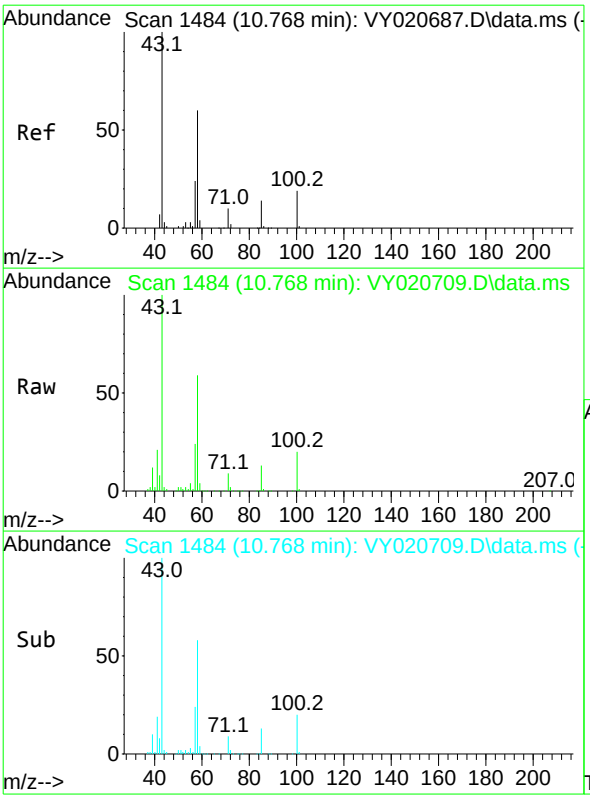


#58
2-Chloroethyl Vinyl ether
Concen: 294.122 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 63 Resp: 68375

Ion	Ratio	Lower	Upper
63	100		
106	36.3	29.1	43.7





#59
2-Hexanone
Concen: 295.048 ug/l
RT: 10.768 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 43 Resp: 64500

Ion	Ratio	Lower	Upper
43	100		
58	58.8	30.1	90.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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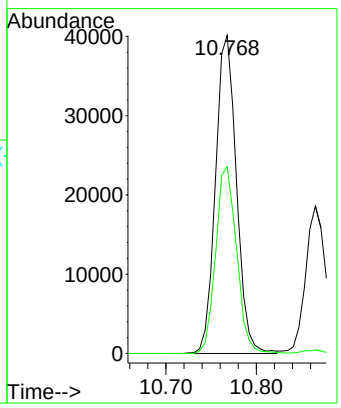
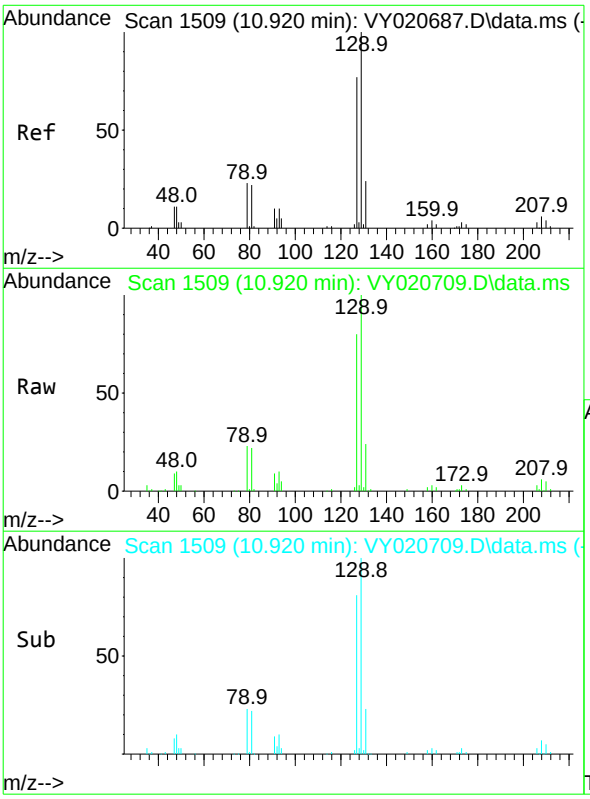
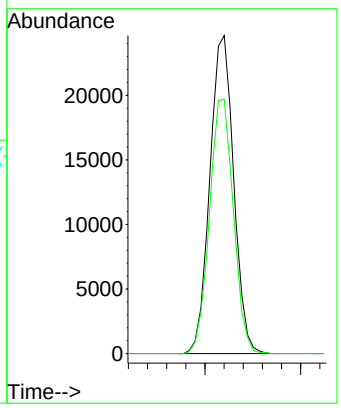


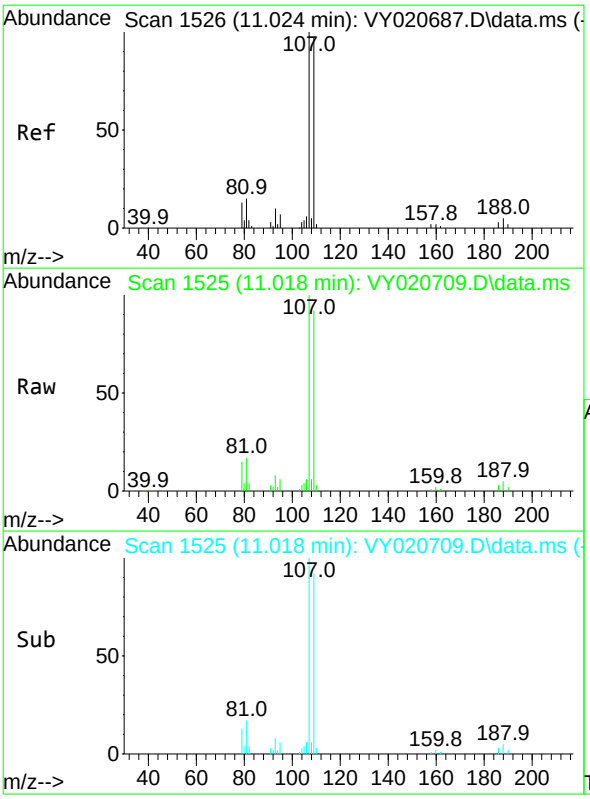


#60
Dibromochloromethane
Concen: 51.869 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:129 Resp: 42531

Ion	Ratio	Lower	Upper
129	100		
127	80.7	38.5	115.5





#61
1,2-Dibromoethane
Concen: 53.744 ug/l
RT: 11.018 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:107 Resp: 25662

Ion	Ratio	Lower	Upper
107	100		
109	96.2	75.5	113.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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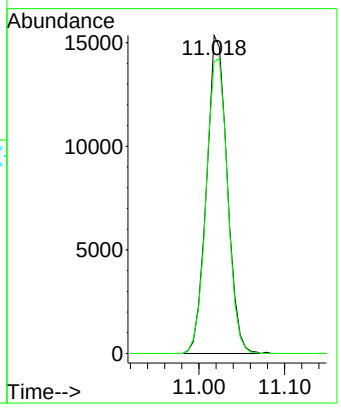
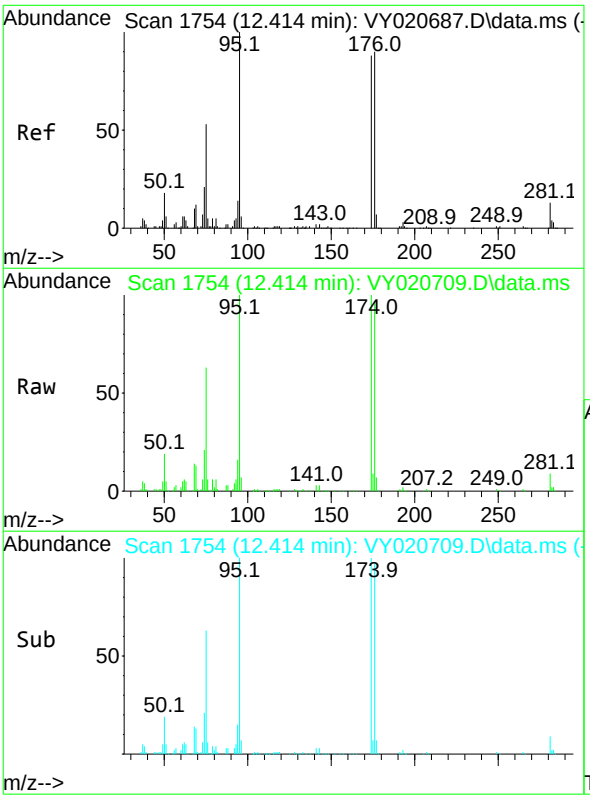
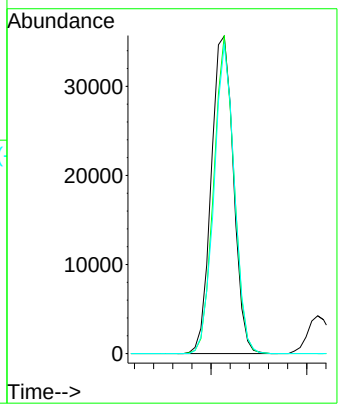


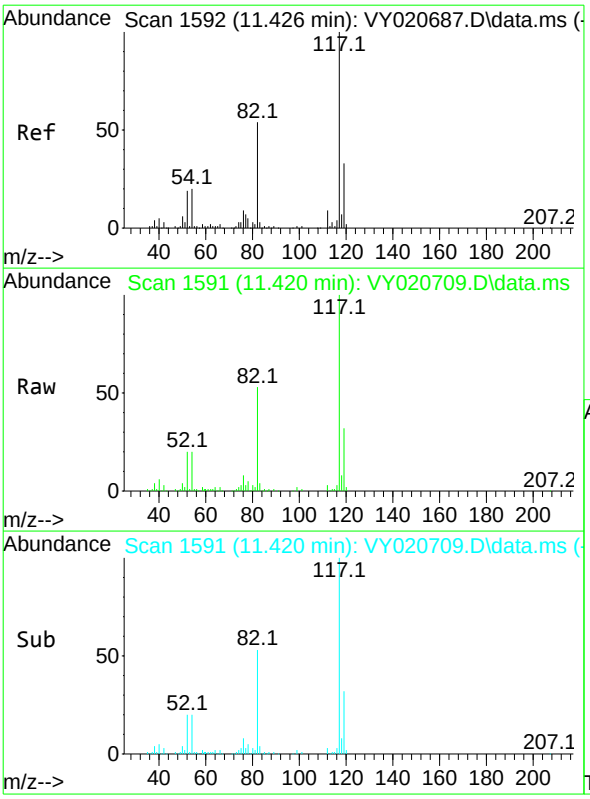


#62
4-Bromofluorobenzene
Concen: 58.248 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 95 Resp: 57393

Ion	Ratio	Lower	Upper
95	100		
174	91.3	0.0	179.2
176	89.6	0.0	179.8

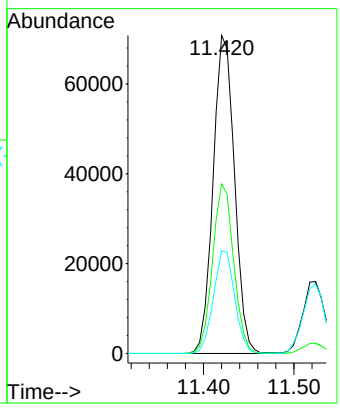




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:117 Resp: 116249

Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.4	65.2
119	32.3	26.6	39.8



Instrument :
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ClientSampleId :
VSTDICCC050

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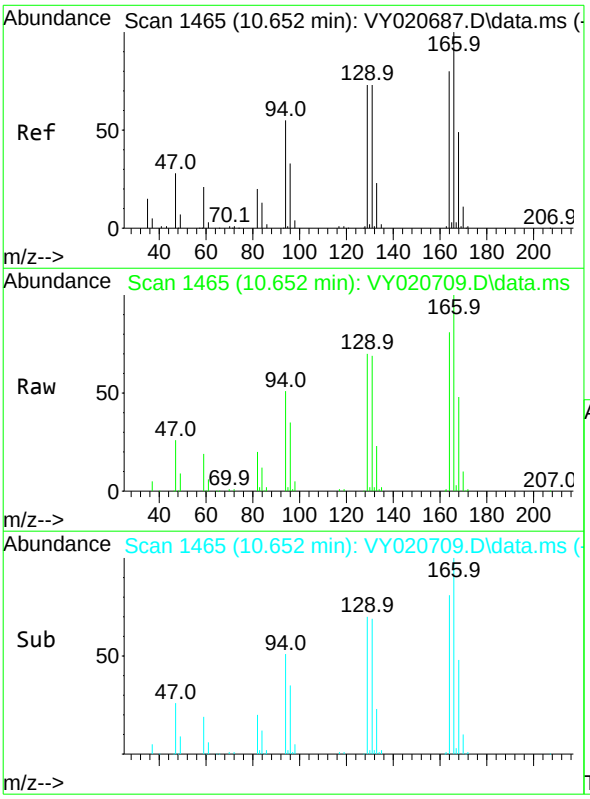
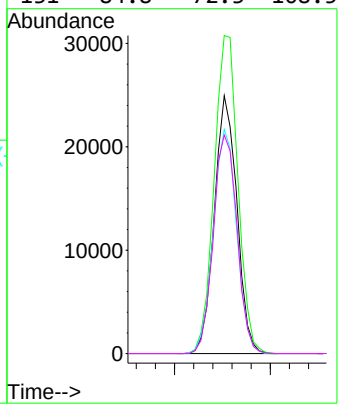
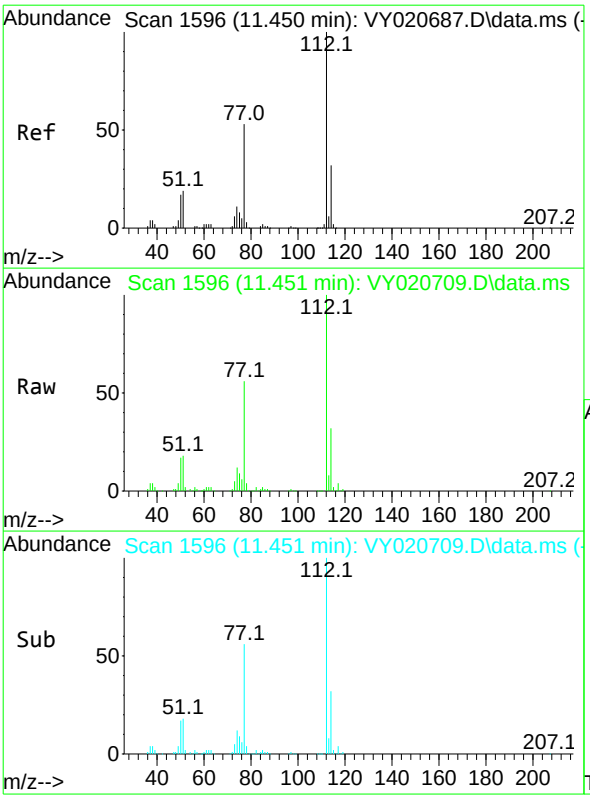


#64
Tetrachloroethene
Concen: 51.414 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:164 Resp: 40834

Ion	Ratio	Lower	Upper
164	100		
166	123.3	99.6	149.4
129	86.9	73.0	109.4
131	84.8	72.3	108.5

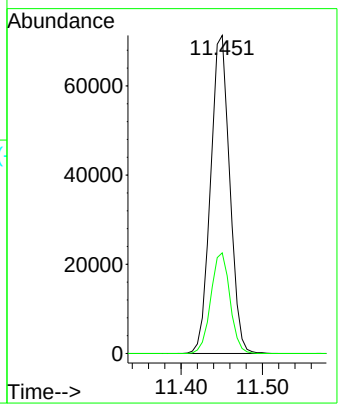




#65
Chlorobenzene
Concen: 51.151 ug/l
RT: 11.451 min Scan# 15
Delta R.T. 0.001 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:112 Resp: 116432

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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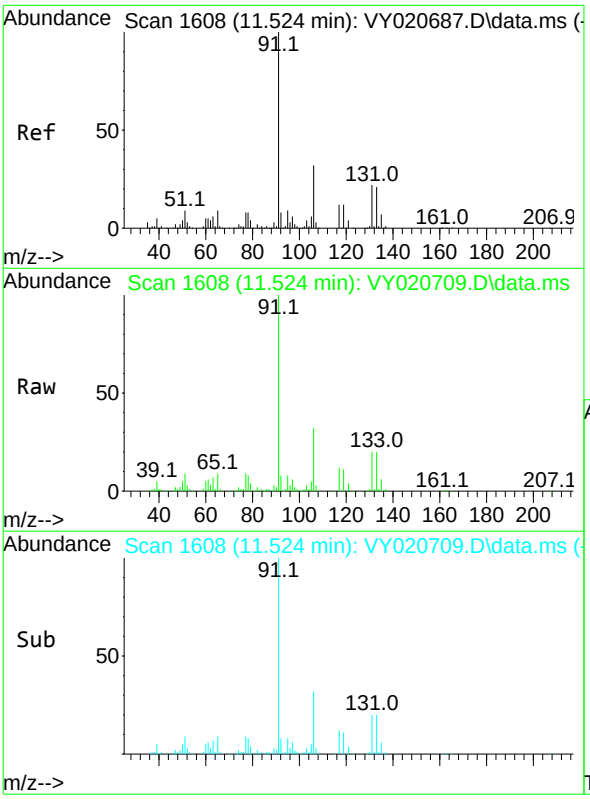
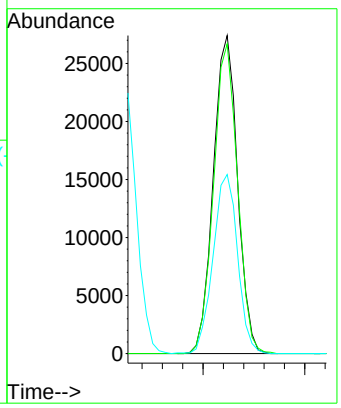
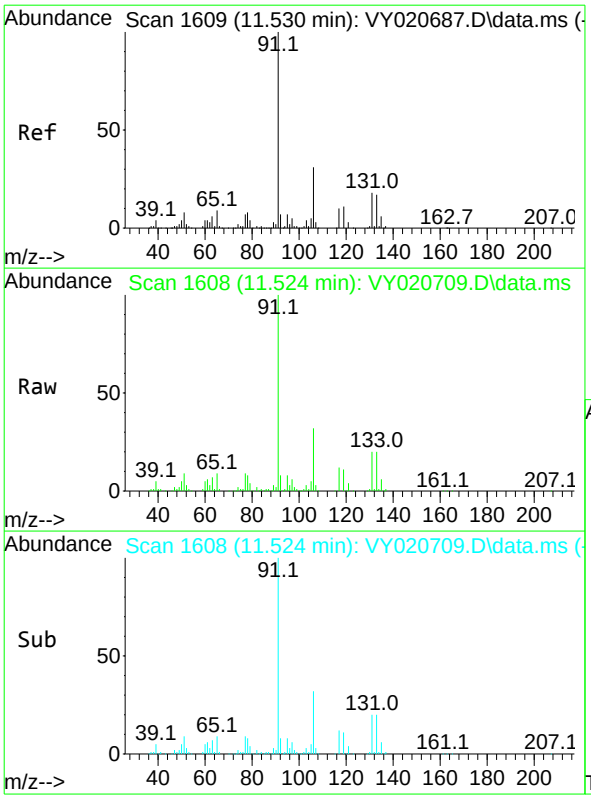


#66
1,1,1,2-Tetrachloroethane
Concen: 51.360 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:131 Resp: 45293

Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.6	145.9
119	57.1	28.4	85.3

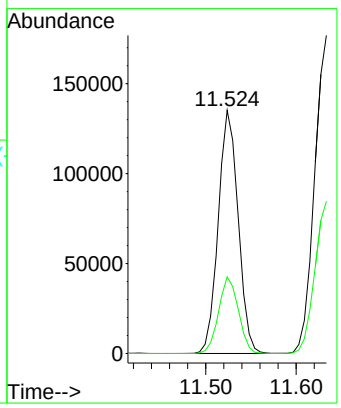




#67
Ethyl Benzene
Concen: 51.942 ug/l
RT: 11.524 min Scan# 16
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 91 Resp: 206644

Ion	Ratio	Lower	Upper
91	100		
106	31.5	24.5	36.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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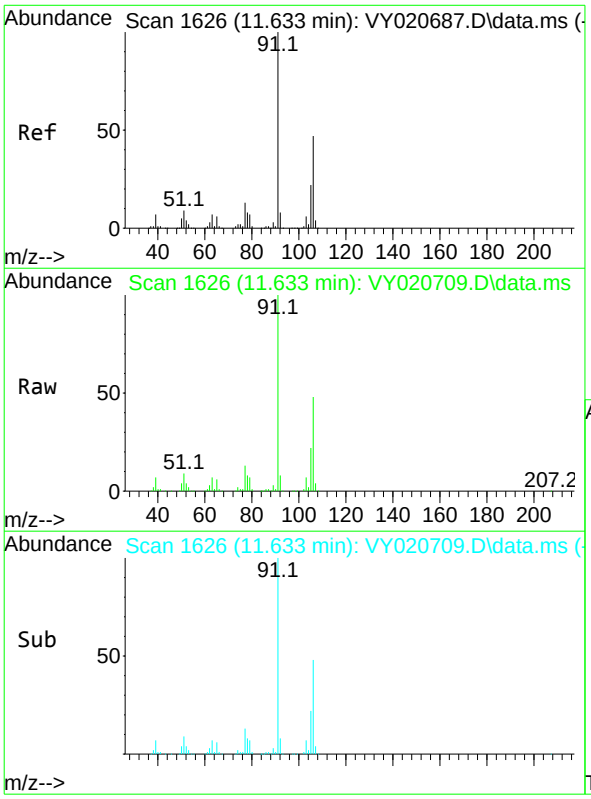
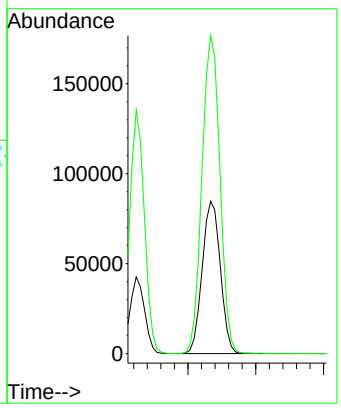
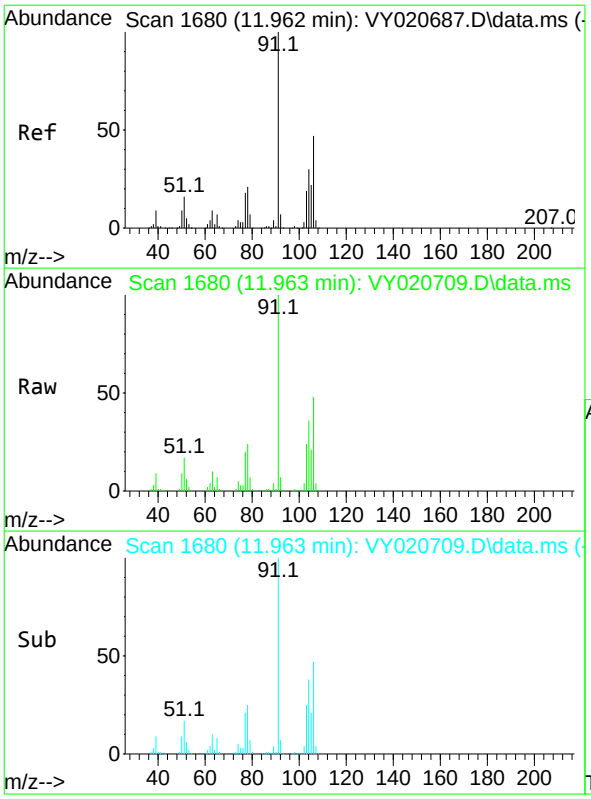


#68
m/p-Xylenes
Concen: 103.449 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:106 Resp: 156992

Ion	Ratio	Lower	Upper
106	100		
91	206.9	166.6	250.0

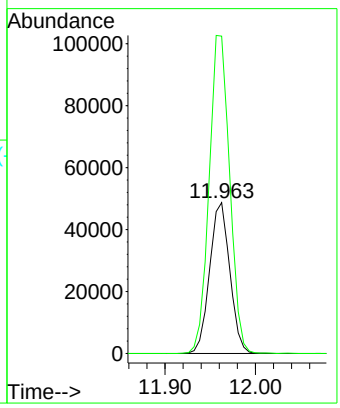




#69
o-Xylene
Concen: 52.115 ug/l
RT: 11.963 min Scan# 16
Delta R.T. 0.001 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:106 Resp: 75564

Ion	Ratio	Lower	Upper
106	100		
91	214.9	108.6	325.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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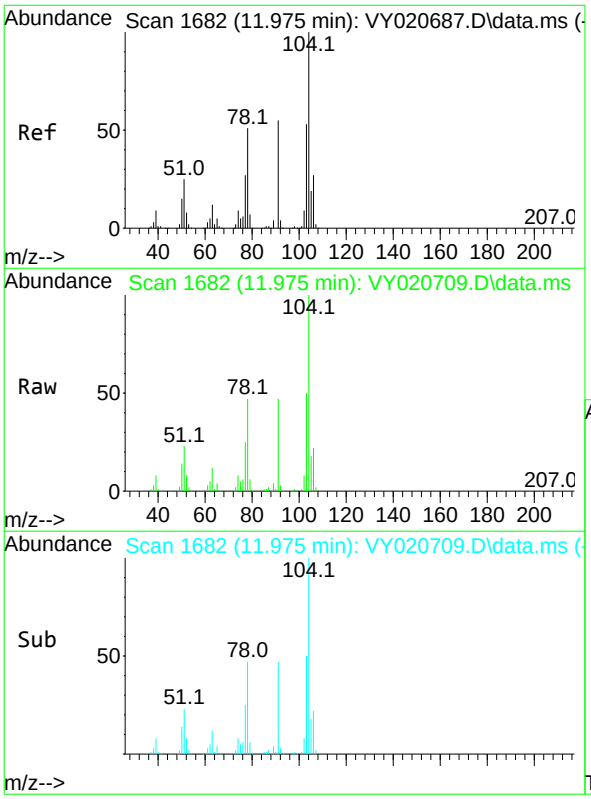
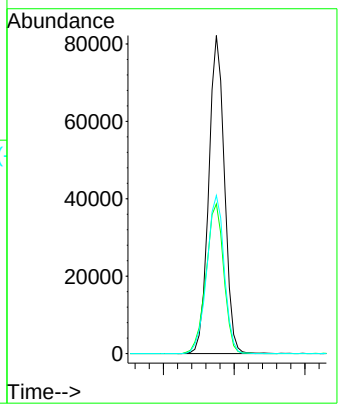
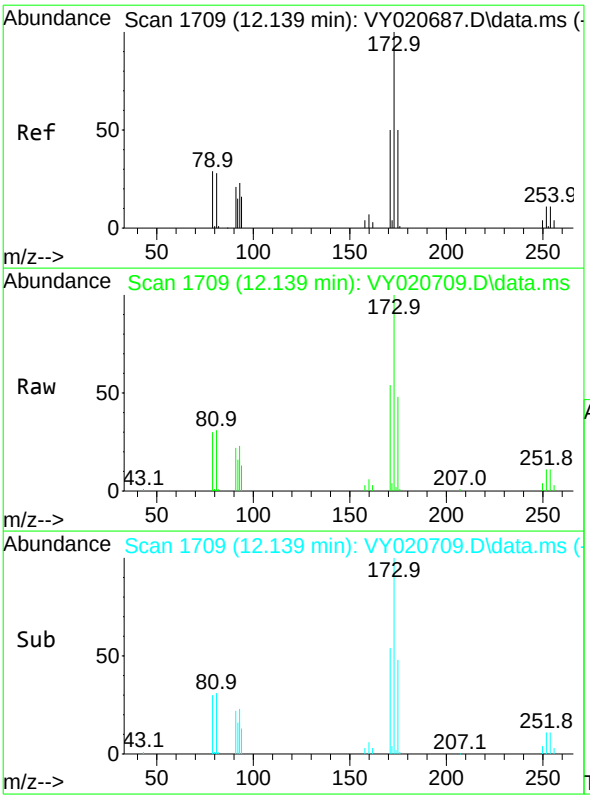


#70
Styrene
Concen: 52.061 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:104 Resp: 126718

Ion	Ratio	Lower	Upper
104	100		
78	53.0	43.0	64.4
103	55.0	44.4	66.6

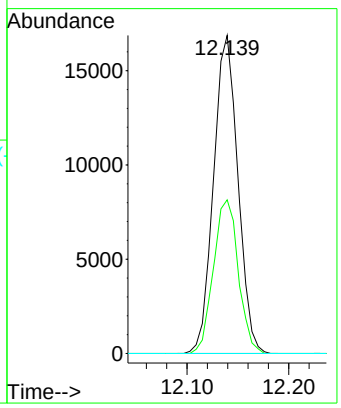




#71
Bromoform
Concen: 55.357 ug/l
RT: 12.139 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:173 Resp: 28066

Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.2	72.6
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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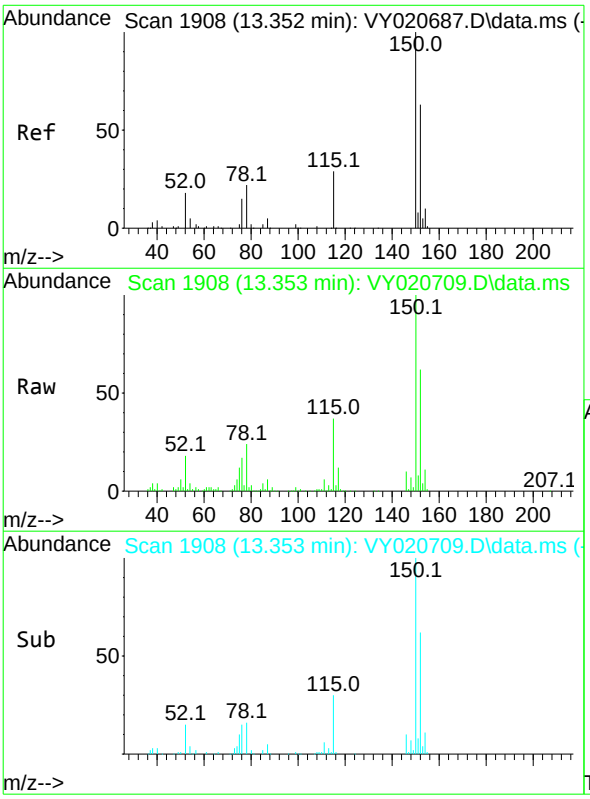
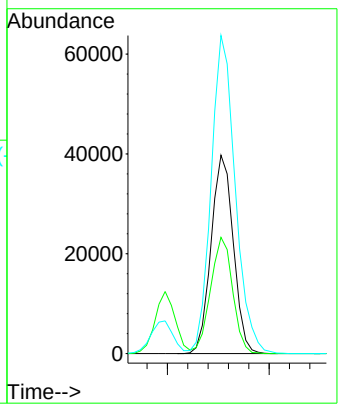
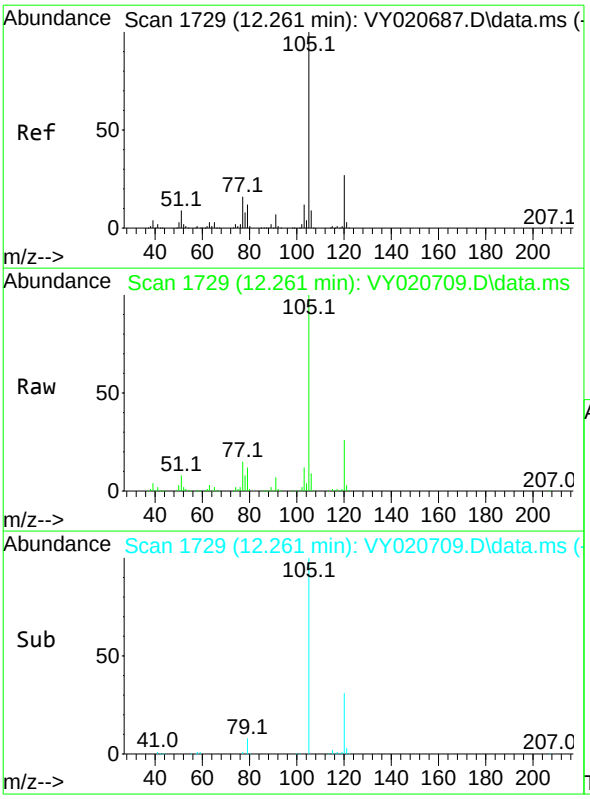


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.001 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:152 Resp: 60351

Ion	Ratio	Lower	Upper
152	100		
115	58.1	30.3	90.9
150	174.0	0.0	349.0

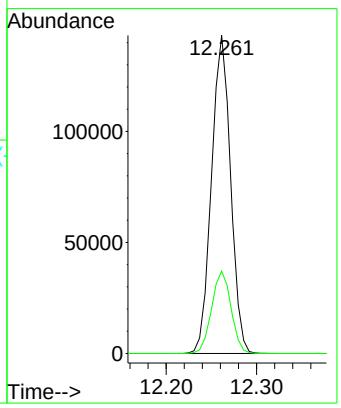




#73
Isopropylbenzene
Concen: 50.166 ug/l
RT: 12.261 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:105 Resp: 209755

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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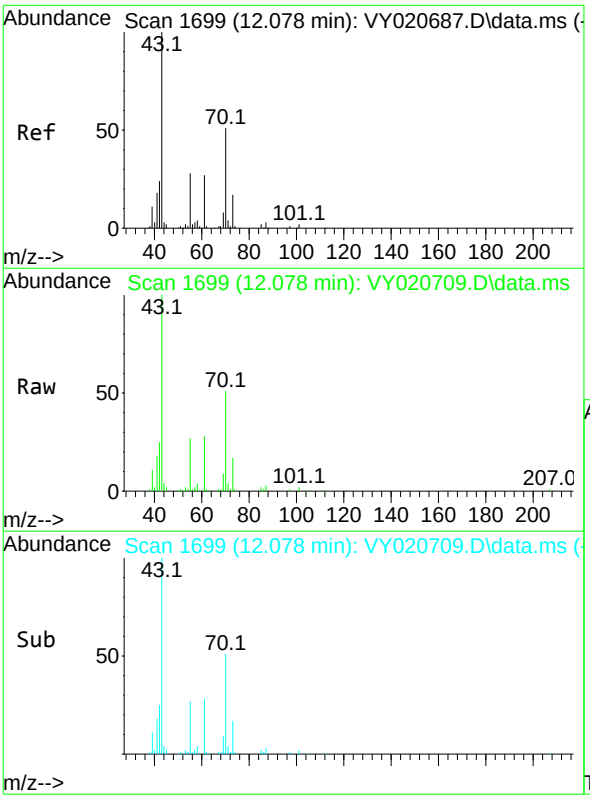
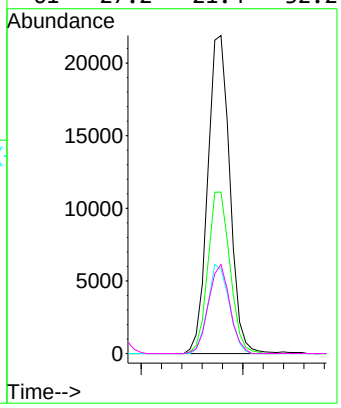
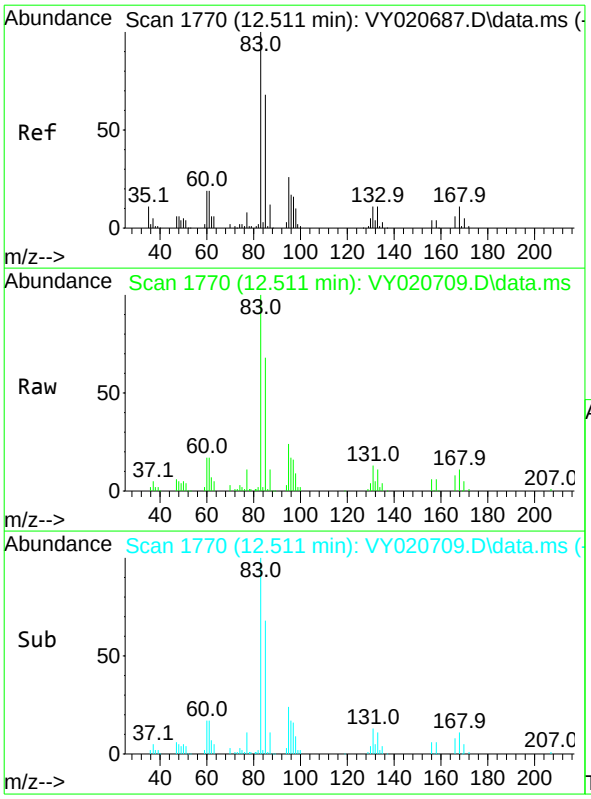


#74
N-amyl acetate
Concen: 55.579 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 43 Resp: 33024

Ion	Ratio	Lower	Upper
43	100		
70	50.7	39.7	59.5
55	27.1	21.5	32.3
61	27.2	21.4	32.2

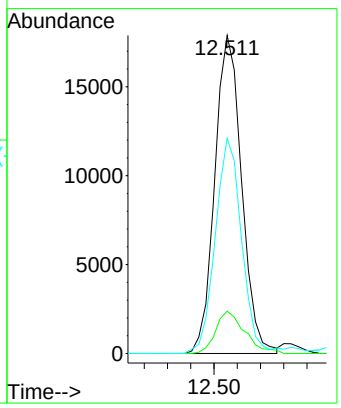




#75
1,1,2,2-Tetrachloroethane
Concen: 53.553 ug/l
RT: 12.511 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 83 Resp: 28705

Ion	Ratio	Lower	Upper
83	100		
131	14.4	6.9	20.7
85	66.5	32.5	97.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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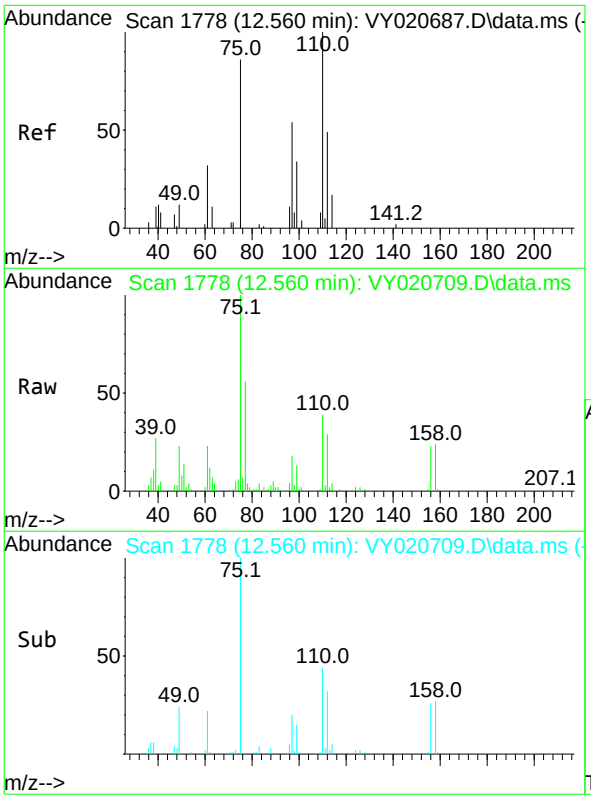
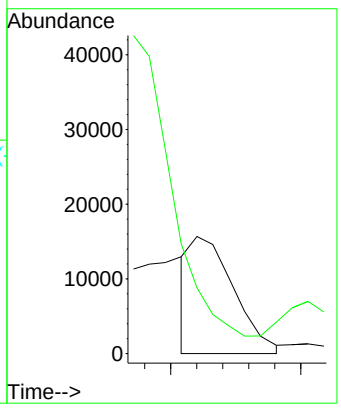
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

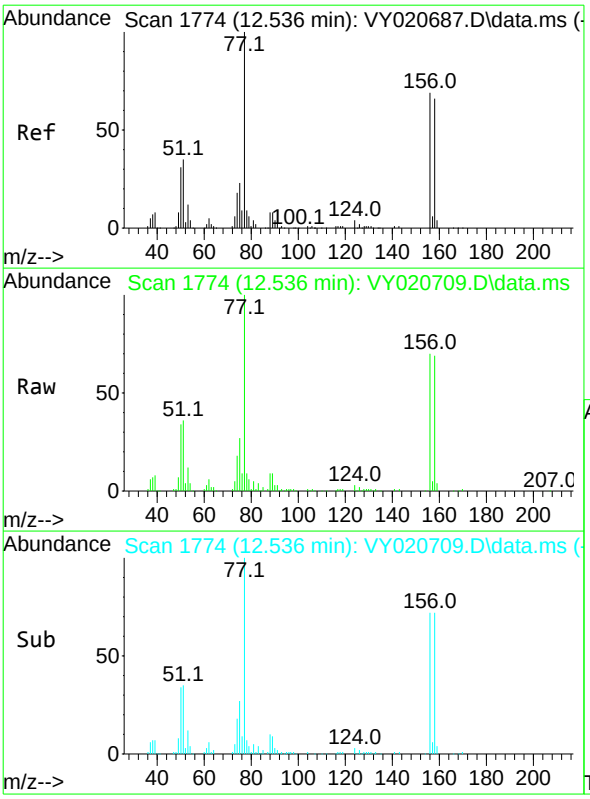


#76
1,2,3-Trichloropropane
Concen: 38.088 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 75 Resp: 18132

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 51.155 ug/l
RT: 12.536 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:156 Resp: 49237

Ion	Ratio	Lower	Upper
156	100		
77	153.5	78.3	235.0
158	98.2	48.3	144.9

Instrument :
MSVOA_Y
ClientSampleId :
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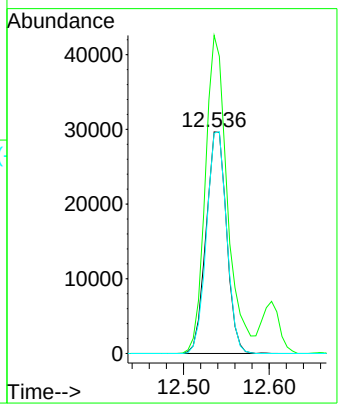
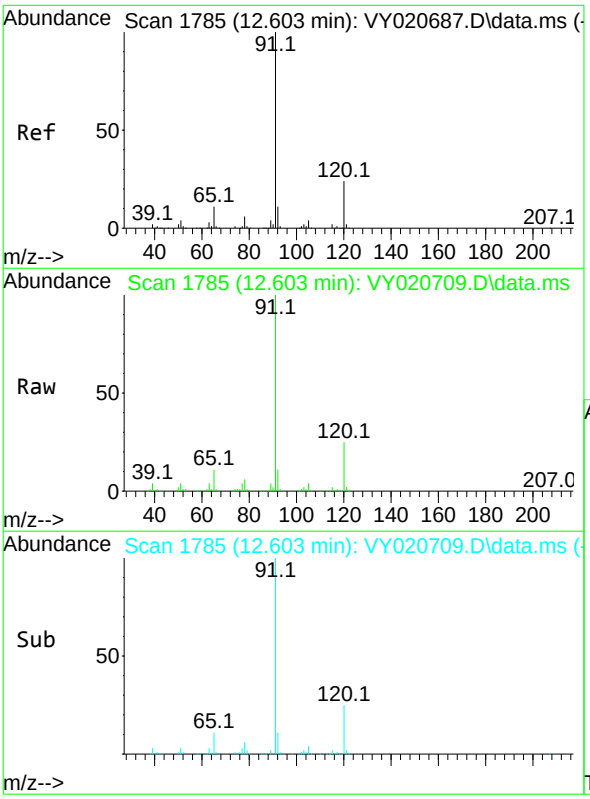
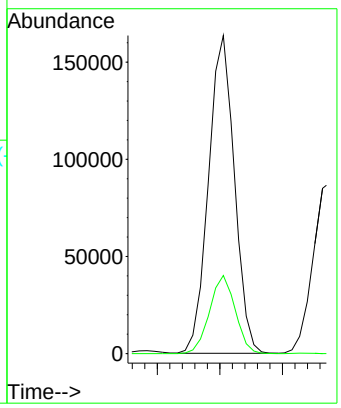


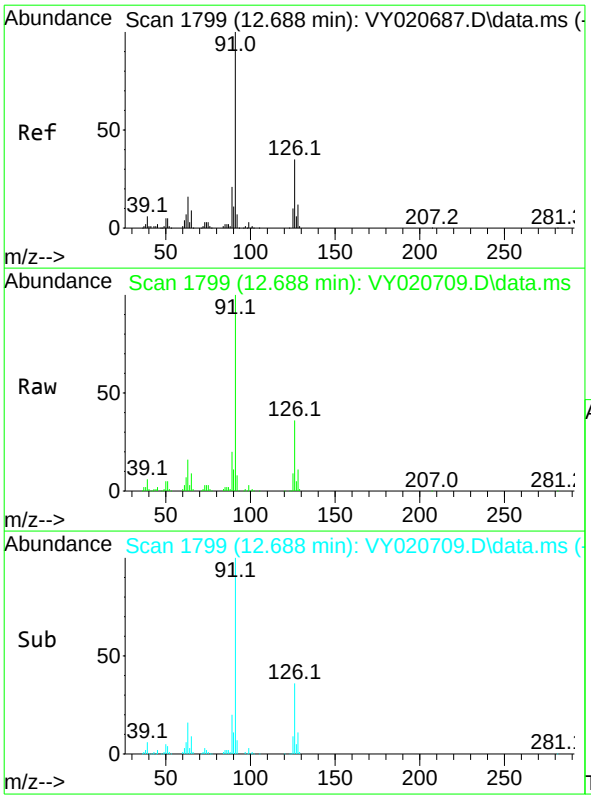


#78
n-propylbenzene
Concen: 50.173 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 91 Resp: 235128

Ion	Ratio	Lower	Upper
91	100		
120	24.3	12.3	36.8





#79
2-Chlorotoluene
Concen: 51.012 ug/l
RT: 12.688 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 91 Resp: 136280

Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.8	53.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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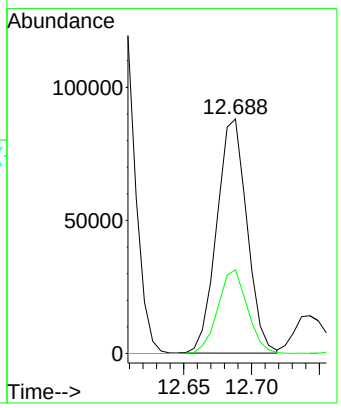
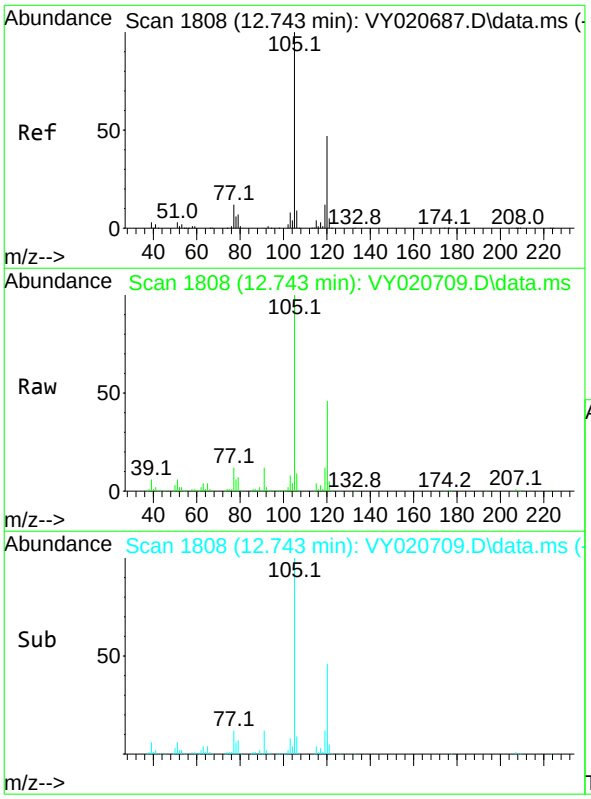
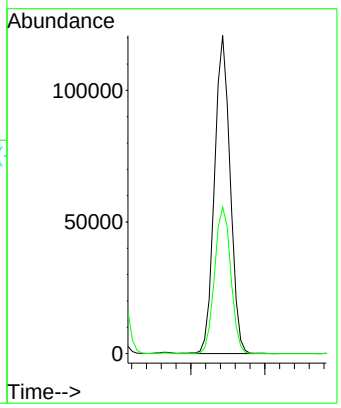


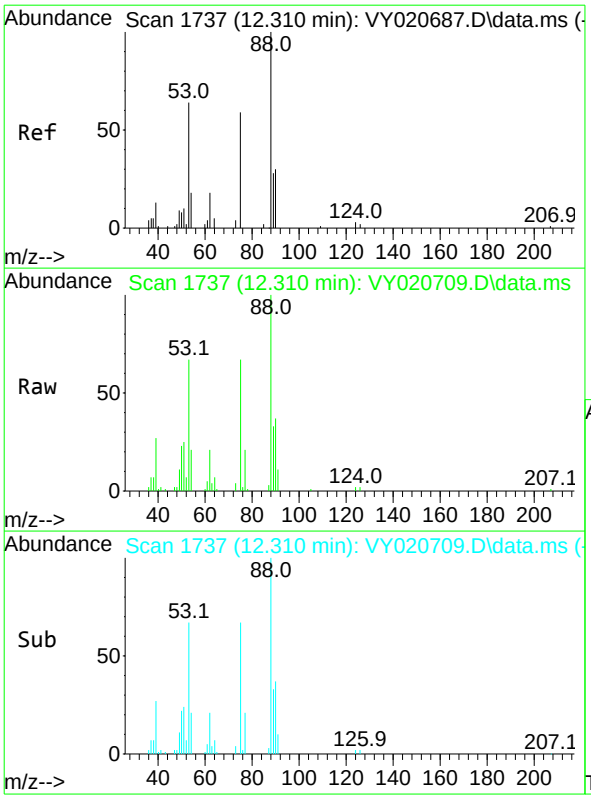


#80
1,3,5-Trimethylbenzene
Concen: 51.057 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:105 Resp: 177863

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 54.534 ug/l
RT: 12.310 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 75 Resp: 10590

Ion	Ratio	Lower	Upper
75	100		
53	103.8	83.1	124.7
89	54.6	40.6	61.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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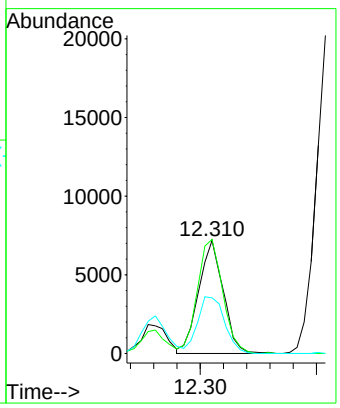
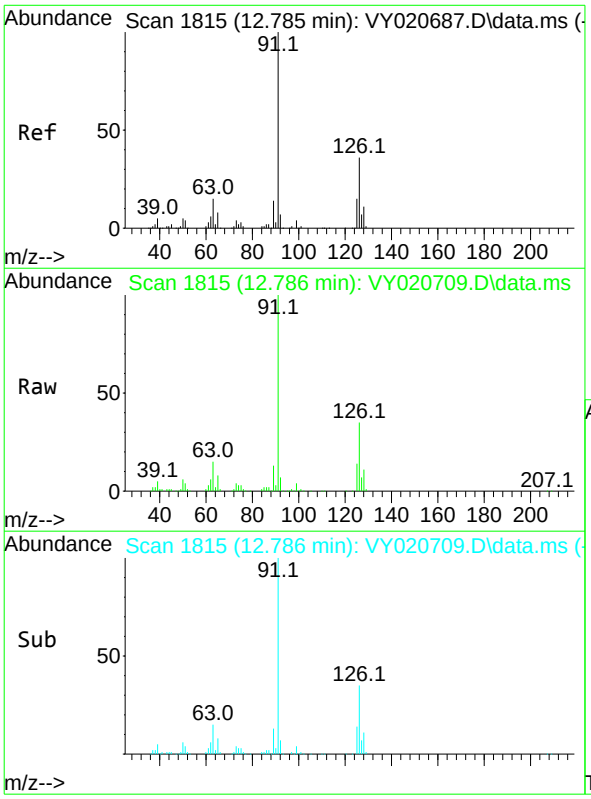
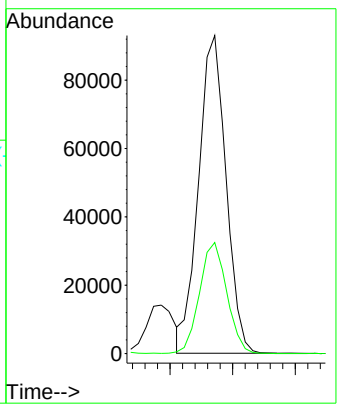


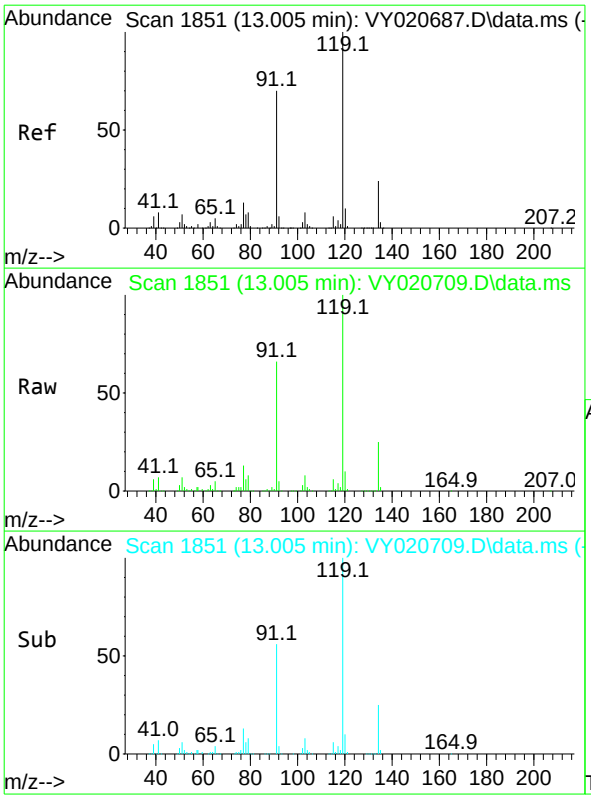


#82
4-Chlorotoluene
Concen: 51.241 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.001 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 91 Resp: 141476

Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.8	53.5

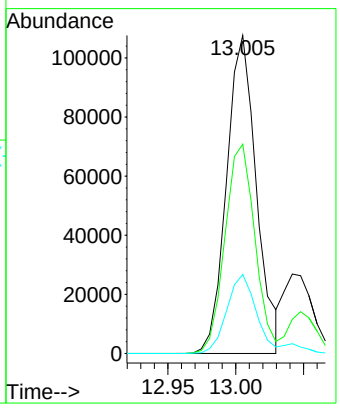




#83
tert-Butylbenzene
Concen: 50.596 ug/l
RT: 13.005 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:119 Resp: 164603

Ion	Ratio	Lower	Upper
119	100		
91	66.1	33.6	100.8
134	26.6	13.4	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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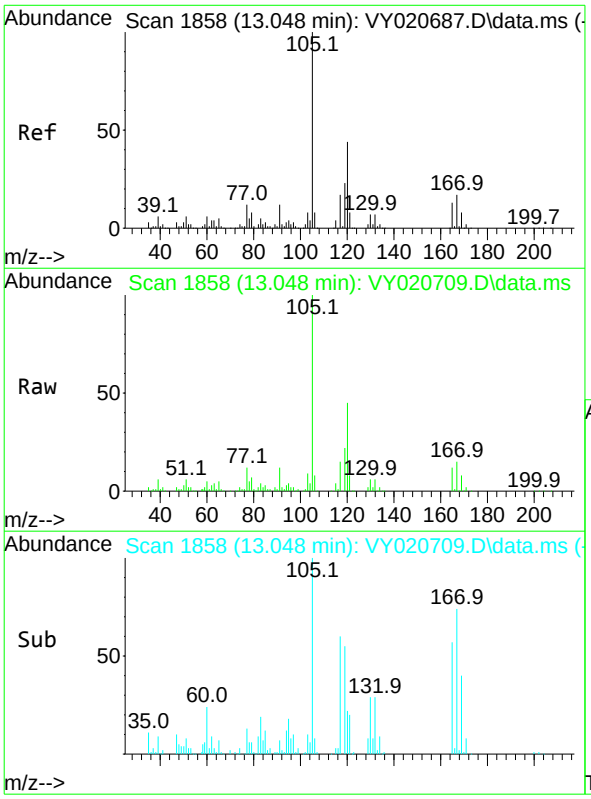
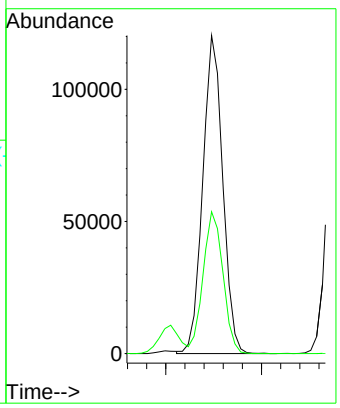
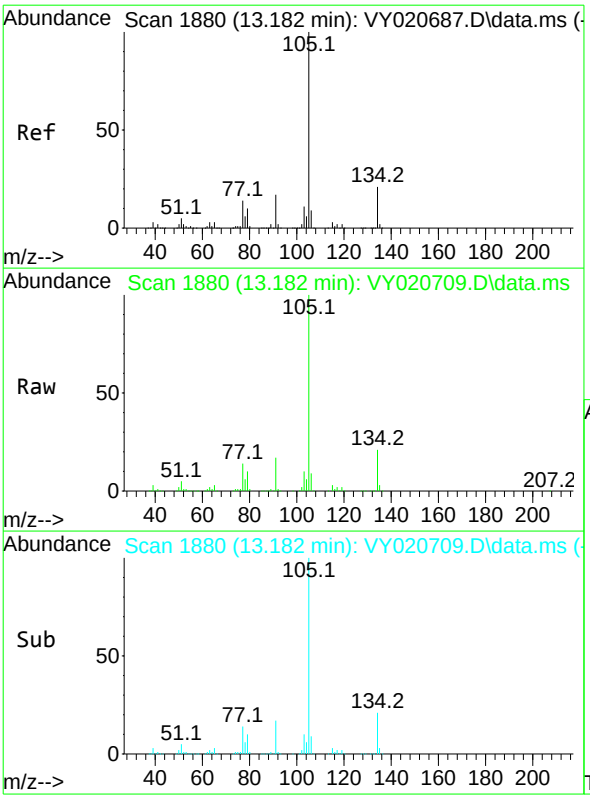


#84
1,2,4-Trimethylbenzene
Concen: 51.423 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:105 Resp: 174321

Ion	Ratio	Lower	Upper
105	100		
120	44.4	21.8	65.3

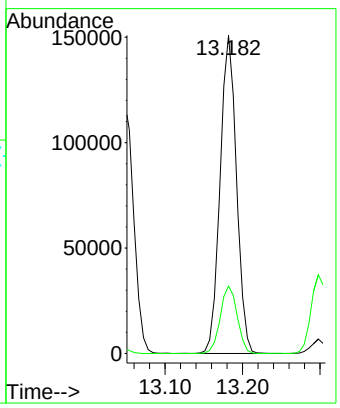




#85
sec-Butylbenzene
Concen: 50.603 ug/l
RT: 13.182 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:105 Resp: 221870

Ion	Ratio	Lower	Upper
105	100		
134	21.8	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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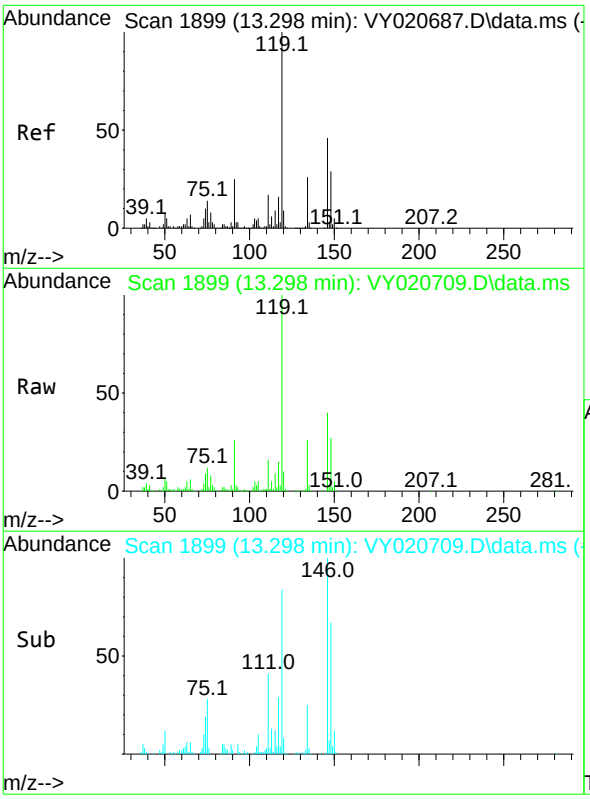
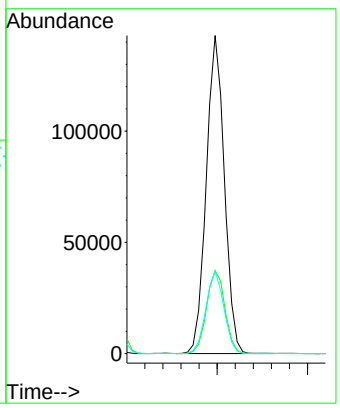
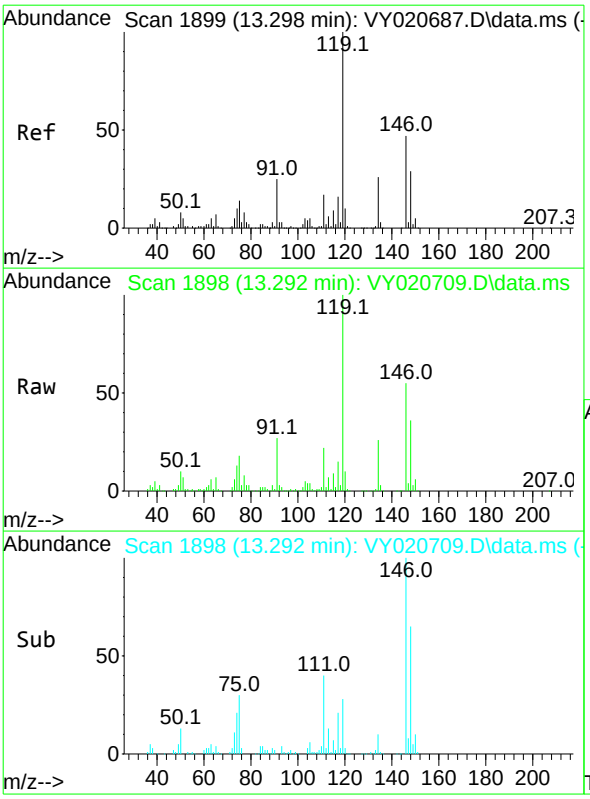


#86
p-Isopropyltoluene
Concen: 50.891 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:119 Resp: 198854

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.4	40.2
91	25.8	12.9	38.6

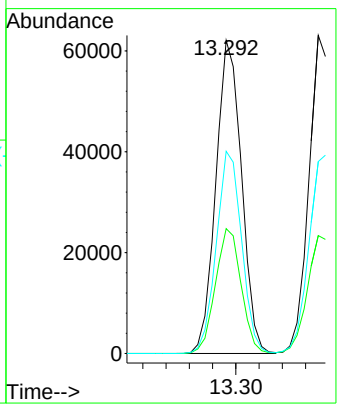




#87
1,3-Dichlorobenzene
Concen: 50.631 ug/l
RT: 13.292 min Scan# 18
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:146 Resp: 95245

Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.3	57.8
148	63.9	31.1	93.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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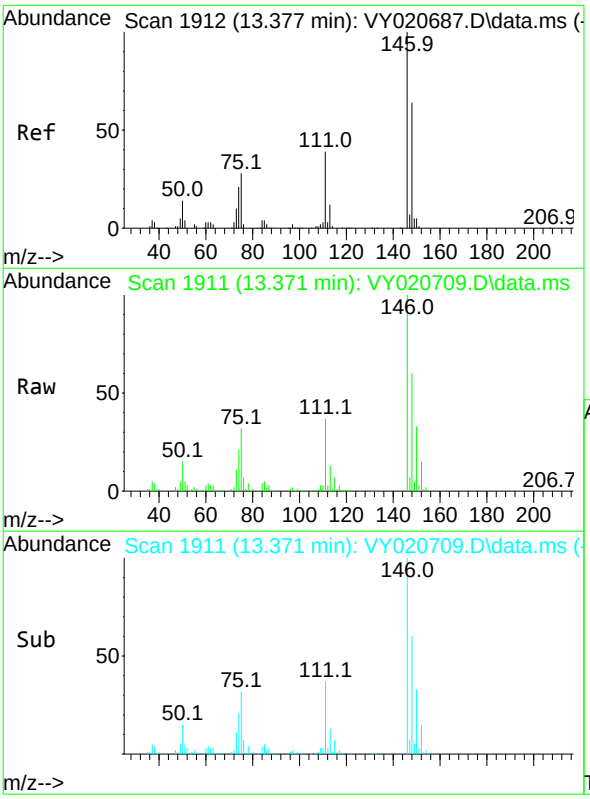
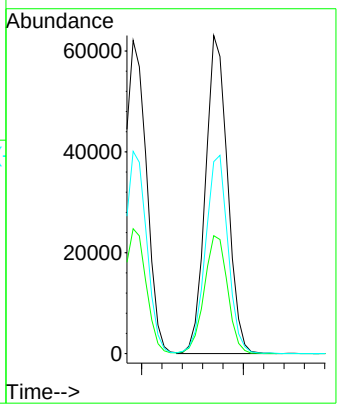
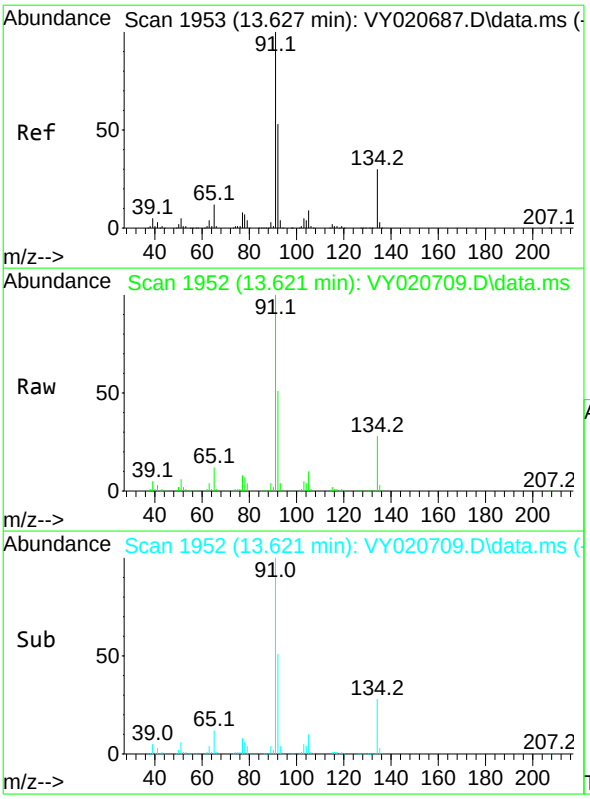


#88
1,4-Dichlorobenzene
Concen: 50.694 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:146 Resp: 94865

Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	63.8	32.8	98.3

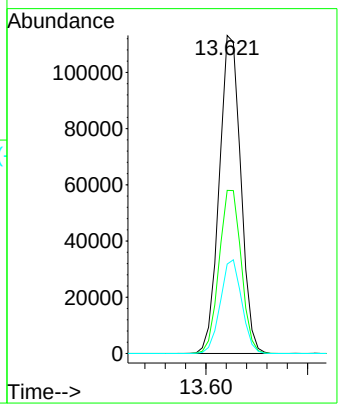




#89
n-Butylbenzene
Concen: 51.010 ug/l
RT: 13.621 min Scan# 19
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 91 Resp: 166380

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.1	78.2
134	29.3	14.8	44.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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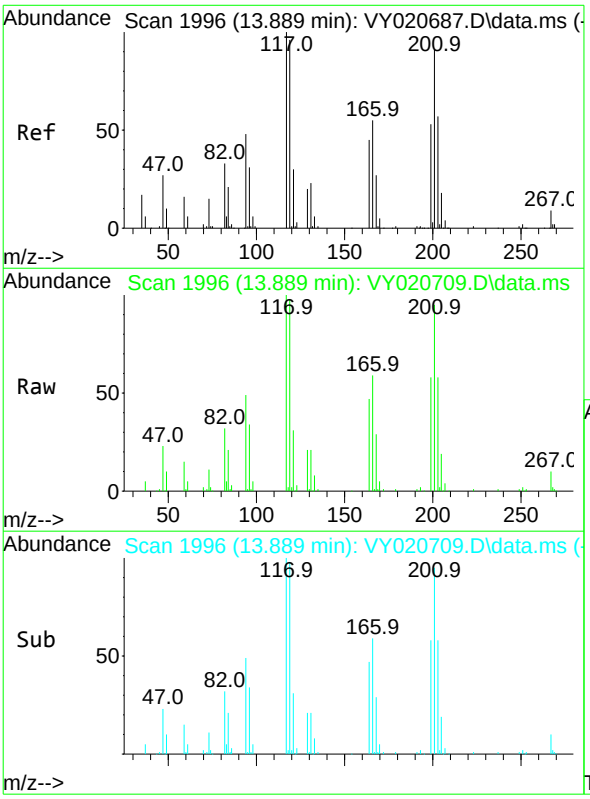
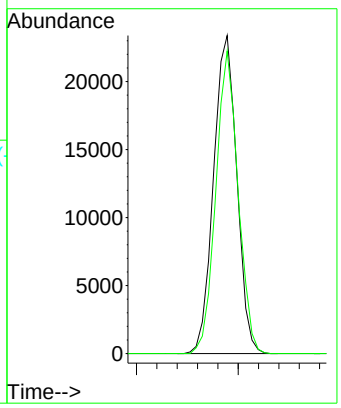
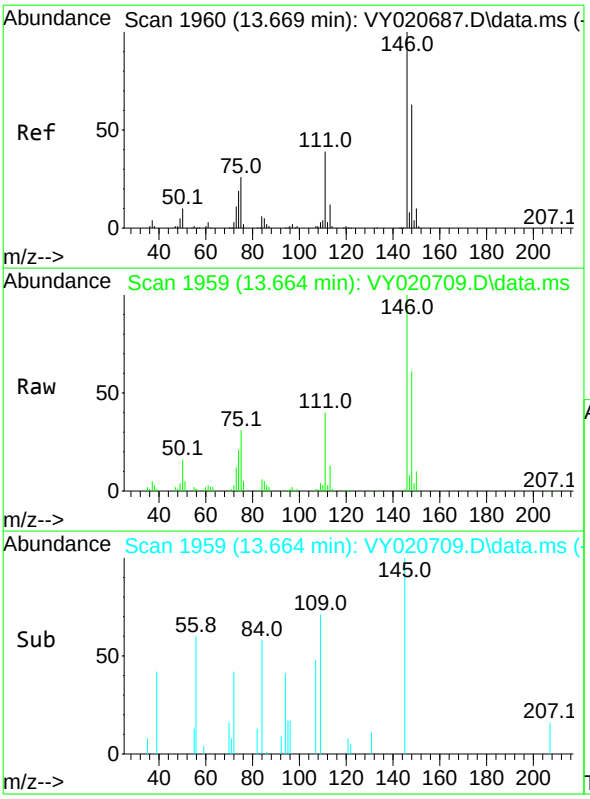


#90
Hexachloroethane
Concen: 50.005 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:117 Resp: 37154

Ion	Ratio	Lower	Upper
117	100		
201	90.9	44.9	134.7

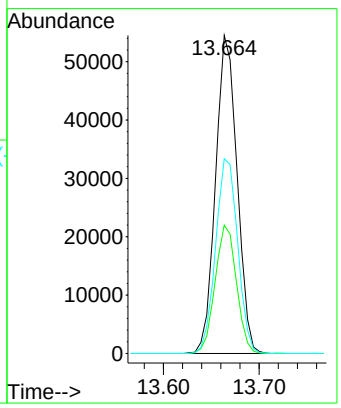




#91
1,2-Dichlorobenzene
Concen: 52.769 ug/l
RT: 13.664 min Scan# 19
Delta R.T. -0.005 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:146 Resp: 85113

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.3	60.8
148	63.0	31.9	95.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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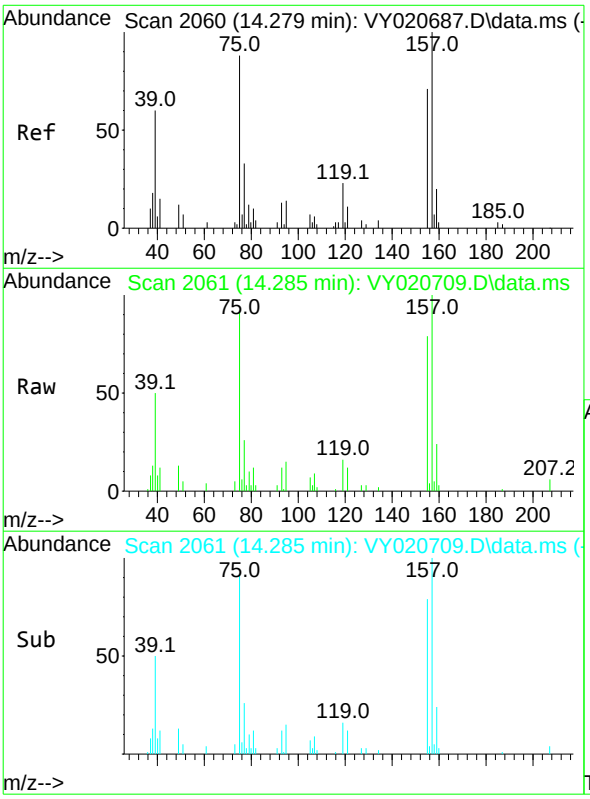
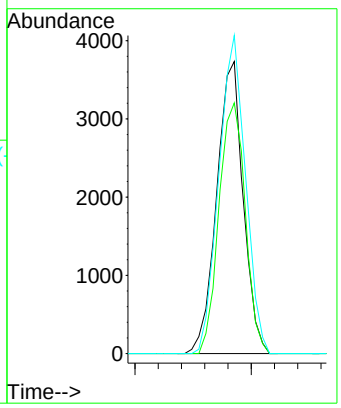
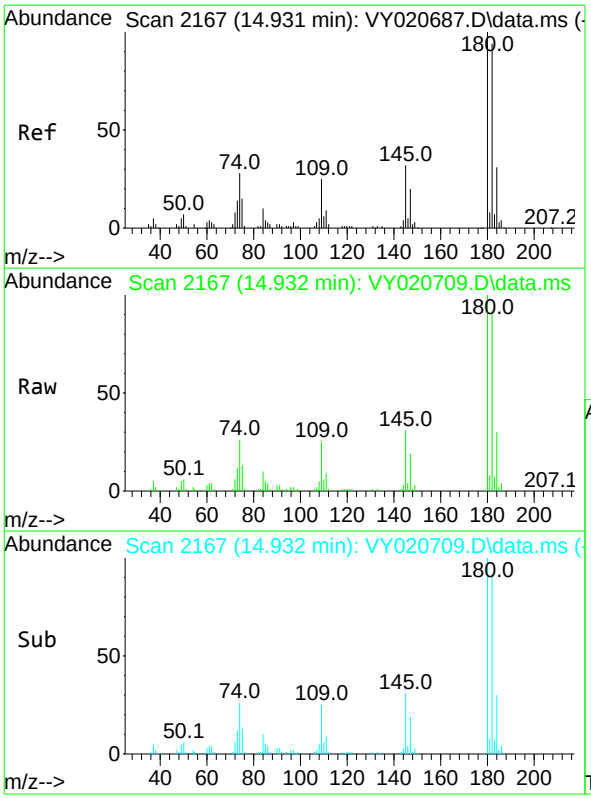


#92
1,2-Dibromo-3-Chloropropane
Concen: 56.916 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 75 Resp: 5917

Ion	Ratio	Lower	Upper
75	100		
155	84.8	43.4	130.2
157	109.2	58.6	175.7





#93
1,2,4-Trichlorobenzene
Concen: 53.117 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.001 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

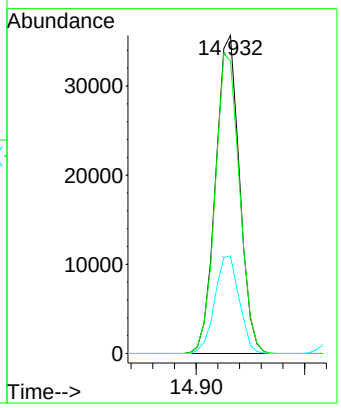
Tgt Ion:180 Resp: 54457

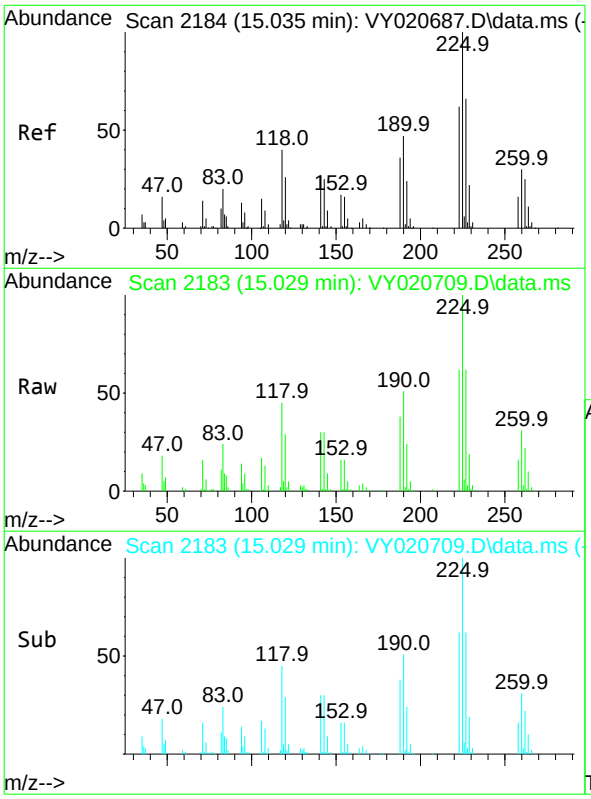
Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.9	143.7
145	31.3	15.6	46.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

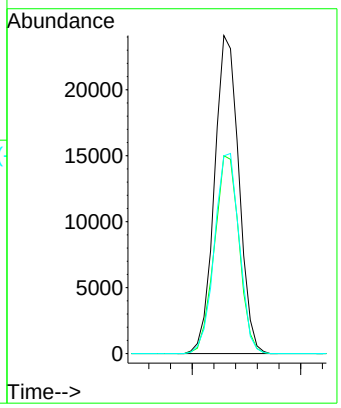


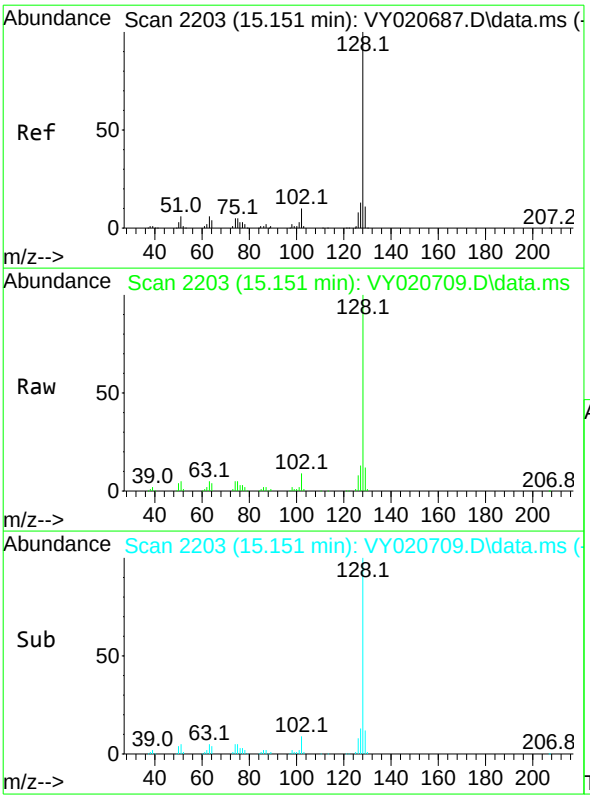


#94
Hexachlorobutadiene
Concen: 50.369 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:225 Resp: 37636

Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.3	93.8
227	63.9	32.1	96.5

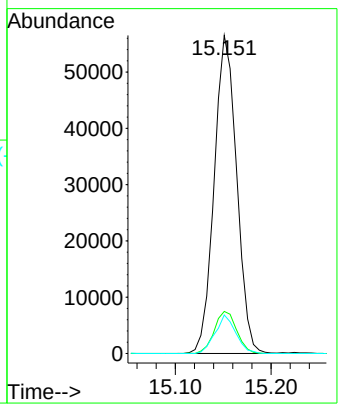




#95
Naphthalene
Concen: 56.177 ug/l
RT: 15.151 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:128 Resp: 92244

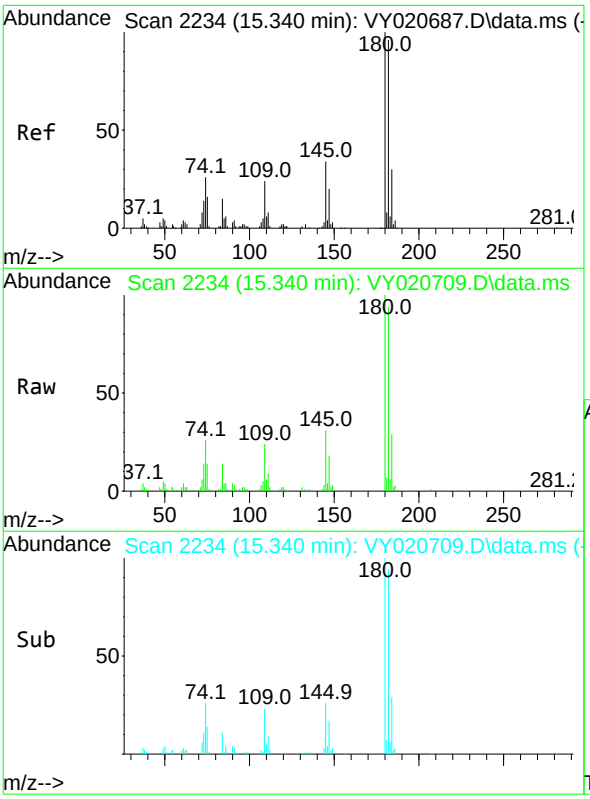
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	11.1	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

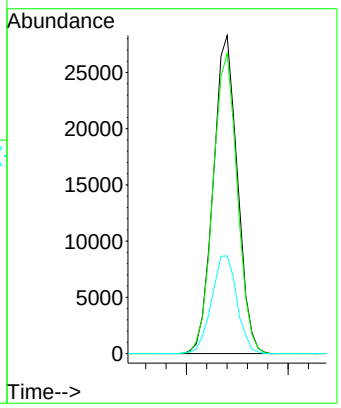
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024



#96
1,2,3-Trichlorobenzene
Concen: 54.682 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:180 Resp: 46678

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.4	142.2
145	32.3	16.7	50.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020710.D
Acq On : 26 Dec 2024 11:01
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Dec 26 16:06:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	114988	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	158039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	137996	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	68495	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	149540	158.772	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 317.540%#			
35) Dibromofluoromethane	7.646	113	134770	154.819	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 309.640%#			
50) Toluene-d8	10.115	98	518209	146.261	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 292.520%#			
62) 4-Bromofluorobenzene	12.413	95	176701	152.741	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 305.480%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	129832	143.447	ug/l	98
3) Chloromethane	2.074	50	50886	150.751	ug/l	94
4) Vinyl Chloride	2.214	62	61386	146.779	ug/l	100
5) Bromomethane	2.598	94	46855	148.385	ug/l	93
6) Chloroethane	2.744	64	38539	153.610	ug/l	92
7) Trichlorofluoromethane	3.067	101	237769	147.839	ug/l	99
8) Diethyl Ether	3.464	74	58291	152.312	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.829	101	129702	146.898	ug/l	98
10) Methyl Iodide	4.012	142	153490	158.974	ug/l	98
11) Tert butyl alcohol	4.878	59	42318	761.366	ug/l #	78
12) 1,1-Dichloroethene	3.805	96	117146	149.063	ug/l	100
13) Acrolein	3.665	56	9943	505.005	ug/l	97
14) Allyl chloride	4.396	41	139044	151.192	ug/l	97
15) Acrylonitrile	5.073	53	112334	759.818	ug/l	99
16) Acetone	3.878	43	82039	686.613	ug/l	99
17) Carbon Disulfide	4.122	76	299085	155.142	ug/l	99
18) Methyl Acetate	4.396	43	49673	153.605	ug/l	98
19) Methyl tert-butyl Ether	5.134	73	325123	148.428	ug/l	100
20) Methylene Chloride	4.634	84	113659	146.259	ug/l	94
21) trans-1,2-Dichloroethene	5.134	96	126864	149.805	ug/l	97
22) Diisopropyl ether	6.030	45	270897	144.902	ug/l	98
23) Vinyl Acetate	5.975	43	842460	754.449	ug/l	99
24) 1,1-Dichloroethane	5.927	63	203786	145.390	ug/l	98
25) 2-Butanone	6.908	43	121750	754.322	ug/l	95
26) 2,2-Dichloropropane	6.896	77	245949	143.362	ug/l	100
27) cis-1,2-Dichloroethene	6.902	96	149023	146.943	ug/l	98
28) Bromochloromethane	7.256	49	61393	165.629	ug/l	95
29) Tetrahydrofuran	7.274	42	75734	764.431	ug/l	97
30) Chloroform	7.433	83	255843	141.892	ug/l	94
31) Cyclohexane	7.713	56	159686	131.985	ug/l	98
32) 1,1,1-Trichloroethane	7.628	97	281529	145.661	ug/l	99
36) 1,1-Dichloropropene	7.847	75	170324	148.123	ug/l	99
37) Ethyl Acetate	6.994	43	58258	153.750	ug/l	100
38) Carbon Tetrachloride	7.829	117	281225	148.522	ug/l	96
39) Methylcyclohexane	9.115	83	222062	150.669	ug/l	96
40) Benzene	8.091	78	493419	148.061	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020710.D
Acq On : 26 Dec 2024 11:01
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Dec 26 16:06:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	30977	161.841	ug/l		94
42) 1,2-Dichloroethane	8.170	62	162177	151.768	ug/l		99
43) Isopropyl Acetate	8.207	43	125433	155.741	ug/l		98
44) Trichloroethene	8.871	130	146621	147.303	ug/l		93
45) 1,2-Dichloropropane	9.146	63	96524	143.087	ug/l		95
46) Dibromomethane	9.237	93	70177	150.351	ug/l		99
47) Bromodichloromethane	9.432	83	197163	148.994	ug/l		93
48) Methyl methacrylate	9.225	41	57813	153.712	ug/l		99
49) 1,4-Dioxane	9.237	88	14810	3331.078	ug/l		98
51) 4-Methyl-2-Pentanone	10.005	43	297779	766.010	ug/l		100
52) Toluene	10.176	92	342599	149.994	ug/l		100
53) t-1,3-Dichloropropene	10.401	75	180957	155.696	ug/l		98
54) cis-1,3-Dichloropropene	9.865	75	194591	152.747	ug/l		97
55) 1,1,2-Trichloroethane	10.578	97	89814	150.745	ug/l		97
56) Ethyl methacrylate	10.444	69	125990	160.965	ug/l		99
57) 1,3-Dichloropropane	10.725	76	147770	152.813	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.719	63	227376	833.052	ug/l		99
59) 2-Hexanone	10.767	43	205596	801.023	ug/l		99
60) Dibromochloromethane	10.920	129	146356	152.023	ug/l		99
61) 1,2-Dibromoethane	11.023	107	87182	155.511	ug/l		99
64) Tetrachloroethene	10.651	164	139334	147.787	ug/l		97
65) Chlorobenzene	11.450	112	390317	144.451	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.523	131	151401	144.626	ug/l		99
67) Ethyl Benzene	11.523	91	696321	147.444	ug/l		99
68) m/p-Xylenes	11.633	106	532697	295.699	ug/l		100
69) o-Xylene	11.962	106	249576	145.003	ug/l		98
70) Styrene	11.974	104	422920	146.372	ug/l		100
71) Bromoform	12.139	173	90423	150.242	ug/l	#	100
73) Isopropylbenzene	12.261	105	699104	147.320	ug/l		100
74) N-amyl acetate	12.078	43	110622	164.040	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	92629	152.263	ug/l		99
76) 1,2,3-Trichloropropane	12.566	75	74431m	137.761	ug/l		
77) Bromobenzene	12.541	156	163665	149.824	ug/l		98
78) n-propylbenzene	12.602	91	775459	145.797	ug/l		99
79) 2-Chlorotoluene	12.688	91	447942	147.735	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	577812	146.144	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	33964	154.104	ug/l		97
82) 4-Chlorotoluene	12.785	91	460319	146.900	ug/l		99
83) tert-Butylbenzene	13.005	119	540775	146.461	ug/l		99
84) 1,2,4-Trimethylbenzene	13.047	105	570579	148.302	ug/l		99
85) sec-Butylbenzene	13.181	105	727401	146.177	ug/l		99
86) p-Isopropyltoluene	13.297	119	651978	147.017	ug/l		99
87) 1,3-Dichlorobenzene	13.297	146	314188	147.160	ug/l		98
88) 1,4-Dichlorobenzene	13.377	146	308690	145.345	ug/l		98
89) n-Butylbenzene	13.627	91	551311	148.927	ug/l		100
90) Hexachloroethane	13.889	117	125073	148.318	ug/l		97
91) 1,2-Dichlorobenzene	13.663	146	272976	149.118	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	18575	157.429	ug/l		97
93) 1,2,4-Trichlorobenzene	14.931	180	194628	167.268	ug/l		99
94) Hexachlorobutadiene	15.029	225	130414	153.785	ug/l		99
95) Naphthalene	15.151	128	329555	176.838	ug/l		100
96) 1,2,3-Trichlorobenzene	15.340	180	163465	168.727	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020710.D
Acq On : 26 Dec 2024 11:01
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Quant Time: Dec 26 16:06:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

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

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

ICAL Form

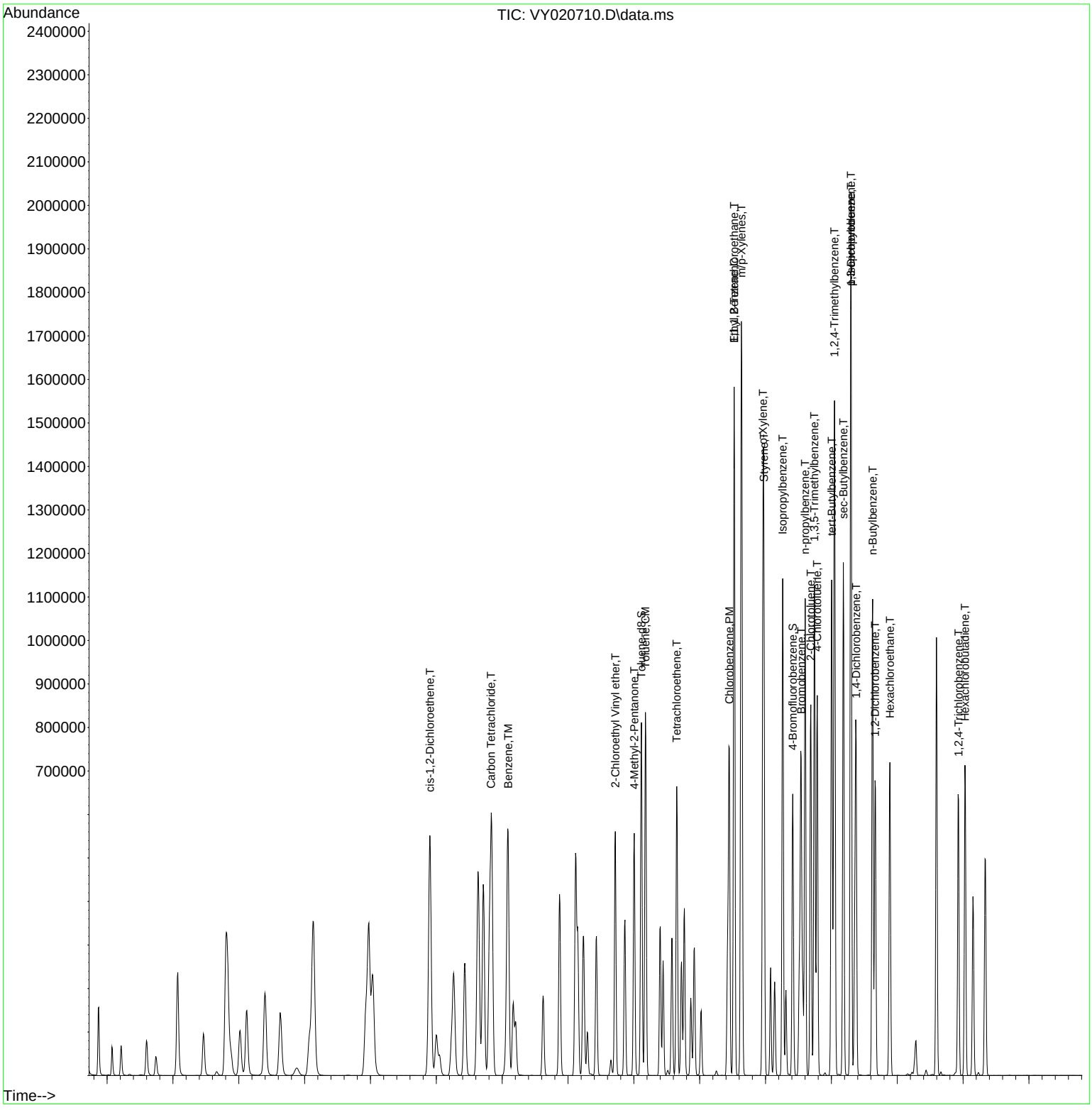
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020710.D
Acq On : 26 Dec 2024 11:01
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

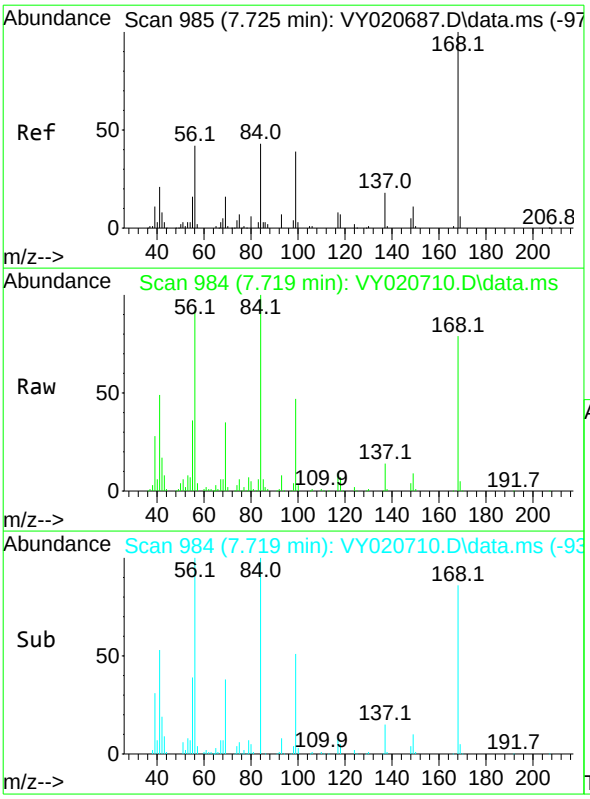
Quant Time: Dec 26 16:06:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

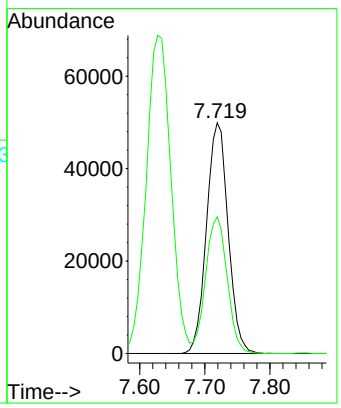




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:168 Resp: 114988

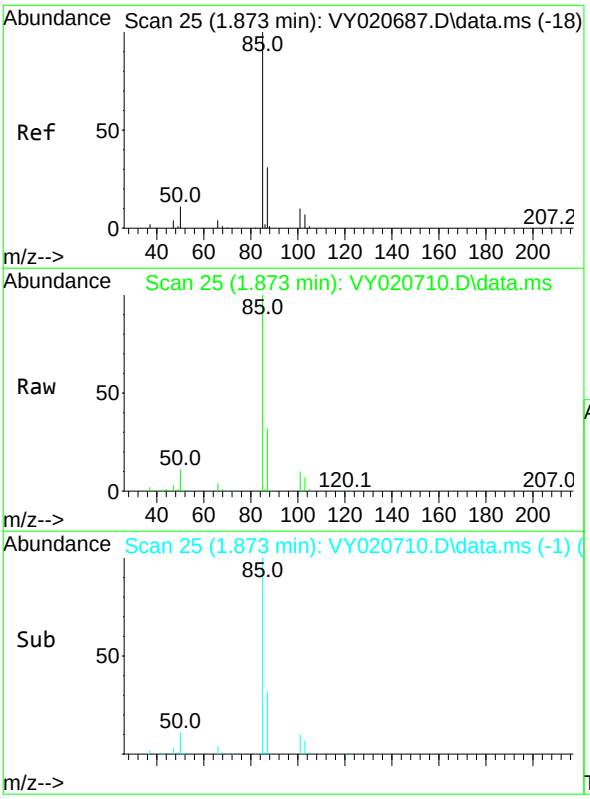
Ion	Ratio	Lower	Upper
168	100		
99	59.2	43.8	65.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

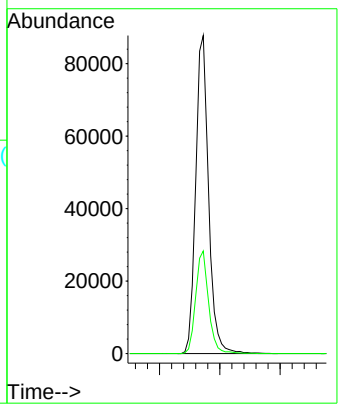
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

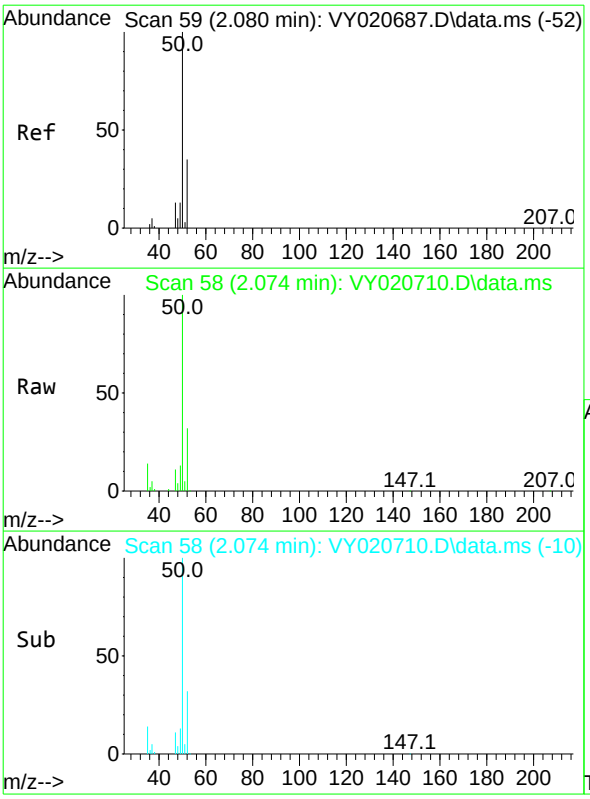


#2
Dichlorodifluoromethane
Concen: 143.447 ug/l
RT: 1.873 min Scan# 25
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 85 Resp: 129832

Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.4	46.4

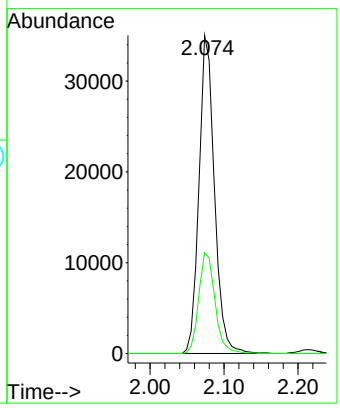




#3
Chloromethane
Concen: 150.751 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 50 Resp: 50886

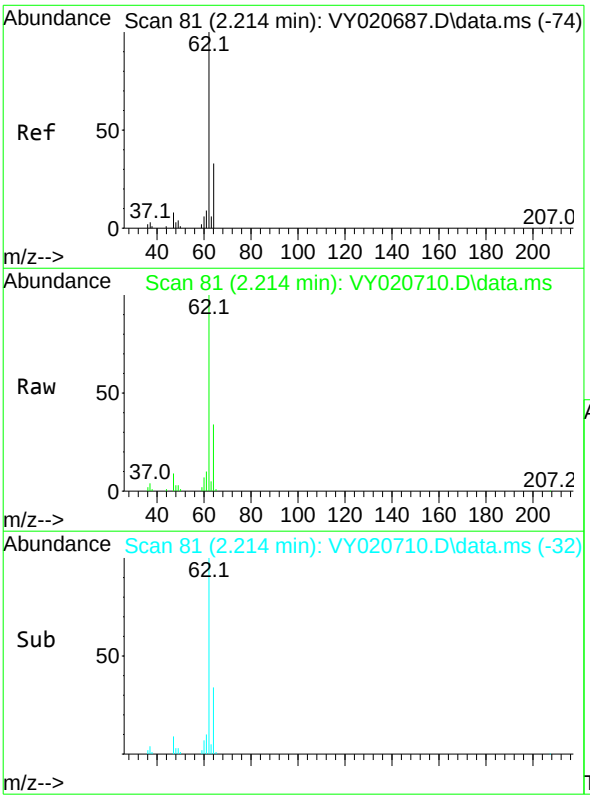
Ion	Ratio	Lower	Upper
50	100		
52	31.7	28.2	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

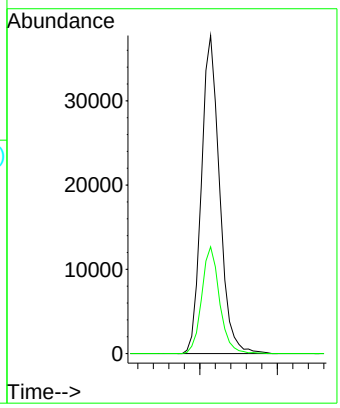
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

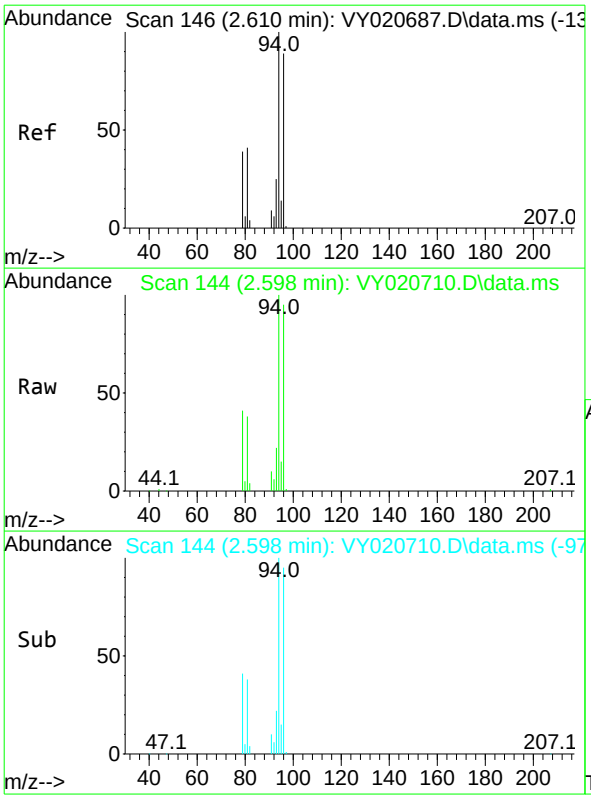


#4
Vinyl Chloride
Concen: 146.779 ug/l
RT: 2.214 min Scan# 81
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 62 Resp: 61386

Ion	Ratio	Lower	Upper
62	100		
64	33.6	26.6	40.0

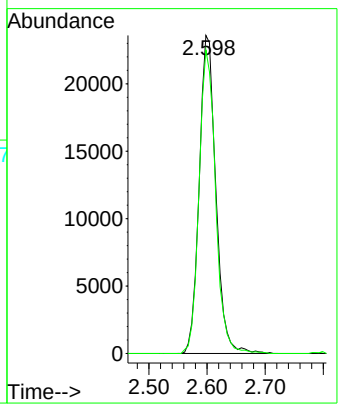




#5
Bromomethane
Concen: 148.385 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 94 Resp: 46855

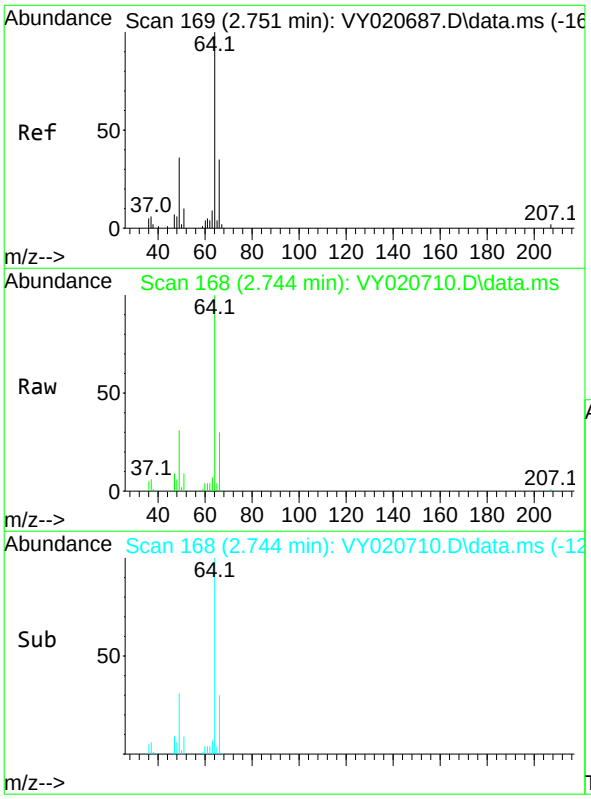
Ion	Ratio	Lower	Upper
94	100		
96	95.4	71.0	106.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

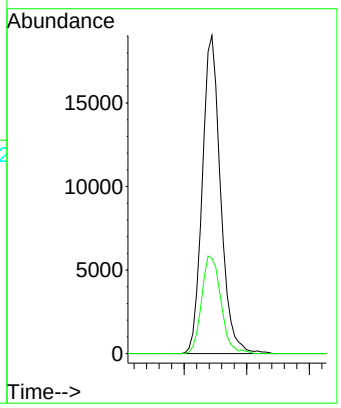
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

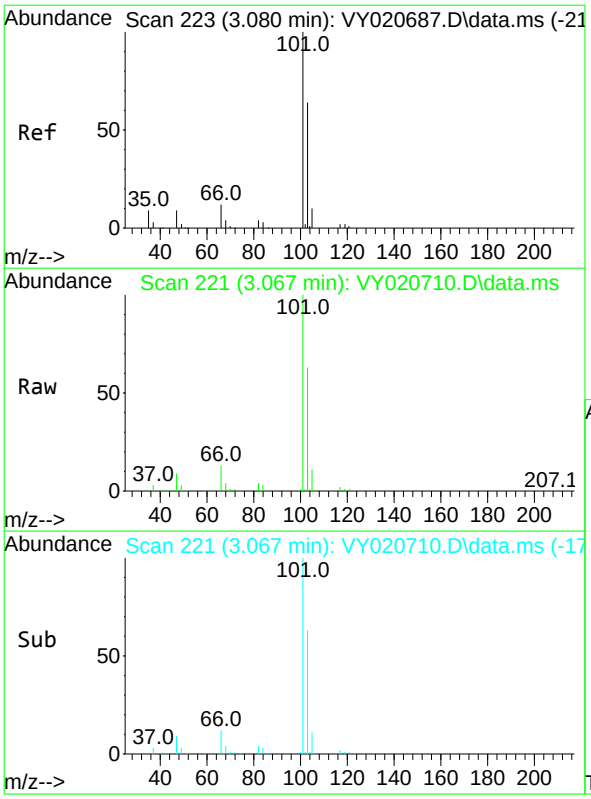


#6
Chloroethane
Concen: 153.610 ug/l
RT: 2.744 min Scan# 168
Delta R.T. -0.007 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 64 Resp: 38539

Ion	Ratio	Lower	Upper
64	100		
66	30.0	27.8	41.8

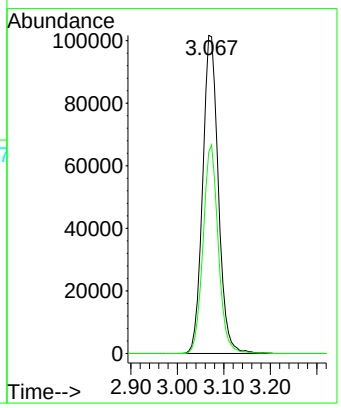




#7
Trichlorofluoromethane
Concen: 147.839 ug/l
RT: 3.067 min Scan# 22
Delta R.T. -0.013 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:101 Resp: 237769

Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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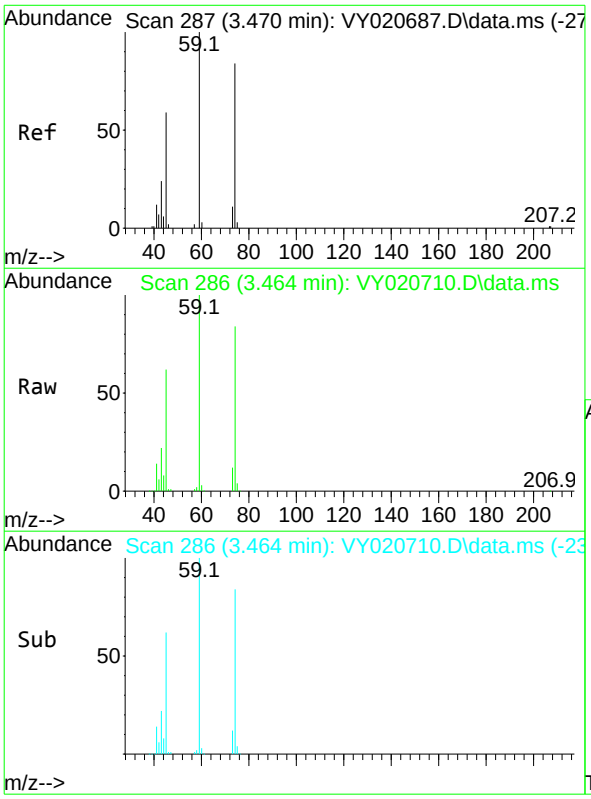
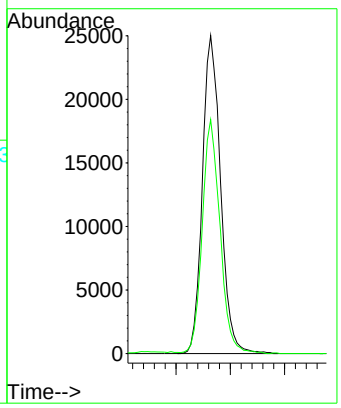
Supervised By :Semsettin Yesilyurt 12/27/2024

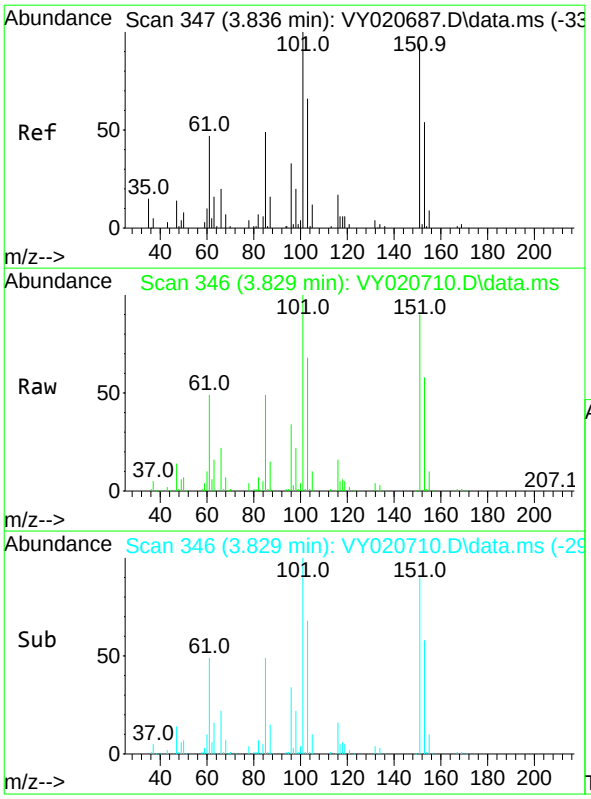


#8
Diethyl Ether
Concen: 152.312 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 74 Resp: 58291

Ion	Ratio	Lower	Upper
74	100		
45	72.1	35.8	107.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 146.898 ug/l
RT: 3.829 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 129702

Ion	Ratio	Lower	Upper
101	100		
85	47.4	38.2	57.2
151	88.1	68.4	102.6

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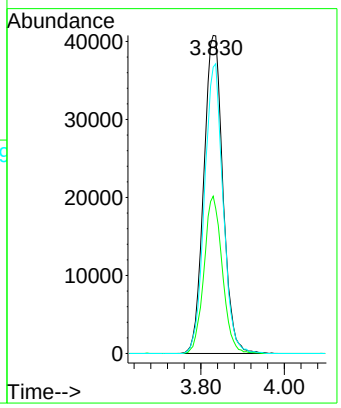
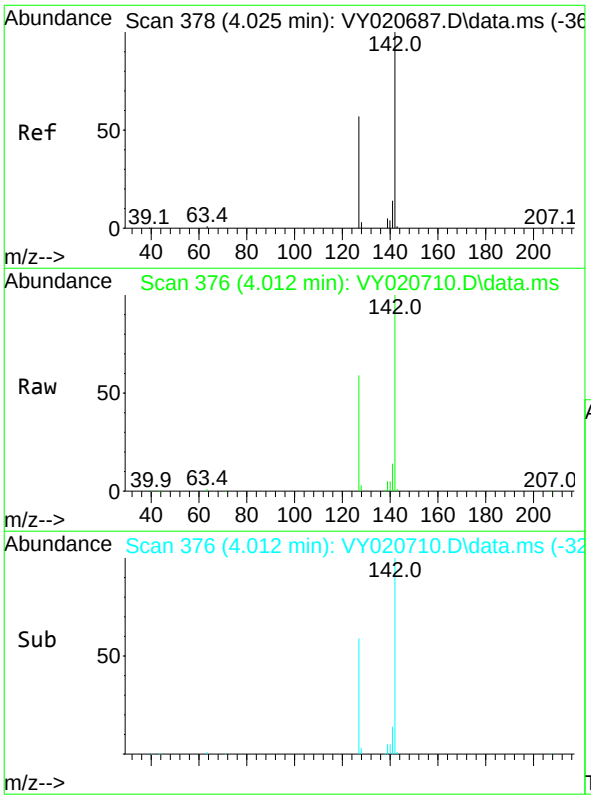
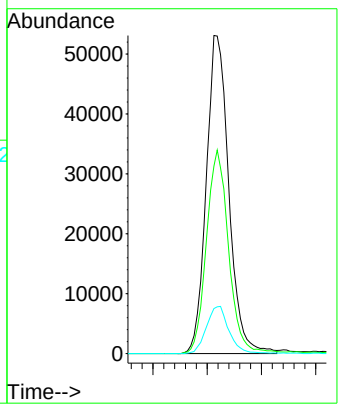


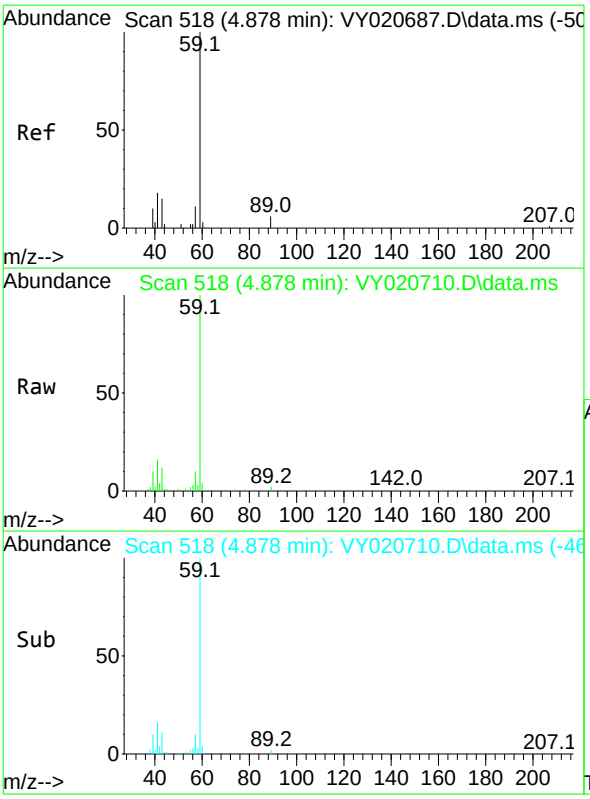


#10
Methyl Iodide
Concen: 158.974 ug/l
RT: 4.012 min Scan# 376
Delta R.T. -0.013 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:142 Resp: 153490

Ion	Ratio	Lower	Upper
142	100		
127	62.9	48.8	73.2
141	14.9	11.9	17.9

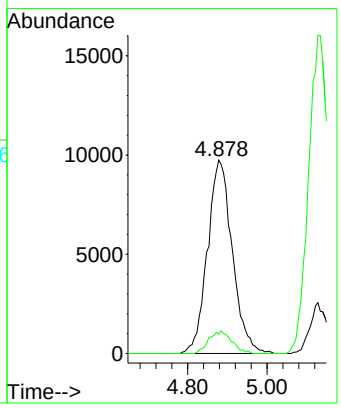




#11
Tert butyl alcohol
Concen: 761.366 ug/l
RT: 4.878 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 59 Resp: 42318

Ion	Ratio	Lower	Upper
59	100		
57	10.7	2.8	4.2#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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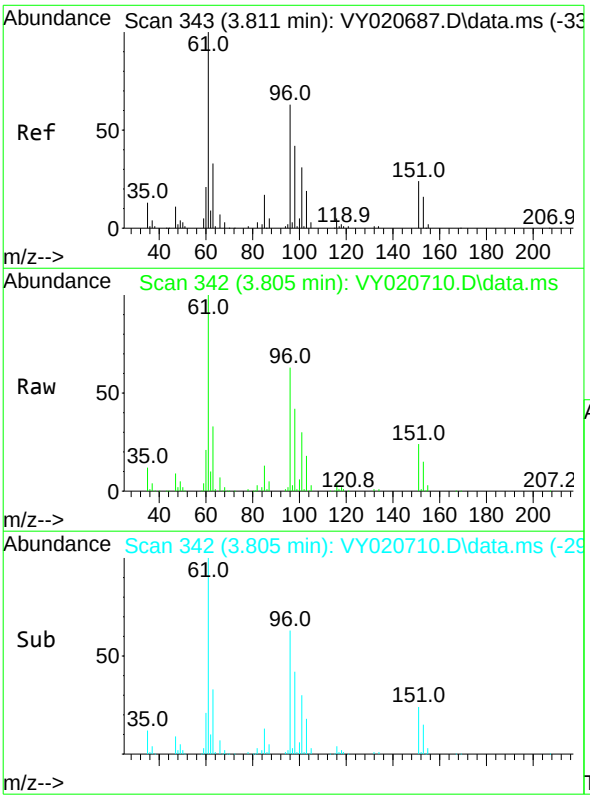
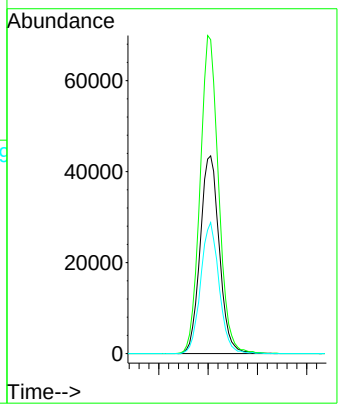
Supervised By :Semsettin Yesilyurt 12/27/2024

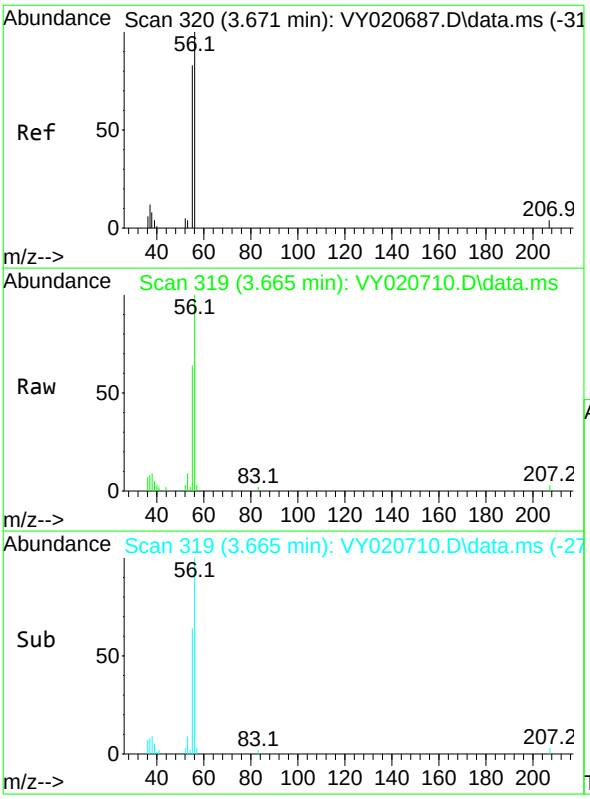


#12
1,1-Dichloroethene
Concen: 149.063 ug/l
RT: 3.805 min Scan# 342
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 96 Resp: 117146

Ion	Ratio	Lower	Upper
96	100		
61	158.6	127.1	190.7
98	66.3	53.4	80.0

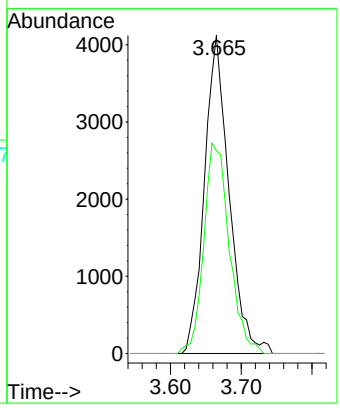




#13
Acrolein
Concen: 505.005 ug/l
RT: 3.665 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 56 Resp: 9943

Ion	Ratio	Lower	Upper
56	100		
55	68.5	57.0	85.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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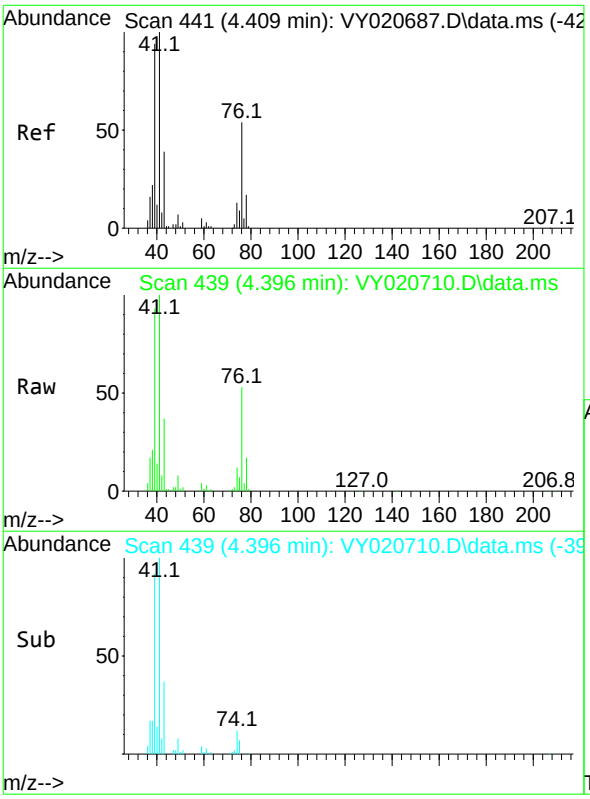
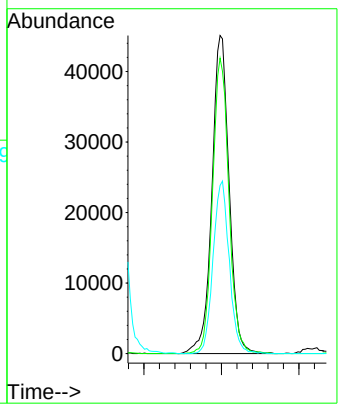
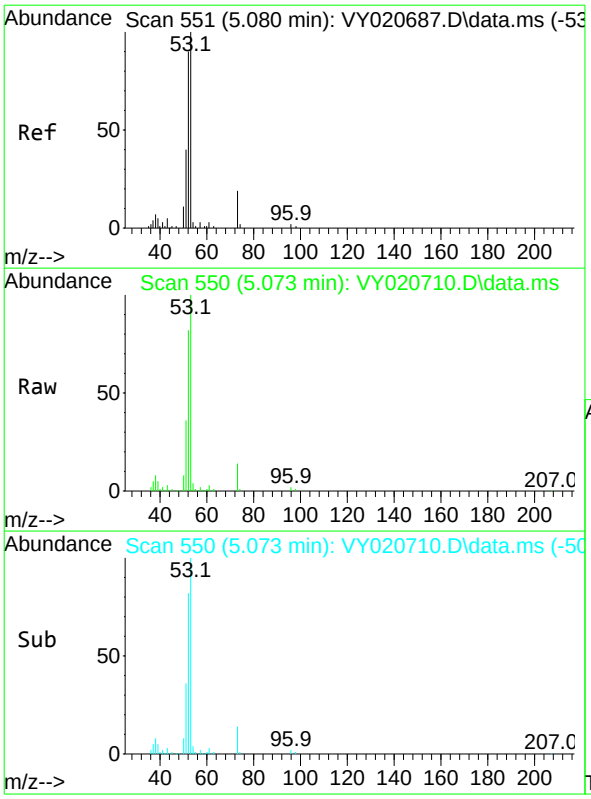


#14
Allyl chloride
Concen: 151.192 ug/l
RT: 4.396 min Scan# 439
Delta R.T. -0.013 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 41 Resp: 139044

Ion	Ratio	Lower	Upper
41	100		
39	88.7	73.5	110.3
76	51.0	41.8	62.8

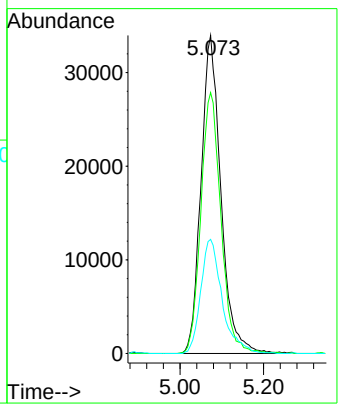




#15
Acrylonitrile
Concen: 759.818 ug/l
RT: 5.073 min Scan# 55
Delta R.T. -0.007 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 53 Resp: 112334

Ion	Ratio	Lower	Upper
53	100		
52	82.7	67.1	100.7
51	38.7	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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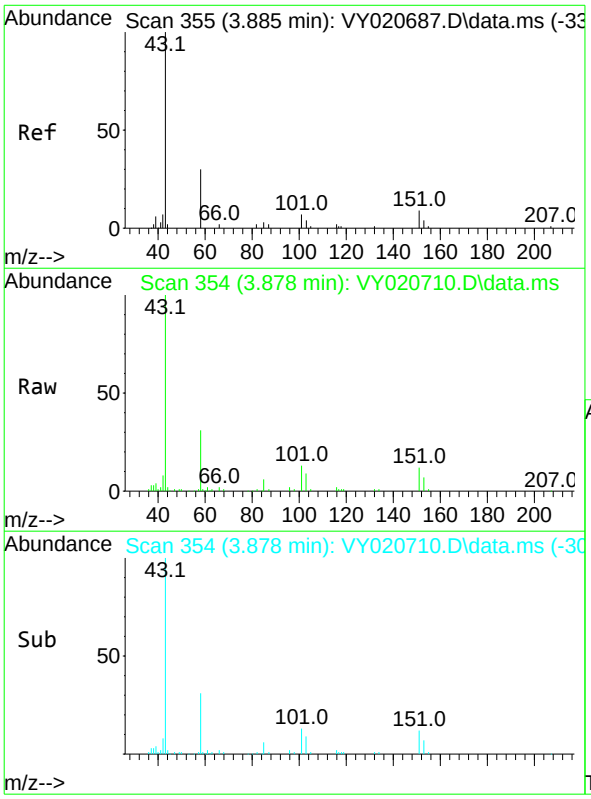
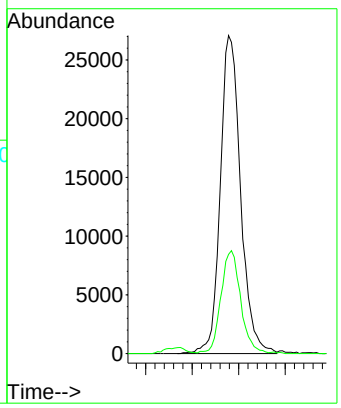
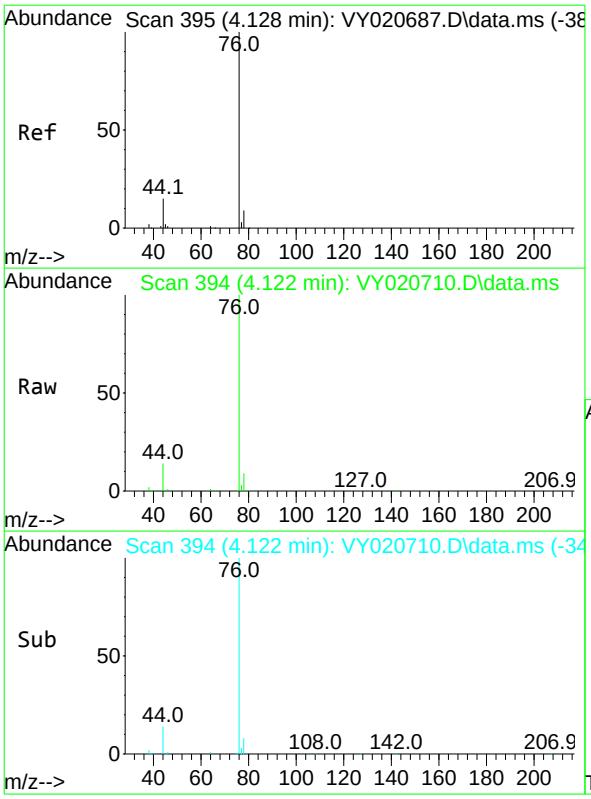


#16
Acetone
Concen: 686.613 ug/l
RT: 3.878 min Scan# 354
Delta R.T. -0.007 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 43 Resp: 82039

Ion	Ratio	Lower	Upper
43	100		
58	31.0	25.0	37.6

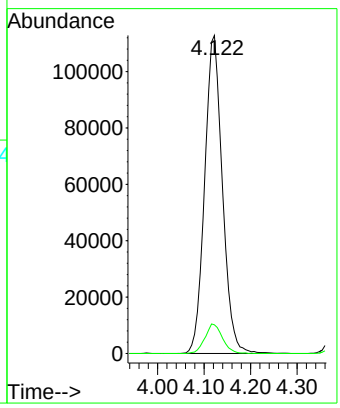




#17
Carbon Disulfide
Concen: 155.142 ug/l
RT: 4.122 min Scan# 39
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 76 Resp: 299085

Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.9	10.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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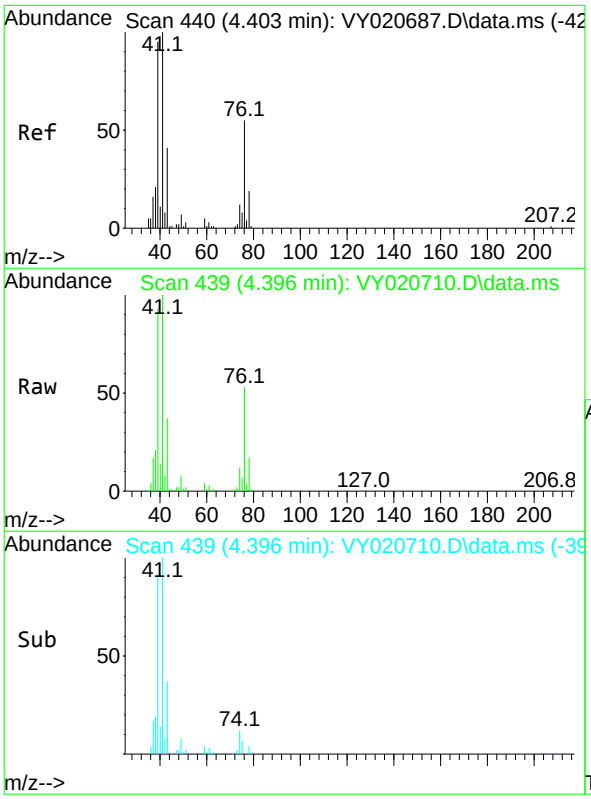
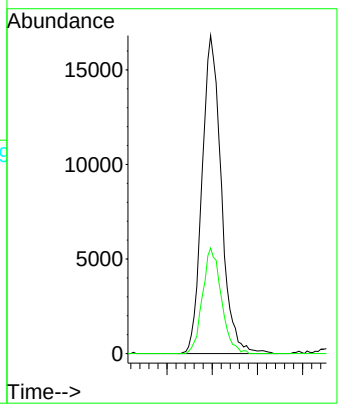
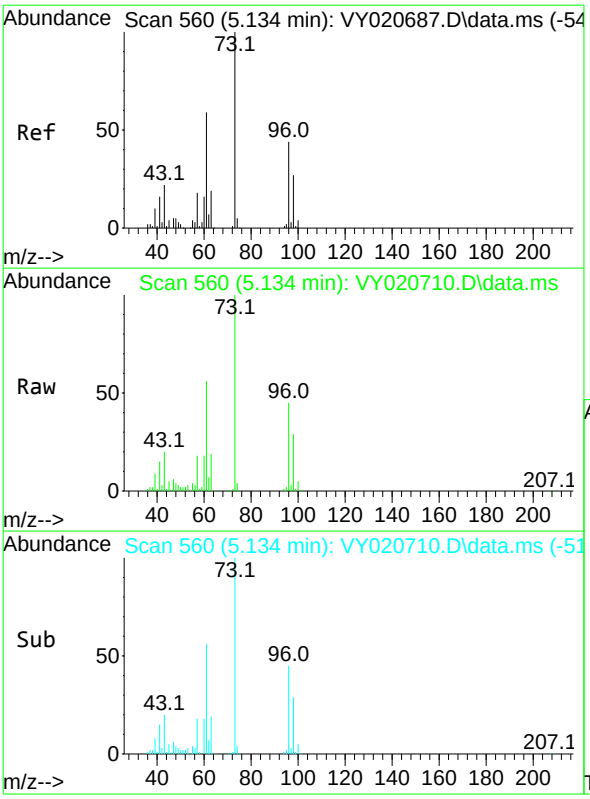


#18
Methyl Acetate
Concen: 153.605 ug/l
RT: 4.396 min Scan# 439
Delta R.T. -0.007 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 43 Resp: 49673

Ion	Ratio	Lower	Upper
43	100		
74	32.4	25.3	37.9

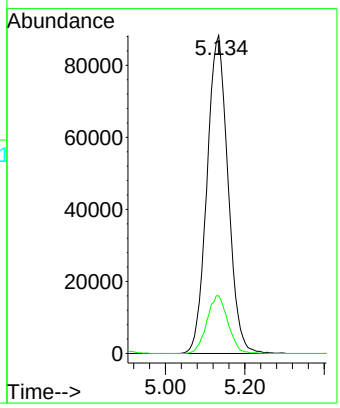




#19
Methyl tert-butyl Ether
Concen: 148.428 ug/l
RT: 5.134 min Scan# 56
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 73 Resp: 325123

Ion	Ratio	Lower	Upper
73	100		
57	18.1	14.4	21.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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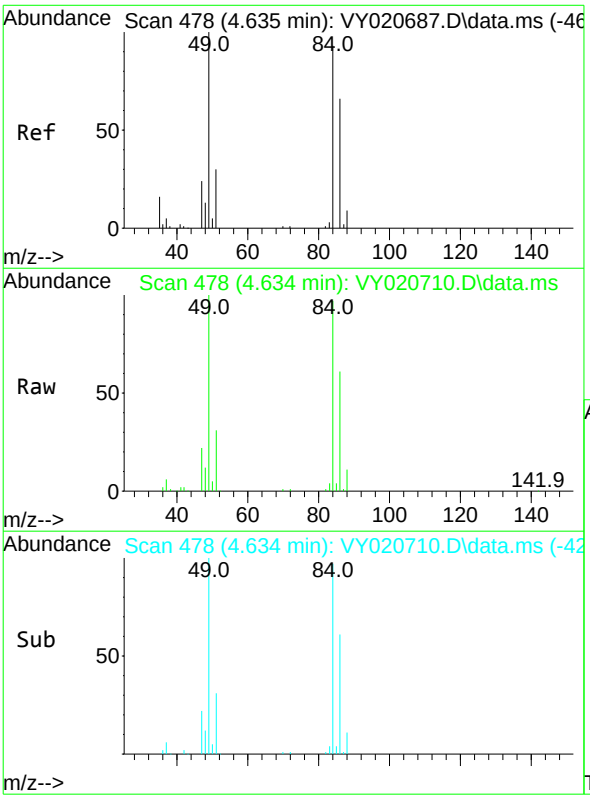
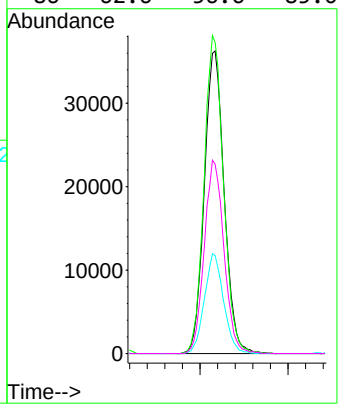
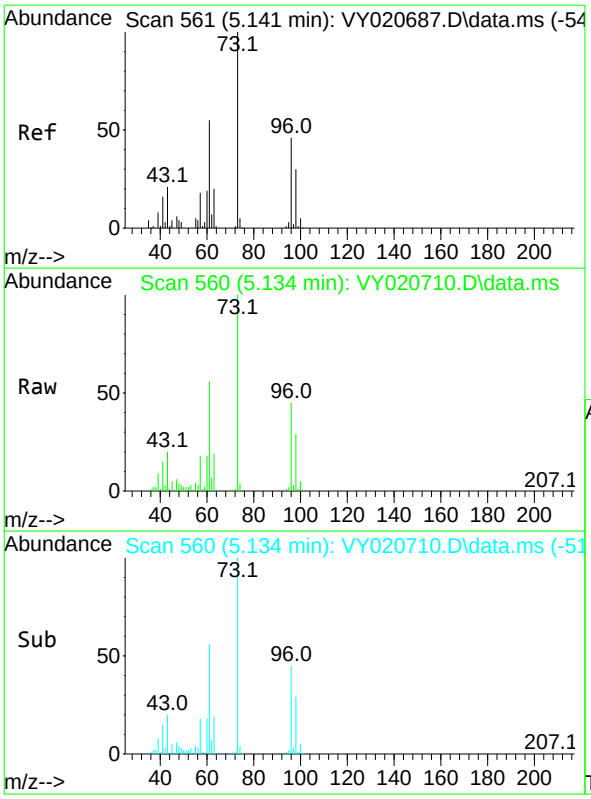


#20
Methylene Chloride
Concen: 146.259 ug/l
RT: 4.634 min Scan# 478
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 84 Resp: 113659

Ion	Ratio	Lower	Upper
84	100		
49	102.8	86.4	129.6
51	32.3	25.5	38.3
86	62.6	56.6	85.0

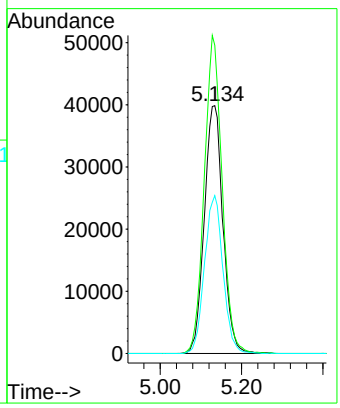




#21
trans-1,2-Dichloroethene
Concen: 149.805 ug/l
RT: 5.134 min Scan# 56
Delta R.T. -0.007 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 96 Resp: 126864

Ion	Ratio	Lower	Upper
96	100		
61	124.4	96.1	144.1
98	63.7	52.7	79.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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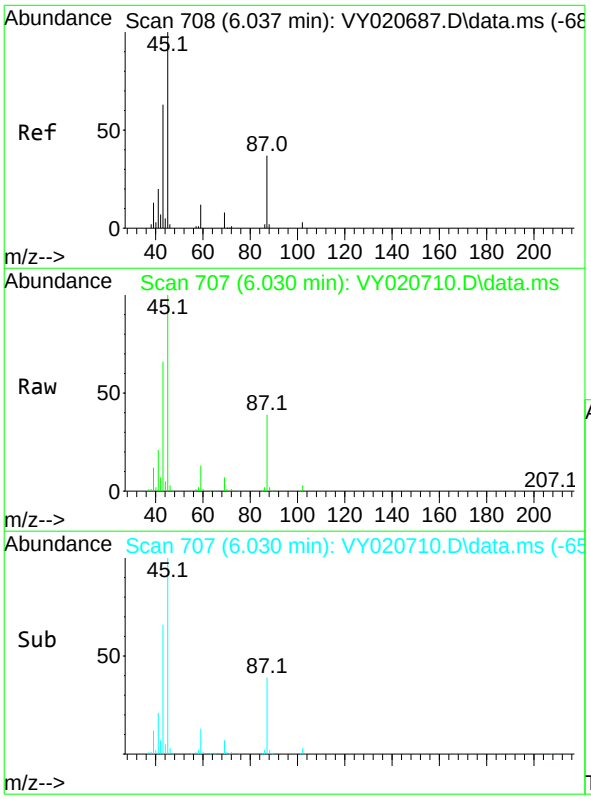
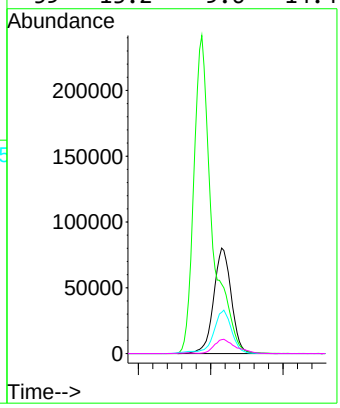
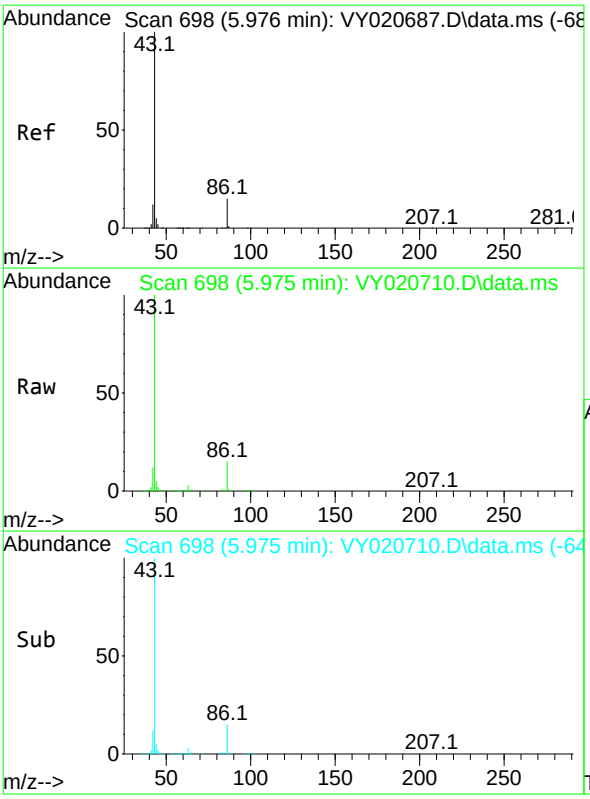


#22
Diisopropyl ether
Concen: 144.902 ug/l
RT: 6.030 min Scan# 707
Delta R.T. -0.007 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 45 Resp: 270897

Ion	Ratio	Lower	Upper
45	100		
43	65.6	51.3	76.9
87	39.1	30.6	46.0
59	13.2	9.6	14.4

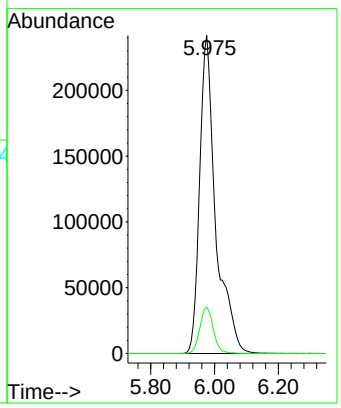




#23
Vinyl Acetate
Concen: 754.449 ug/l
RT: 5.975 min Scan# 69
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 43 Resp: 842460

Ion	Ratio	Lower	Upper
43	100		
86	14.6	12.0	18.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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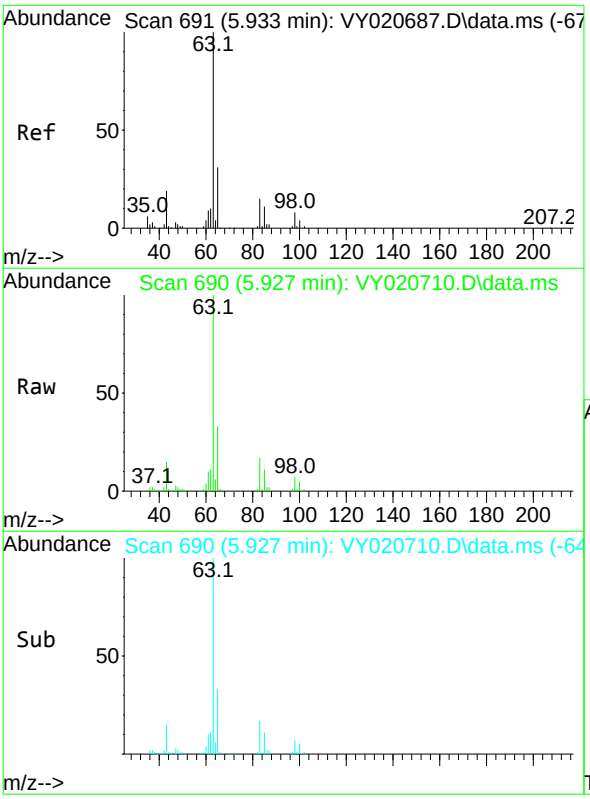
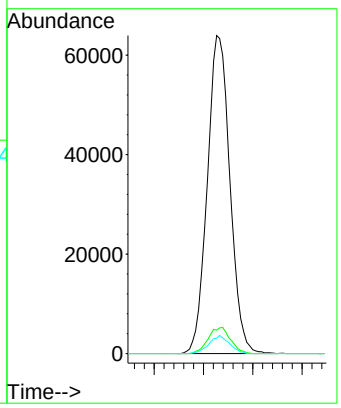
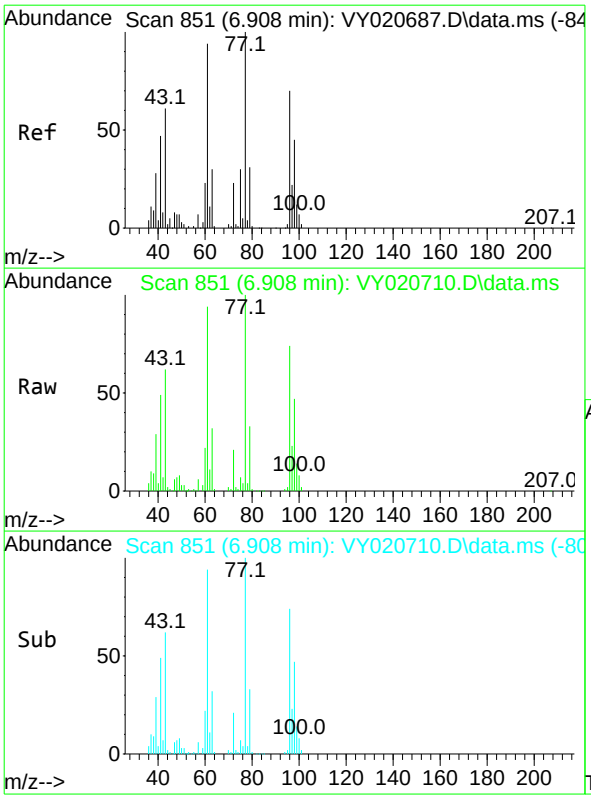


#24
1,1-Dichloroethane
Concen: 145.390 ug/l
RT: 5.927 min Scan# 690
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 63 Resp: 203786

Ion	Ratio	Lower	Upper
63	100		
98	7.4	4.0	12.0
100	4.8	2.1	6.2

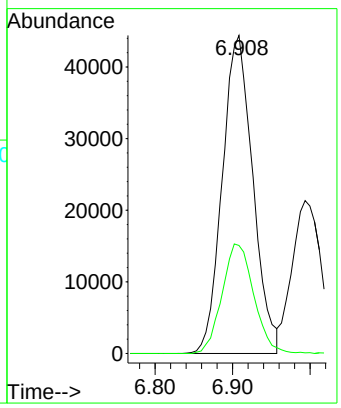




#25
2-Butanone
Concen: 754.322 ug/l
RT: 6.908 min Scan# 85
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 43 Resp: 121750

Ion	Ratio	Lower	Upper
43	100		
72	34.0	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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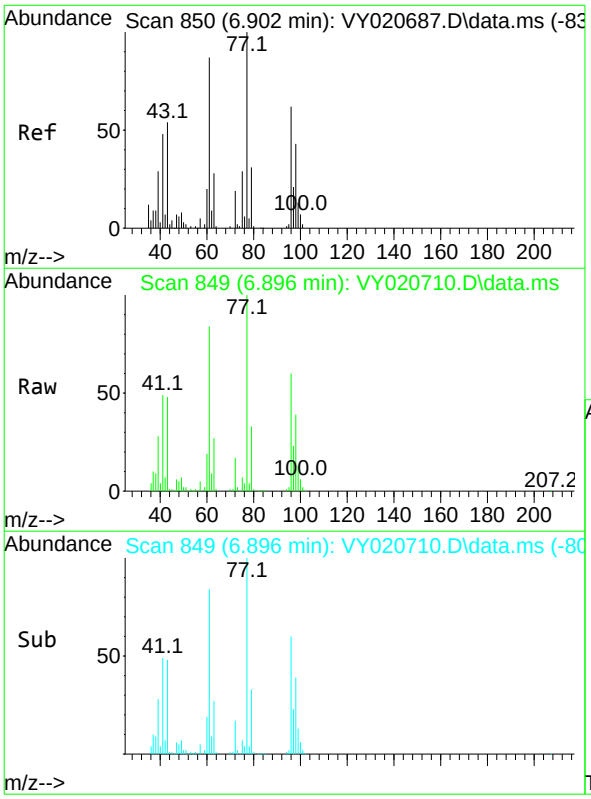
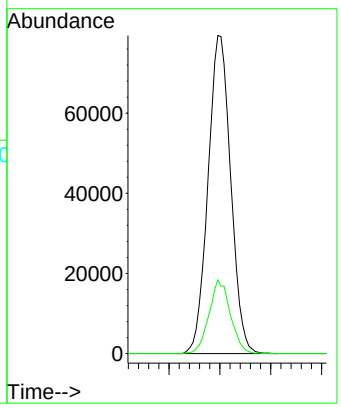
Supervised By :Semsettin Yesilyurt 12/27/2024

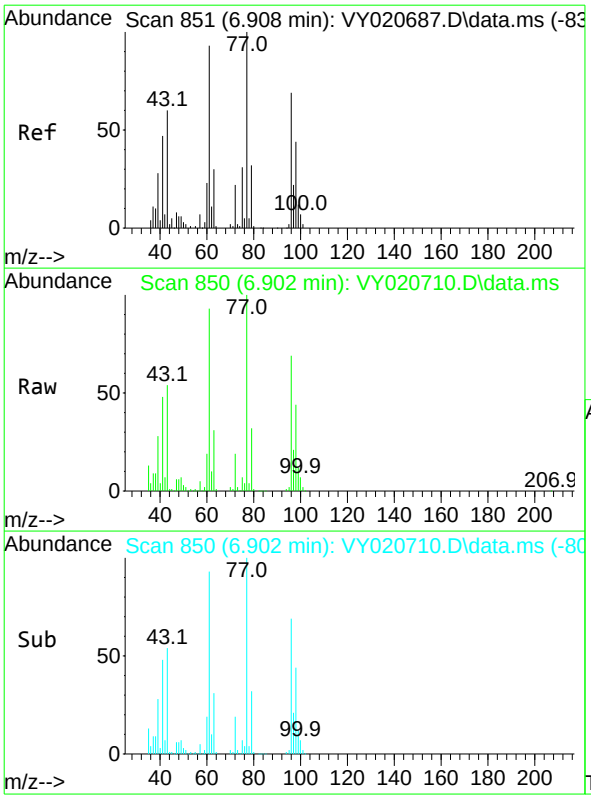


#26
2,2-Dichloropropane
Concen: 143.362 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 77 Resp: 245949

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.8	32.4

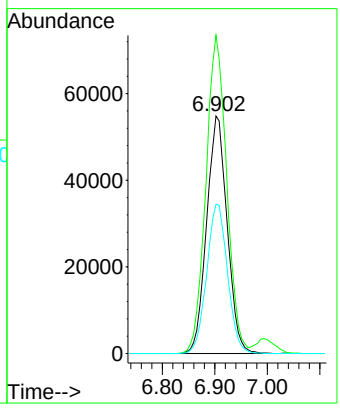




#27
cis-1,2-Dichloroethene
Concen: 146.943 ug/l
RT: 6.902 min Scan# 85
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 96 Resp: 149023

Ion	Ratio	Lower	Upper
96	100		
61	135.7	0.0	277.2
98	63.8	0.0	131.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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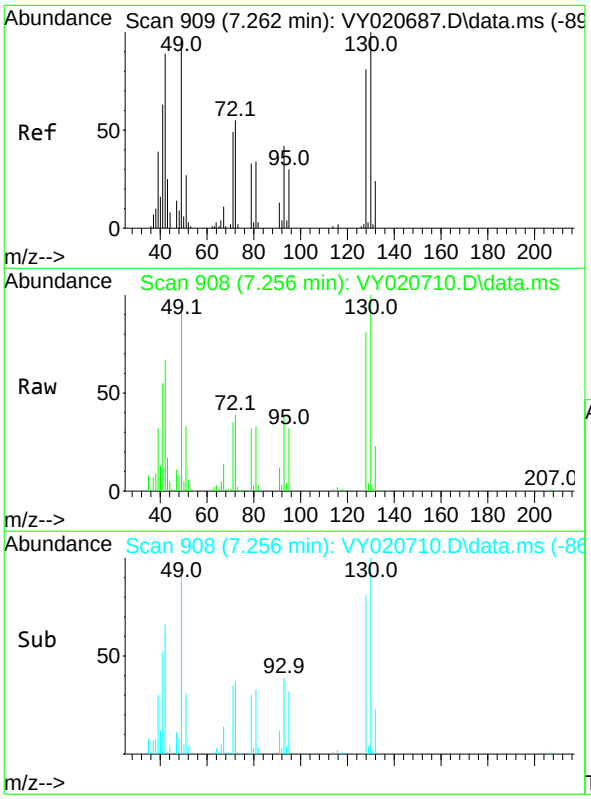
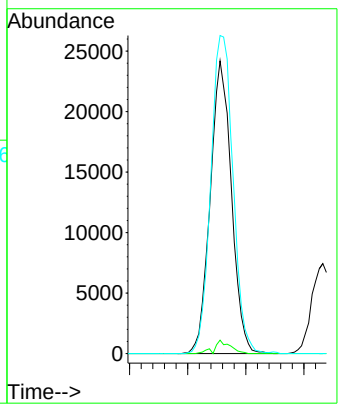
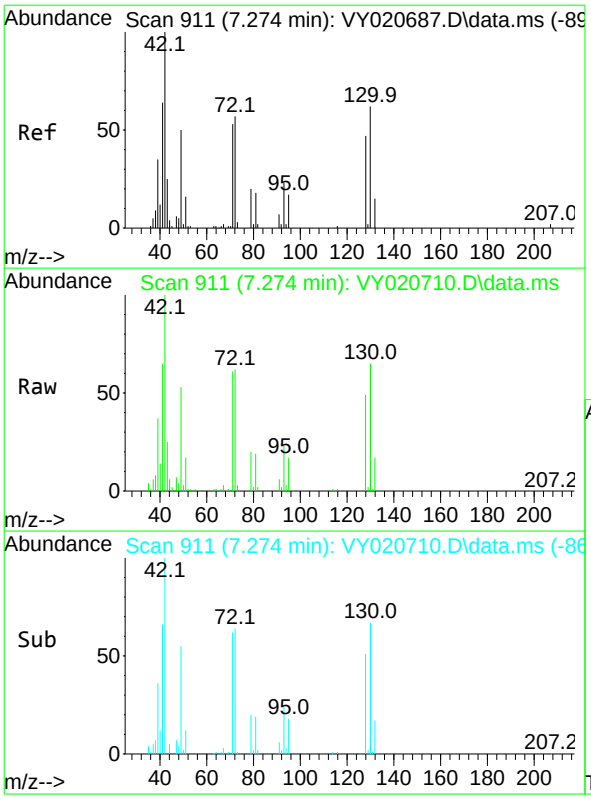


#28
Bromochloromethane
Concen: 165.629 ug/l
RT: 7.256 min Scan# 908
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 49 Resp: 61393

Ion	Ratio	Lower	Upper
49	100		
129	3.4	0.0	5.4
130	113.9	87.2	130.8

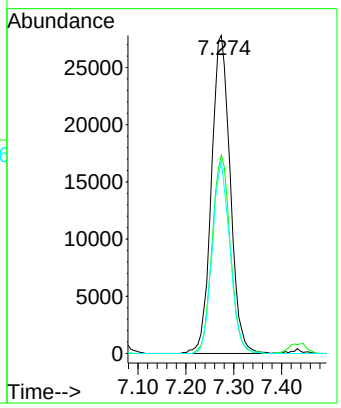




#29
Tetrahydrofuran
Concen: 764.431 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 42 Resp: 75734

Ion	Ratio	Lower	Upper
42	100		
72	60.4	47.4	71.0
71	57.1	42.8	64.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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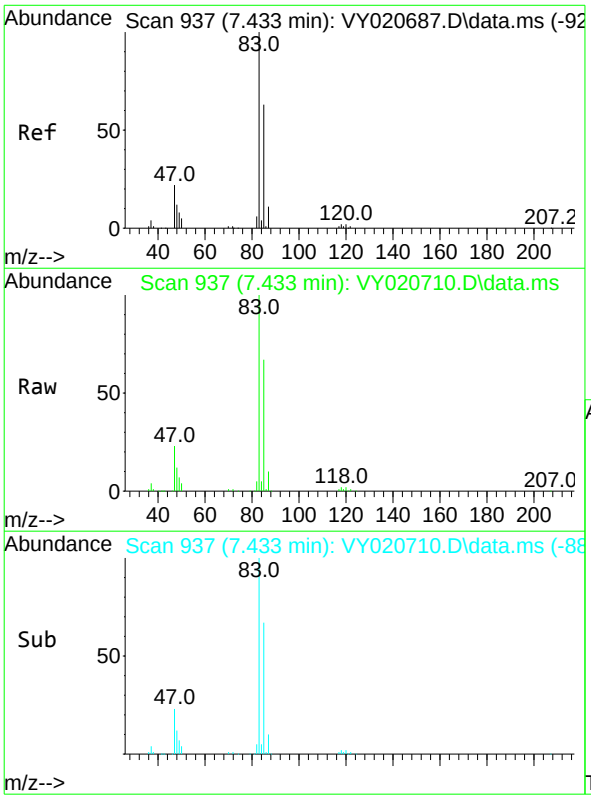
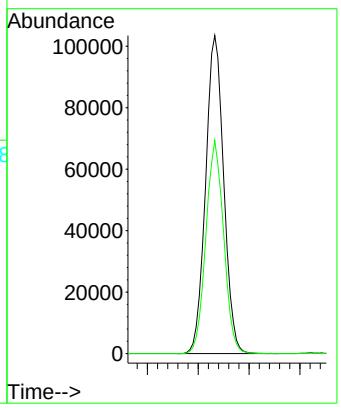
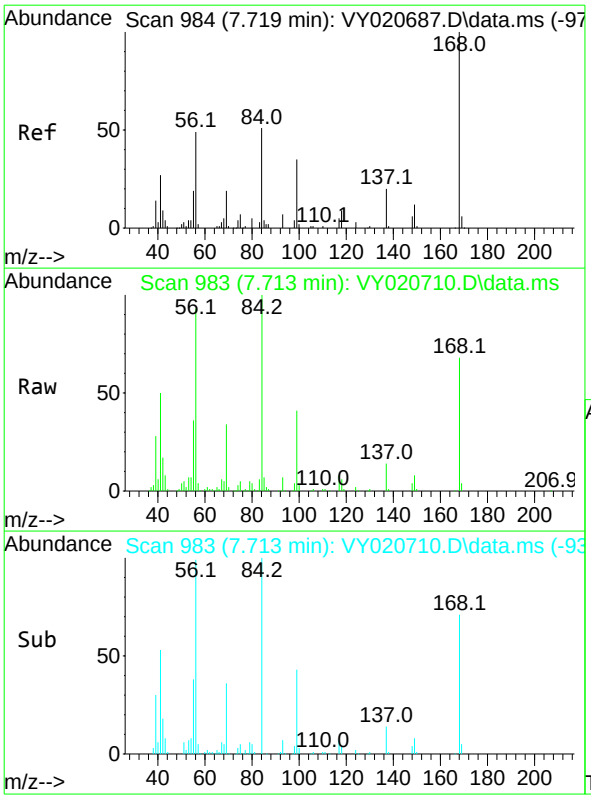


#30
Chloroform
Concen: 141.892 ug/l
RT: 7.433 min Scan# 937
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 83 Resp: 255843

Ion	Ratio	Lower	Upper
83	100		
85	67.0	50.2	75.2

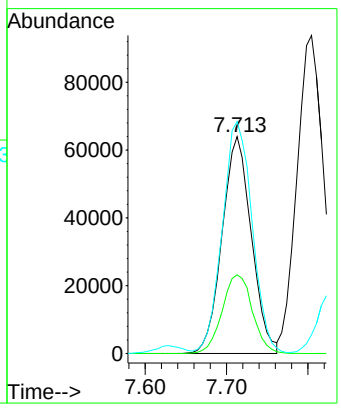




#31
Cyclohexane
Concen: 131.985 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 56 Resp: 159686

Ion	Ratio	Lower	Upper
56	100		
69	36.3	31.3	46.9
84	104.4	83.9	125.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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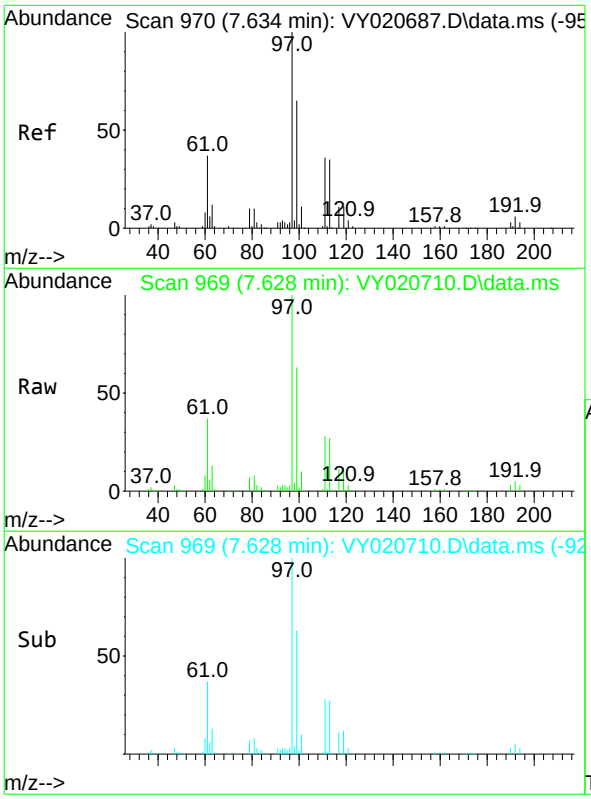
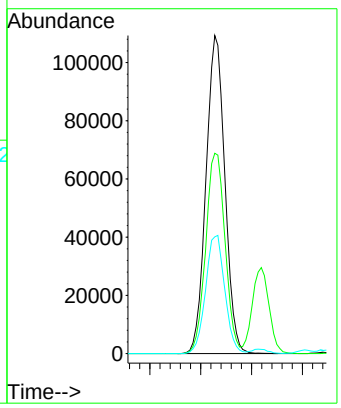
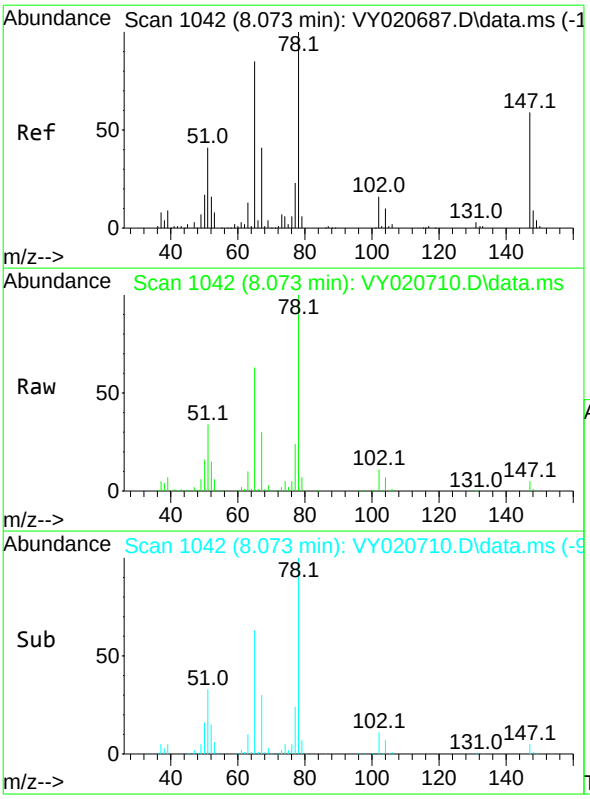


#32
1,1,1-Trichloroethane
Concen: 145.661 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 97 Resp: 281529

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.6
61	37.8	30.0	45.0





#33
1,2-Dichloroethane-d4
Concen: 158.772 ug/l
RT: 8.073 min Scan# 10
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 65 Resp: 149540

Ion	Ratio	Lower	Upper
65	100		
67	48.3	0.0	98.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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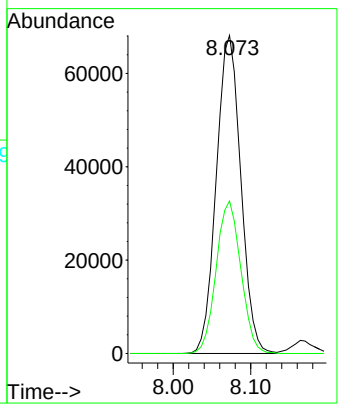
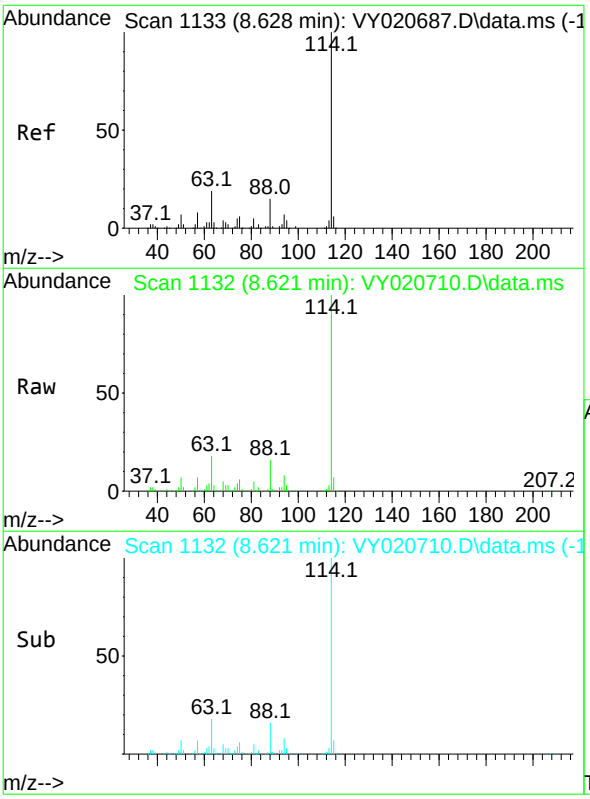
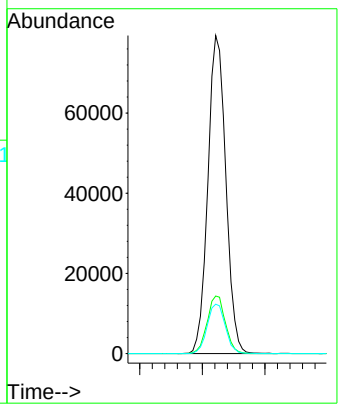


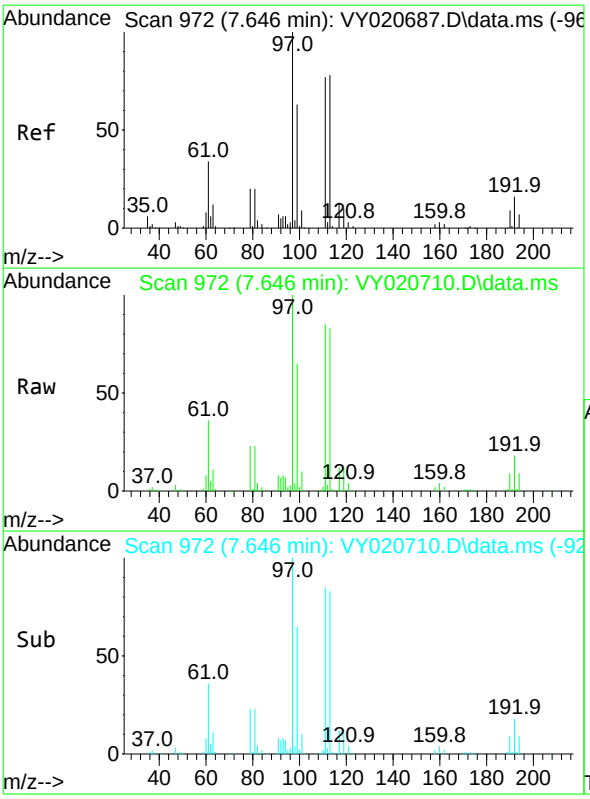


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 1132
Delta R.T. -0.007 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:114 Resp: 158039

Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	38.4
88	15.5	0.0	30.4

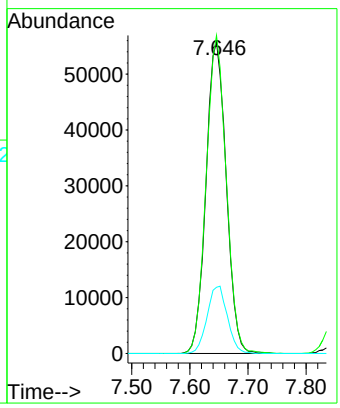




#35
Dibromofluoromethane
Concen: 154.819 ug/l
RT: 7.646 min Scan# 97
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:113 Resp: 134770

Ion	Ratio	Lower	Upper
113	100		
111	101.0	79.8	119.8
192	21.7	17.0	25.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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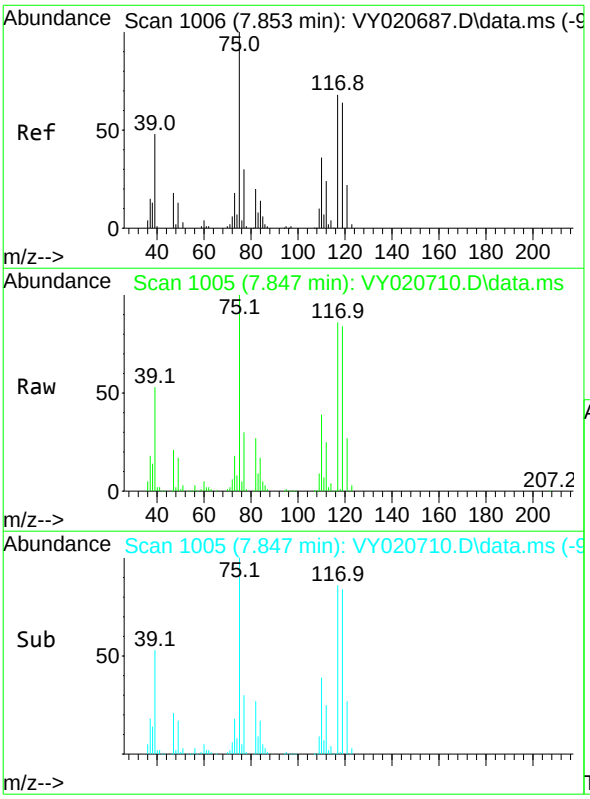
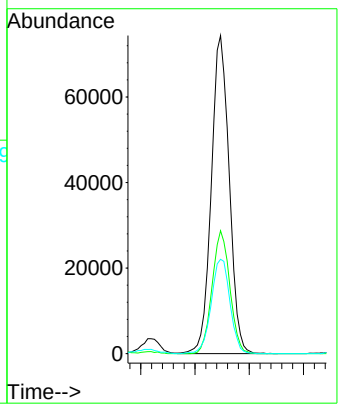
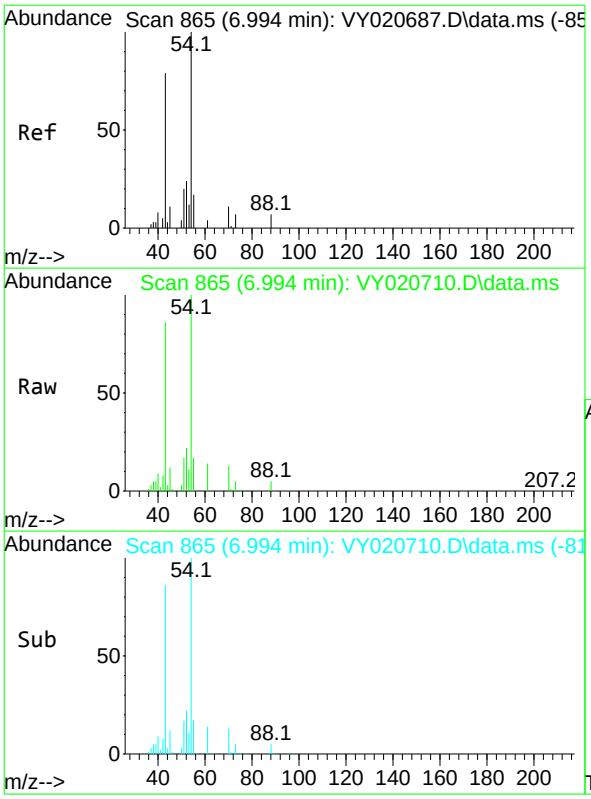


#36
1,1-Dichloropropene
Concen: 148.123 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 75 Resp: 170324

Ion	Ratio	Lower	Upper
75	100		
110	38.2	19.6	58.7
77	31.1	25.1	37.7





#37
Ethyl Acetate
Concen: 153.750 ug/l
RT: 6.994 min Scan# 86
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 43 Resp: 58258

Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.7	17.5
70	13.8	11.0	16.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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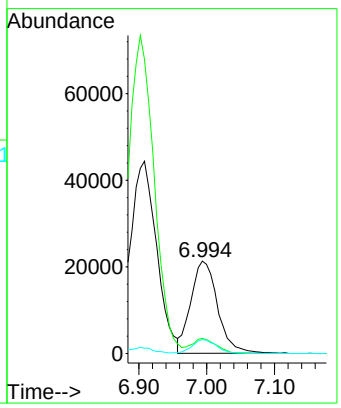
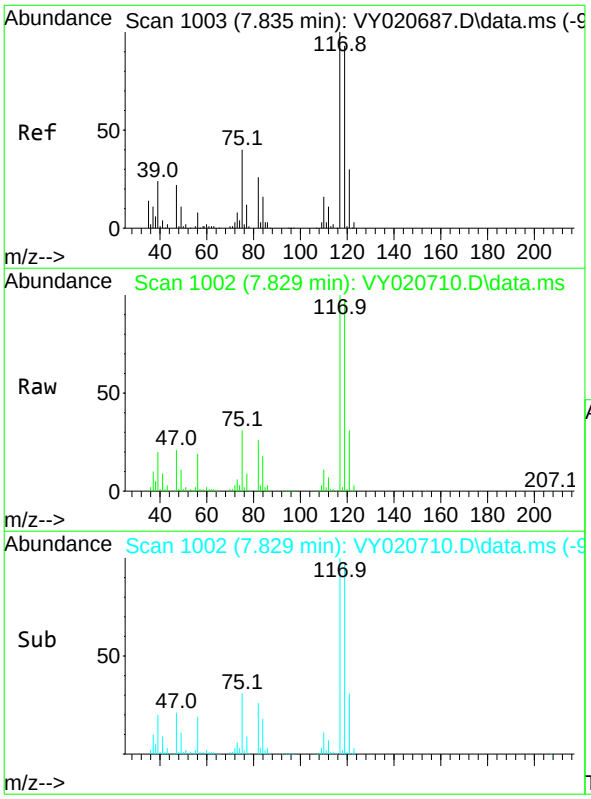
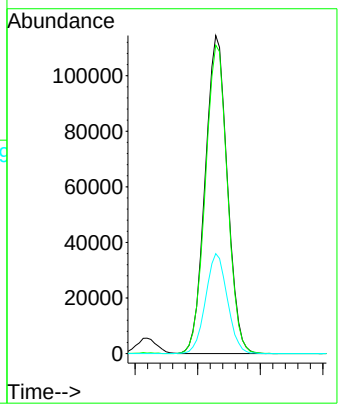


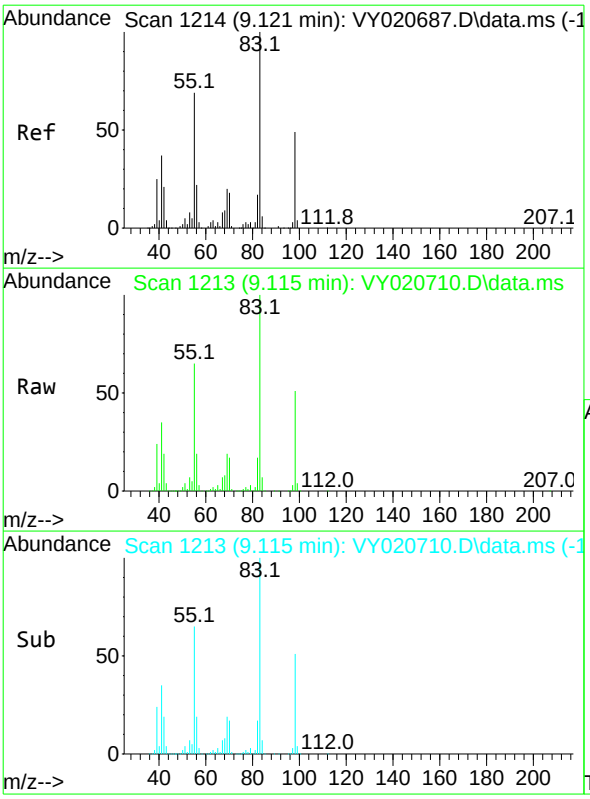


#38
Carbon Tetrachloride
Concen: 148.522 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:117 Resp: 281225

Ion	Ratio	Lower	Upper
117	100		
119	97.0	74.4	111.6
121	31.4	24.2	36.2





#39
Methylcyclohexane
Concen: 150.669 ug/l
RT: 9.115 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 222062

Ion	Ratio	Lower	Upper
83	100		
55	65.0	55.0	82.4
98	51.1	39.0	58.6

Manual Integrations
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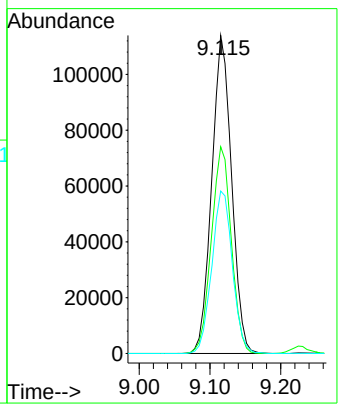
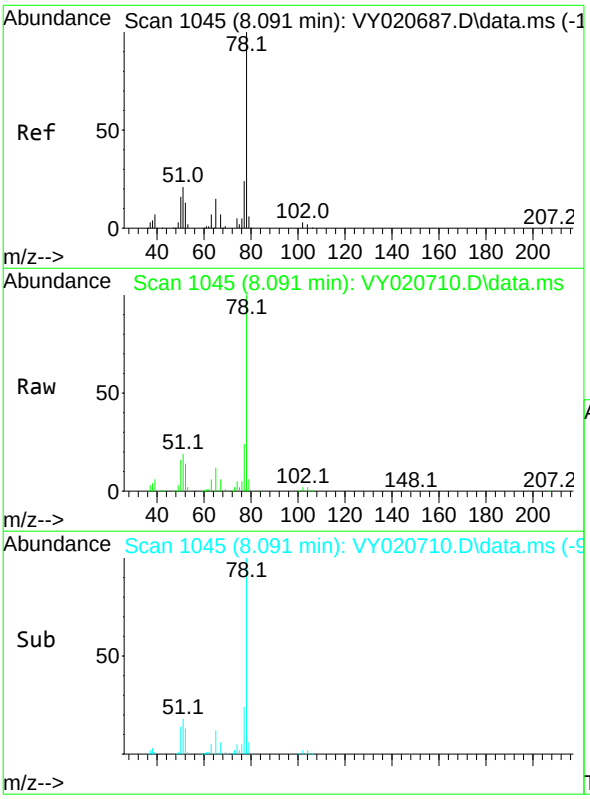
Supervised By :Semsettin Yesilyurt 12/27/2024

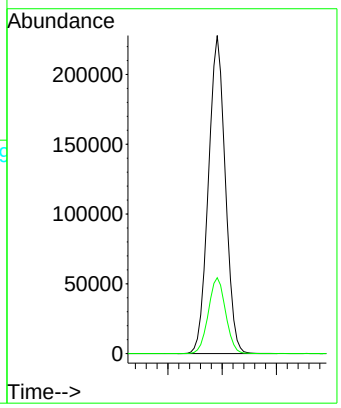


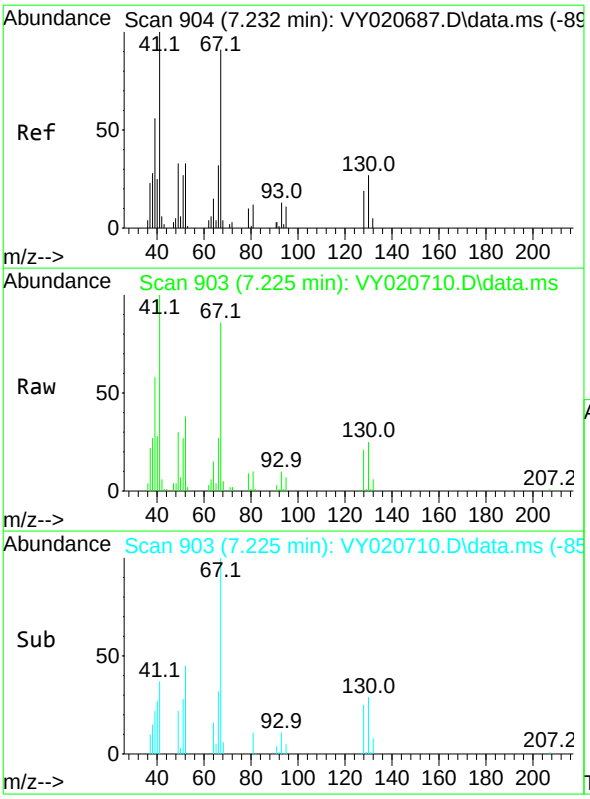


#40
Benzene
Concen: 148.061 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 78 Resp: 493419

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.2	28.8

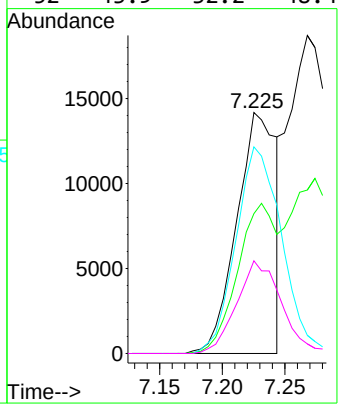




#41
Methacrylonitrile
Concen: 161.841 ug/l
RT: 7.225 min Scan# 90
Delta R.T. -0.007 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 41 Resp: 30977

Ion	Ratio	Lower	Upper
41	100		
39	60.5	46.6	70.0
67	100.3	74.7	112.1
52	43.9	32.2	48.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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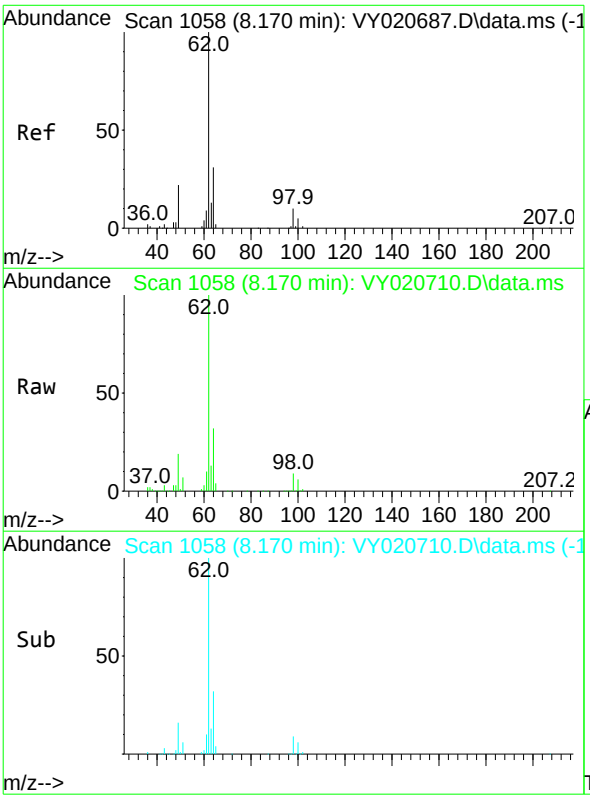
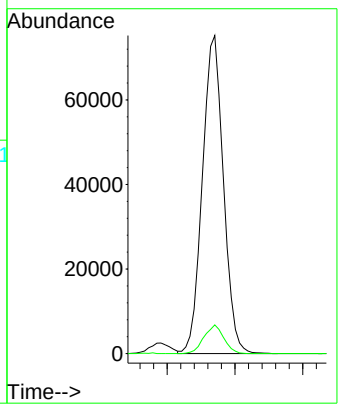
Supervised By :Semsettin Yesilyurt 12/27/2024

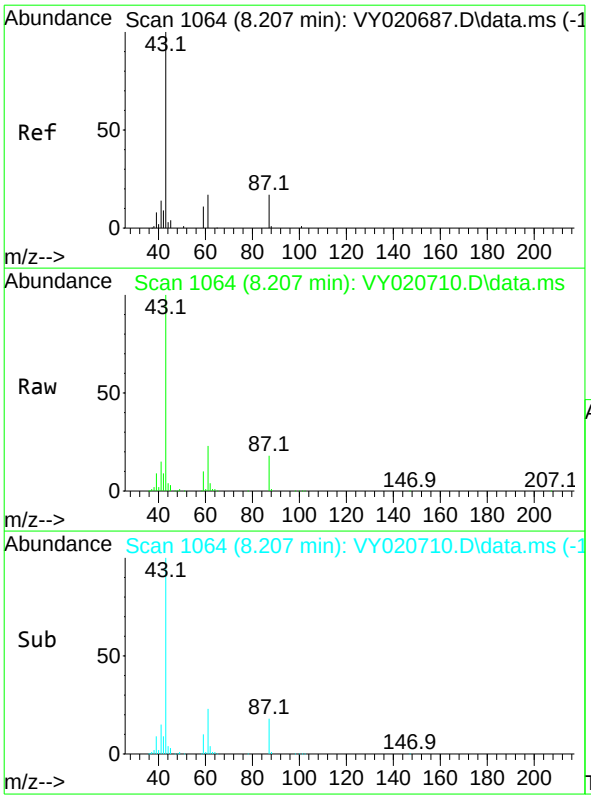


#42
1,2-Dichloroethane
Concen: 151.768 ug/l
RT: 8.170 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 62 Resp: 162177

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.6

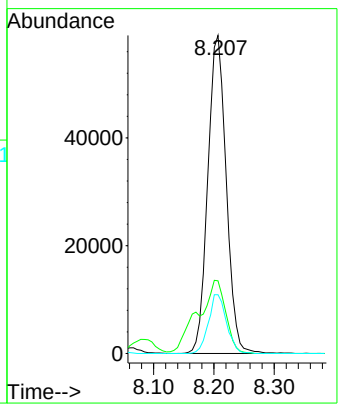




#43
Isopropyl Acetate
Concen: 155.741 ug/l
RT: 8.207 min Scan# 10
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 43 Resp: 125433

Ion	Ratio	Lower	Upper
43	100		
61	34.8	27.0	40.4
87	18.2	14.2	21.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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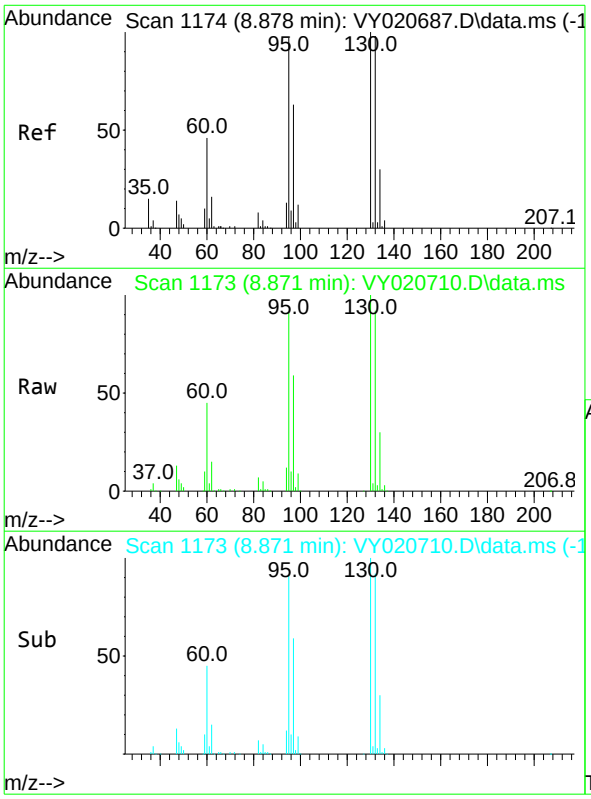
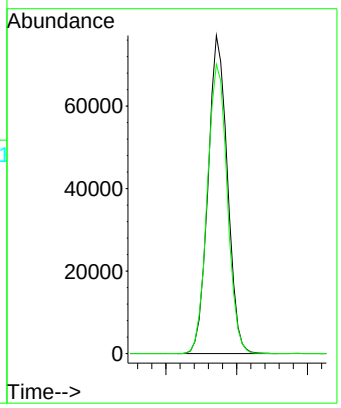
Supervised By :Semsettin Yesilyurt 12/27/2024

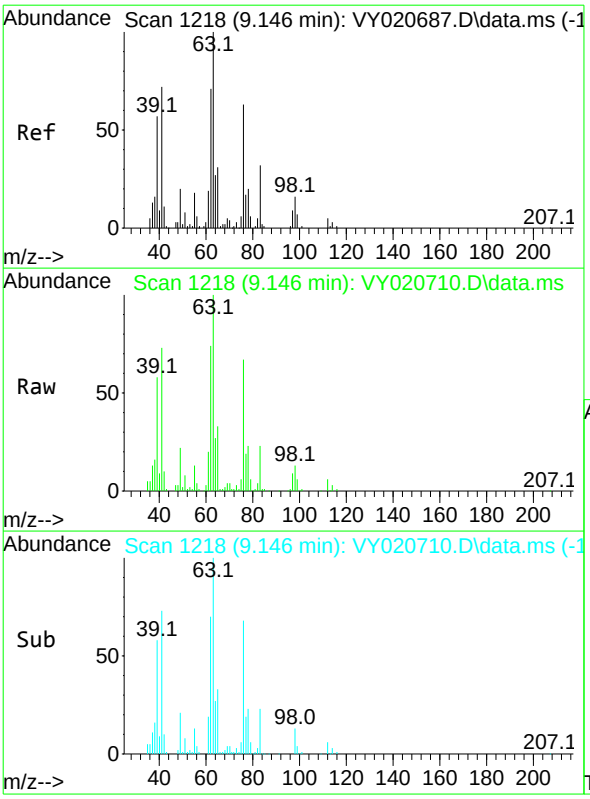


#44
Trichloroethene
Concen: 147.303 ug/l
RT: 8.871 min Scan# 1173
Delta R.T. -0.007 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:130 Resp: 146621

Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	194.8

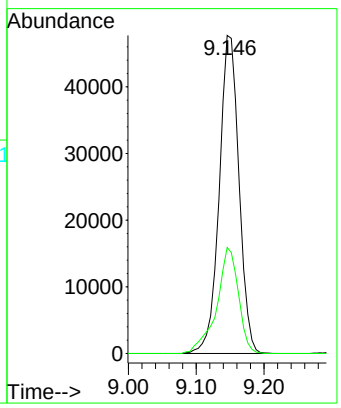




#45
1,2-Dichloropropane
Concen: 143.087 ug/l
RT: 9.146 min Scan# 12
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 63 Resp: 96524

Ion	Ratio	Lower	Upper
63	100		
65	33.3	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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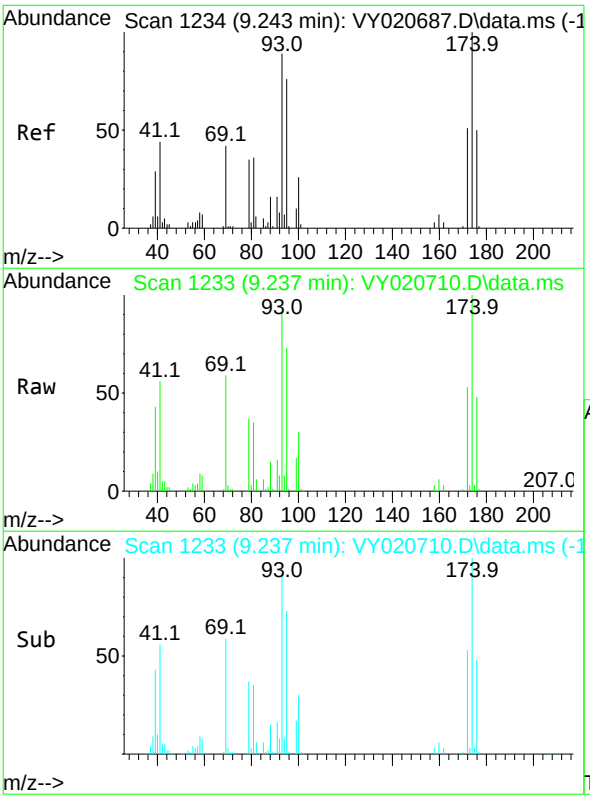
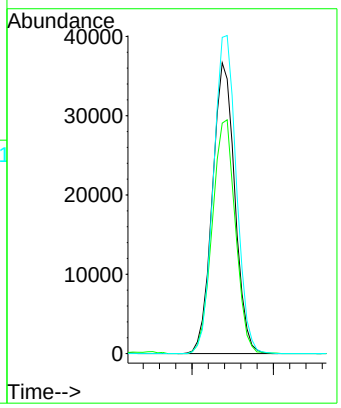
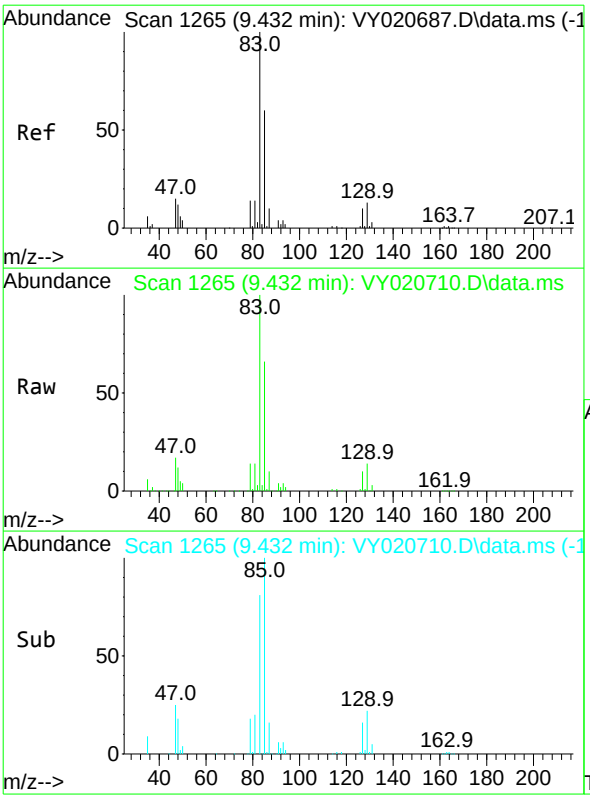


#46
Dibromomethane
Concen: 150.351 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 93 Resp: 70177

Ion	Ratio	Lower	Upper
93	100		
95	82.6	67.8	101.8
174	111.6	89.4	134.0

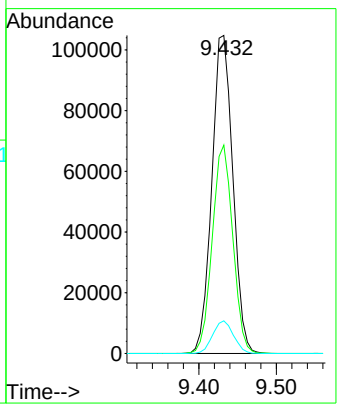




#47
Bromodichloromethane
Concen: 148.994 ug/l
RT: 9.432 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 83 Resp: 197163

Ion	Ratio	Lower	Upper
83	100		
85	65.5	47.6	71.4
127	10.3	7.9	11.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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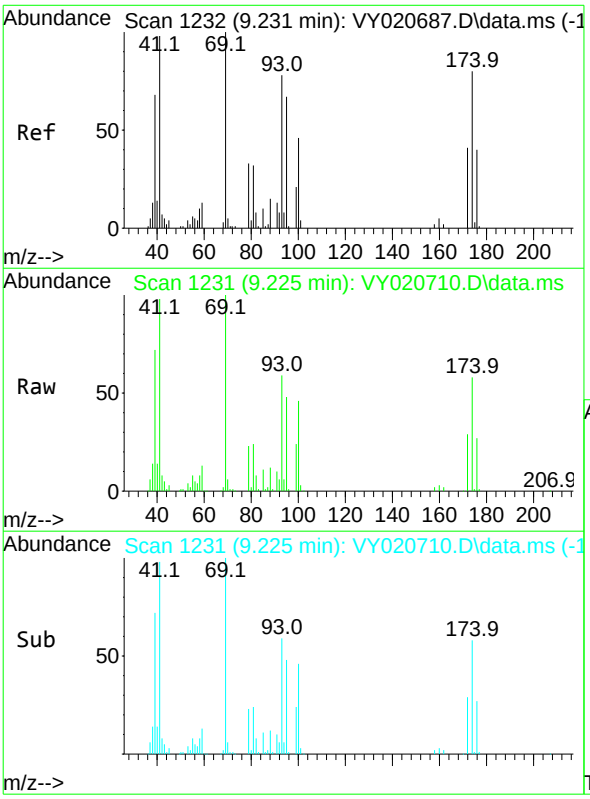
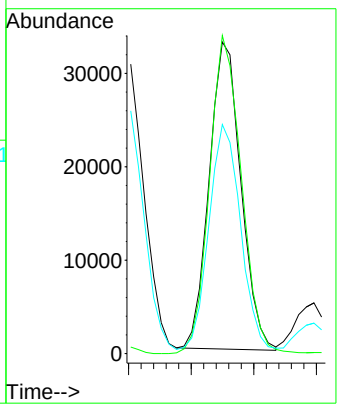
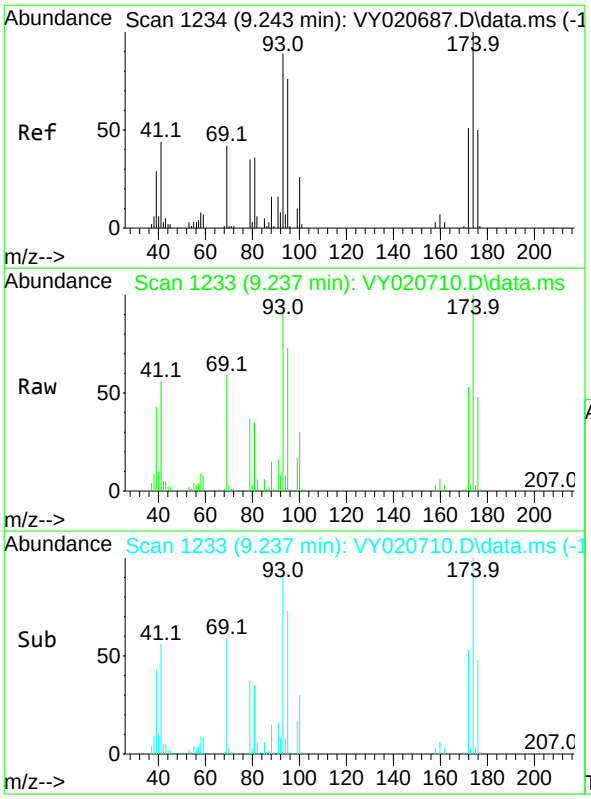


#48
Methyl methacrylate
Concen: 153.712 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 41 Resp: 57813

Ion	Ratio	Lower	Upper
41	100		
69	104.1	83.1	124.7
39	73.2	57.3	85.9

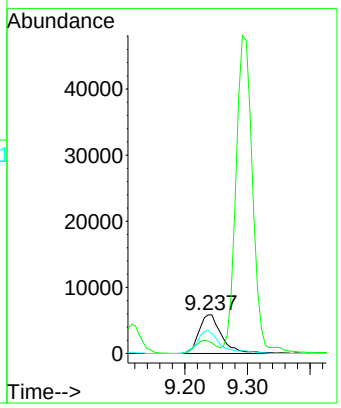




#49
1,4-Dioxane
Concen: 3331.078 ug/l
RT: 9.237 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 88 Resp: 14810

Ion	Ratio	Lower	Upper
88	100		
43	29.7	22.1	33.1
58	59.7	46.7	70.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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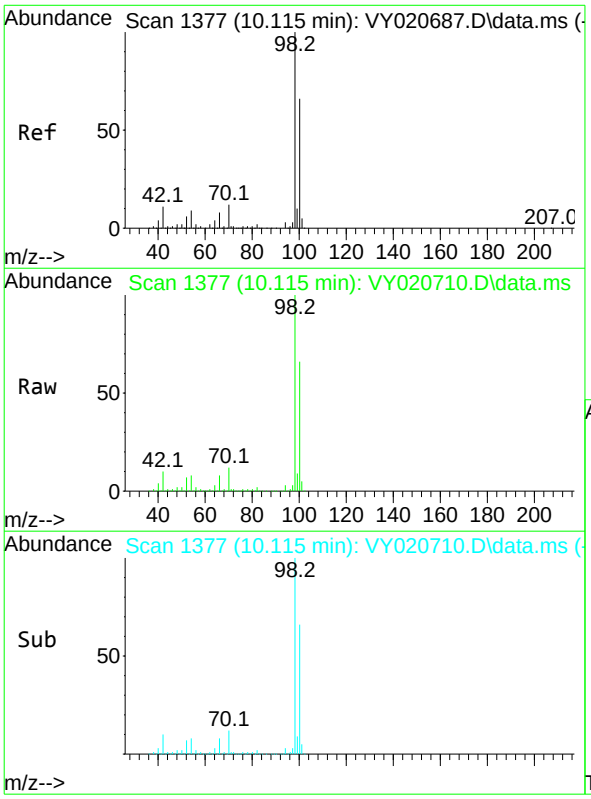
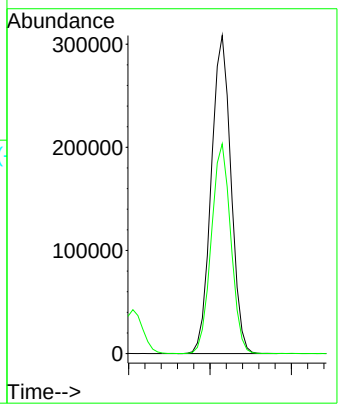
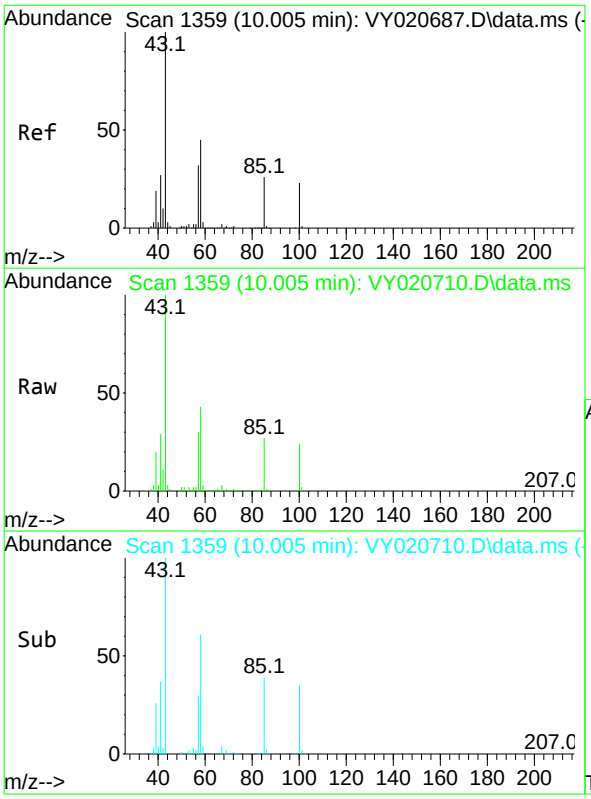


#50
Toluene-d8
Concen: 146.261 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 98 Resp: 518209

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.2	78.4

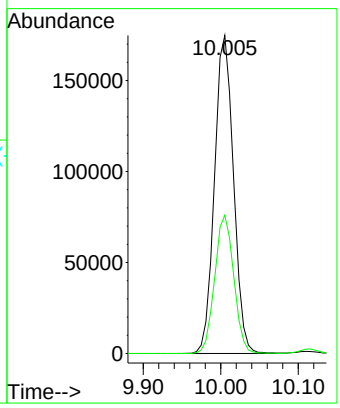




#51
4-Methyl-2-Pentanone
Concen: 766.010 ug/l
RT: 10.005 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 43 Resp: 297779

Ion	Ratio	Lower	Upper
43	100		
58	43.6	35.1	52.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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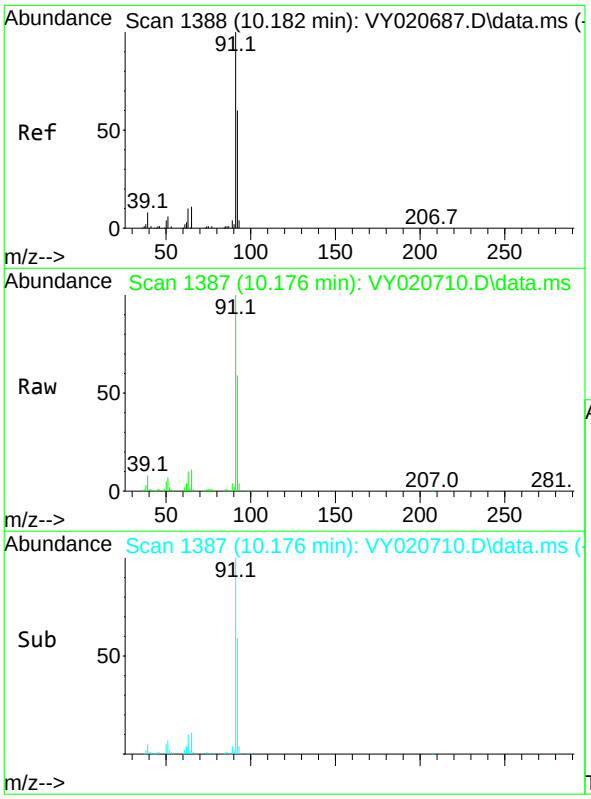
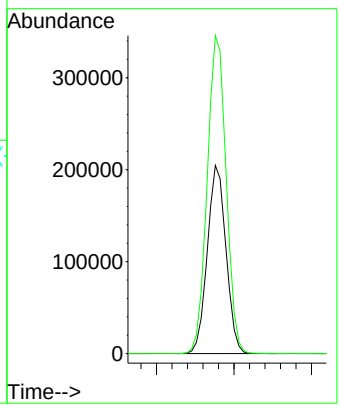
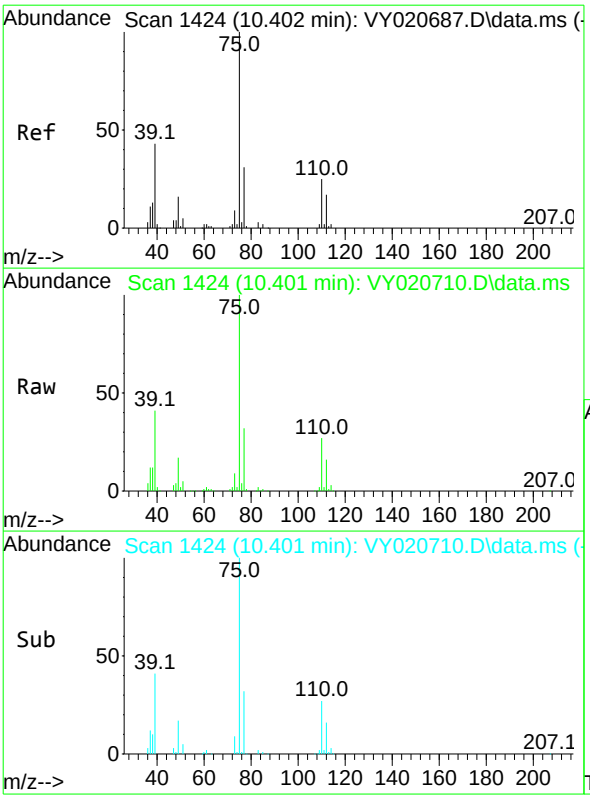


#52
Toluene
Concen: 149.994 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 92 Resp: 342599

Ion	Ratio	Lower	Upper
92	100		
91	171.6	137.7	206.5

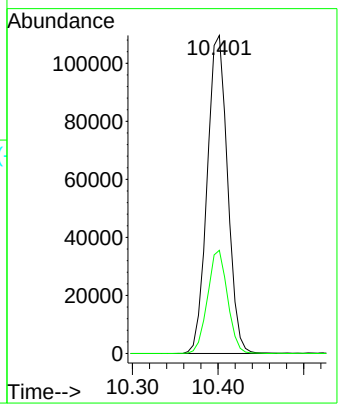




#53
t-1,3-Dichloropropene
Concen: 155.696 ug/l
RT: 10.401 min Scan# 14
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 75 Resp: 180957

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.1	37.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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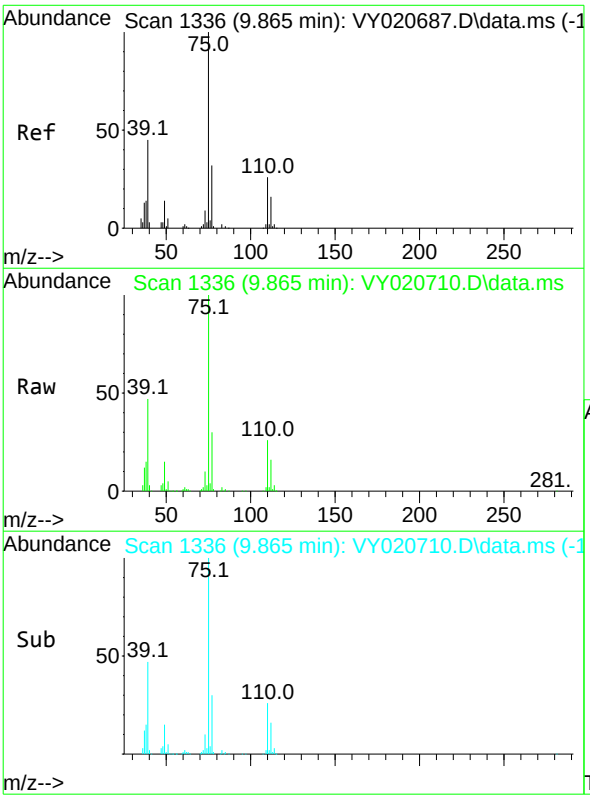
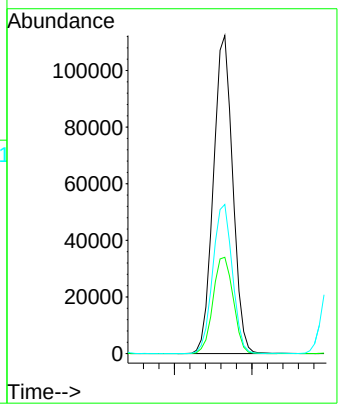
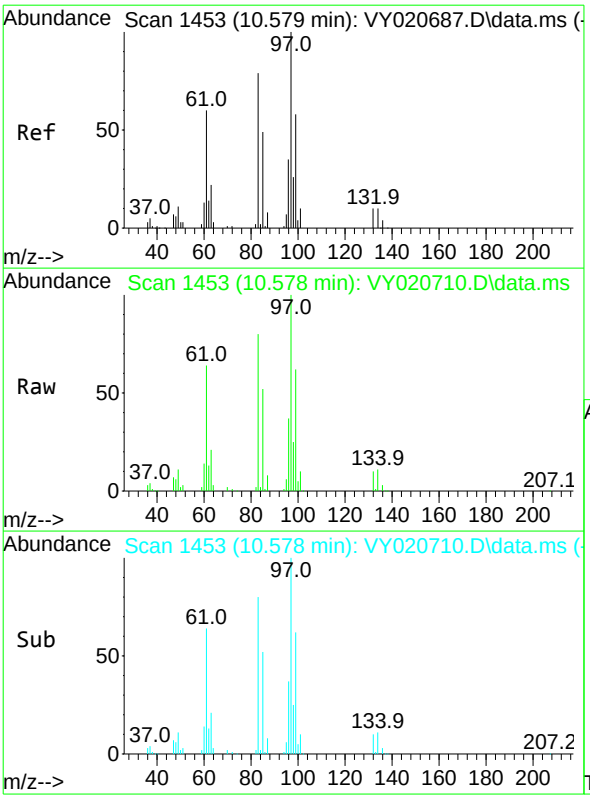


#54
cis-1,3-Dichloropropene
Concen: 152.747 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 75 Resp: 194591

Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.6	38.4
39	46.9	36.2	54.2

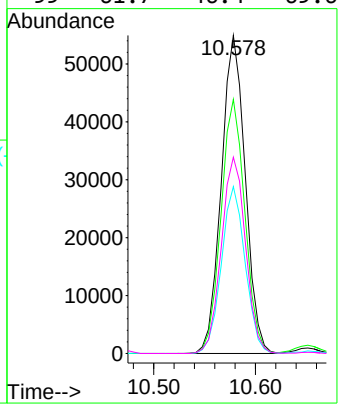




#55
1,1,2-Trichloroethane
Concen: 150.745 ug/l
RT: 10.578 min Scan# 14
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 97 Resp: 89814

Ion	Ratio	Lower	Upper
97	100		
83	79.9	63.1	94.7
85	52.5	39.5	59.3
99	61.7	46.4	69.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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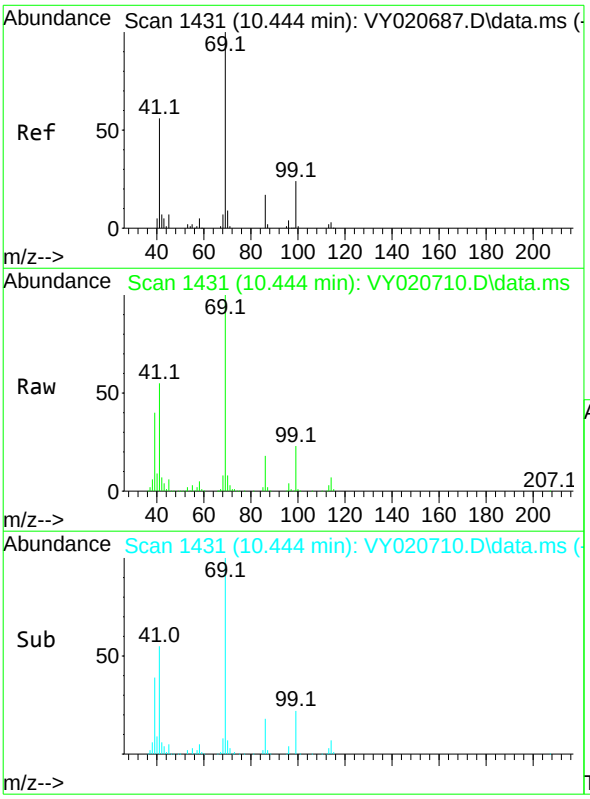
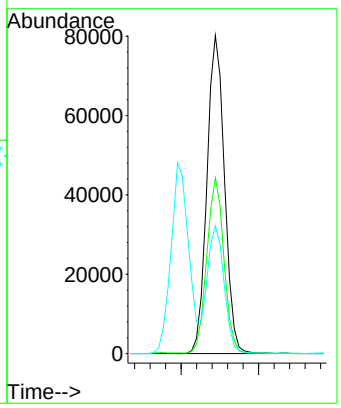
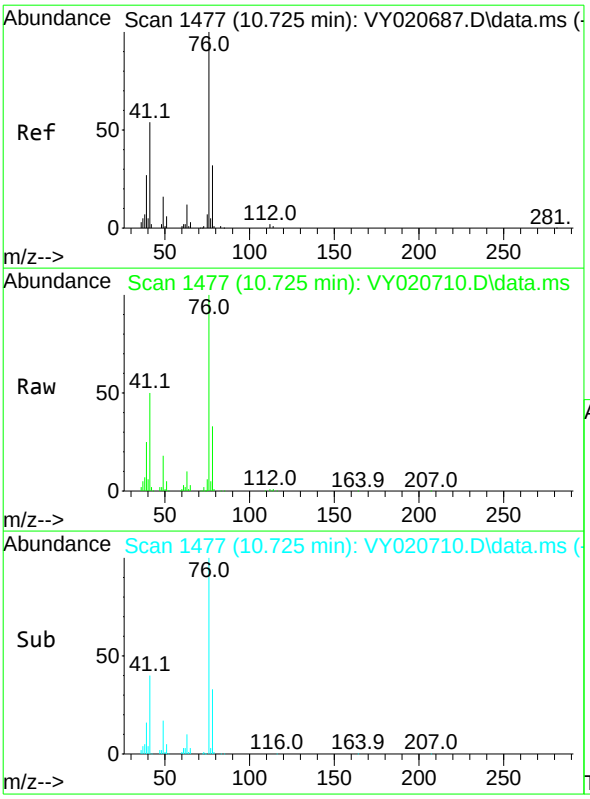


#56
Ethyl methacrylate
Concen: 160.965 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 69 Resp: 125990

Ion	Ratio	Lower	Upper
69	100		
41	54.1	43.8	65.6
39	39.9	32.0	48.0

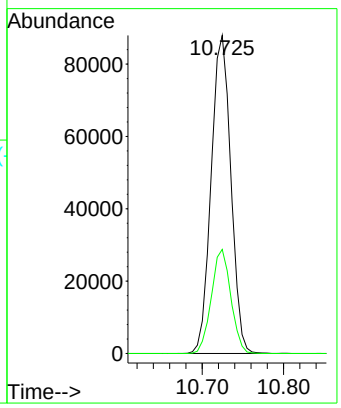




#57
1,3-Dichloropropane
Concen: 152.813 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 76 Resp: 147770

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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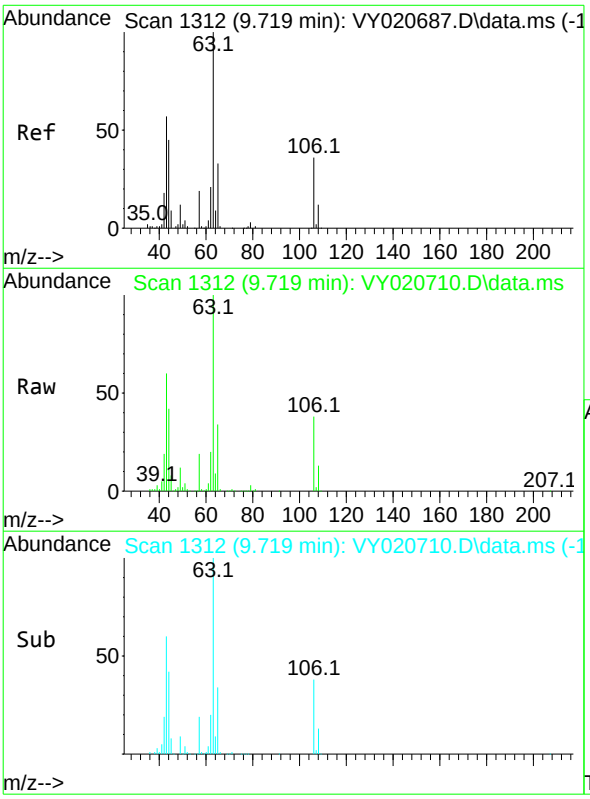
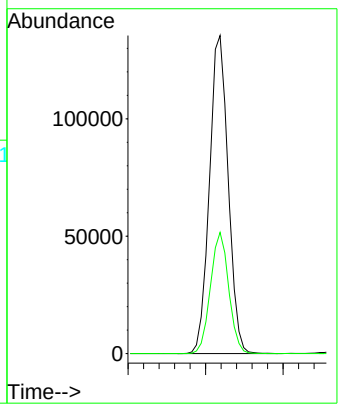
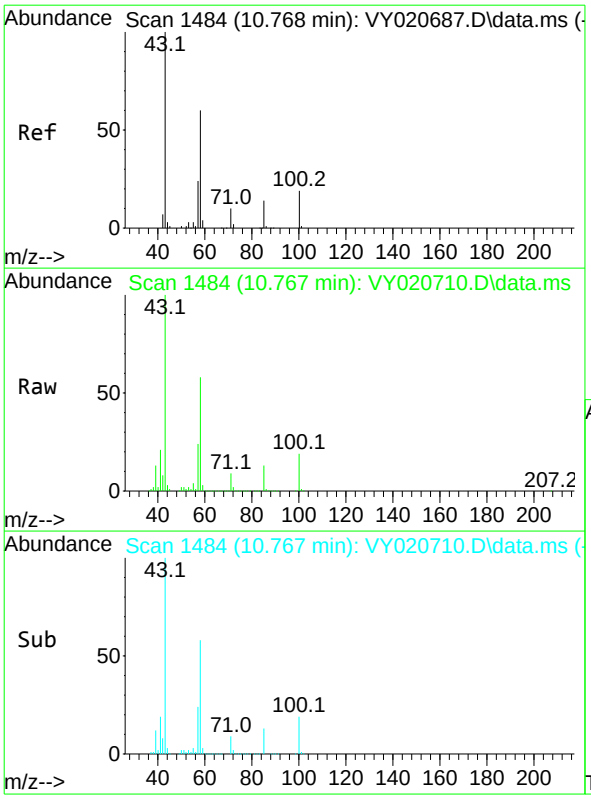


#58
2-Chloroethyl Vinyl ether
Concen: 833.052 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 63 Resp: 227376

Ion	Ratio	Lower	Upper
63	100		
106	37.1	29.1	43.7





#59
2-Hexanone
Concen: 801.023 ug/l
RT: 10.767 min Scan# 14
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 43 Resp: 205596

Ion	Ratio	Lower	Upper
43	100		
58	59.2	30.1	90.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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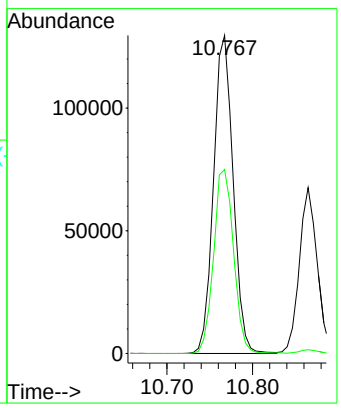
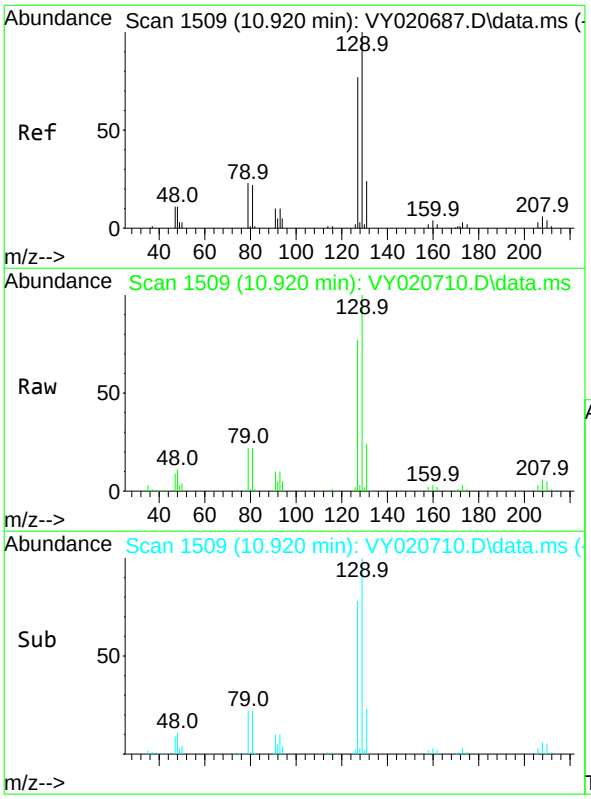
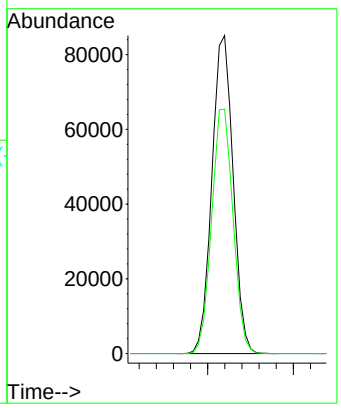


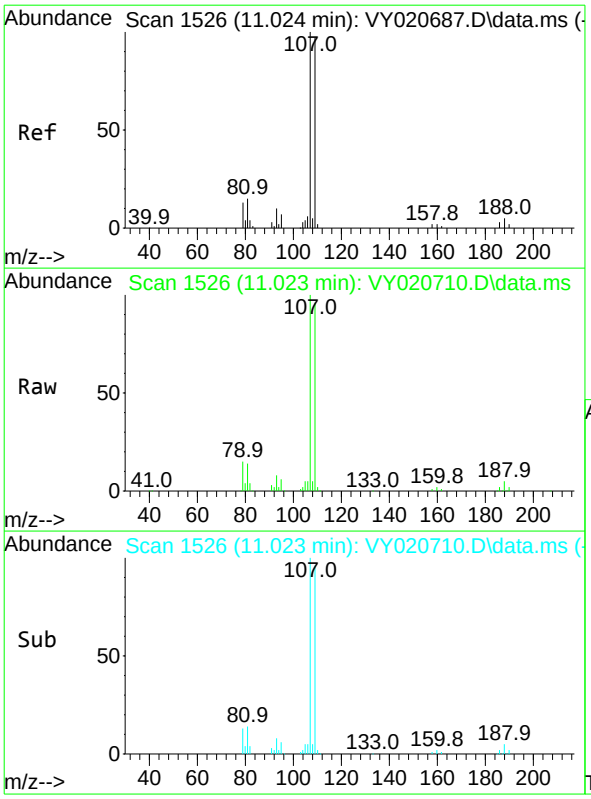


#60
Dibromochloromethane
Concen: 152.023 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:129 Resp: 146356

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.5	115.5





#61
1,2-Dibromoethane
Concen: 155.511 ug/l
RT: 11.023 min Scan# 15
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:107 Resp: 87182

Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.5	113.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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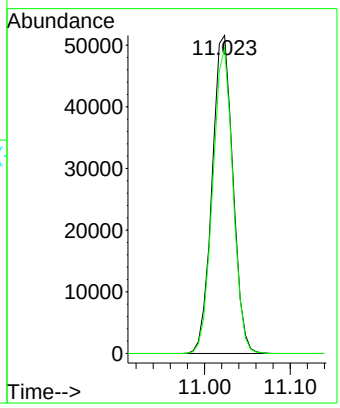
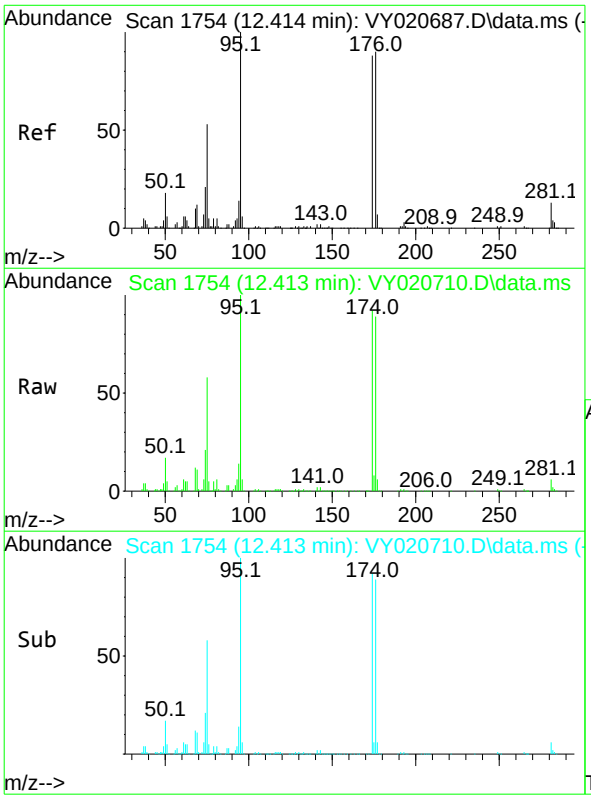
Supervised By :Semsettin Yesilyurt 12/27/2024

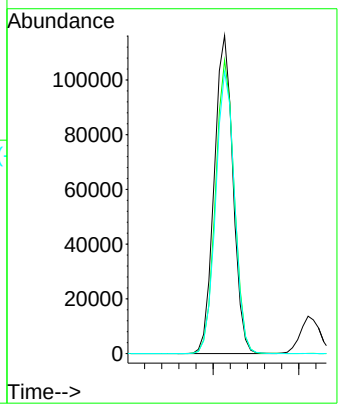


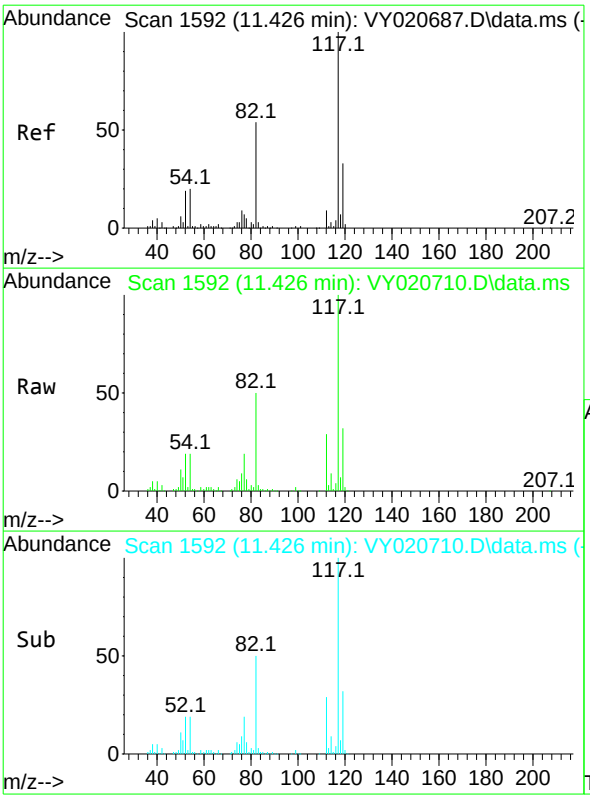


#62
4-Bromofluorobenzene
Concen: 152.741 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 95 Resp: 176701

Ion	Ratio	Lower	Upper
95	100		
174	92.3	0.0	179.2
176	89.0	0.0	179.8

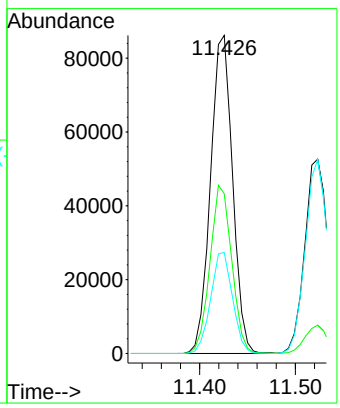




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:117 Resp: 137996

Ion	Ratio	Lower	Upper
117	100		
82	50.2	43.4	65.2
119	31.8	26.6	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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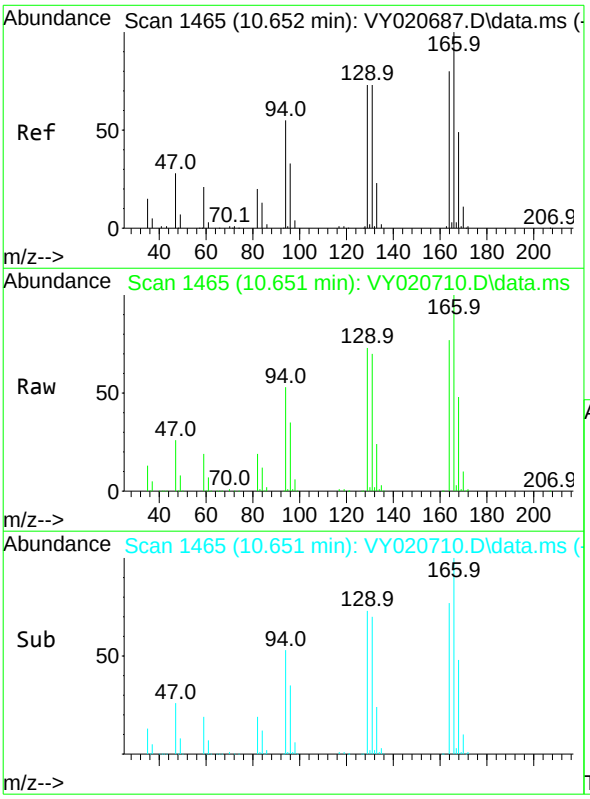
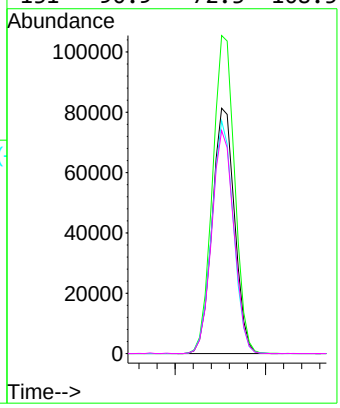
Supervised By :Semsettin Yesilyurt 12/27/2024

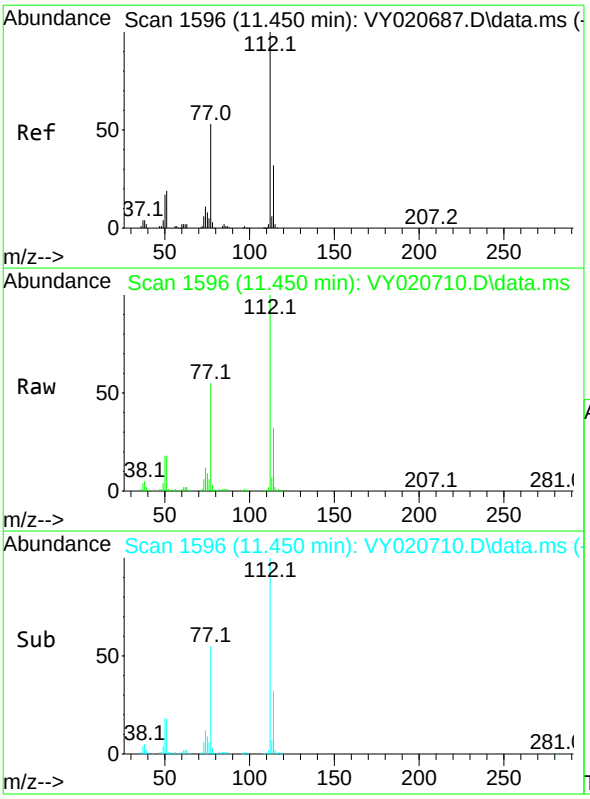


#64
Tetrachloroethene
Concen: 147.787 ug/l
RT: 10.651 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:164 Resp: 139334

Ion	Ratio	Lower	Upper
164	100		
166	129.6	99.6	149.4
129	94.8	73.0	109.4
131	90.9	72.3	108.5

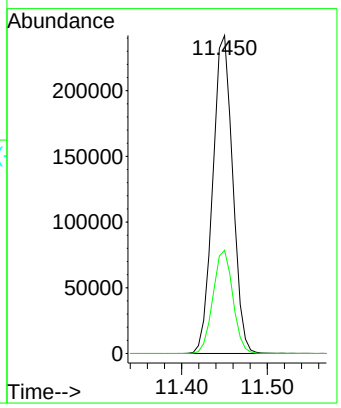




#65
Chlorobenzene
Concen: 144.451 ug/l
RT: 11.450 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:112 Resp: 390317

Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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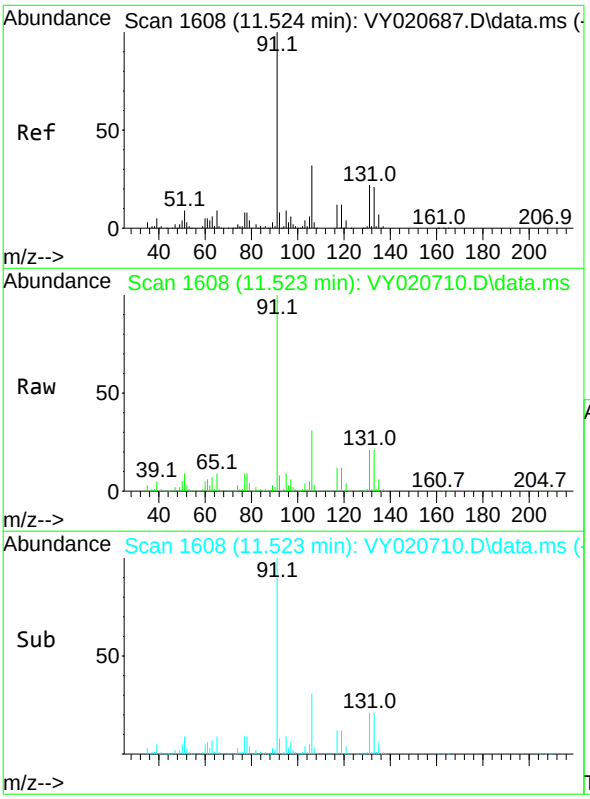
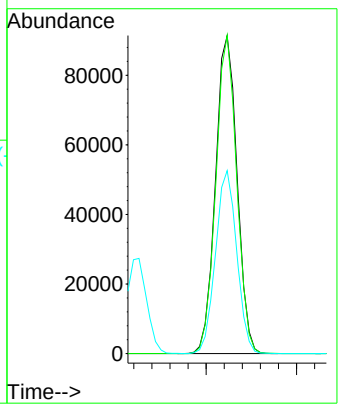
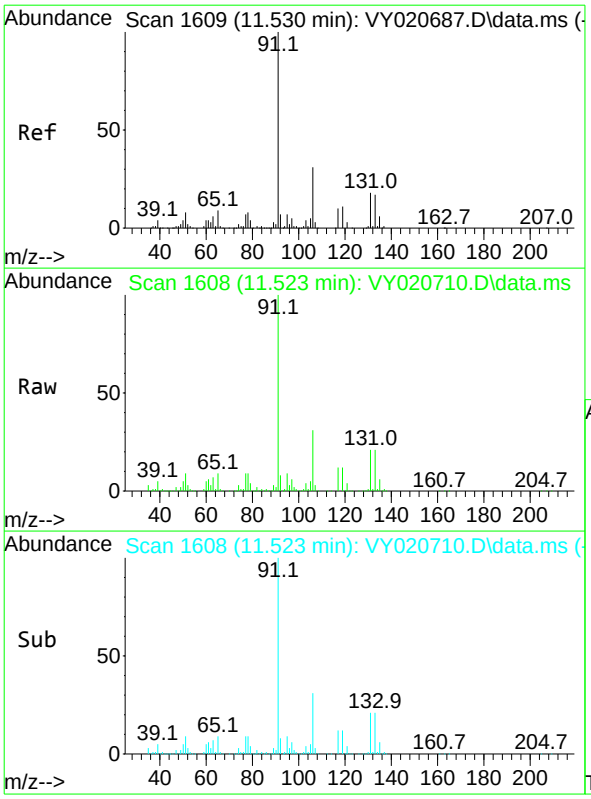


#66
1,1,1,2-Tetrachloroethane
Concen: 144.626 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:131 Resp: 151401

Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.6	145.9
119	56.7	28.4	85.3

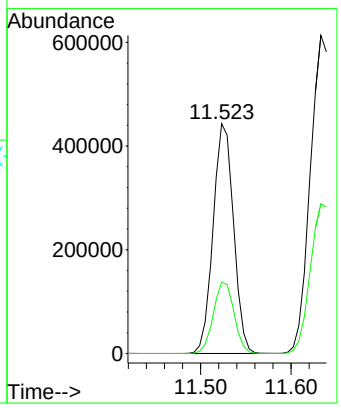




#67
Ethyl Benzene
Concen: 147.444 ug/l
RT: 11.523 min Scan# 16
Delta R.T. -0.007 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 91 Resp: 696321

Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.5	36.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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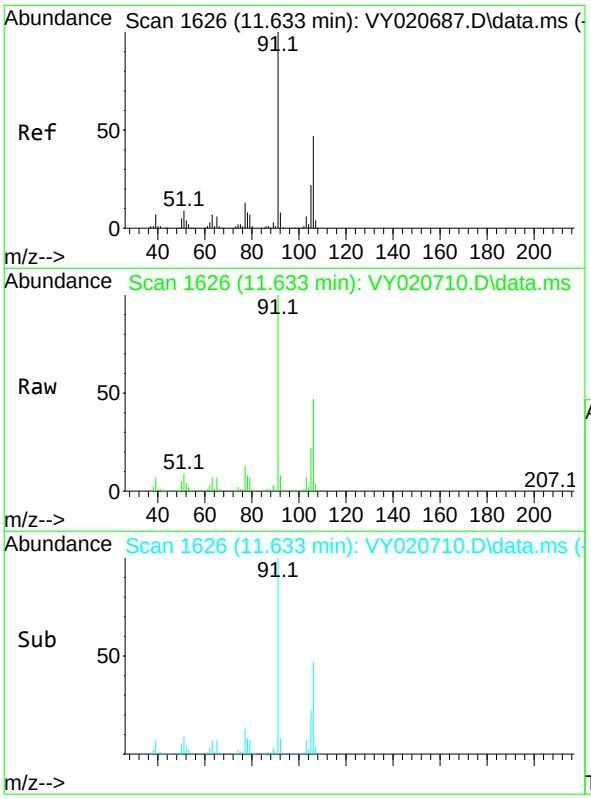
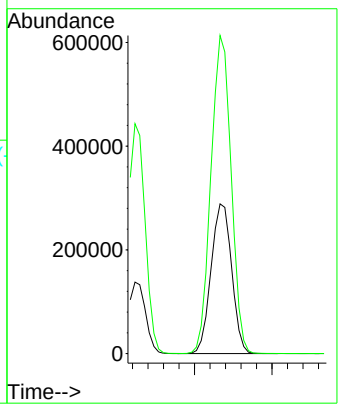
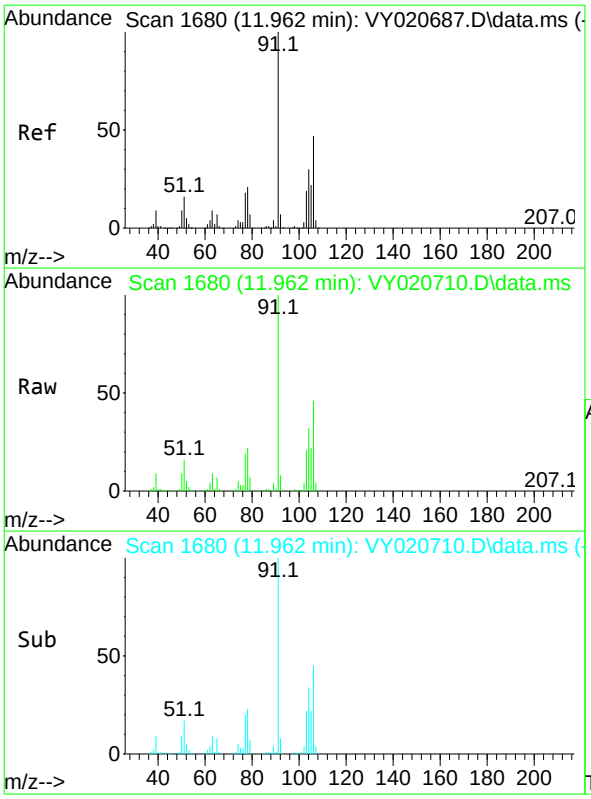


#68
m/p-Xylenes
Concen: 295.699 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:106 Resp: 532697

Ion	Ratio	Lower	Upper
106	100		
91	208.1	166.6	250.0

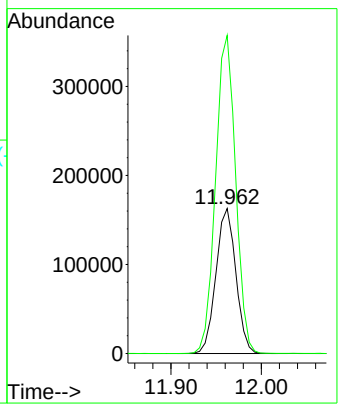




#69
o-Xylene
Concen: 145.003 ug/l
RT: 11.962 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:106 Resp: 249576

Ion	Ratio	Lower	Upper
106	100		
91	220.3	108.6	325.8



Instrument :
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ClientSampleId :
VSTDICC150

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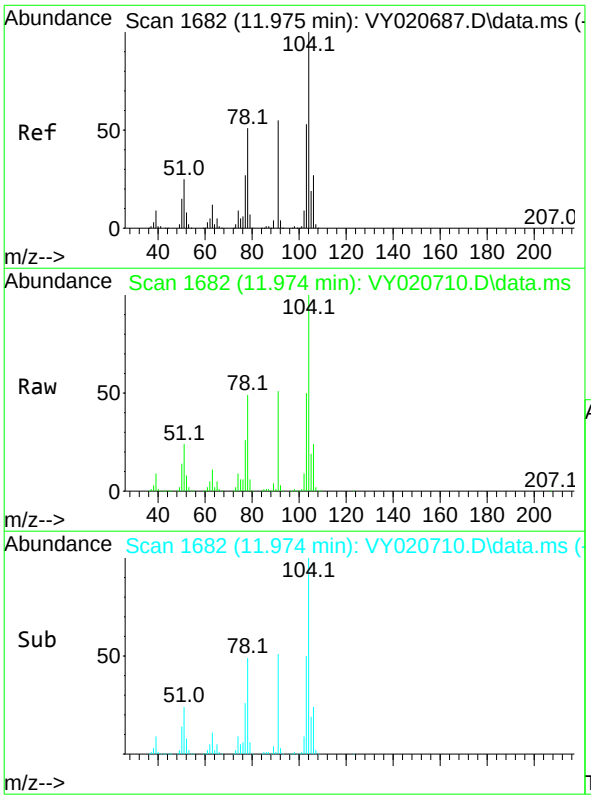
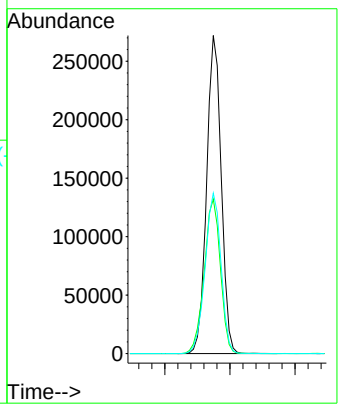
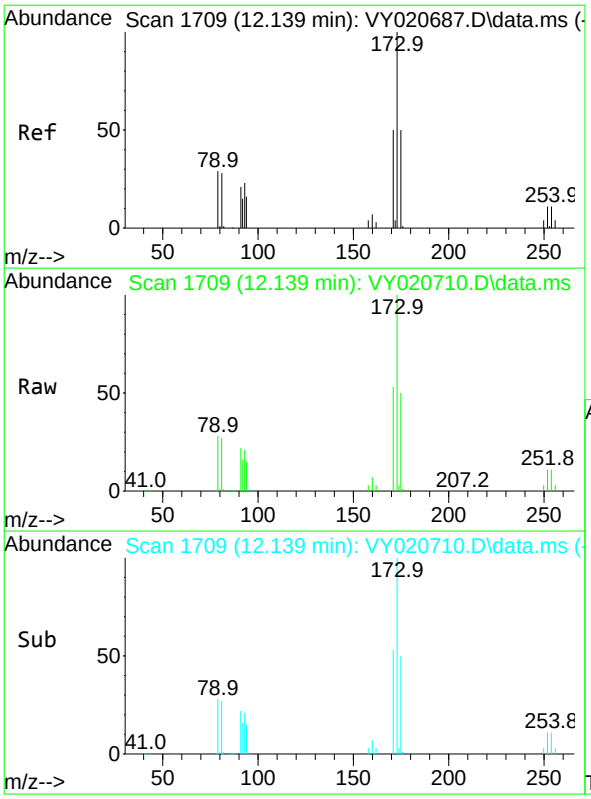


#70
Styrene
Concen: 146.372 ug/l
RT: 11.974 min Scan# 1682
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:104 Resp: 422920

Ion	Ratio	Lower	Upper
104	100		
78	53.9	43.0	64.4
103	55.1	44.4	66.6

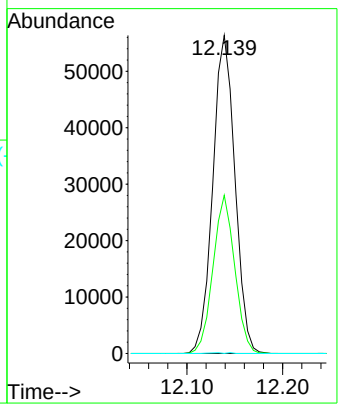




#71
Bromoform
Concen: 150.242 ug/l
RT: 12.139 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:173 Resp: 90423

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.2	72.6
254	0.2	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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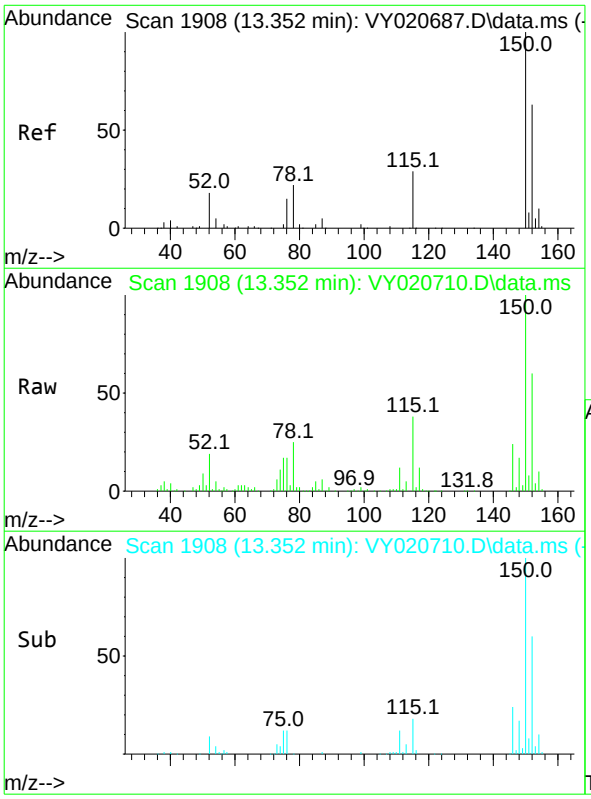
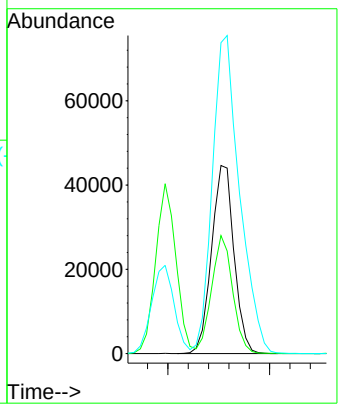
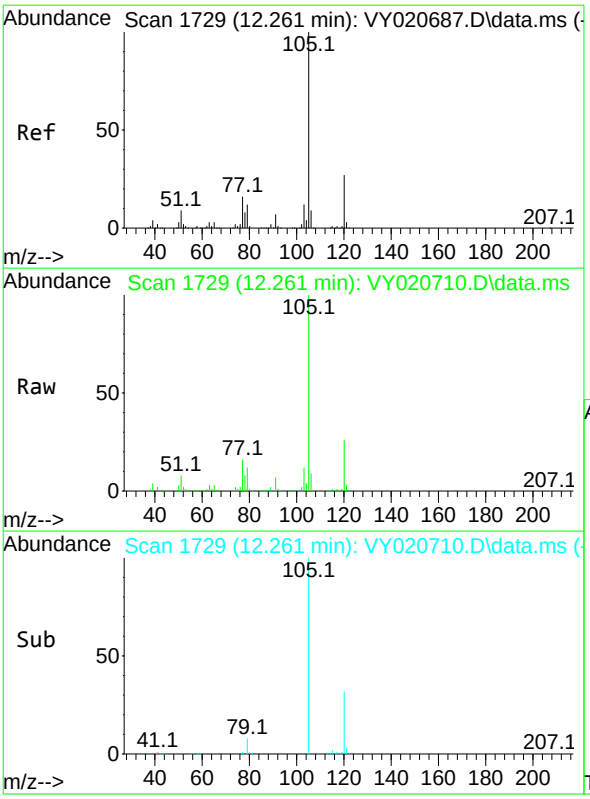


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:152 Resp: 68495

Ion	Ratio	Lower	Upper
152	100		
115	58.5	30.3	90.9
150	205.0	0.0	349.0

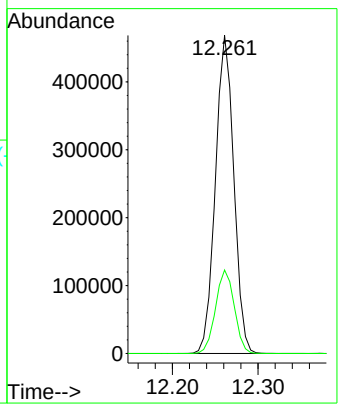




#73
Isopropylbenzene
Concen: 147.320 ug/l
RT: 12.261 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:105 Resp: 699104

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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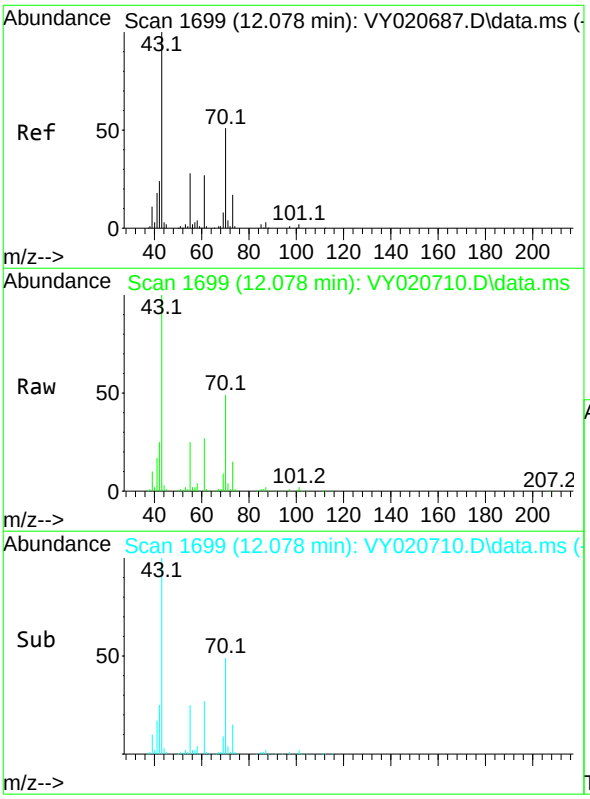
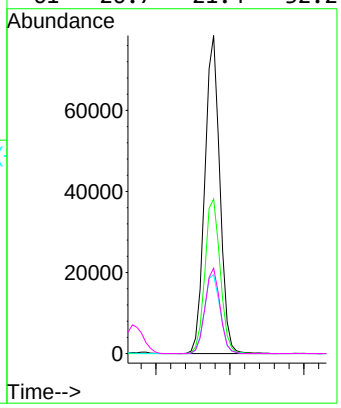
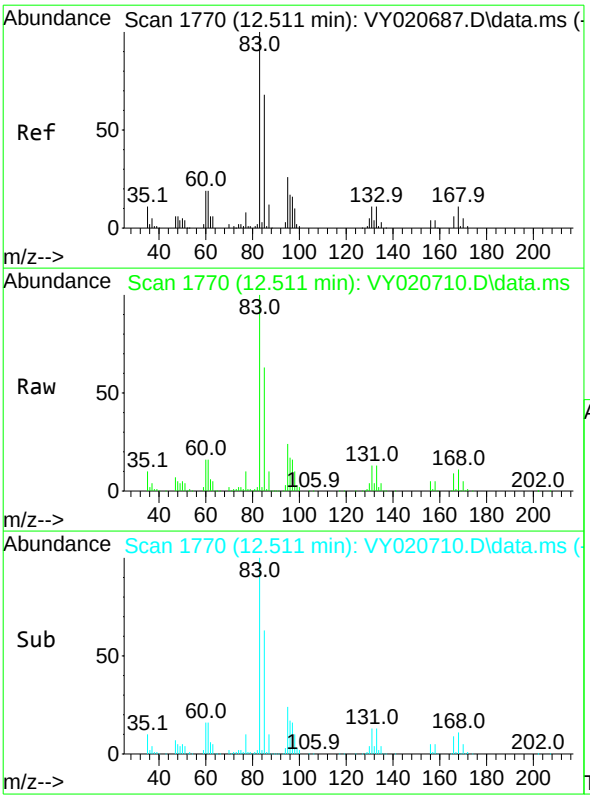


#74
N-amyl acetate
Concen: 164.040 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 43 Resp: 110622

Ion	Ratio	Lower	Upper
43	100		
70	49.4	39.7	59.5
55	25.9	21.5	32.3
61	26.7	21.4	32.2

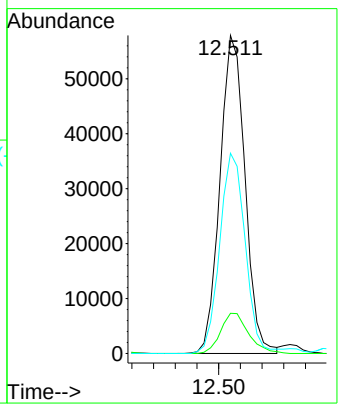




#75
1,1,2,2-Tetrachloroethane
Concen: 152.263 ug/l
RT: 12.511 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 83 Resp: 92629

Ion	Ratio	Lower	Upper
83	100		
131	14.2	6.9	20.7
85	64.0	32.5	97.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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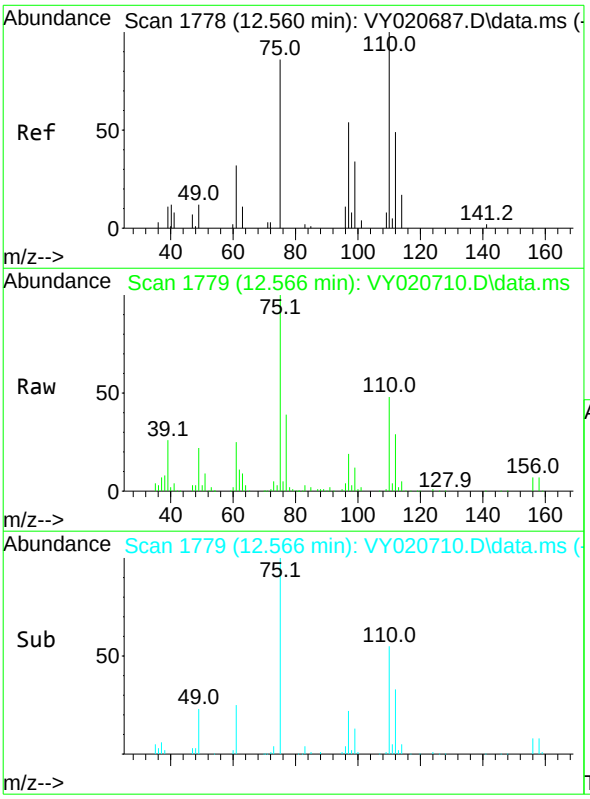
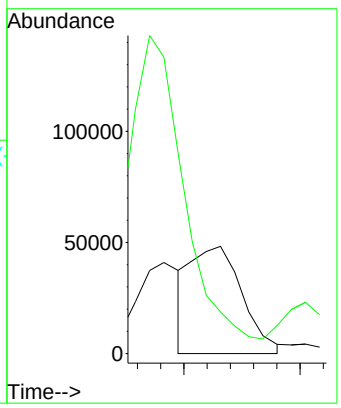
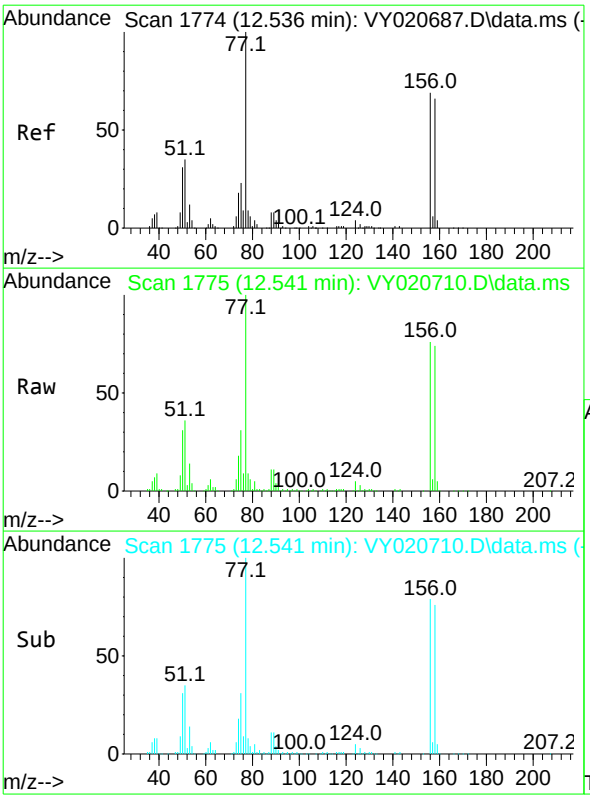


#76
1,2,3-Trichloropropane
Concen: 137.761 ug/l m
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 75 Resp: 74431

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 149.824 ug/l
RT: 12.541 min Scan# 17
Delta R.T. 0.005 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:156 Resp: 163665

Ion	Ratio	Lower	Upper
156	100		
77	153.7	78.3	235.0
158	97.6	48.3	144.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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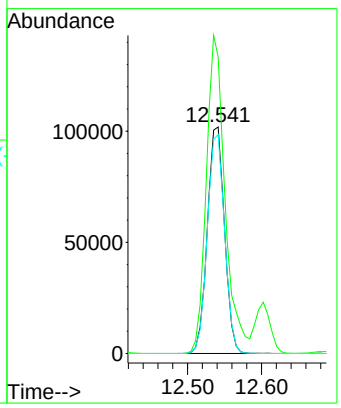
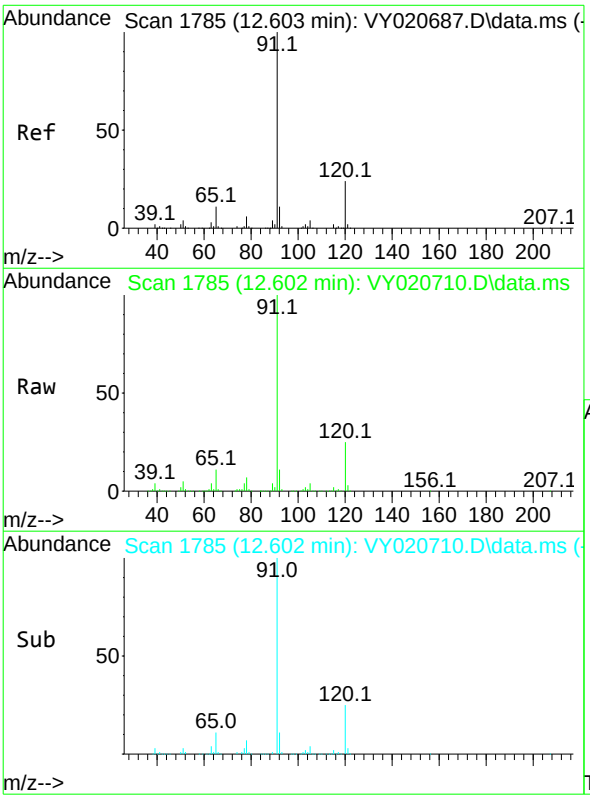
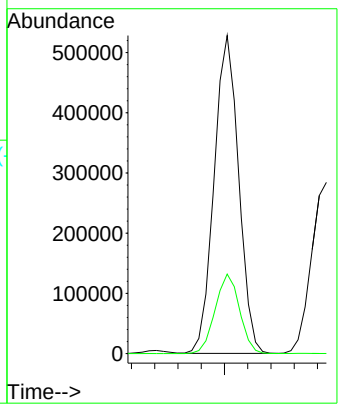


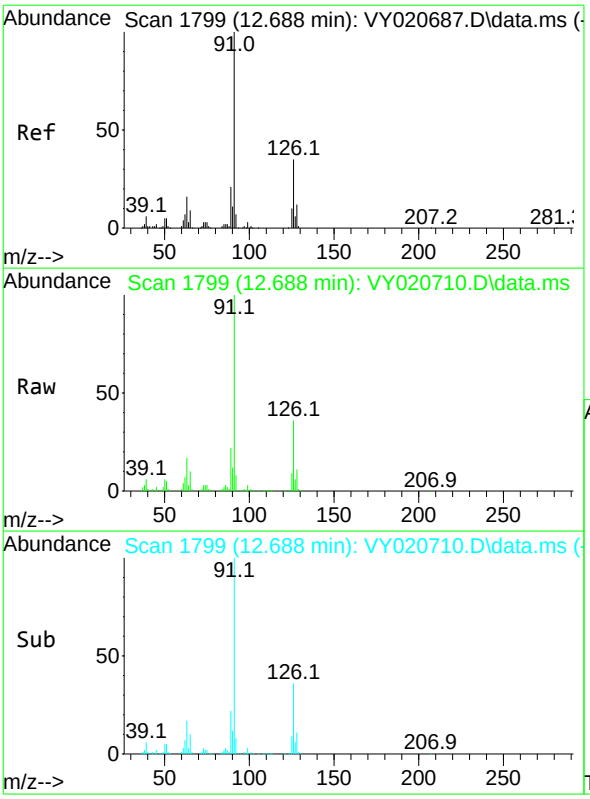


#78
n-propylbenzene
Concen: 145.797 ug/l
RT: 12.602 min Scan# 1785
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 91 Resp: 775459

Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.3	36.8

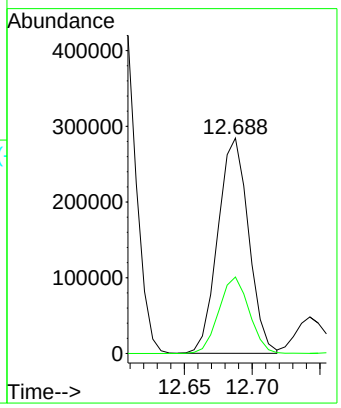




#79
2-Chlorotoluene
Concen: 147.735 ug/l
RT: 12.688 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 91 Resp: 447942

Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.8	53.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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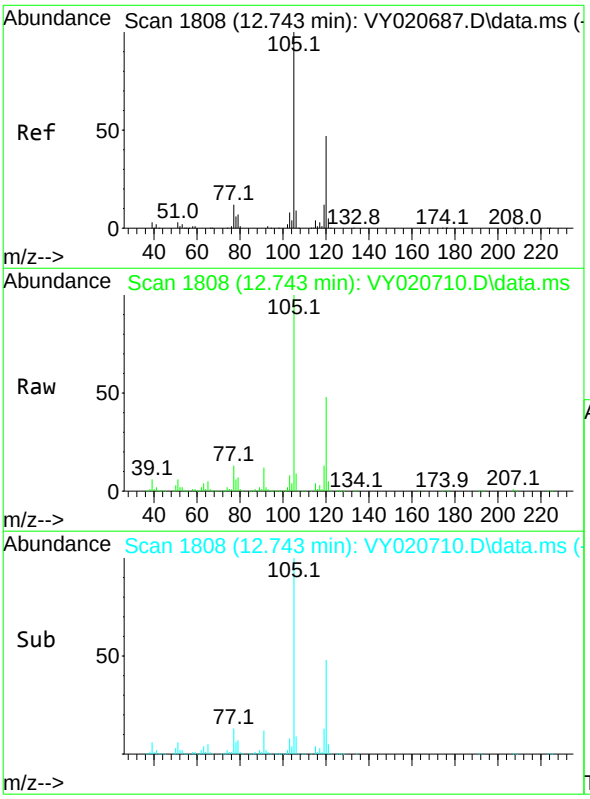
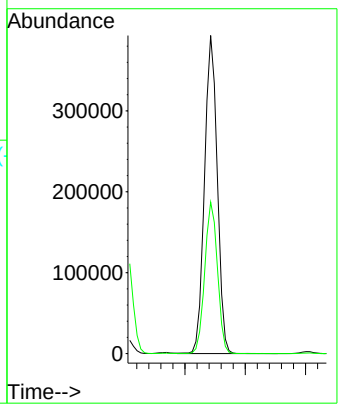
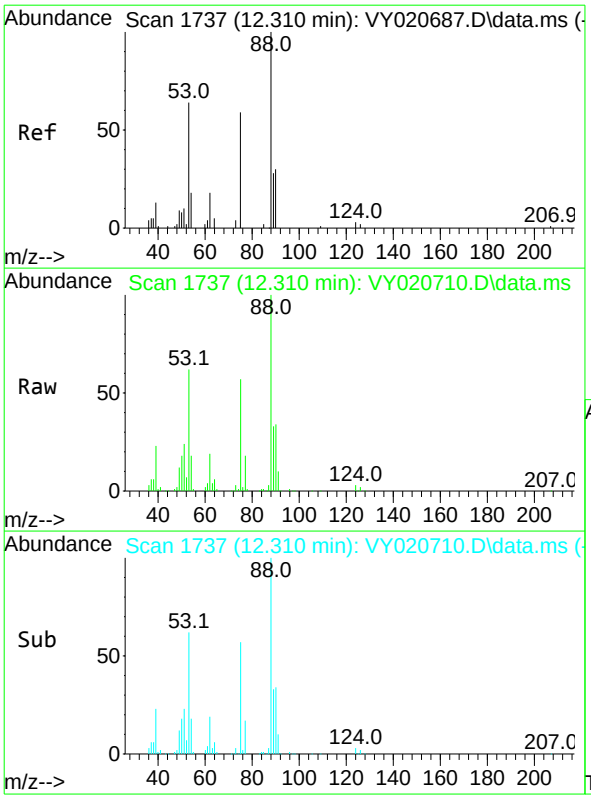


#80
1,3,5-Trimethylbenzene
Concen: 146.144 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:105 Resp: 577812

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 154.104 ug/l
RT: 12.310 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

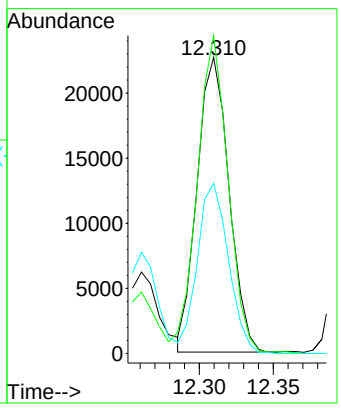
Tgt Ion: 75 Resp: 33964

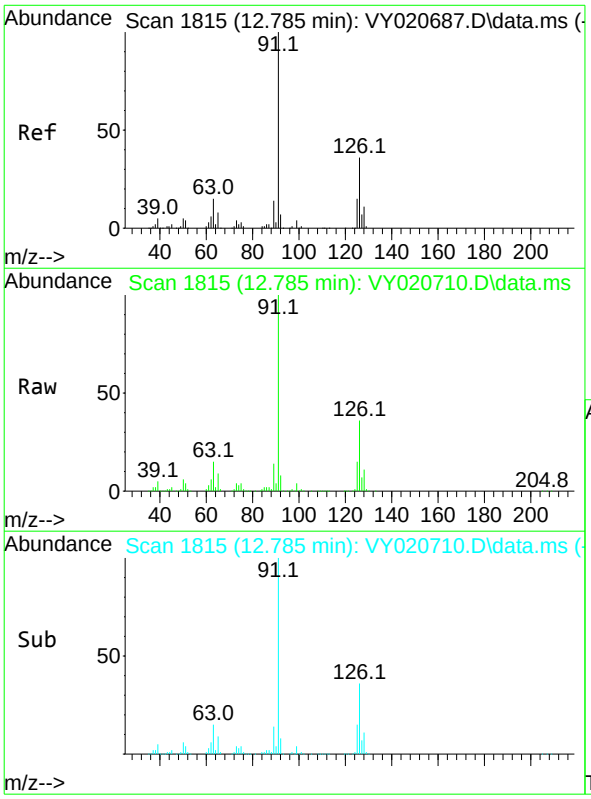
Ion	Ratio	Lower	Upper
75	100		
53	104.7	83.1	124.7
89	56.3	40.6	61.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

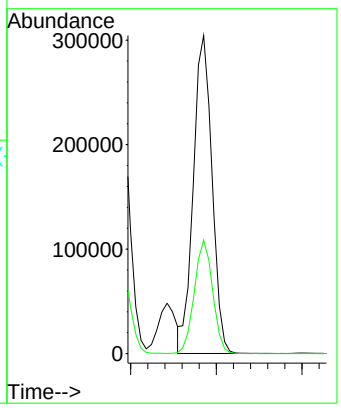


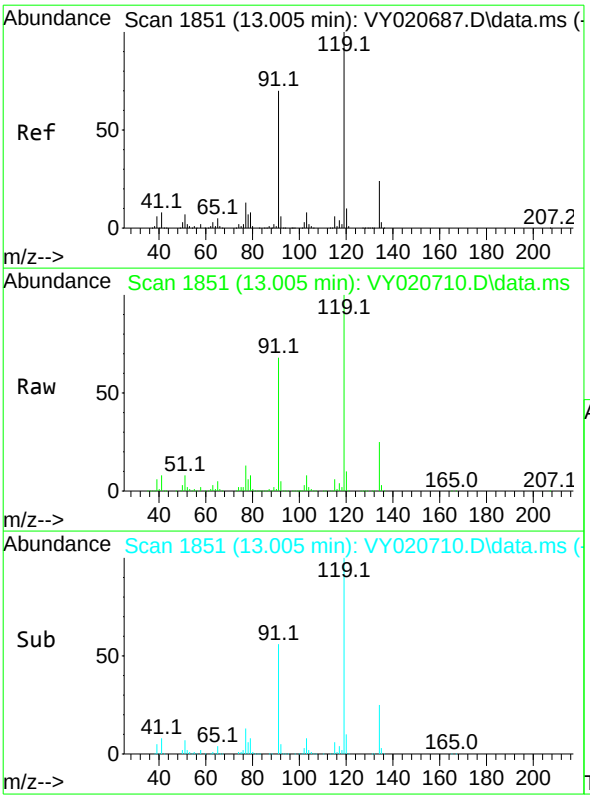


#82
4-Chlorotoluene
Concen: 146.900 ug/l
RT: 12.785 min Scan# 1815
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 91 Resp: 460319

Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.8	53.5

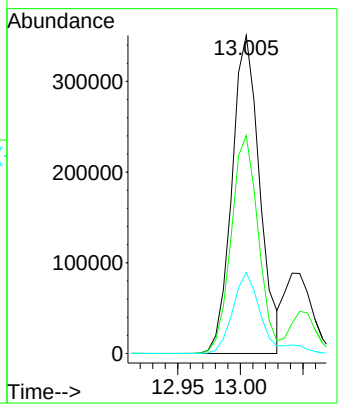




#83
tert-Butylbenzene
Concen: 146.461 ug/l
RT: 13.005 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:119 Resp: 540775

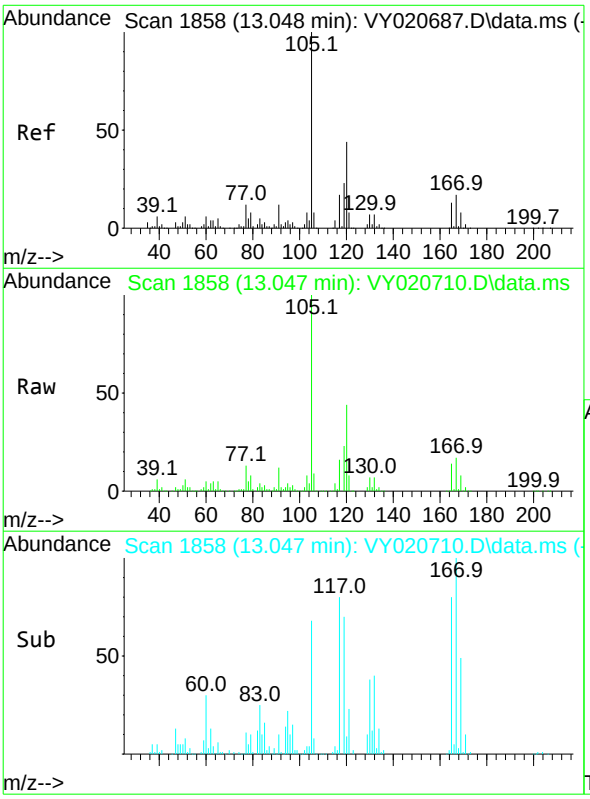
Ion	Ratio	Lower	Upper
119	100		
91	66.7	33.6	100.8
134	26.6	13.4	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

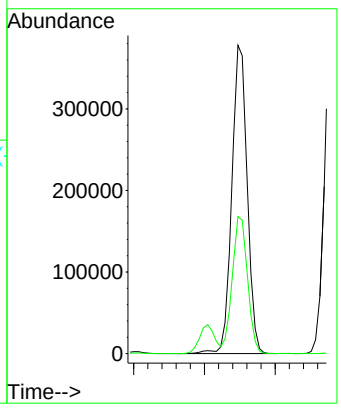
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

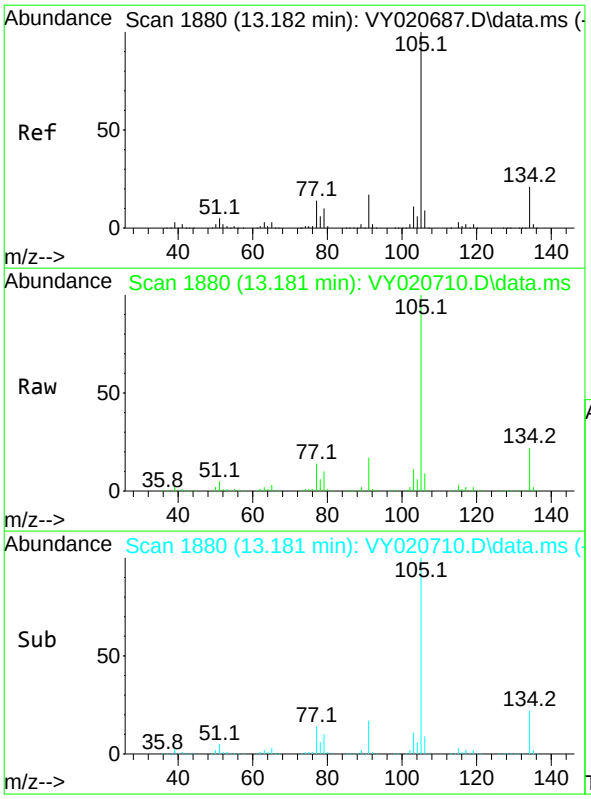


#84
1,2,4-Trimethylbenzene
Concen: 148.302 ug/l
RT: 13.047 min Scan# 1858
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:105 Resp: 570579

Ion	Ratio	Lower	Upper
105	100		
120	44.3	21.8	65.3

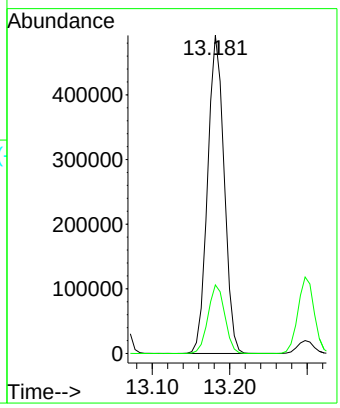




#85
sec-Butylbenzene
Concen: 146.177 ug/l
RT: 13.181 min Scan# 18
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:105 Resp: 727401

Ion	Ratio	Lower	Upper
105	100		
134	21.8	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Mahesh Dadoda 12/27/2024
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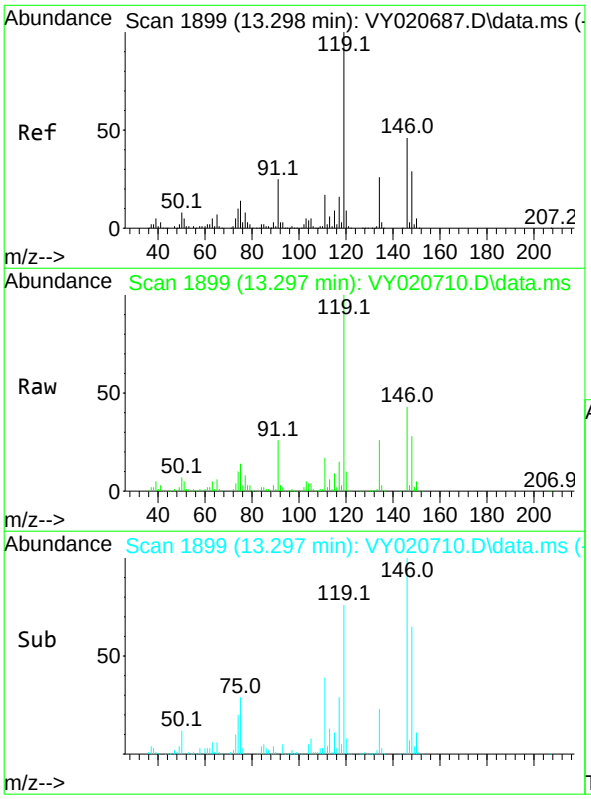
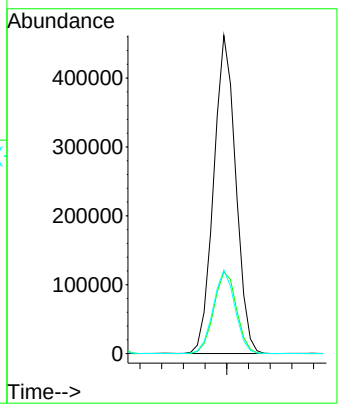
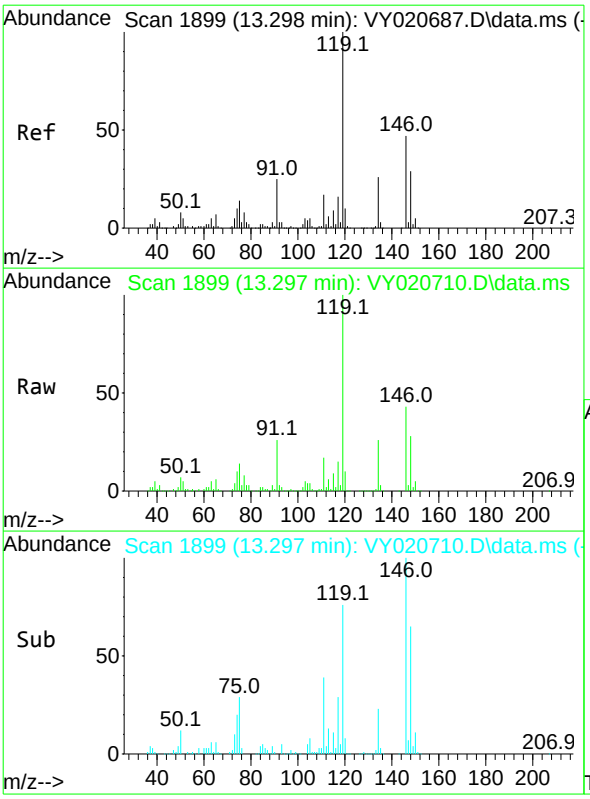


#86
p-Isopropyltoluene
Concen: 147.017 ug/l
RT: 13.297 min Scan# 1899
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:119 Resp: 651978

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.4	40.2
91	25.9	12.9	38.6

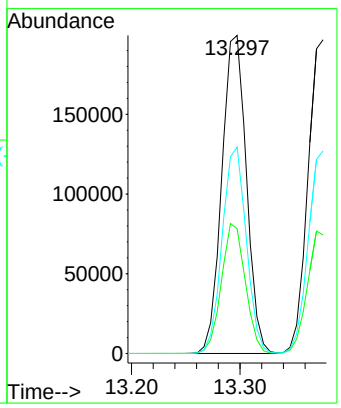




#87
1,3-Dichlorobenzene
Concen: 147.160 ug/l
RT: 13.297 min Scan# 18
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:146 Resp: 314188

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.3	57.8
148	63.6	31.1	93.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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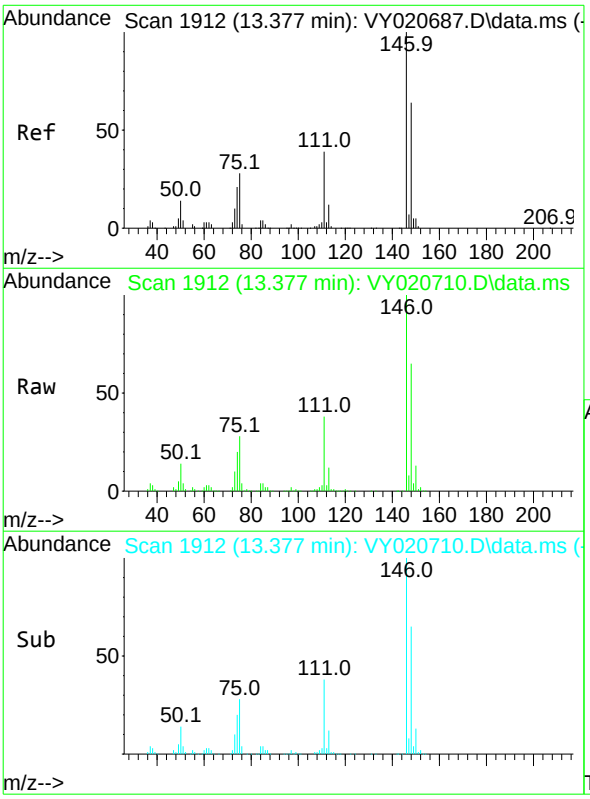
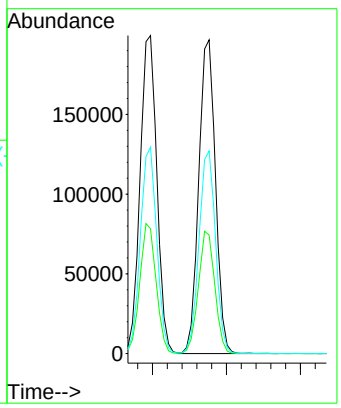
Supervised By :Semsettin Yesilyurt 12/27/2024

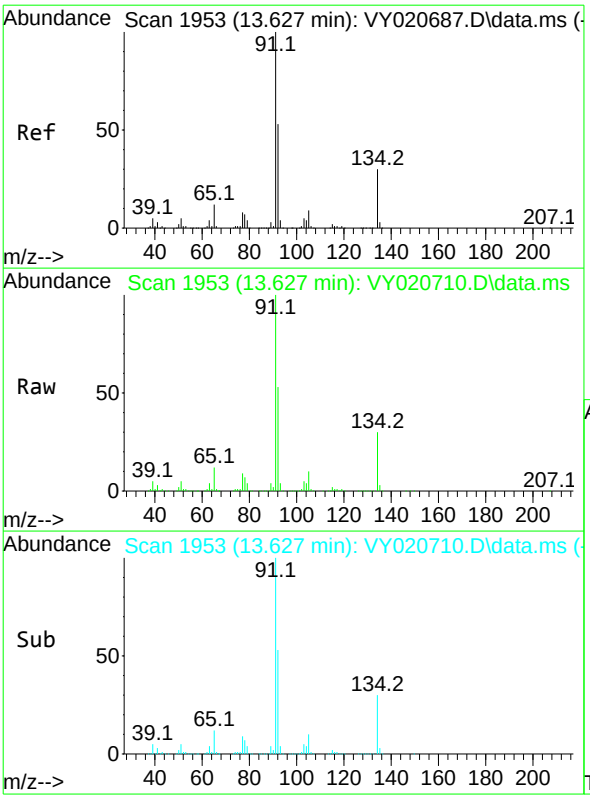


#88
1,4-Dichlorobenzene
Concen: 145.345 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:146 Resp: 308690

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.7	59.0
148	64.1	32.8	98.3





#89
n-Butylbenzene
Concen: 148.927 ug/l
RT: 13.627 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

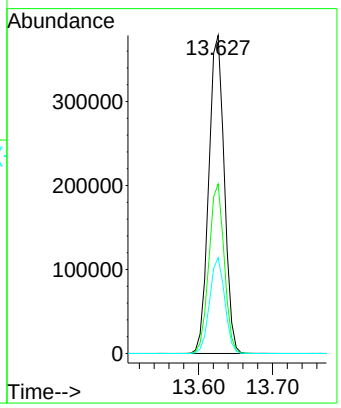
Tgt Ion: 91 Resp: 551311

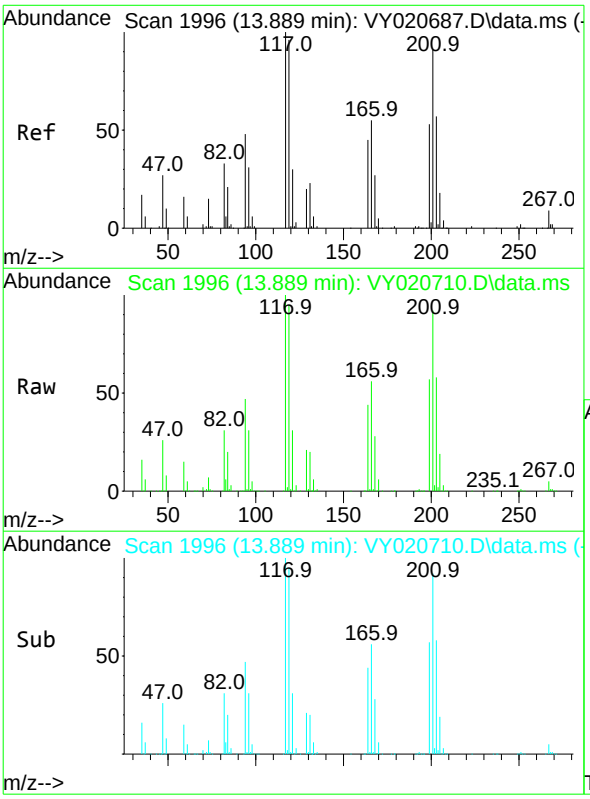
Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.1	78.2
134	29.4	14.8	44.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

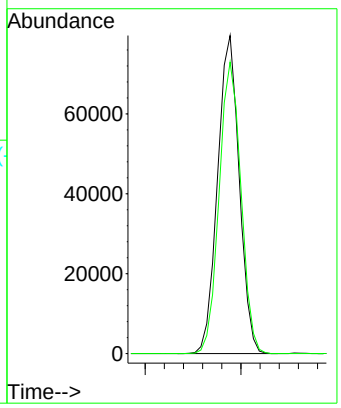


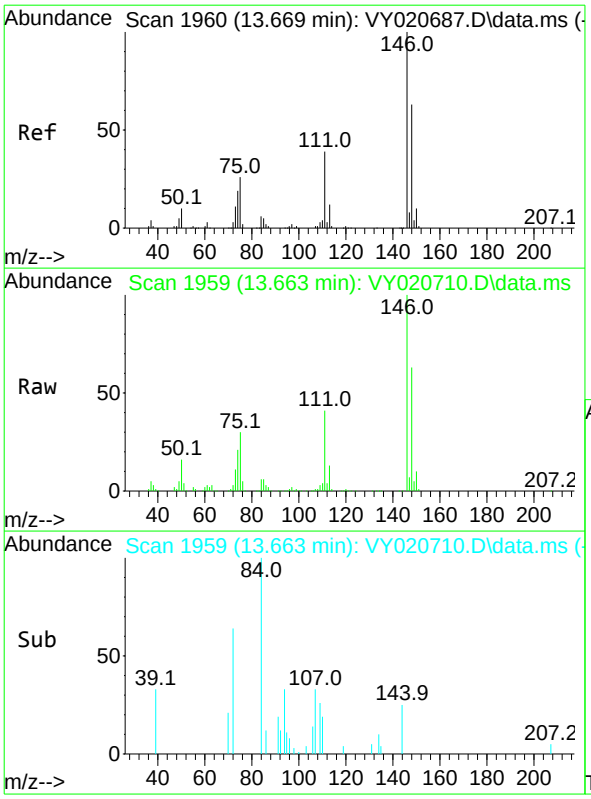


#90
Hexachloroethane
Concen: 148.318 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:117 Resp: 125073

Ion	Ratio	Lower	Upper
117	100		
201	92.2	44.9	134.7

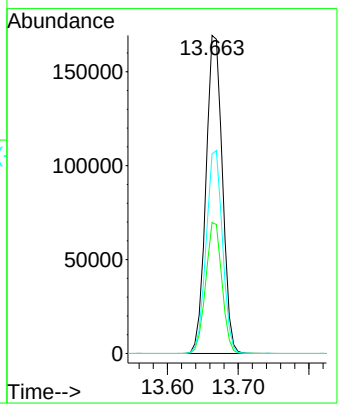




#91
1,2-Dichlorobenzene
Concen: 149.118 ug/l
RT: 13.663 min Scan# 19
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:146 Resp: 272976

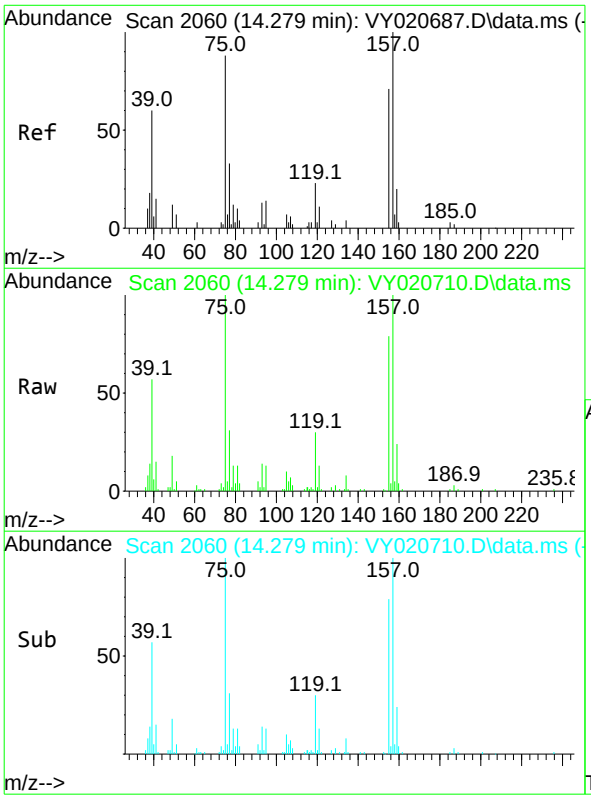
Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	60.8
148	63.5	31.9	95.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

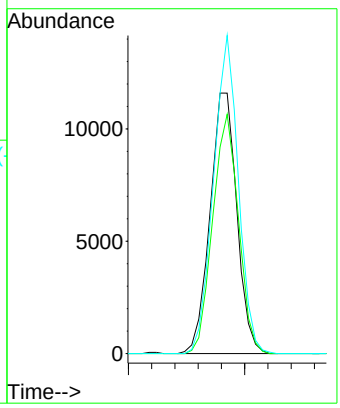
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

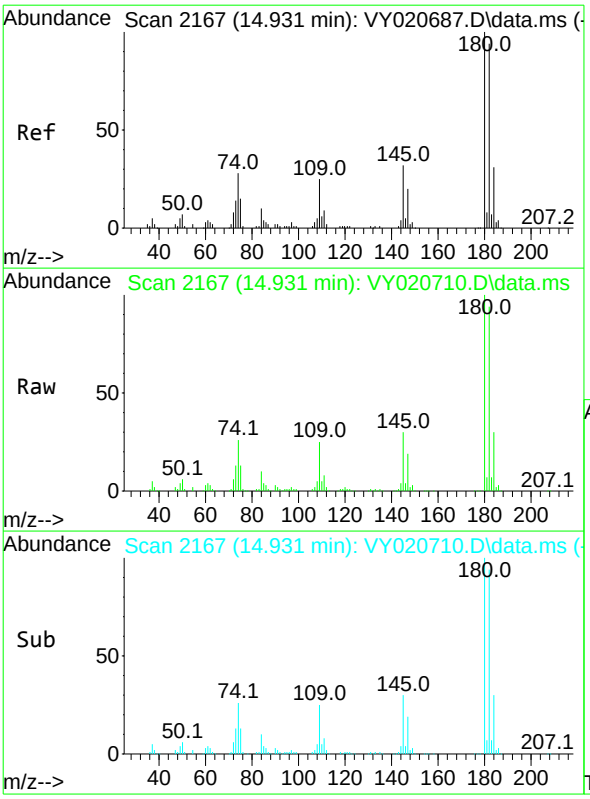


#92
1,2-Dibromo-3-Chloropropane
Concen: 157.429 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 75 Resp: 18575

Ion	Ratio	Lower	Upper
75	100		
155	87.9	43.4	130.2
157	113.0	58.6	175.7

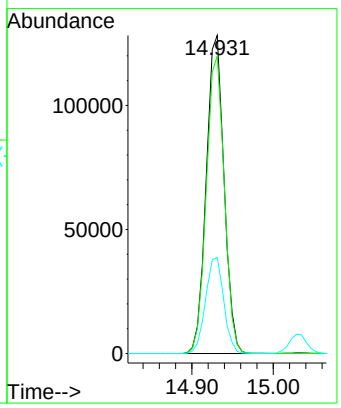




#93
1,2,4-Trichlorobenzene
Concen: 167.268 ug/l
RT: 14.931 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:180 Resp: 194628

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.7
145	30.9	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Mahesh Dadoda 12/27/2024
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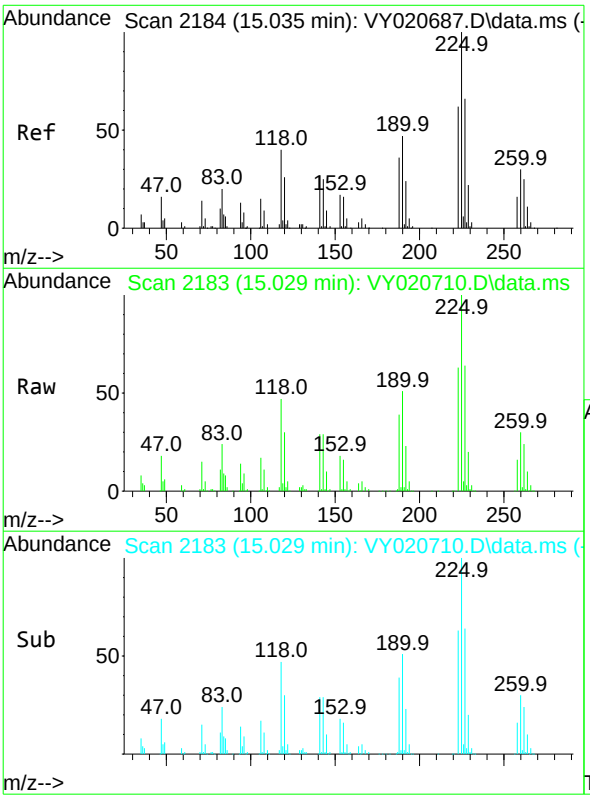
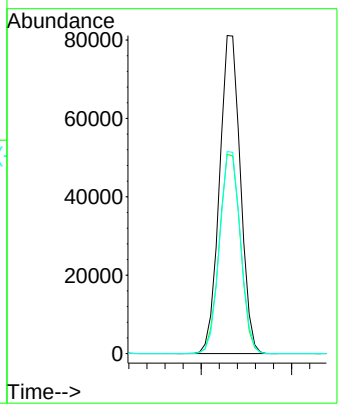
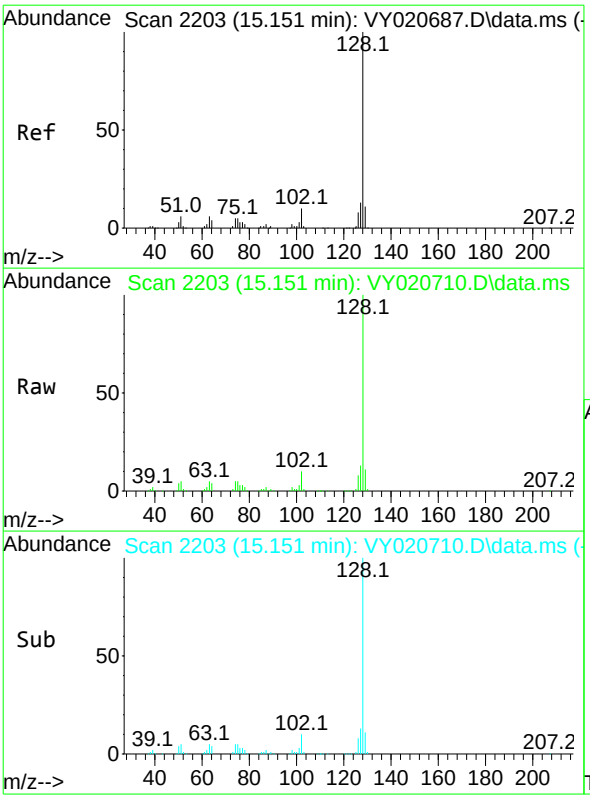


#94
Hexachlorobutadiene
Concen: 153.785 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:225 Resp: 130414

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.3	93.8
227	63.6	32.1	96.5





#95
Naphthalene
Concen: 176.838 ug/l
RT: 15.151 min Scan# 22
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

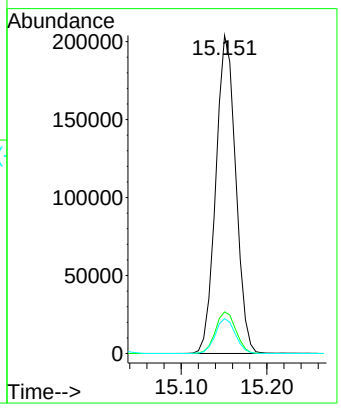
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

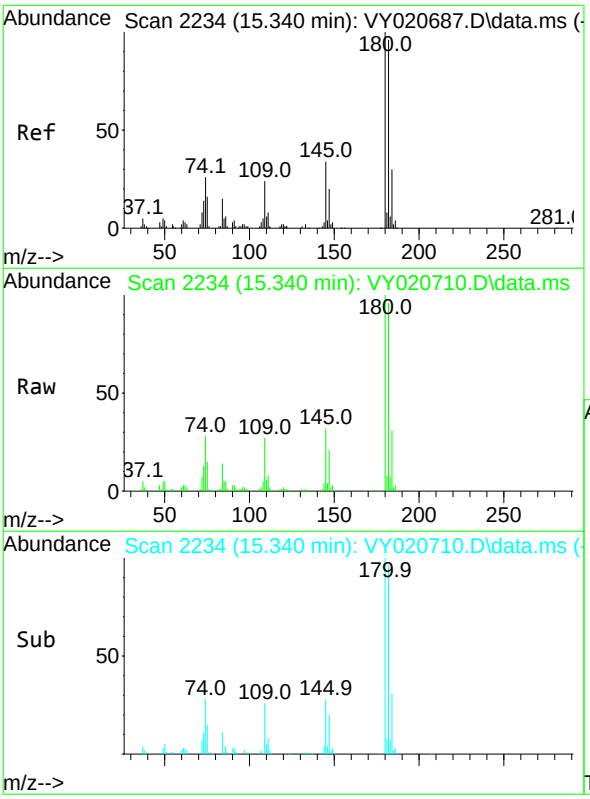
Tgt Ion:128 Resp: 329555

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	11.0	8.6	12.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

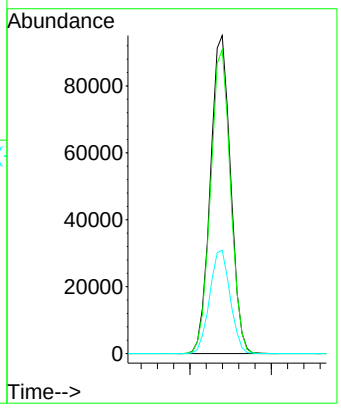




#96
1,2,3-Trichlorobenzene
Concen: 168.727 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:180 Resp: 163465

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.4	142.2
145	33.0	16.7	50.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020711.D
Acq On : 26 Dec 2024 11:51
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Quant Time: Dec 26 16:07:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	116833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	159804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	137258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	69727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	106883	111.689	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 223.380%#			
35) Dibromofluoromethane	7.646	113	98131	111.484	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 222.960%#			
50) Toluene-d8	10.115	98	370174	103.831	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 207.660%#			
62) 4-Bromofluorobenzene	12.414	95	126890	108.473	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 216.940%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	89983	97.849	ug/l	98
3) Chloromethane	2.074	50	36325	105.914	ug/l	97
4) Vinyl Chloride	2.214	62	42335	99.628	ug/l	99
5) Bromomethane	2.605	94	32346	100.819	ug/l	92
6) Chloroethane	2.745	64	25930	101.721	ug/l	92
7) Trichlorofluoromethane	3.074	101	160967	98.505	ug/l	97
8) Diethyl Ether	3.464	74	40852	105.059	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	89952	100.269	ug/l	98
10) Methyl Iodide	4.019	142	105224	107.262	ug/l	99
11) Tert butyl alcohol	4.872	59	27117	471.856	ug/l #	76
12) 1,1-Dichloroethene	3.799	96	80482	100.793	ug/l	98
13) Acrolein	3.665	56	6965	348.166	ug/l	98
14) Allyl chloride	4.397	41	96335	103.097	ug/l	97
15) Acrylonitrile	5.074	53	74874	498.444	ug/l	98
16) Acetone	3.879	43	53244	438.581	ug/l	99
17) Carbon Disulfide	4.116	76	207648	106.011	ug/l	99
18) Methyl Acetate	4.397	43	32722	99.589	ug/l	99
19) Methyl tert-butyl Ether	5.128	73	222187	99.833	ug/l	100
20) Methylene Chloride	4.629	84	78882	99.904	ug/l	95
21) trans-1,2-Dichloroethene	5.128	96	88224	102.532	ug/l	97
22) Diisopropyl ether	6.037	45	191362	100.743	ug/l	97
23) Vinyl Acetate	5.976	43	574176	506.073	ug/l	100
24) 1,1-Dichloroethane	5.927	63	144777	101.659	ug/l	99
25) 2-Butanone	6.903	43	78288	477.386	ug/l	97
26) 2,2-Dichloropropane	6.896	77	169441	97.206	ug/l	99
27) cis-1,2-Dichloroethene	6.903	96	104390	101.307	ug/l	97
28) Bromochloromethane	7.256	49	42948	114.037	ug/l	95
29) Tetrahydrofuran	7.274	42	48175	478.582	ug/l	94
30) Chloroform	7.433	83	178101	97.216	ug/l	97
31) Cyclohexane	7.713	56	111954	91.072	ug/l	98
32) 1,1,1-Trichloroethane	7.628	97	194164	98.873	ug/l	99
36) 1,1-Dichloropropene	7.848	75	118213	101.669	ug/l	99
37) Ethyl Acetate	6.994	43	37453	97.751	ug/l	97
38) Carbon Tetrachloride	7.829	117	193743	101.190	ug/l	98
39) Methylcyclohexane	9.116	83	151388	101.582	ug/l	96
40) Benzene	8.091	78	346286	102.763	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020711.D
Acq On : 26 Dec 2024 11:51
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Dec 26 16:07:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	20832	107.636	ug/l		96
42) 1,2-Dichloroethane	8.165	62	111130	102.849	ug/l		99
43) Isopropyl Acetate	8.207	43	83521	102.557	ug/l	#	86
44) Trichloroethene	8.872	130	101237	100.585	ug/l		95
45) 1,2-Dichloropropane	9.146	63	67508	98.968	ug/l		98
46) Dibromomethane	9.238	93	47179	99.962	ug/l		99
47) Bromodichloromethane	9.427	83	134627	100.613	ug/l		96
48) Methyl methacrylate	9.225	41	39672	104.314	ug/l		97
49) 1,4-Dioxane	9.244	88	9130	2030.846	ug/l		97
51) 4-Methyl-2-Pentanone	10.006	43	194141	493.895	ug/l		99
52) Toluene	10.176	92	236867	102.558	ug/l		100
53) t-1,3-Dichloropropene	10.402	75	123413	105.012	ug/l		99
54) cis-1,3-Dichloropropene	9.865	75	132154	102.590	ug/l		97
55) 1,1,2-Trichloroethane	10.579	97	60063	99.697	ug/l		99
56) Ethyl methacrylate	10.445	69	82573	104.330	ug/l		98
57) 1,3-Dichloropropane	10.725	76	100785	103.074	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.719	63	151207	547.868	ug/l		99
59) 2-Hexanone	10.768	43	132885	512.015	ug/l		99
60) Dibromochloromethane	10.920	129	99612	102.326	ug/l		99
61) 1,2-Dibromoethane	11.024	107	56939	100.443	ug/l		100
64) Tetrachloroethene	10.652	164	95043	101.351	ug/l		97
65) Chlorobenzene	11.451	112	270485	100.641	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.524	131	105235	101.066	ug/l		98
67) Ethyl Benzene	11.524	91	478506	101.867	ug/l		99
68) m/p-Xylenes	11.633	106	366100	204.314	ug/l		100
69) o-Xylene	11.963	106	173536	101.366	ug/l		99
70) Styrene	11.975	104	294999	102.647	ug/l		99
71) Bromoform	12.139	173	60872	101.685	ug/l	#	98
73) Isopropylbenzene	12.261	105	484532	100.300	ug/l		100
74) N-amyl acetate	12.078	43	72233	105.221	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	60116	97.073	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	39557m	71.921	ug/l		
77) Bromobenzene	12.542	156	112291	100.978	ug/l		97
78) n-propylbenzene	12.603	91	544130	100.496	ug/l		100
79) 2-Chlorotoluene	12.688	91	310413	100.568	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	404786	100.572	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	23063	102.794	ug/l		97
82) 4-Chlorotoluene	12.786	91	322204	101.007	ug/l		99
83) tert-Butylbenzene	13.005	119	374773	99.709	ug/l		100
84) 1,2,4-Trimethylbenzene	13.048	105	399805	102.079	ug/l		100
85) sec-Butylbenzene	13.182	105	509425	100.564	ug/l		99
86) p-Isopropyltoluene	13.298	119	454433	100.661	ug/l		99
87) 1,3-Dichlorobenzene	13.298	146	220131	101.283	ug/l		99
88) 1,4-Dichlorobenzene	13.377	146	216013	99.911	ug/l		98
89) n-Butylbenzene	13.627	91	384958	102.152	ug/l		100
90) Hexachloroethane	13.889	117	87162	101.535	ug/l		97
91) 1,2-Dichlorobenzene	13.670	146	187803	100.778	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	12047	100.298	ug/l		98
93) 1,2,4-Trichlorobenzene	14.932	180	131697	111.184	ug/l		100
94) Hexachlorobutadiene	15.029	225	91705	106.228	ug/l		98
95) Naphthalene	15.151	128	210953	111.196	ug/l		100
96) 1,2,3-Trichlorobenzene	15.340	180	109793	111.325	ug/l		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020711.D
Acq On : 26 Dec 2024 11:51
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Quant Time: Dec 26 16:07:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

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

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

ICAL Form

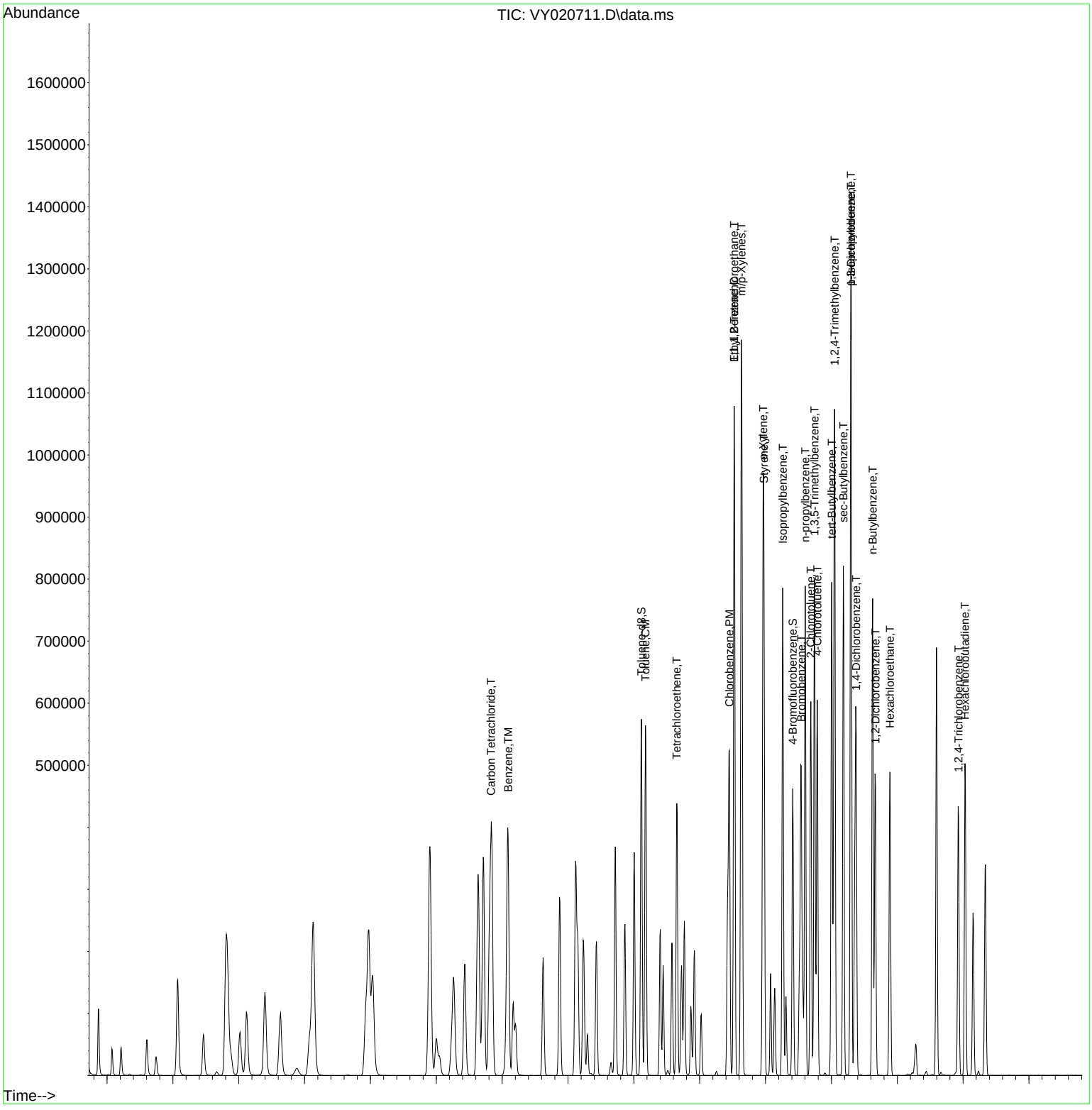
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020711.D
Acq On : 26 Dec 2024 11:51
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

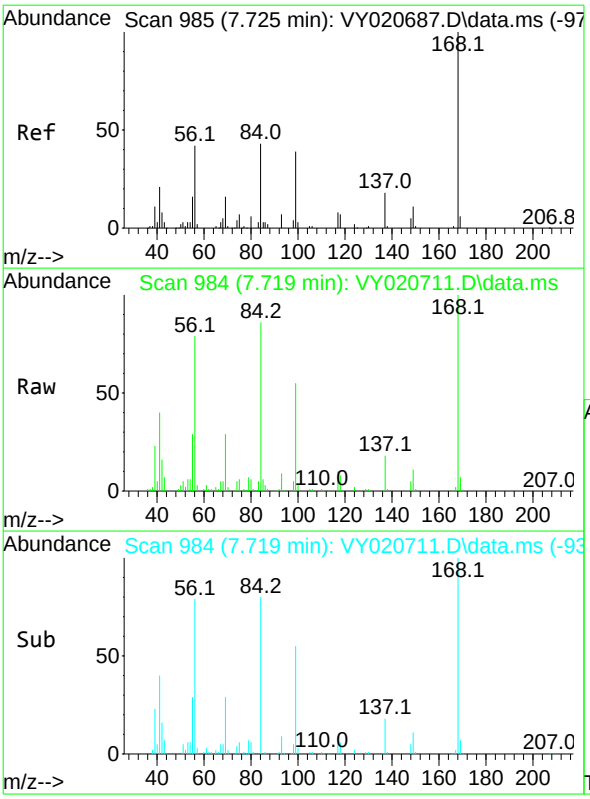
Quant Time: Dec 26 16:07:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

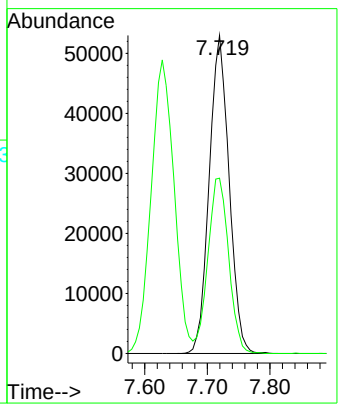




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:168 Resp: 116833

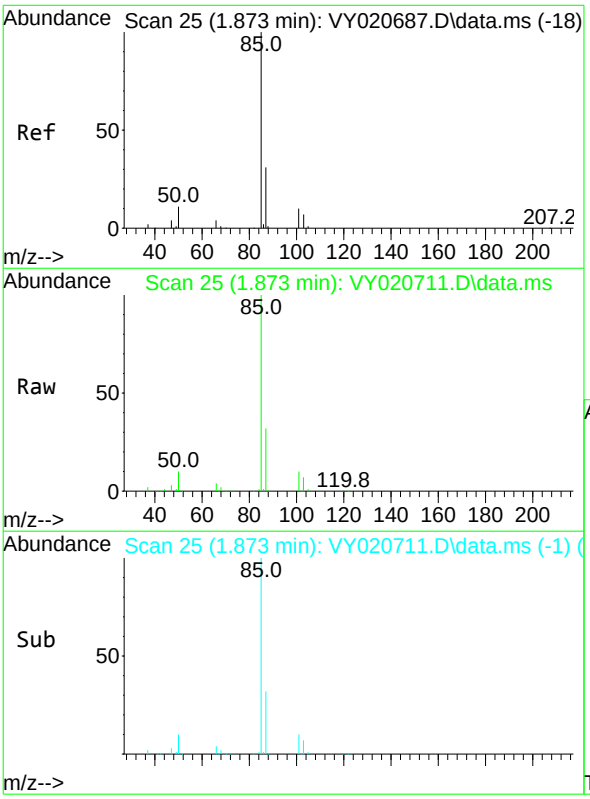
Ion	Ratio	Lower	Upper
168	100		
99	55.1	43.8	65.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

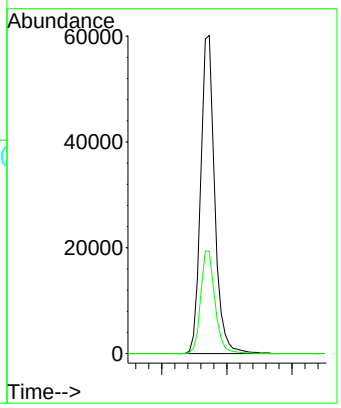
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

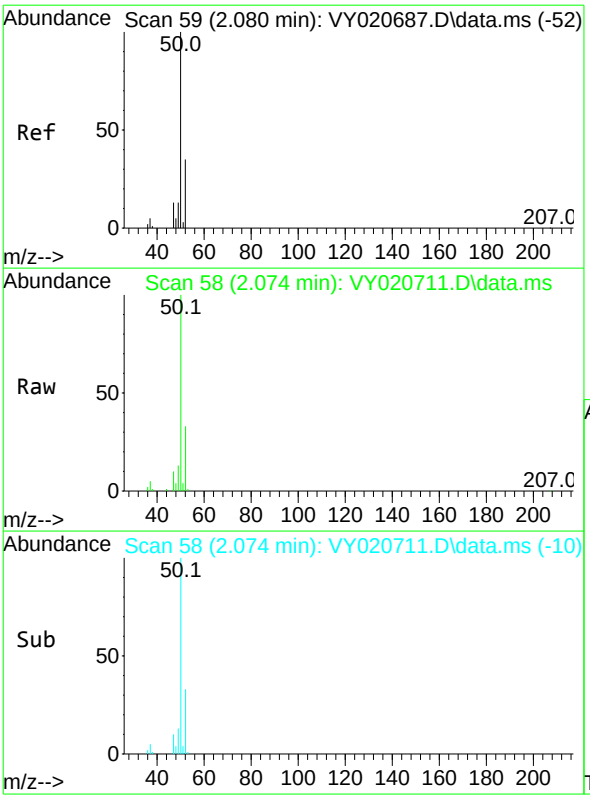


#2
Dichlorodifluoromethane
Concen: 97.849 ug/l
RT: 1.873 min Scan# 25
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 85 Resp: 89983

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.4	46.4

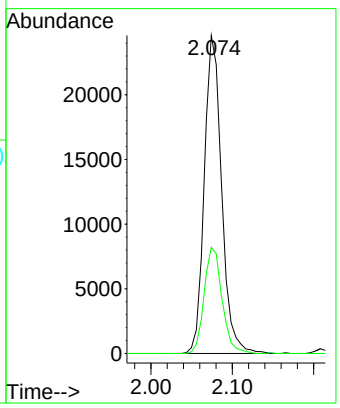




#3
Chloromethane
Concen: 105.914 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 50 Resp: 36325

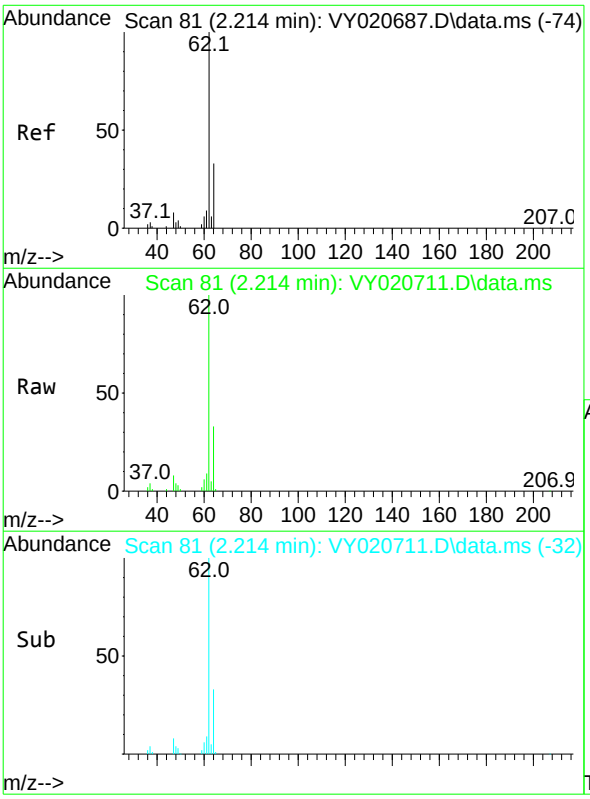
Ion	Ratio	Lower	Upper
50	100		
52	33.4	28.2	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

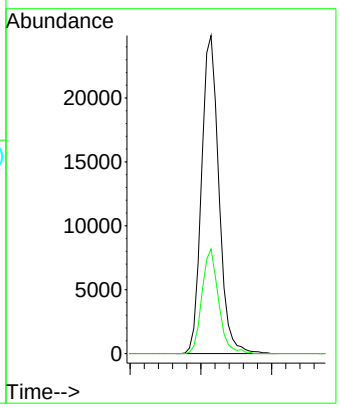
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

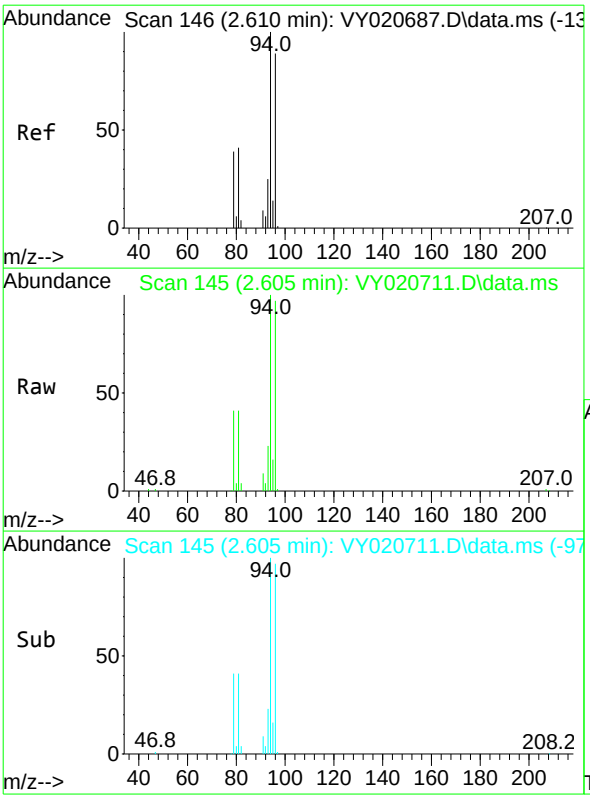


#4
Vinyl Chloride
Concen: 99.628 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 62 Resp: 42335

Ion	Ratio	Lower	Upper
62	100		
64	32.9	26.6	40.0

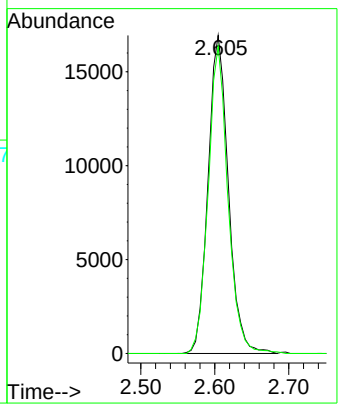




#5
Bromomethane
Concen: 100.819 ug/l
RT: 2.605 min Scan# 14
Delta R.T. -0.005 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 94 Resp: 32346

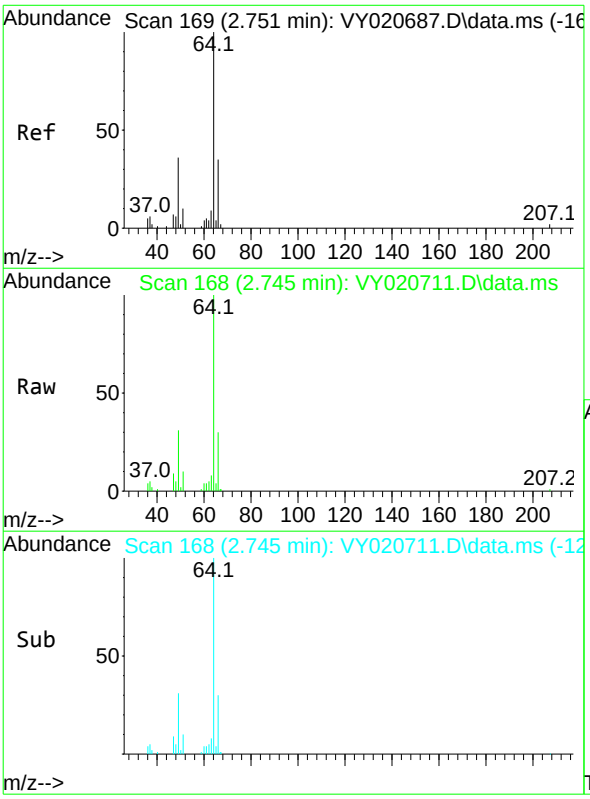
Ion	Ratio	Lower	Upper
94	100		
96	96.5	71.0	106.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

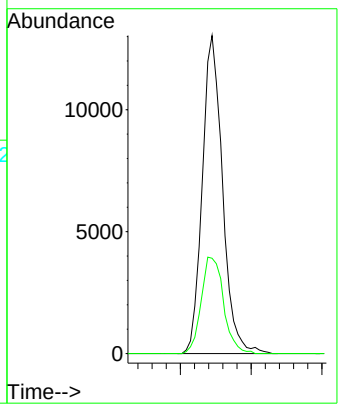
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

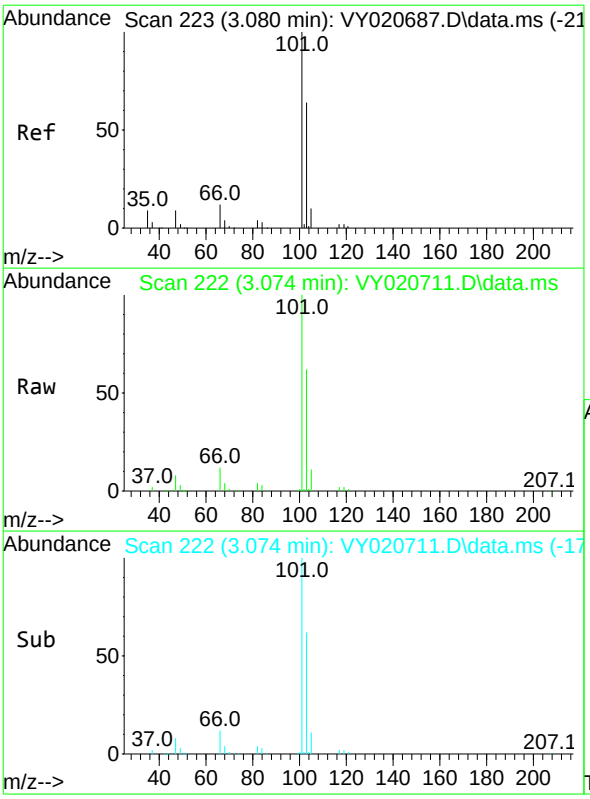


#6
Chloroethane
Concen: 101.721 ug/l
RT: 2.745 min Scan# 168
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 64 Resp: 25930

Ion	Ratio	Lower	Upper
64	100		
66	30.0	27.8	41.8

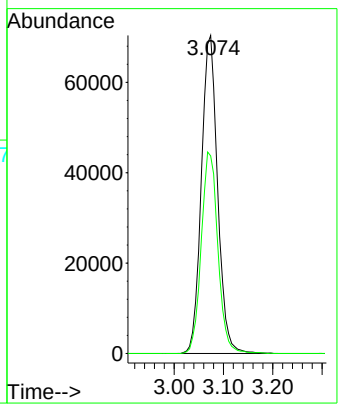




#7
Trichlorofluoromethane
Concen: 98.505 ug/l
RT: 3.074 min Scan# 22
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:101 Resp: 160967

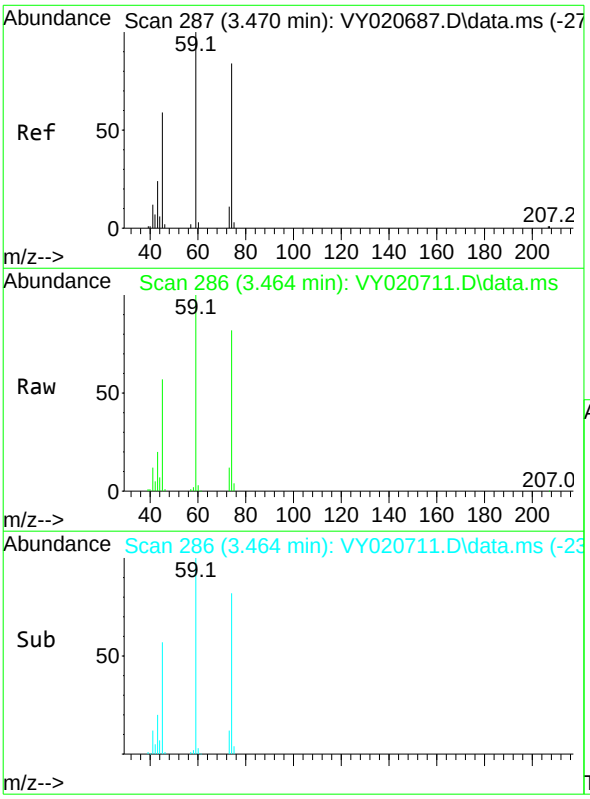
Ion	Ratio	Lower	Upper
101	100		
103	62.1	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

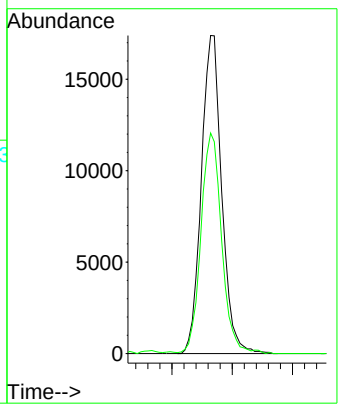
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

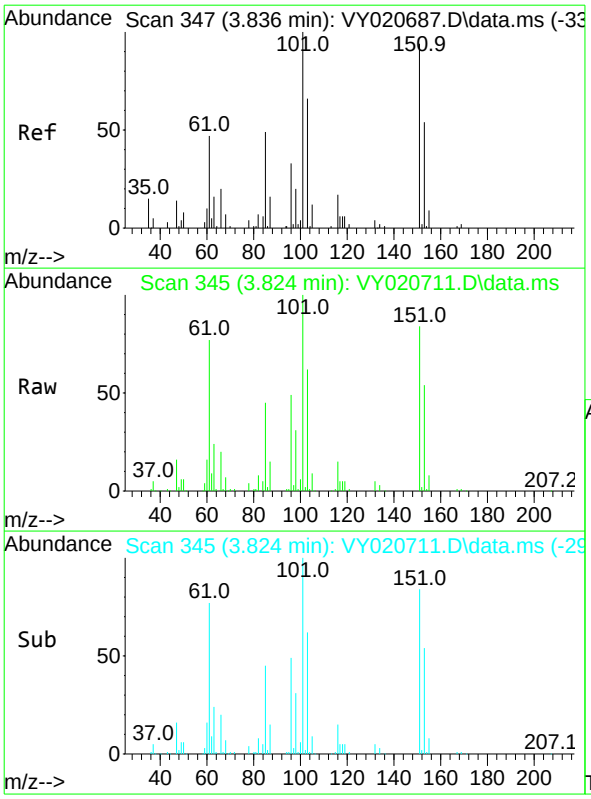


#8
Diethyl Ether
Concen: 105.059 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 74 Resp: 40852

Ion	Ratio	Lower	Upper
74	100		
45	70.5	35.8	107.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 100.269 ug/l
RT: 3.824 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

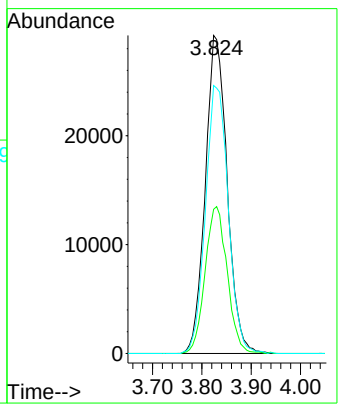
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

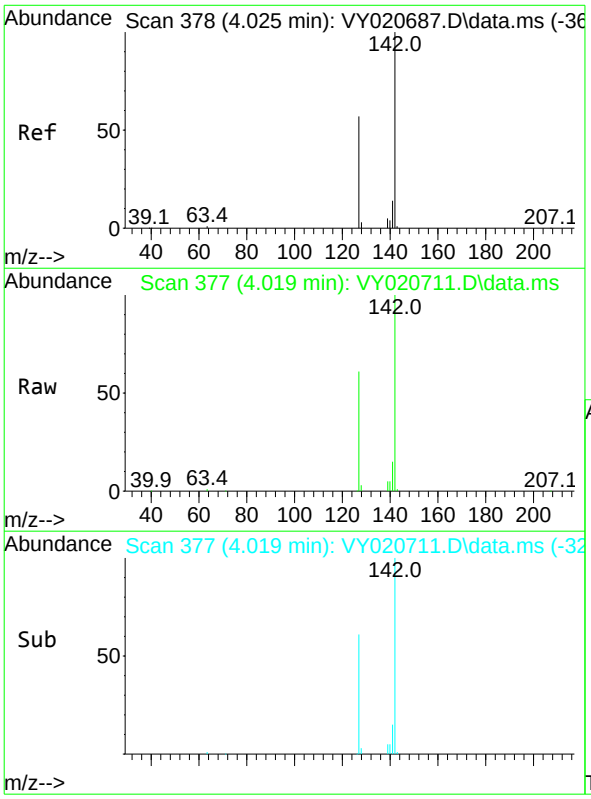
Tgt Ion:101 Resp: 89952

Ion	Ratio	Lower	Upper
101	100		
85	46.8	38.2	57.2
151	87.9	68.4	102.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

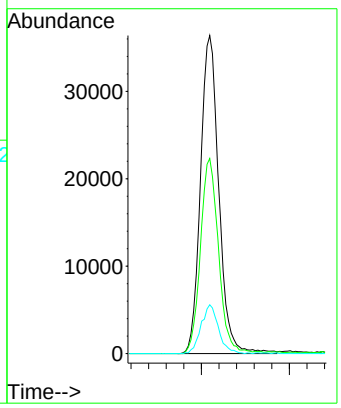


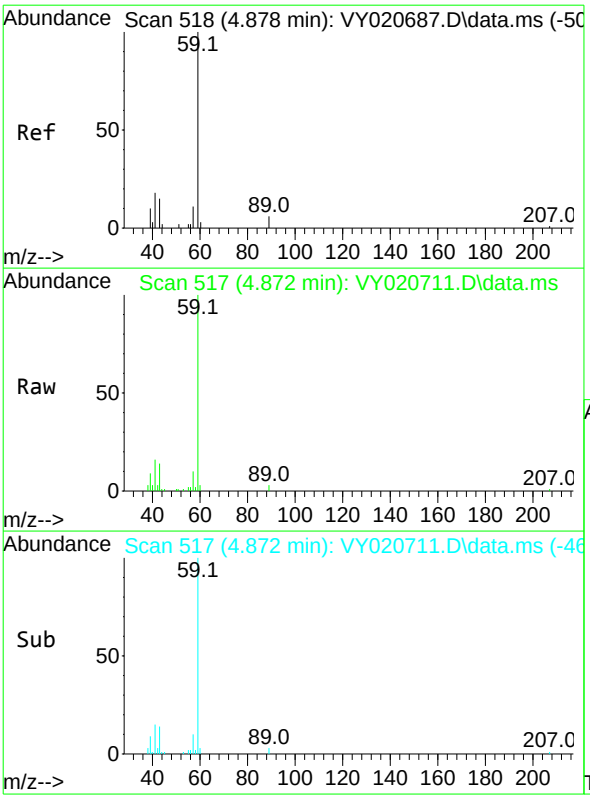


#10
Methyl Iodide
Concen: 107.262 ug/l
RT: 4.019 min Scan# 377
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:142 Resp: 105224

Ion	Ratio	Lower	Upper
142	100		
127	60.4	48.8	73.2
141	14.6	11.9	17.9

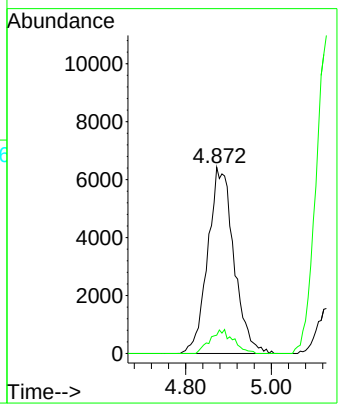




#11
Tert butyl alcohol
Concen: 471.856 ug/l
RT: 4.872 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 59 Resp: 27117

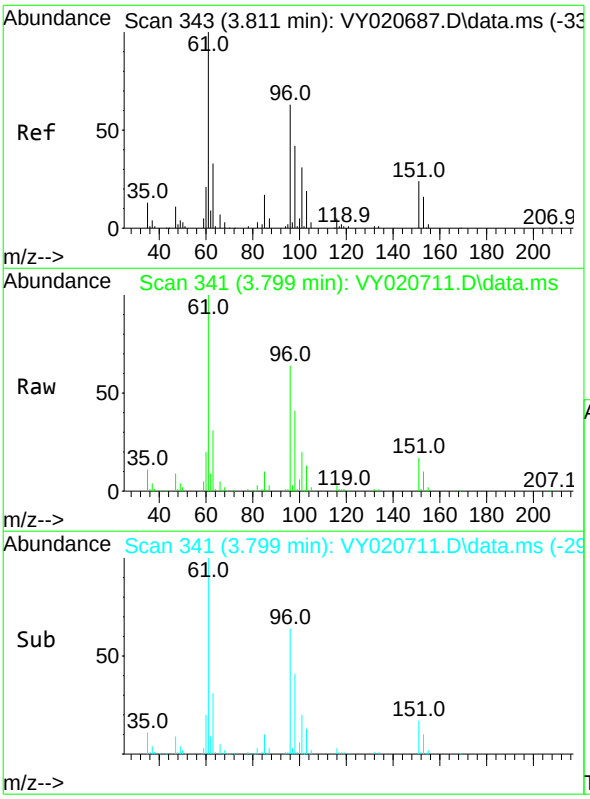
Ion	Ratio	Lower	Upper
59	100		
57	11.5	2.8	4.2#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

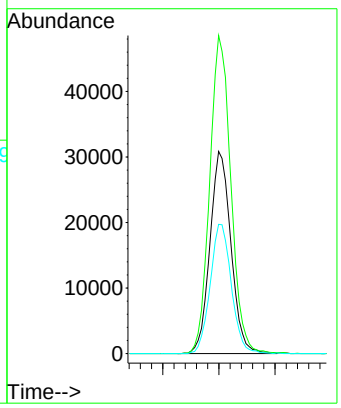
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

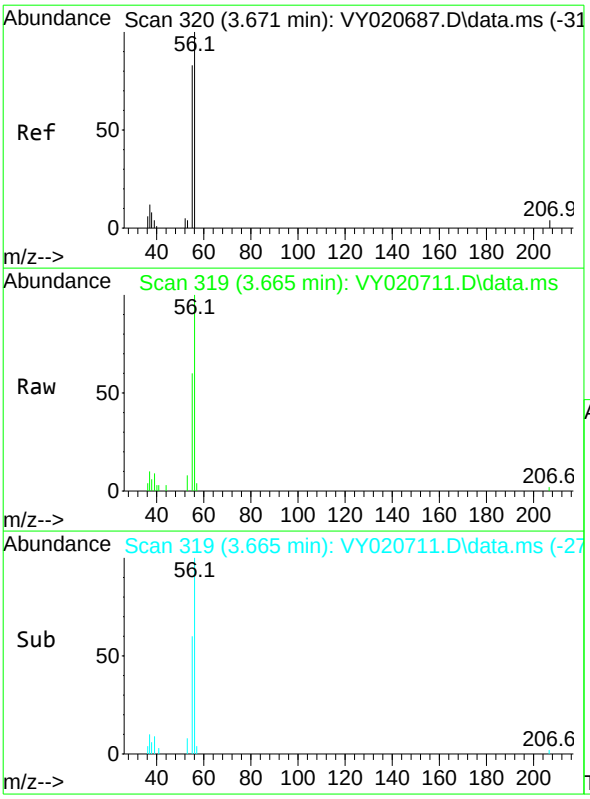


#12
1,1-Dichloroethene
Concen: 100.793 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.012 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 96 Resp: 80482

Ion	Ratio	Lower	Upper
96	100		
61	157.3	127.1	190.7
98	63.9	53.4	80.0

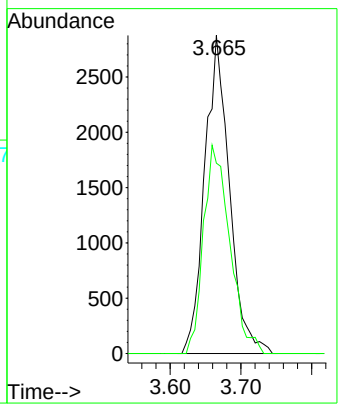




#13
Acrolein
Concen: 348.166 ug/l
RT: 3.665 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 56 Resp: 6965

Ion	Ratio	Lower	Upper
56	100		
55	69.7	57.0	85.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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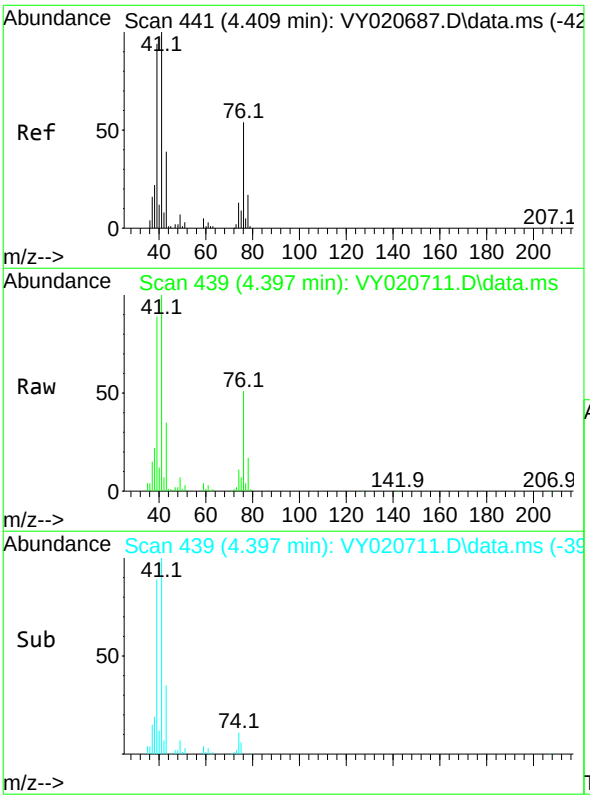
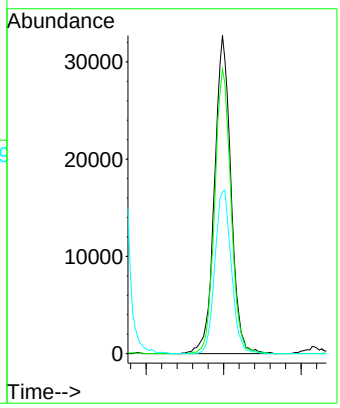
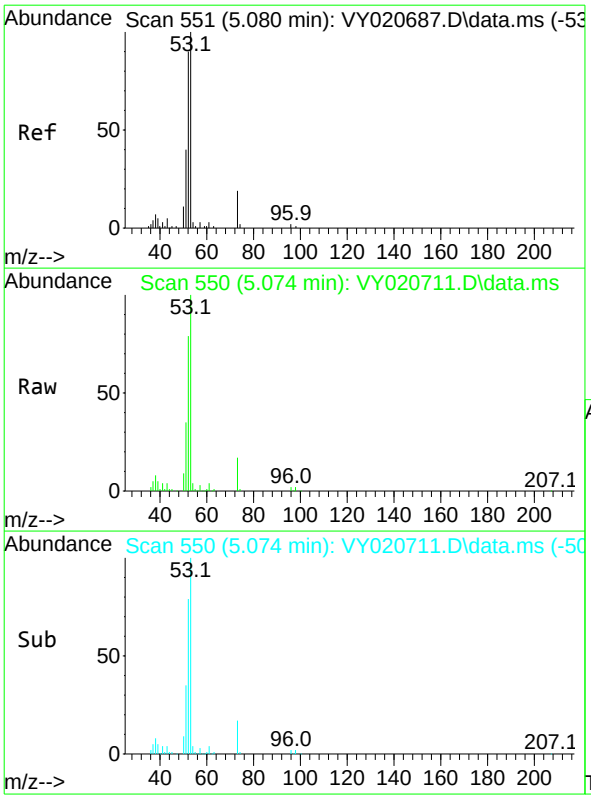


#14
Allyl chloride
Concen: 103.097 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.012 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 41 Resp: 96335

Ion	Ratio	Lower	Upper
41	100		
39	88.3	73.5	110.3
76	51.2	41.8	62.8

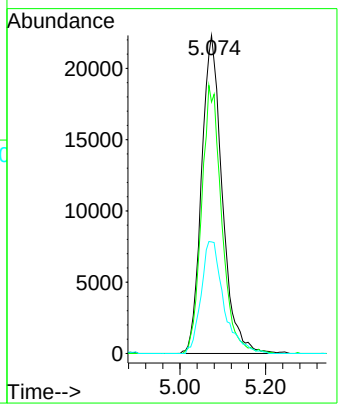




#15
Acrylonitrile
Concen: 498.444 ug/l
RT: 5.074 min Scan# 55
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 53 Resp: 74874

Ion	Ratio	Lower	Upper
53	100		
52	81.8	67.1	100.7
51	38.6	31.4	47.0



Instrument :
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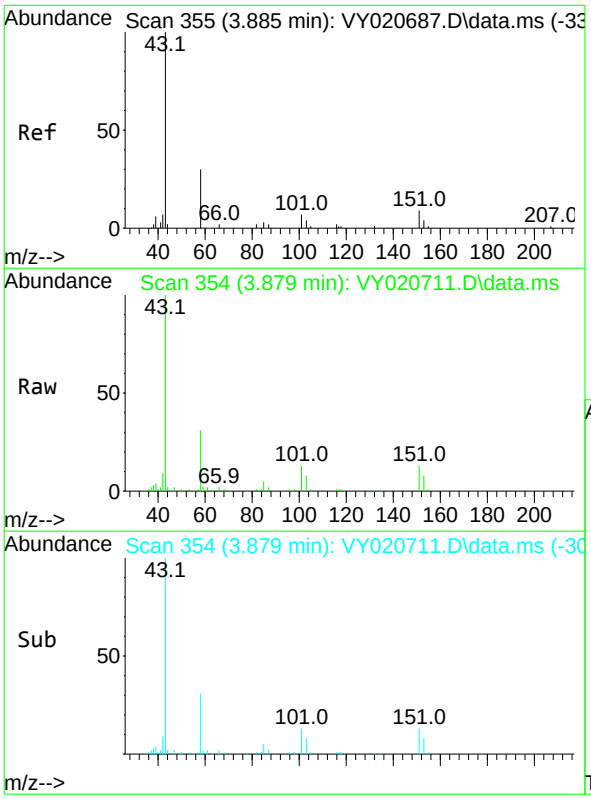
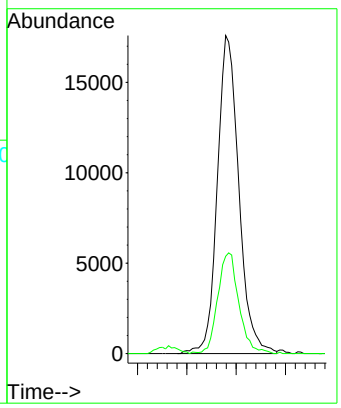
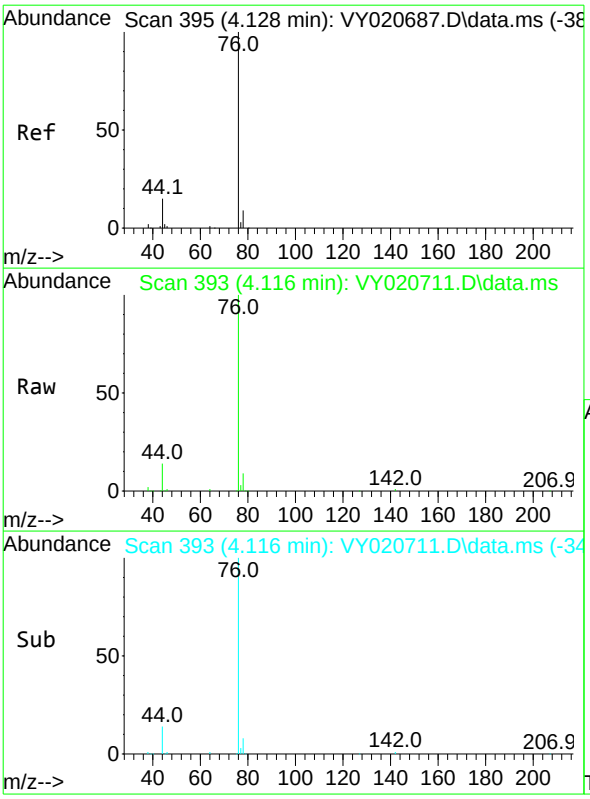


#16
Acetone
Concen: 438.581 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 43 Resp: 53244

Ion	Ratio	Lower	Upper
43	100		
58	30.6	25.0	37.6

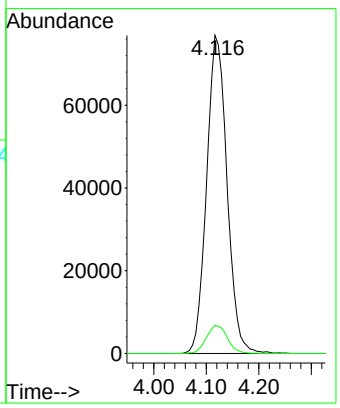




#17
Carbon Disulfide
Concen: 106.011 ug/l
RT: 4.116 min Scan# 39
Delta R.T. -0.012 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 76 Resp: 207648

Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.9	10.3



Instrument :
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ClientSampleId :
VSTDICC100

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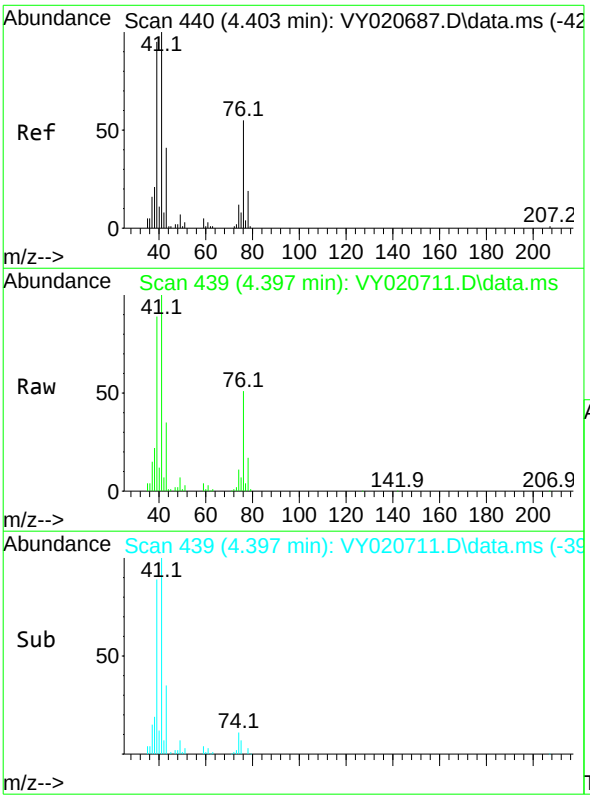
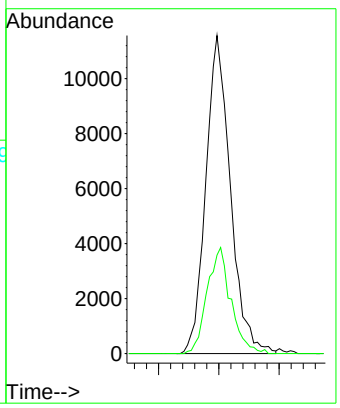
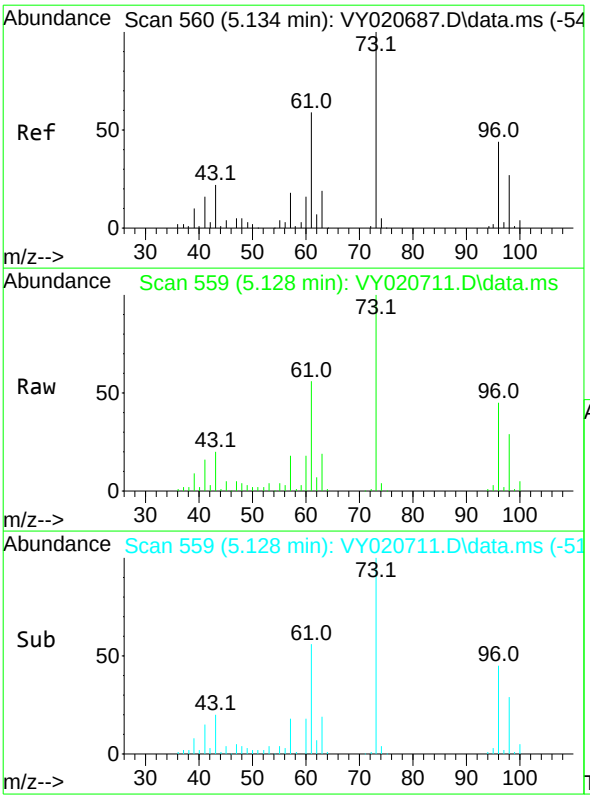


#18
Methyl Acetate
Concen: 99.589 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 43 Resp: 32722

Ion	Ratio	Lower	Upper
43	100		
74	32.3	25.3	37.9

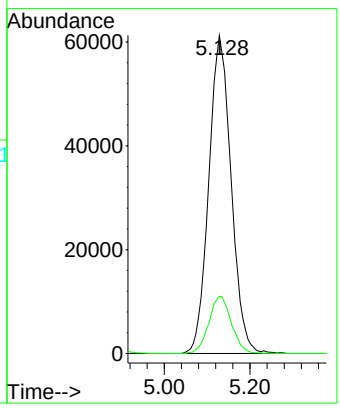




#19
Methyl tert-butyl Ether
Concen: 99.833 ug/l
RT: 5.128 min Scan# 55
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 73 Resp: 222187

Ion	Ratio	Lower	Upper
73	100		
57	17.9	14.4	21.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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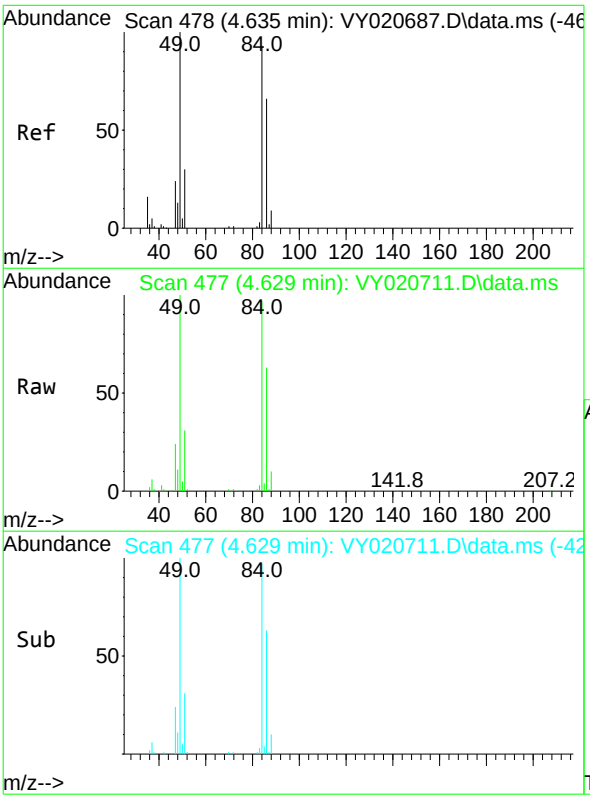
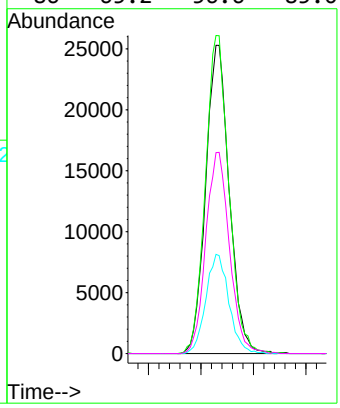
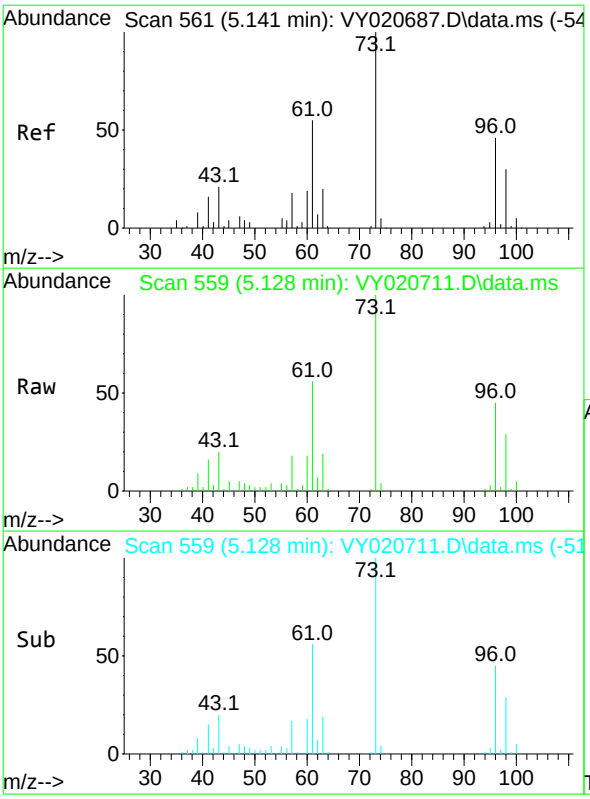


#20
Methylene Chloride
Concen: 99.904 ug/l
RT: 4.629 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 84 Resp: 78882

Ion	Ratio	Lower	Upper
84	100		
49	103.2	86.4	129.6
51	32.2	25.5	38.3
86	65.2	56.6	85.0

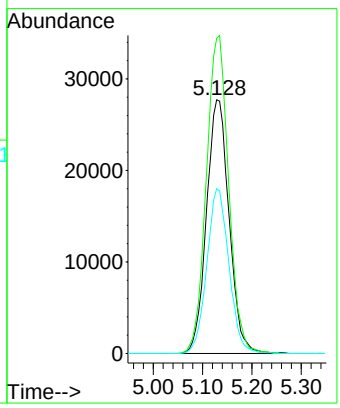




#21
trans-1,2-Dichloroethene
Concen: 102.532 ug/l
RT: 5.128 min Scan# 55
Delta R.T. -0.013 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 96 Resp: 88224

Ion	Ratio	Lower	Upper
96	100		
61	124.3	96.1	144.1
98	64.9	52.7	79.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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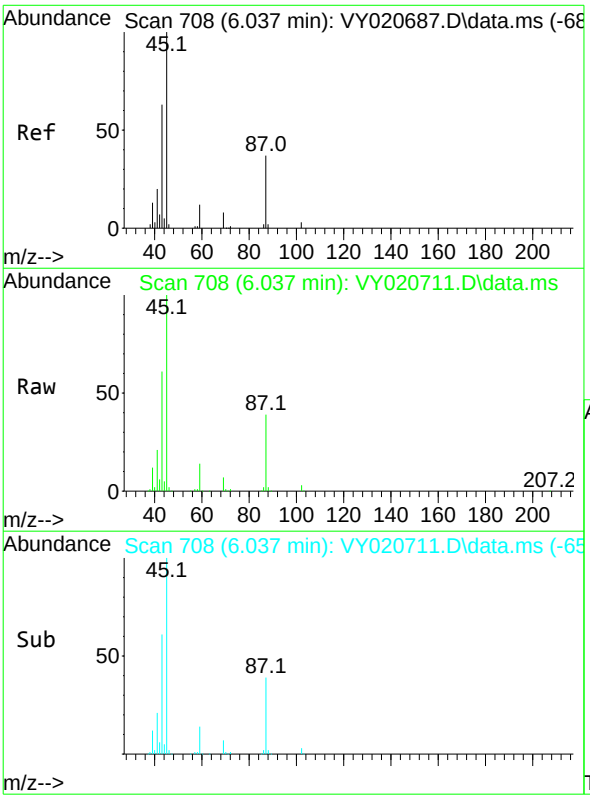
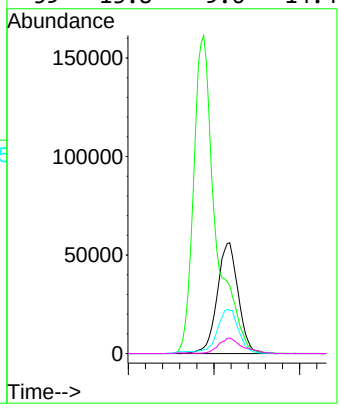
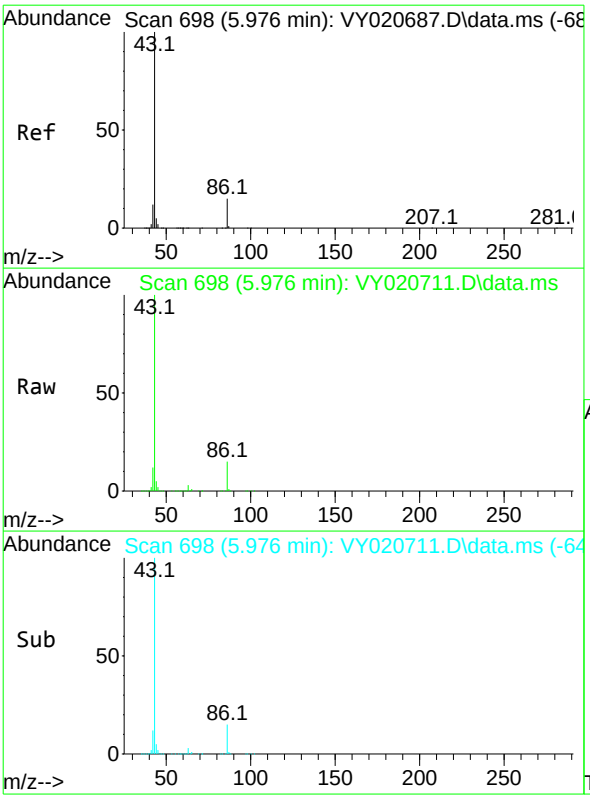


#22
Diisopropyl ether
Concen: 100.743 ug/l
RT: 6.037 min Scan# 708
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 45 Resp: 191362

Ion	Ratio	Lower	Upper
45	100		
43	61.0	51.3	76.9
87	38.8	30.6	46.0
59	13.8	9.6	14.4

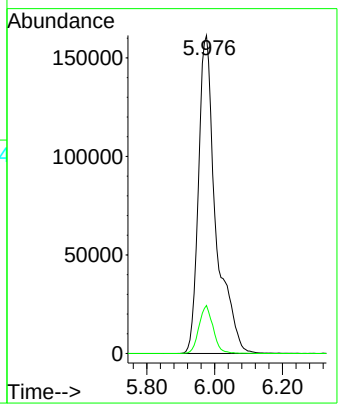




#23
Vinyl Acetate
Concen: 506.073 ug/l
RT: 5.976 min Scan# 69
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 43 Resp: 574176

Ion	Ratio	Lower	Upper
43	100		
86	15.1	12.0	18.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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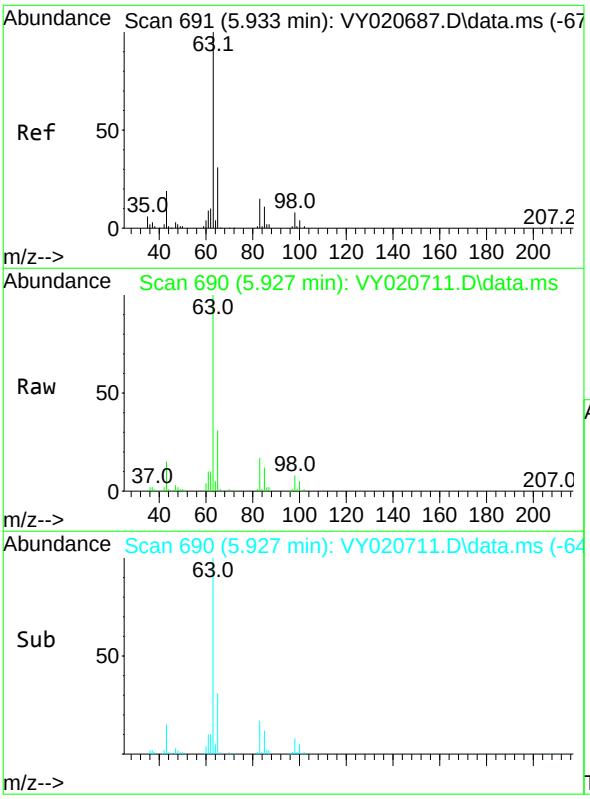
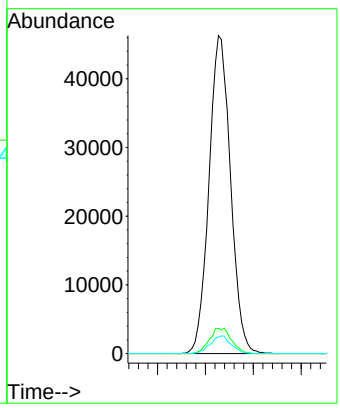
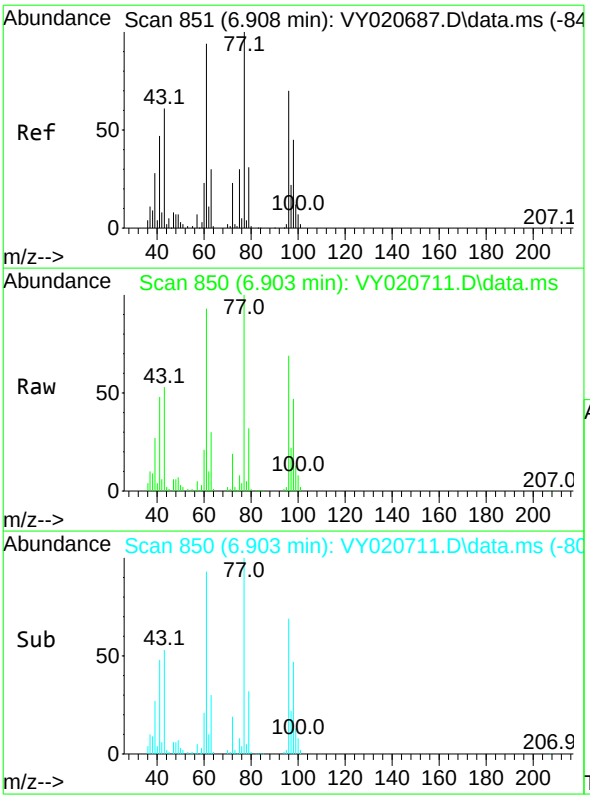


#24
1,1-Dichloroethane
Concen: 101.659 ug/l
RT: 5.927 min Scan# 690
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 63 Resp: 144777

Ion	Ratio	Lower	Upper
63	100		
98	7.9	4.0	12.0
100	5.2	2.1	6.2

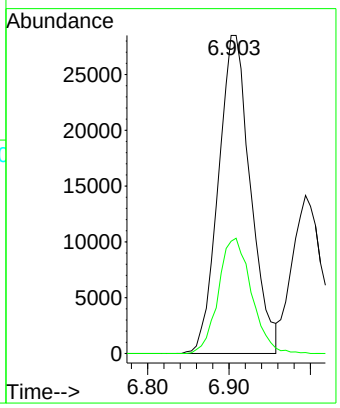




#25
2-Butanone
Concen: 477.386 ug/l
RT: 6.903 min Scan# 85
Delta R.T. -0.005 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 43 Resp: 78288

Ion	Ratio	Lower	Upper
43	100		
72	35.3	29.5	44.3



Instrument :
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ClientSampleId :
VSTDICC100

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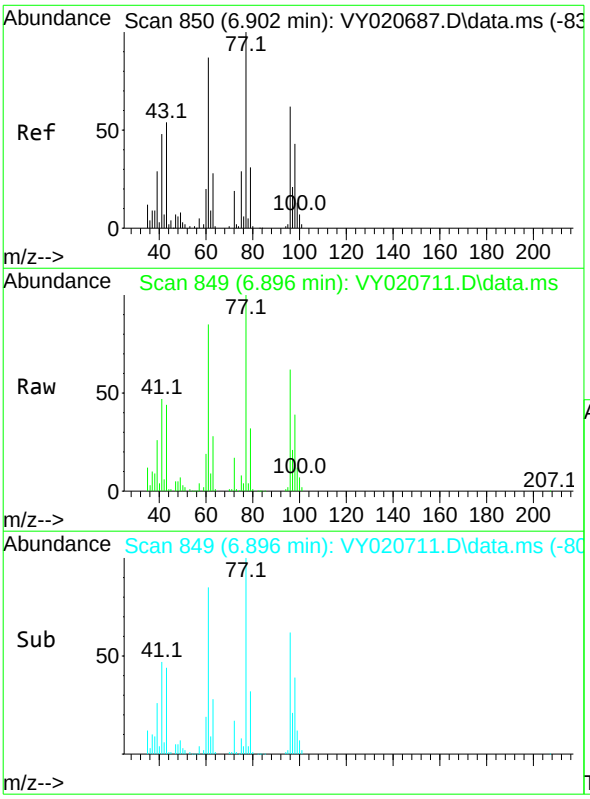
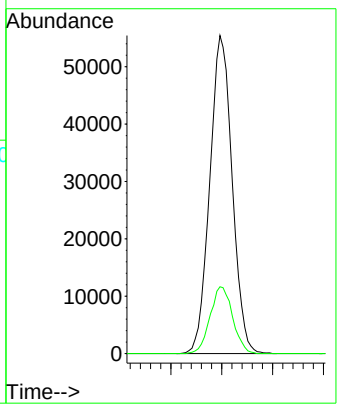
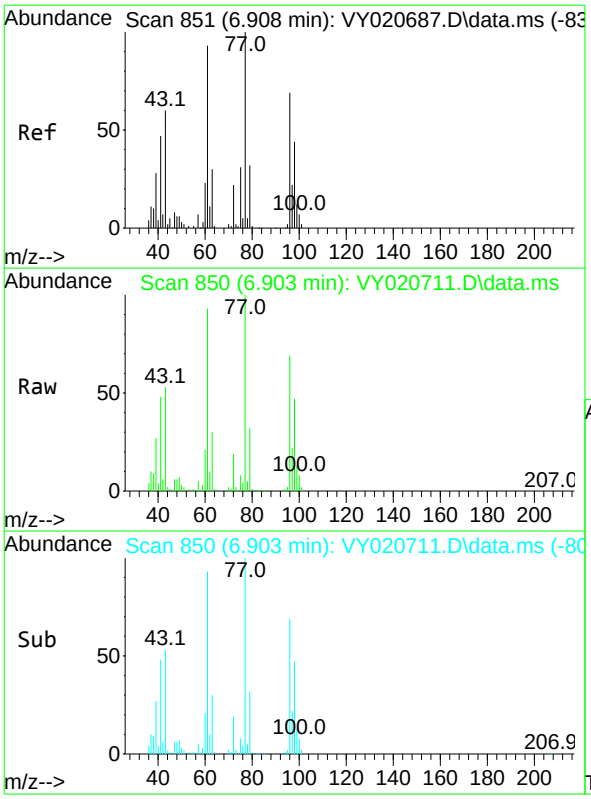


#26
2,2-Dichloropropane
Concen: 97.206 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 77 Resp: 169441

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.8	32.4





#27
cis-1,2-Dichloroethene
Concen: 101.307 ug/l
RT: 6.903 min Scan# 85
Delta R.T. -0.005 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 96 Resp: 104390

Ion	Ratio	Lower	Upper
96	100		
61	134.1	0.0	277.2
98	64.7	0.0	131.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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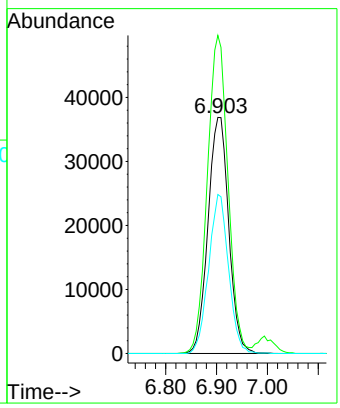
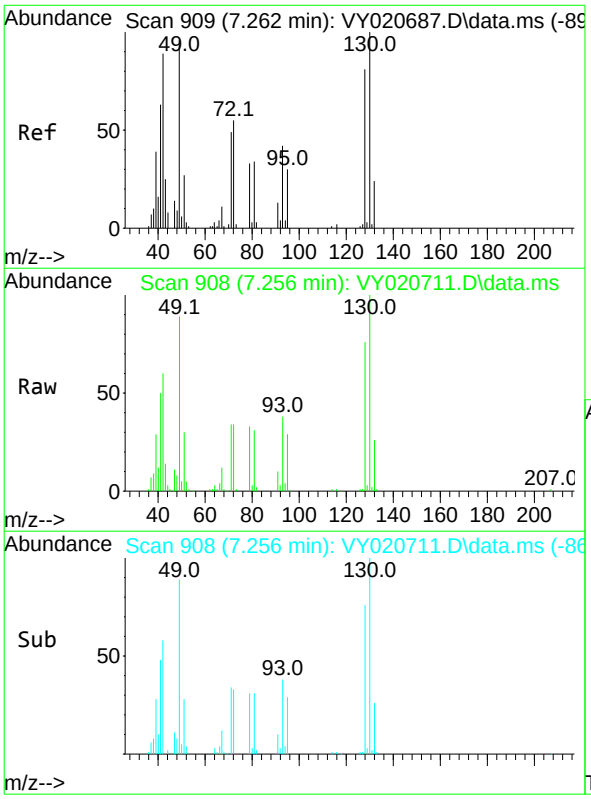
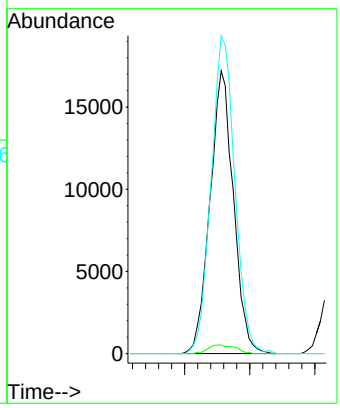


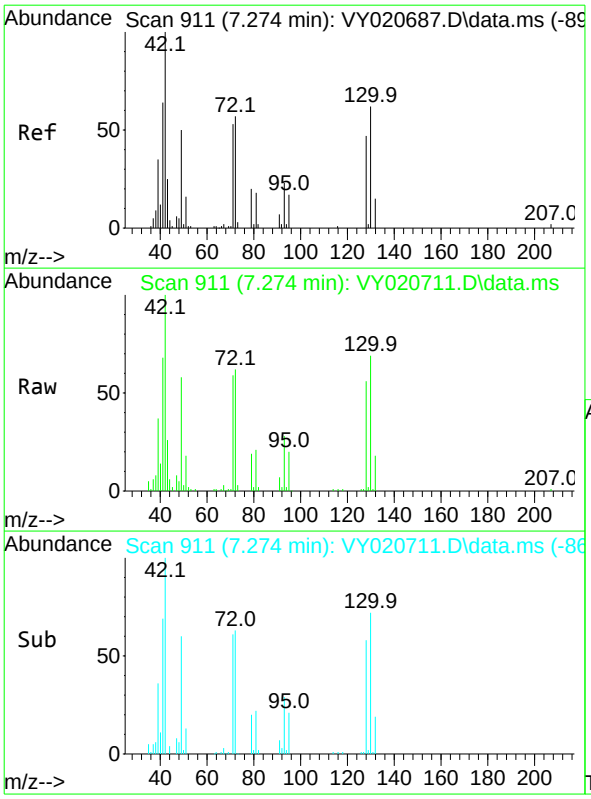


#28
Bromochloromethane
Concen: 114.037 ug/l
RT: 7.256 min Scan# 908
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 49 Resp: 42948

Ion	Ratio	Lower	Upper
49	100		
129	3.6	0.0	5.4
130	113.9	87.2	130.8

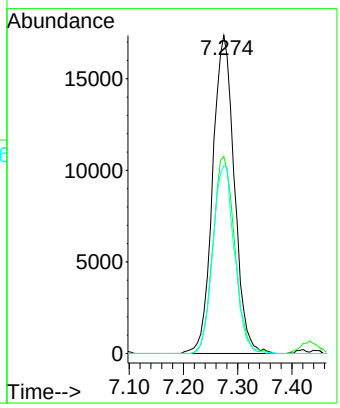




#29
Tetrahydrofuran
Concen: 478.582 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 42 Resp: 48175

Ion	Ratio	Lower	Upper
42	100		
72	62.0	47.4	71.0
71	59.3	42.8	64.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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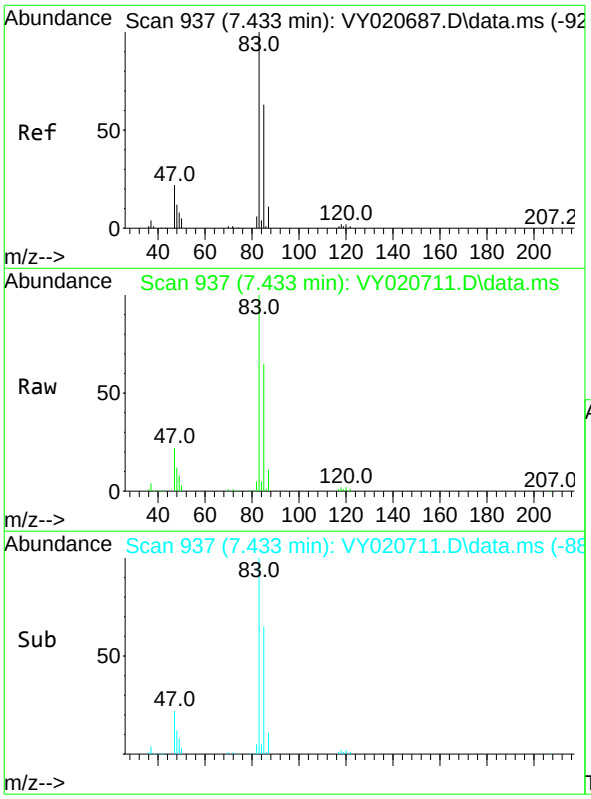
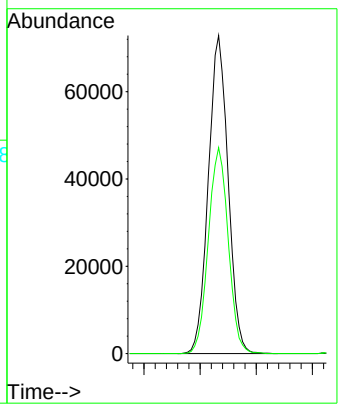
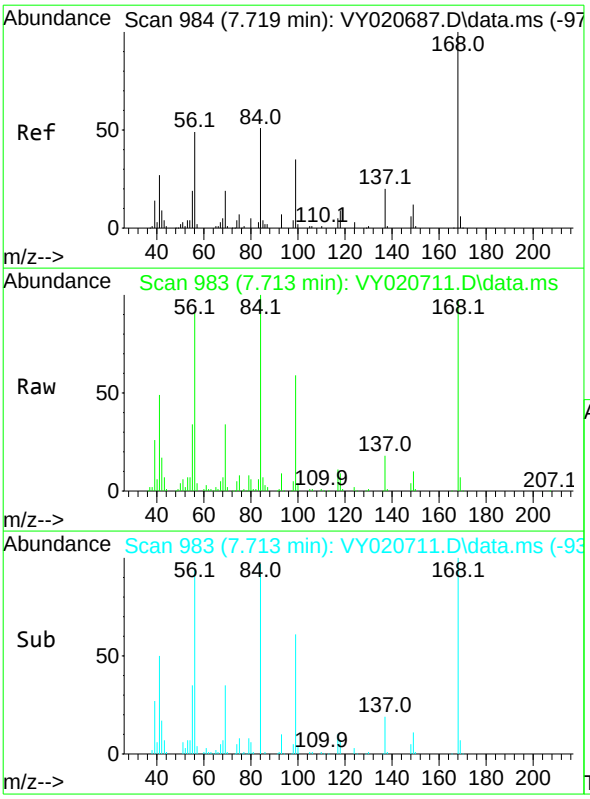


#30
Chloroform
Concen: 97.216 ug/l
RT: 7.433 min Scan# 937
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 83 Resp: 178101

Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.2	75.2

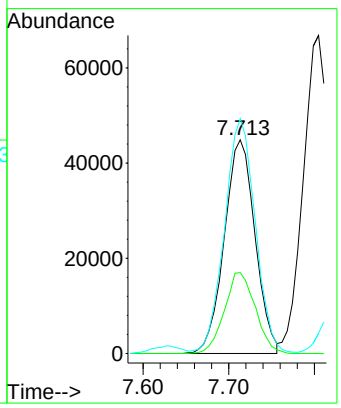




#31
Cyclohexane
Concen: 91.072 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 56 Resp: 111954

Ion	Ratio	Lower	Upper
56	100		
69	37.8	31.3	46.9
84	107.4	83.9	125.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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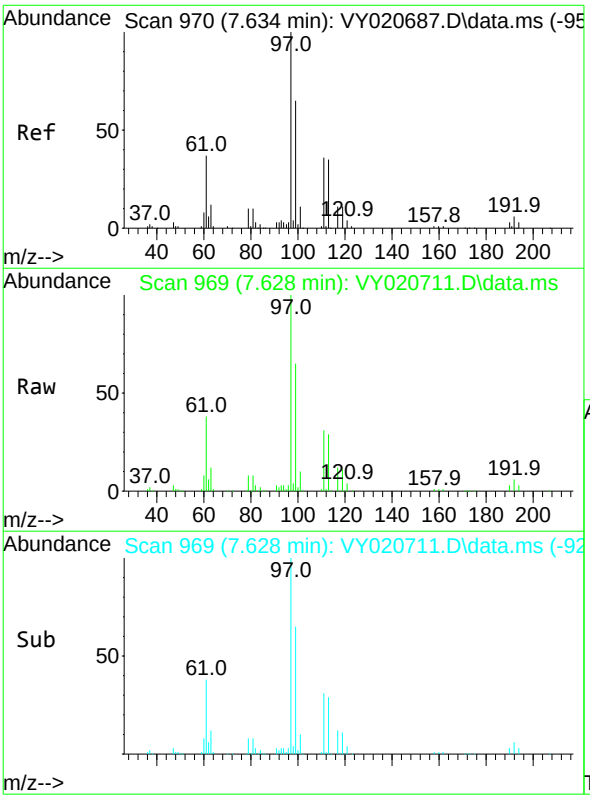
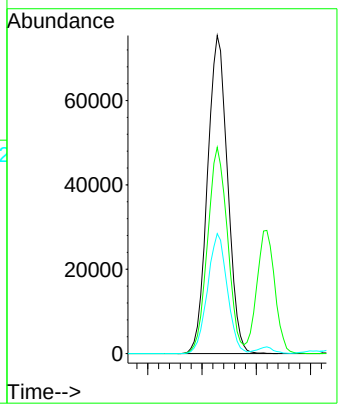
Supervised By :Semsettin Yesilyurt 12/27/2024

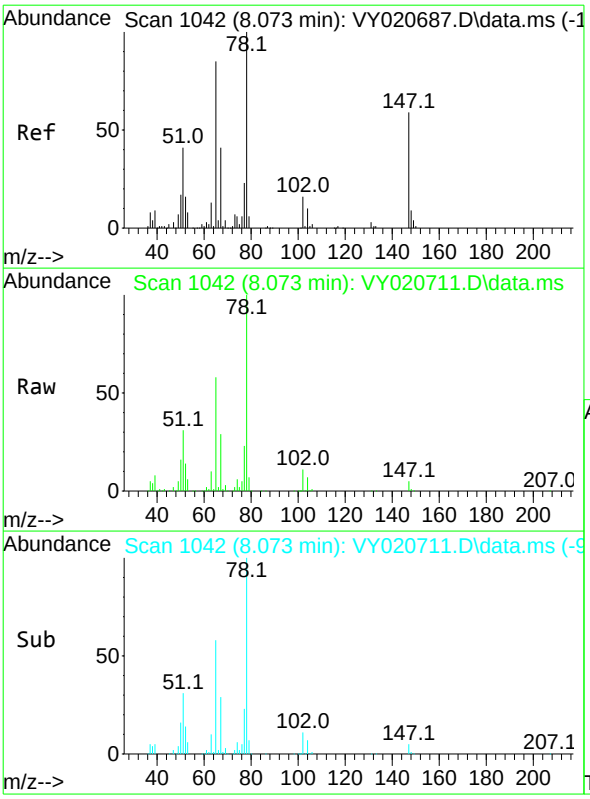


#32
1,1,1-Trichloroethane
Concen: 98.873 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 97 Resp: 194164

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.6
61	37.0	30.0	45.0

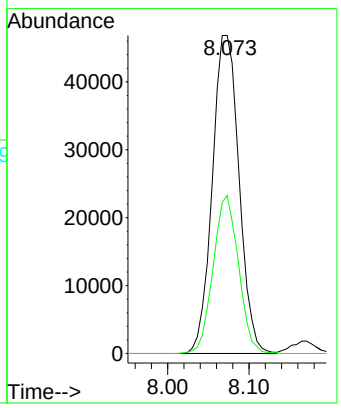




#33
1,2-Dichloroethane-d4
Concen: 111.689 ug/l
RT: 8.073 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 65 Resp: 106883

Ion	Ratio	Lower	Upper
65	100		
67	47.1	0.0	98.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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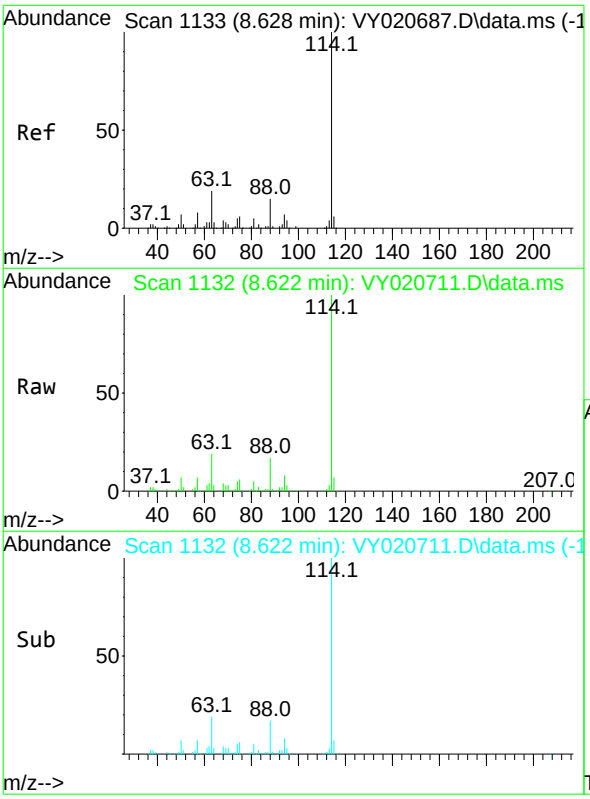
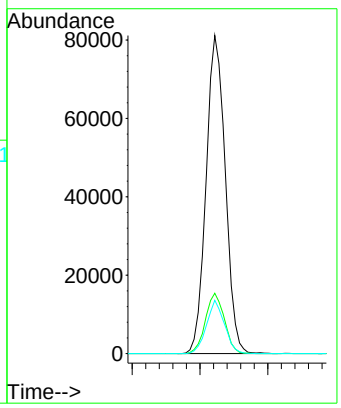
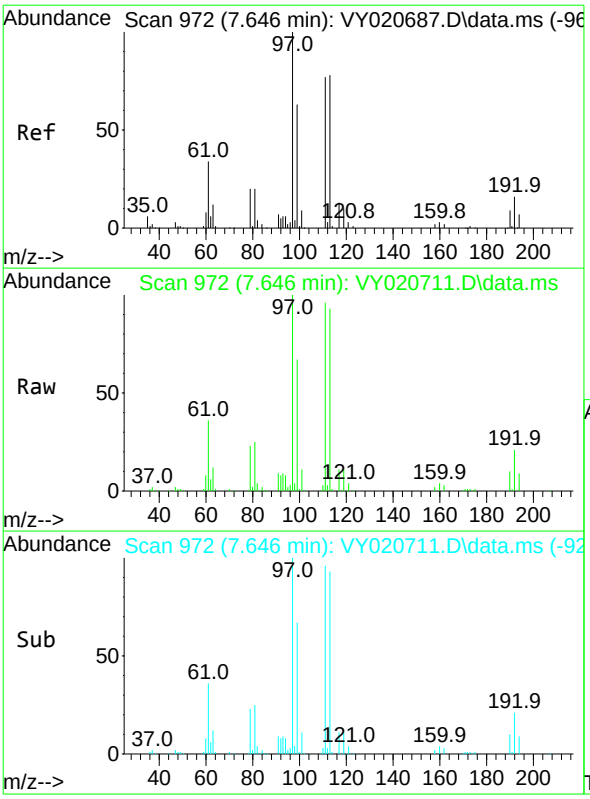


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:114 Resp: 159804

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	38.4
88	16.7	0.0	30.4





#35
Dibromofluoromethane
Concen: 111.484 ug/l
RT: 7.646 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:113 Resp: 98131

Ion	Ratio	Lower	Upper
113	100		
111	102.4	79.8	119.8
192	21.8	17.0	25.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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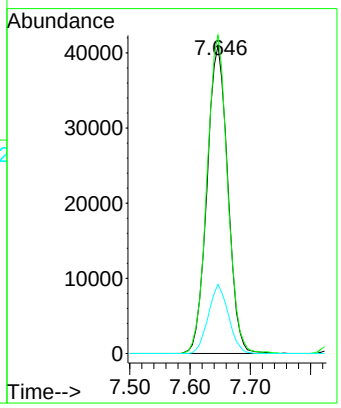
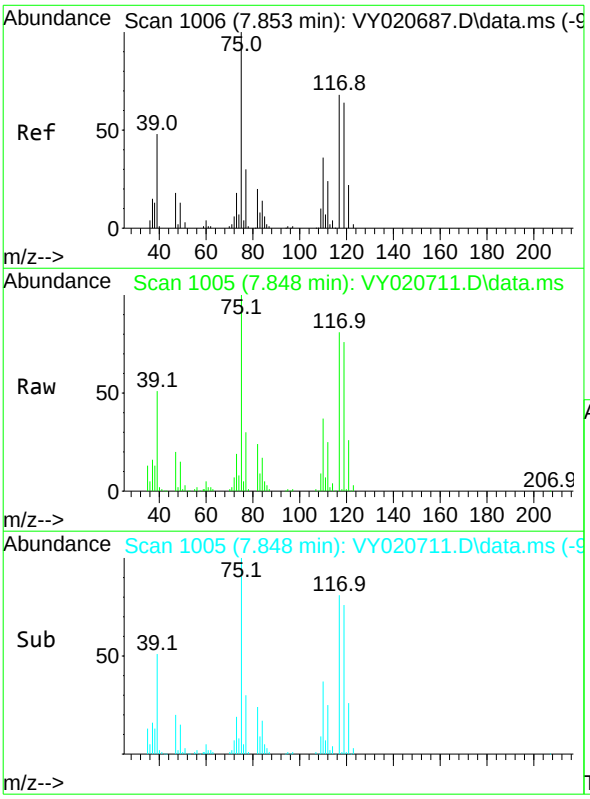
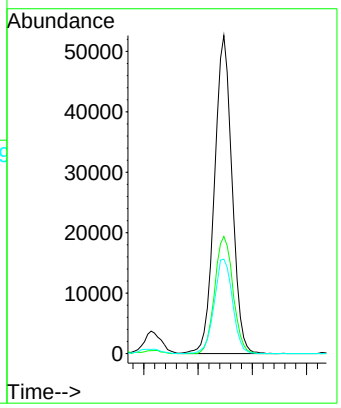


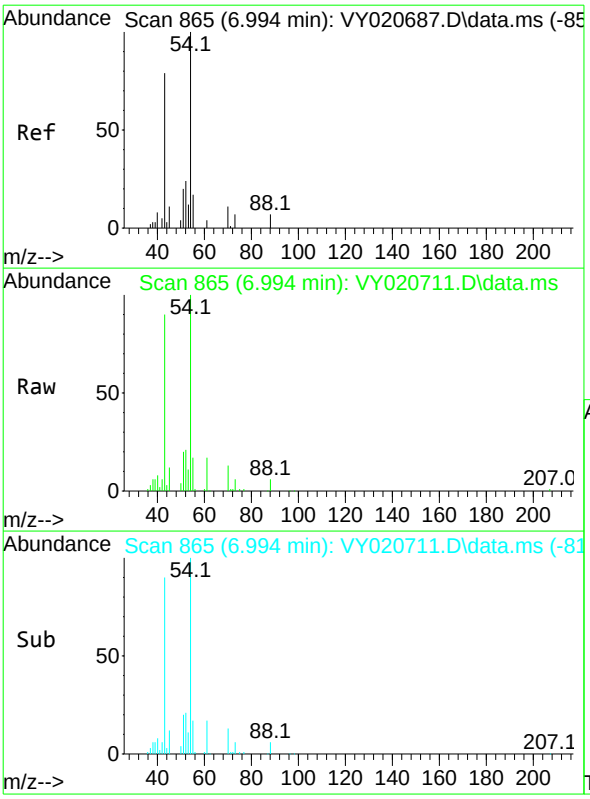


#36
1,1-Dichloropropene
Concen: 101.669 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. -0.005 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 75 Resp: 118213

Ion	Ratio	Lower	Upper
75	100		
110	38.3	19.6	58.7
77	31.0	25.1	37.7

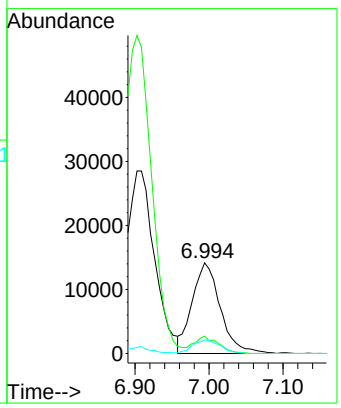




#37
Ethyl Acetate
Concen: 97.751 ug/l
RT: 6.994 min Scan# 86
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 43 Resp: 37453

Ion	Ratio	Lower	Upper
43	100		
61	16.1	11.7	17.5
70	14.6	11.0	16.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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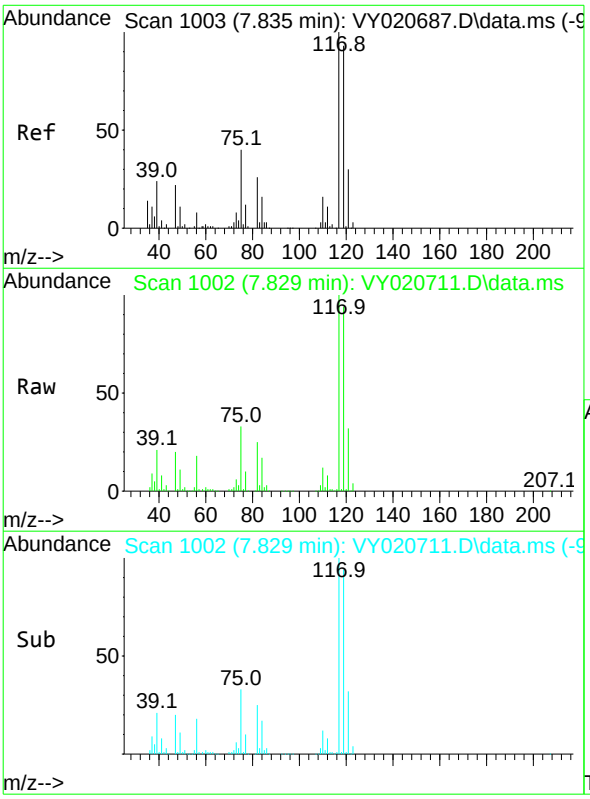
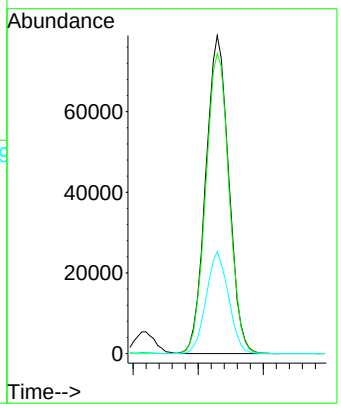
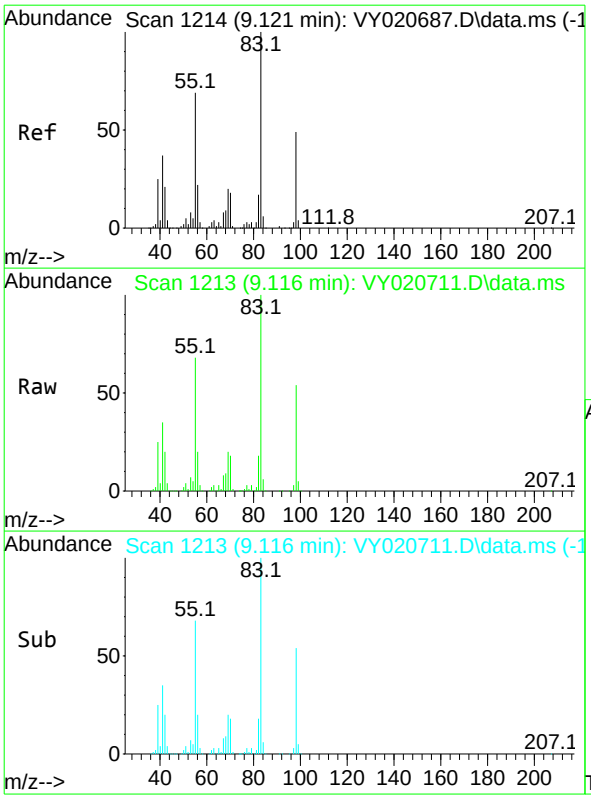


#38
Carbon Tetrachloride
Concen: 101.190 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:117 Resp: 193743

Ion	Ratio	Lower	Upper
117	100		
119	94.3	74.4	111.6
121	32.1	24.2	36.2





#39
Methylcyclohexane
Concen: 101.582 ug/l
RT: 9.116 min Scan# 12
Delta R.T. -0.005 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 83 Resp: 151388

Ion	Ratio	Lower	Upper
83	100		
55	67.8	55.0	82.4
98	53.9	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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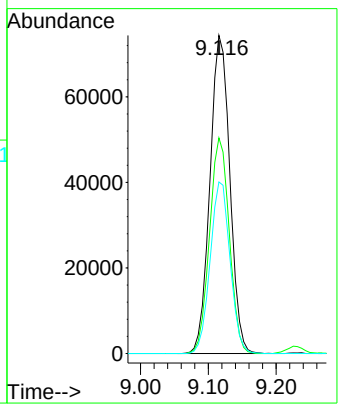
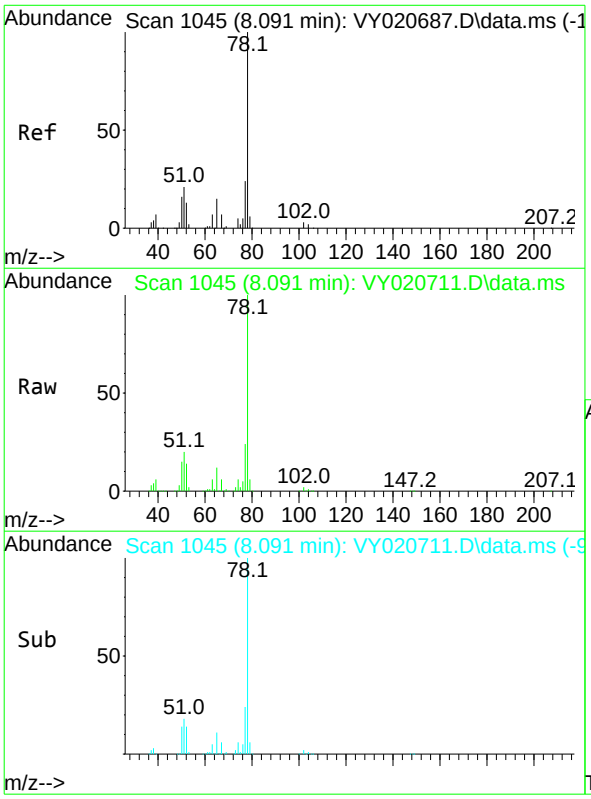
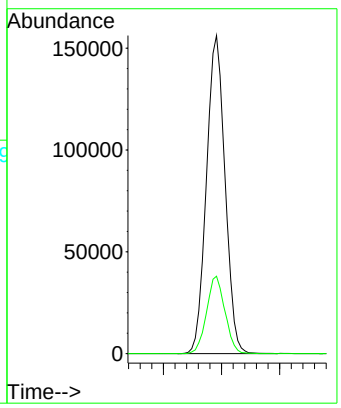


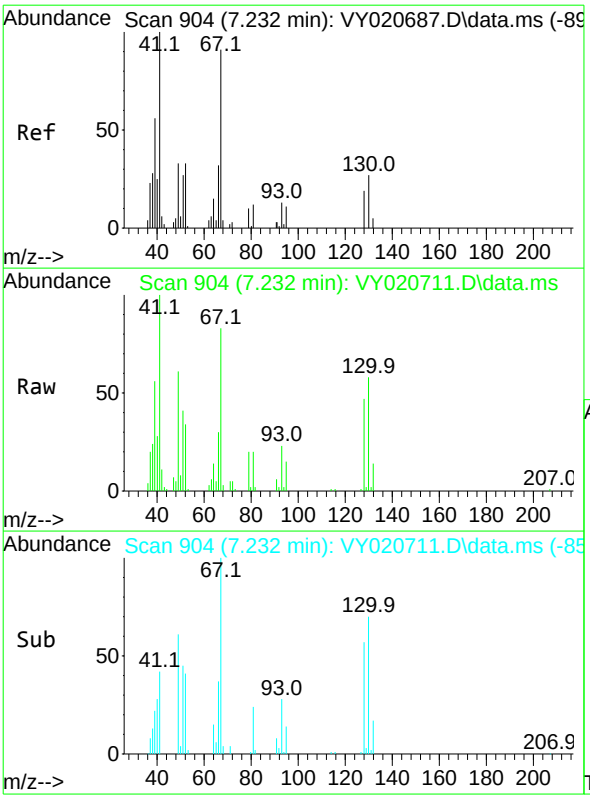


#40
Benzene
Concen: 102.763 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 78 Resp: 346286

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.2	28.8

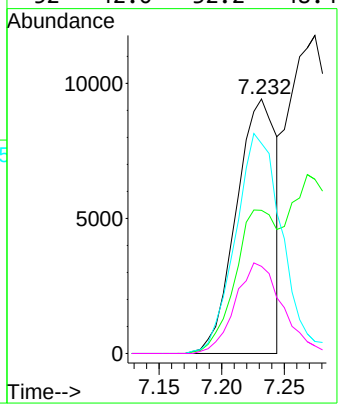




#41
Methacrylonitrile
Concen: 107.636 ug/l
RT: 7.232 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 41 Resp: 20832

Ion	Ratio	Lower	Upper
41	100		
39	58.3	46.6	70.0
67	101.0	74.7	112.1
52	42.0	32.2	48.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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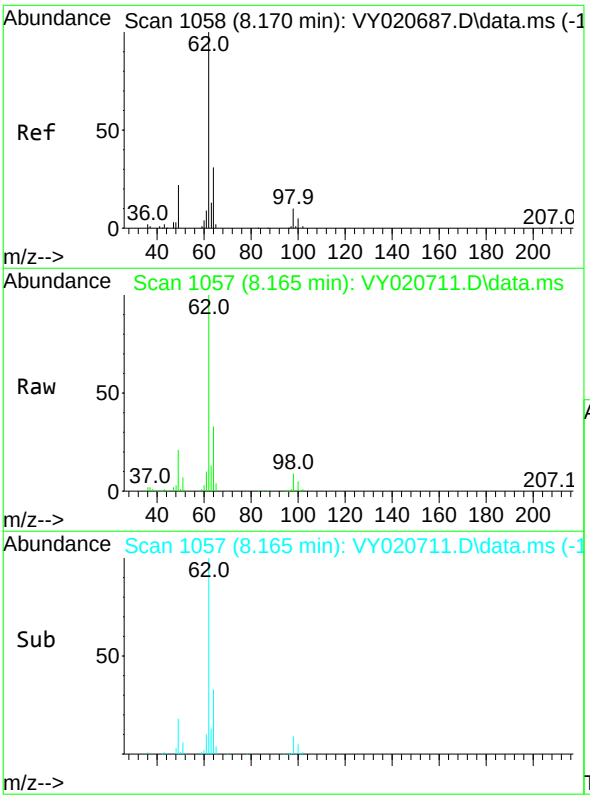
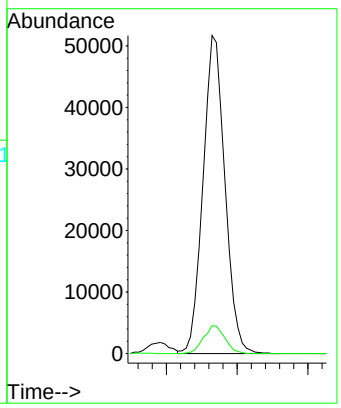
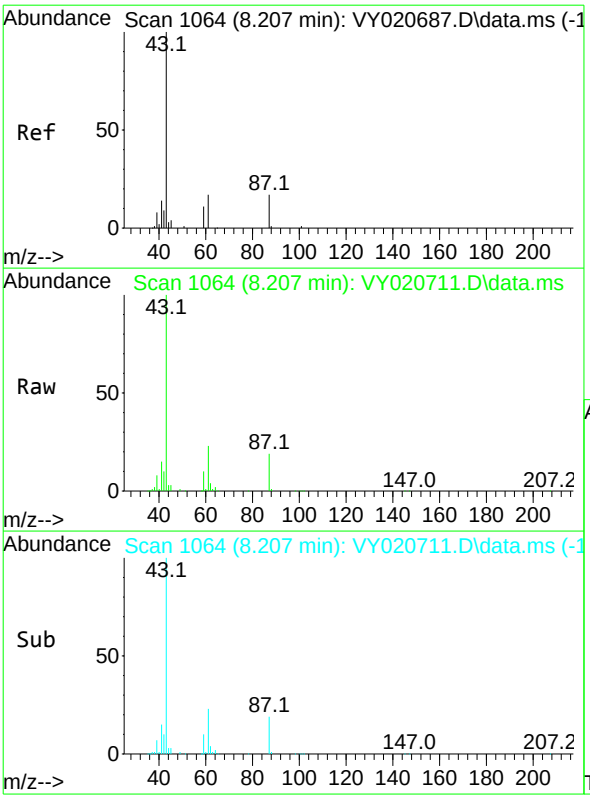


#42
1,2-Dichloroethane
Concen: 102.849 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. -0.005 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 62 Resp: 111130

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.6

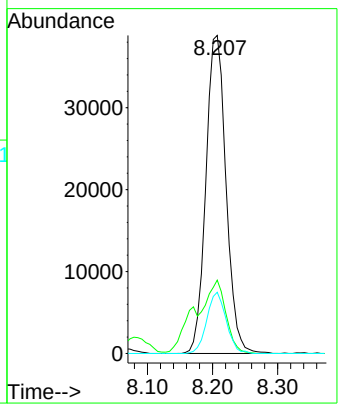




#43
Isopropyl Acetate
Concen: 102.557 ug/l
RT: 8.207 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 43 Resp: 83521

Ion	Ratio	Lower	Upper
43	100		
61	21.7	27.0	40.4#
87	18.5	14.2	21.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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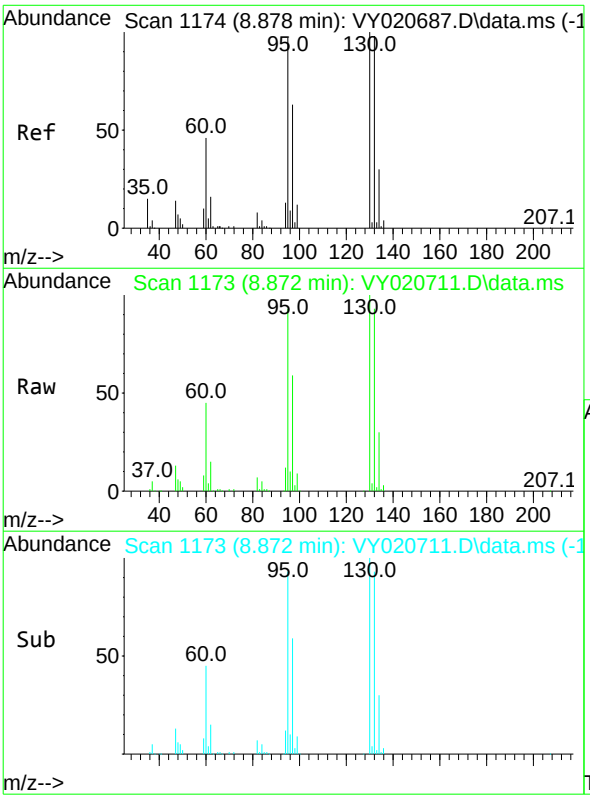
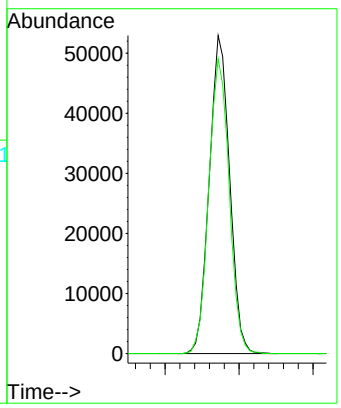
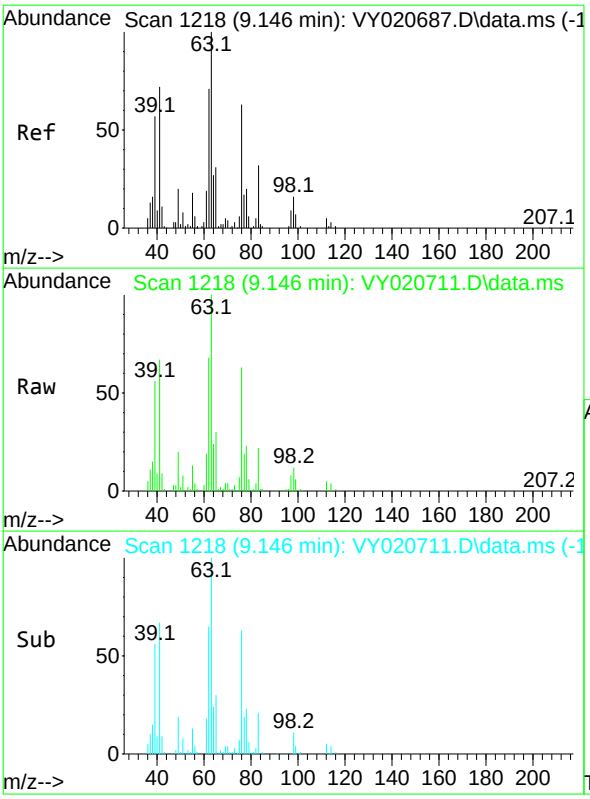


#44
Trichloroethene
Concen: 100.585 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:130 Resp: 101237

Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	194.8

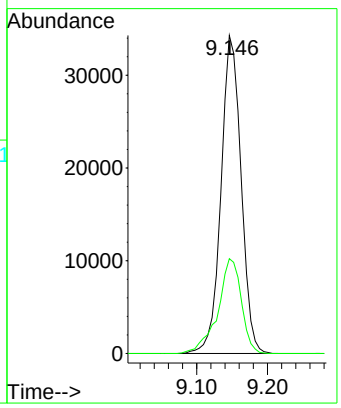




#45
1,2-Dichloropropane
Concen: 98.968 ug/l
RT: 9.146 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 63 Resp: 67508

Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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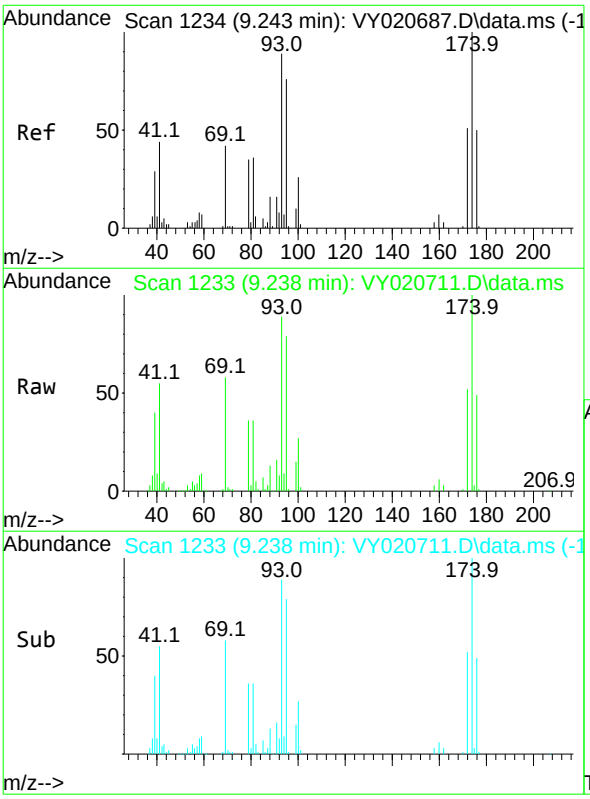
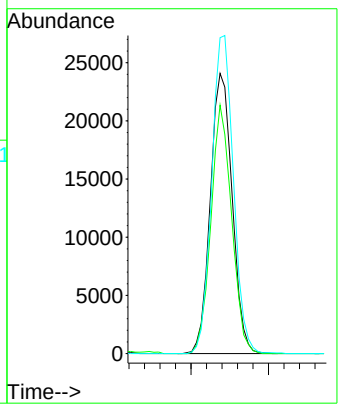
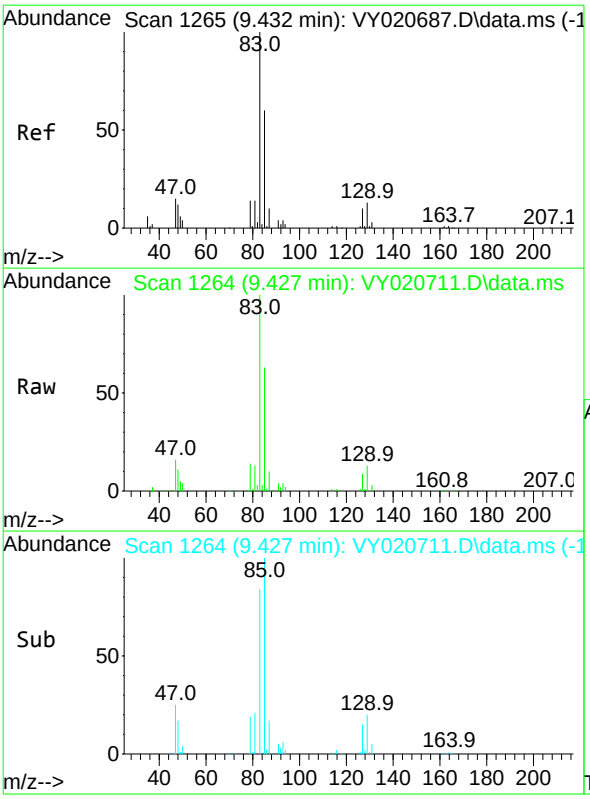


#46
Dibromomethane
Concen: 99.962 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. -0.005 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 93 Resp: 47179

Ion	Ratio	Lower	Upper
93	100		
95	83.8	67.8	101.8
174	112.7	89.4	134.0

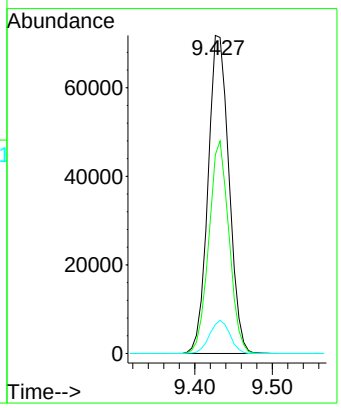




#47
Bromodichloromethane
Concen: 100.613 ug/l
RT: 9.427 min Scan# 12
Delta R.T. -0.005 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 83 Resp: 134627

Ion	Ratio	Lower	Upper
83	100		
85	62.5	47.6	71.4
127	9.1	7.9	11.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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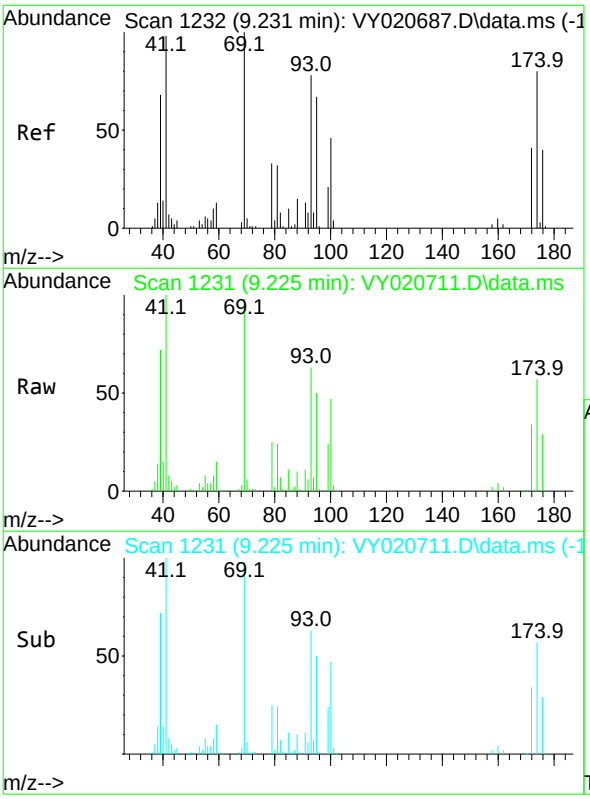
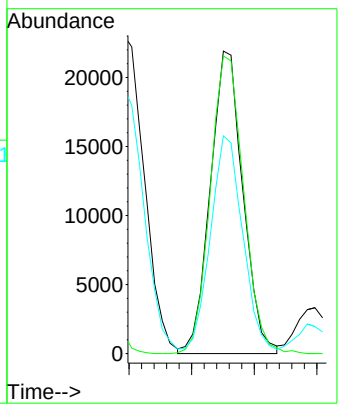
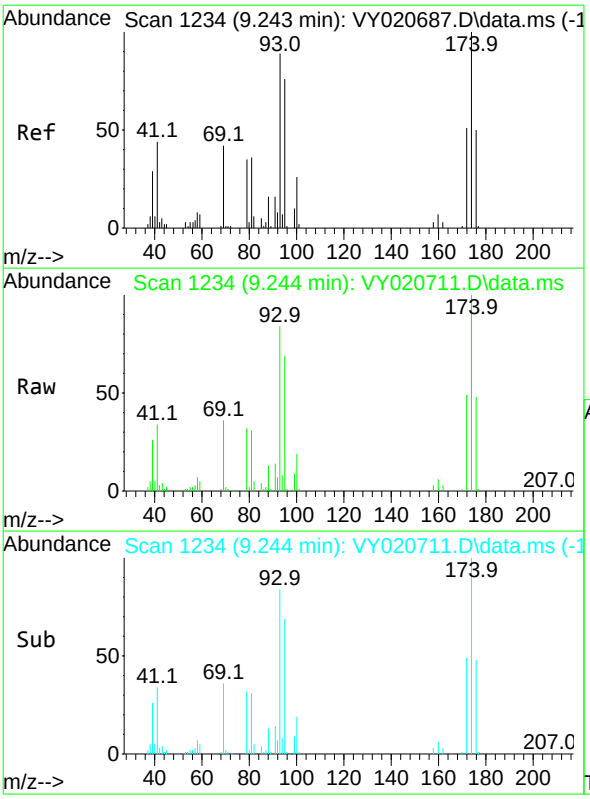


#48
Methyl methacrylate
Concen: 104.314 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 41 Resp: 39672

Ion	Ratio	Lower	Upper
41	100		
69	100.4	83.1	124.7
39	69.2	57.3	85.9





#49
1,4-Dioxane
Concen: 2030.846 ug/l
RT: 9.244 min Scan# 12
Delta R.T. 0.001 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 88 Resp: 9130

Ion	Ratio	Lower	Upper
88	100		
43	30.6	22.1	33.1
58	57.0	46.7	70.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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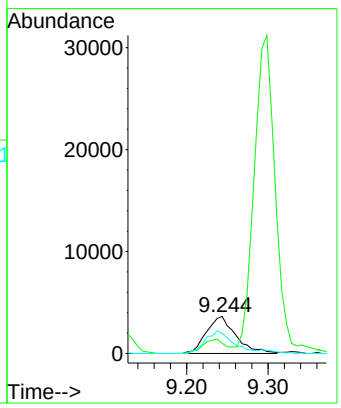
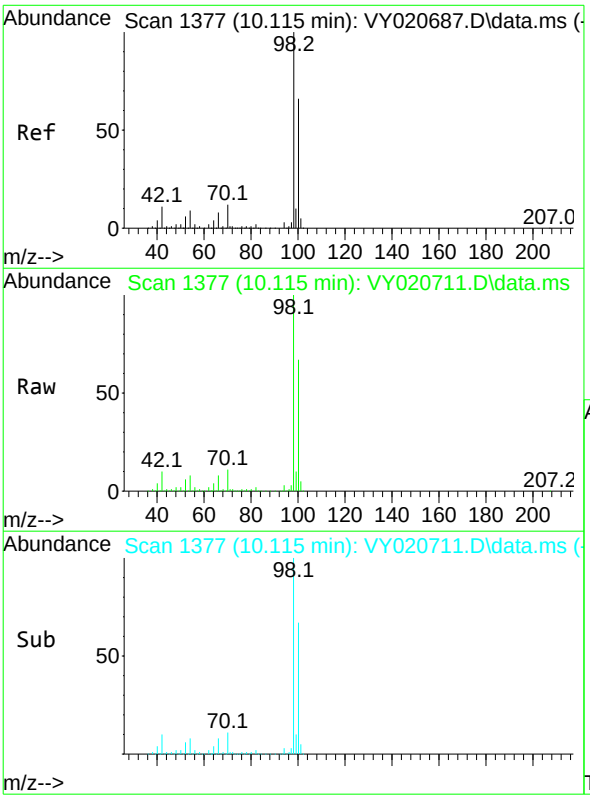
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

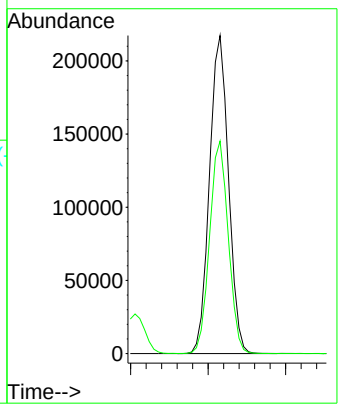


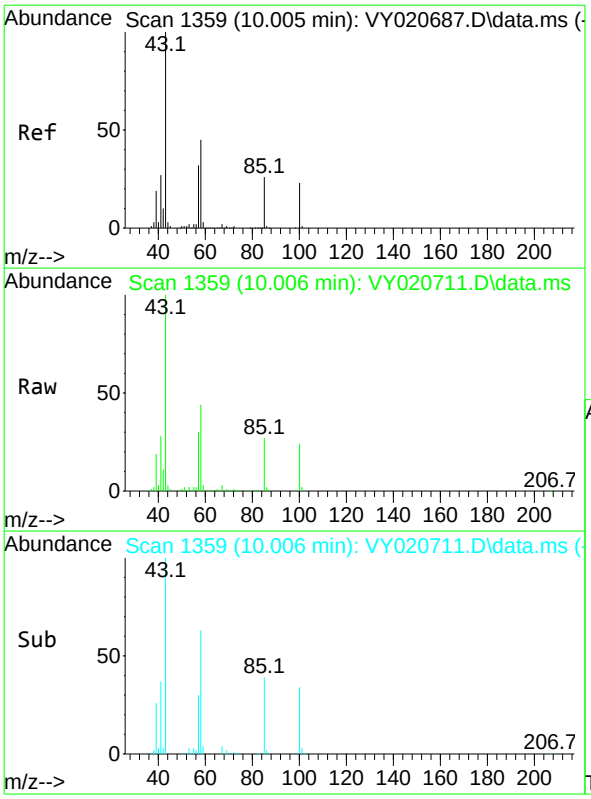


#50
Toluene-d8
Concen: 103.831 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 98 Resp: 370174

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.2	78.4

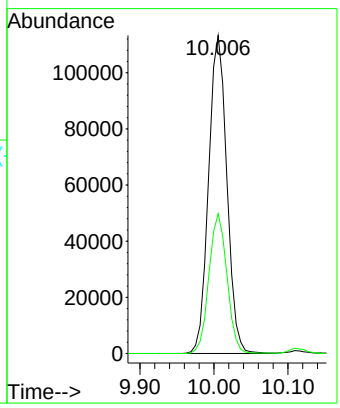




#51
4-Methyl-2-Pentanone
Concen: 493.895 ug/l
RT: 10.006 min Scan# 13
Delta R.T. 0.001 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 43 Resp: 194141

Ion	Ratio	Lower	Upper
43	100		
58	43.5	35.1	52.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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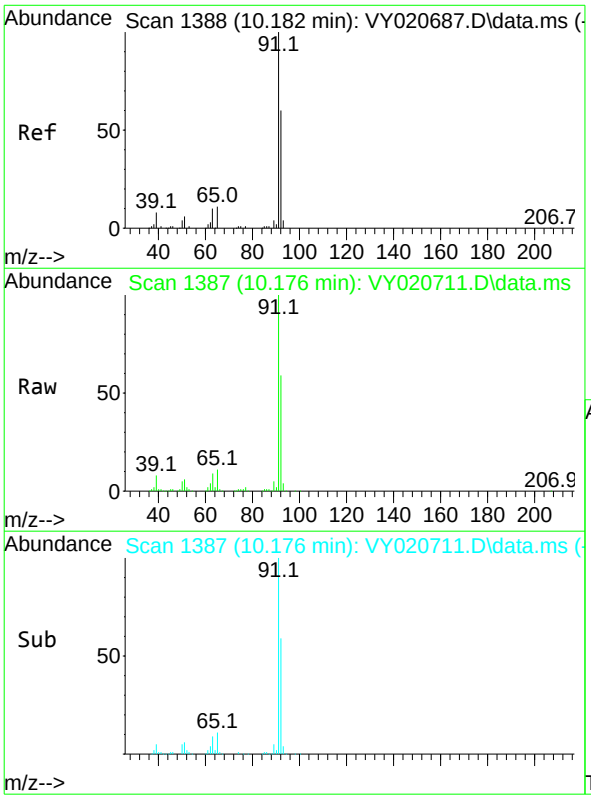
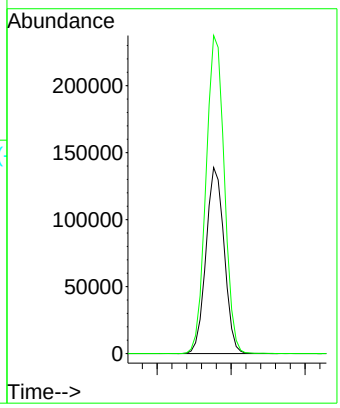
Supervised By :Semsettin Yesilyurt 12/27/2024

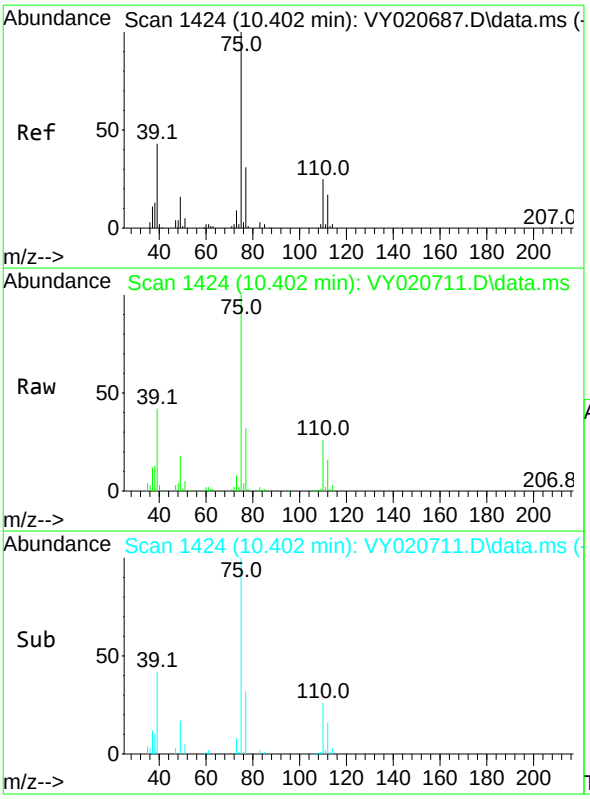


#52
Toluene
Concen: 102.558 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 92 Resp: 236867

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.7	206.5

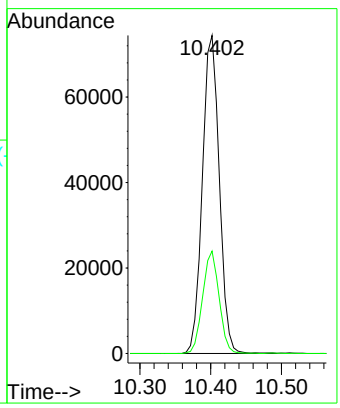




#53
t-1,3-Dichloropropene
Concen: 105.012 ug/l
RT: 10.402 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 75 Resp: 123413

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.1	37.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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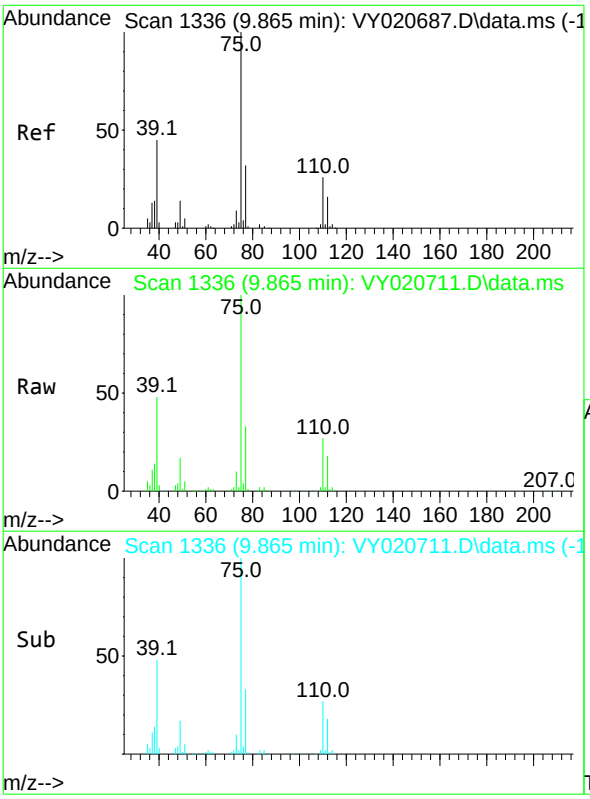
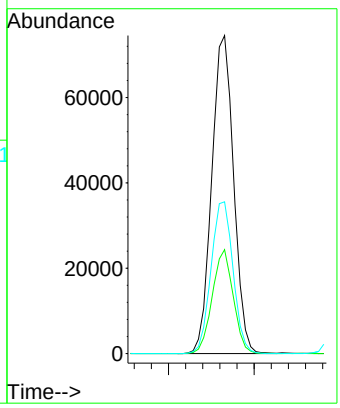
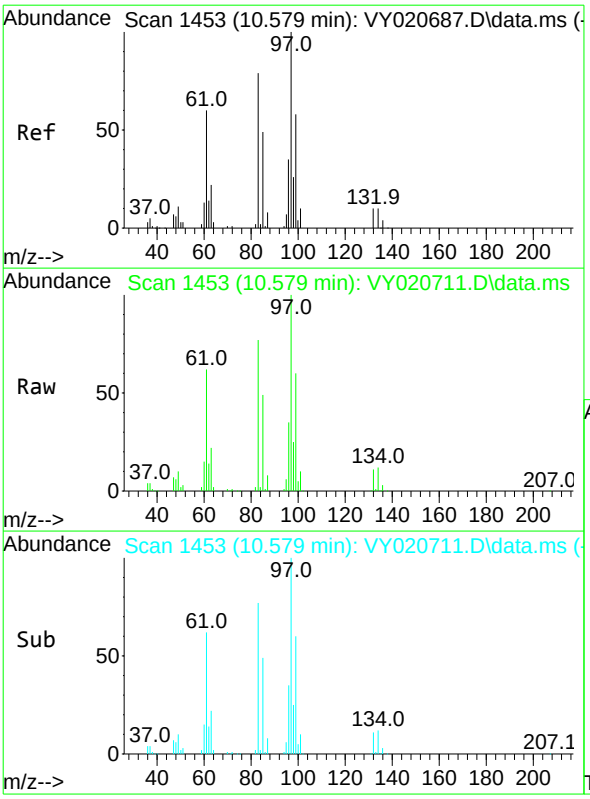


#54
cis-1,3-Dichloropropene
Concen: 102.590 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 75 Resp: 132154

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.6	38.4
39	47.7	36.2	54.2

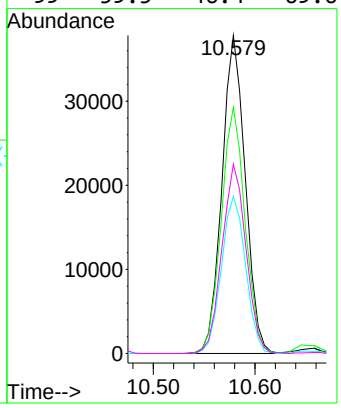




#55
1,1,2-Trichloroethane
Concen: 99.697 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 97 Resp: 60063

Ion	Ratio	Lower	Upper
97	100		
83	77.5	63.1	94.7
85	49.4	39.5	59.3
99	59.5	46.4	69.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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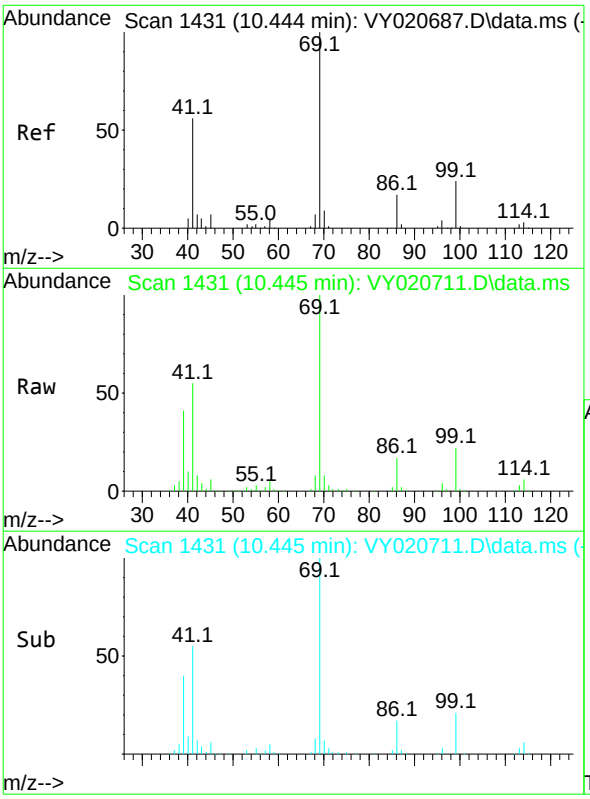
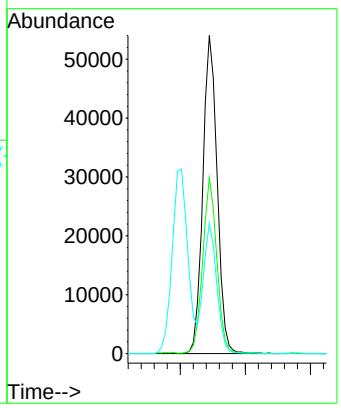
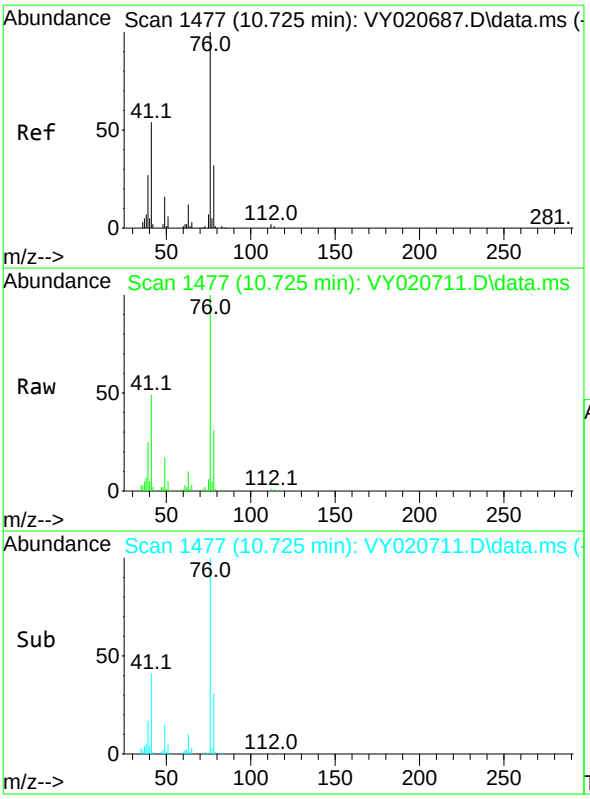


#56
Ethyl methacrylate
Concen: 104.330 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.001 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 69 Resp: 82573

Ion	Ratio	Lower	Upper
69	100		
41	54.4	43.8	65.6
39	37.7	32.0	48.0





#57
1,3-Dichloropropane
Concen: 103.074 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 76 Resp: 100785

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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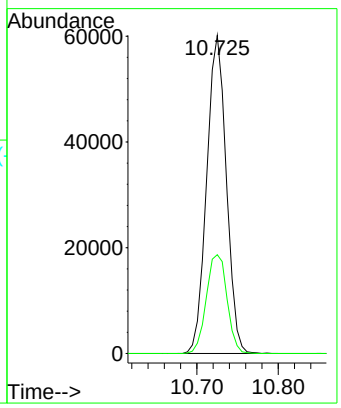
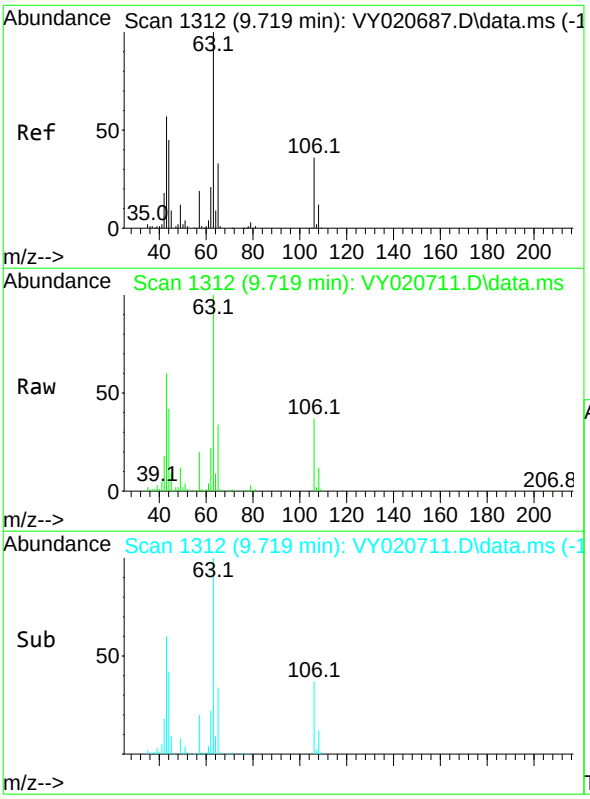
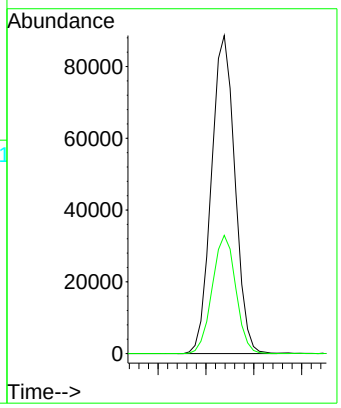


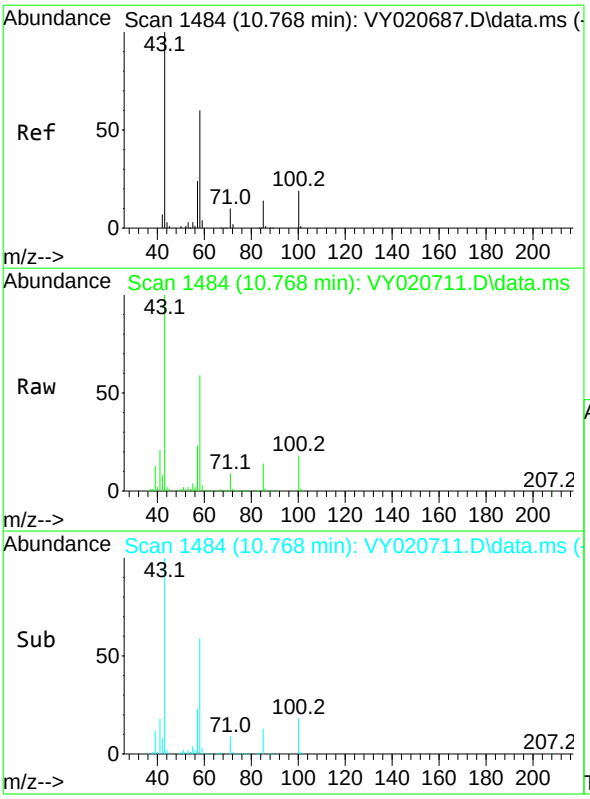


#58
2-Chloroethyl Vinyl ether
Concen: 547.868 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 63 Resp: 151207

Ion	Ratio	Lower	Upper
63	100		
106	37.2	29.1	43.7

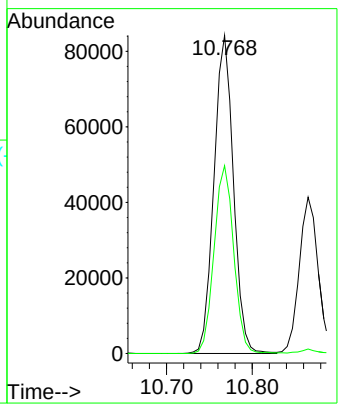




#59
2-Hexanone
Concen: 512.015 ug/l
RT: 10.768 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 43 Resp: 132885

Ion	Ratio	Lower	Upper
43	100		
58	59.7	30.1	90.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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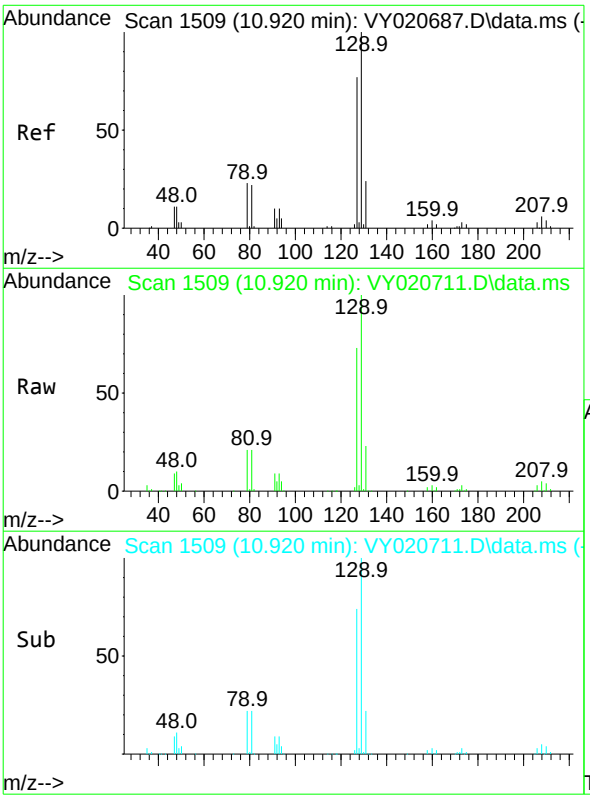
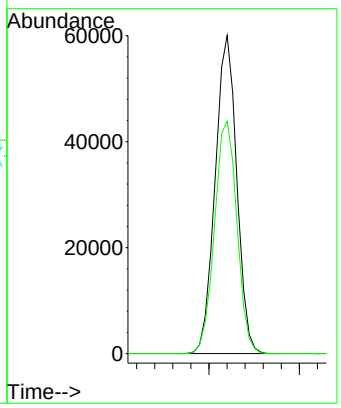
Supervised By :Semsettin Yesilyurt 12/27/2024

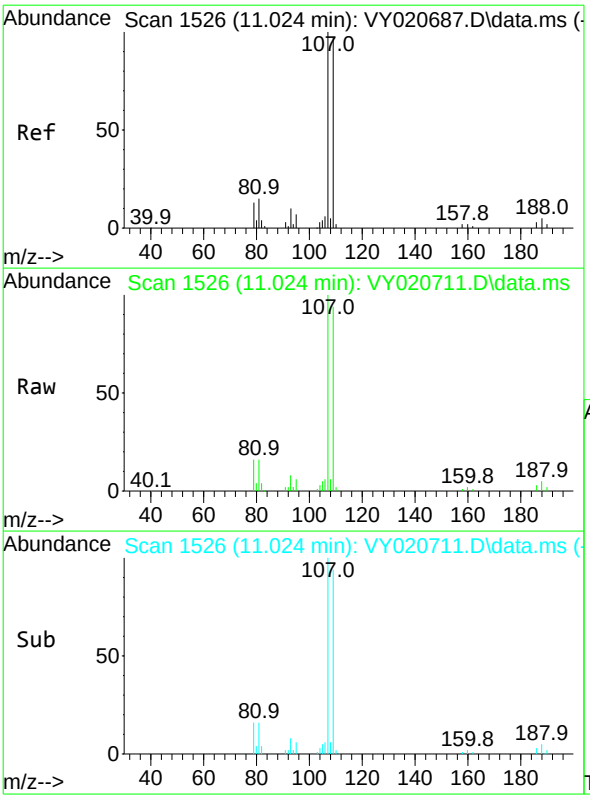


#60
Dibromochloromethane
Concen: 102.326 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:129 Resp: 99612

Ion	Ratio	Lower	Upper
129	100		
127	75.8	38.5	115.5





#61
1,2-Dibromoethane
Concen: 100.443 ug/l
RT: 11.024 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:107 Resp: 56939

Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.5	113.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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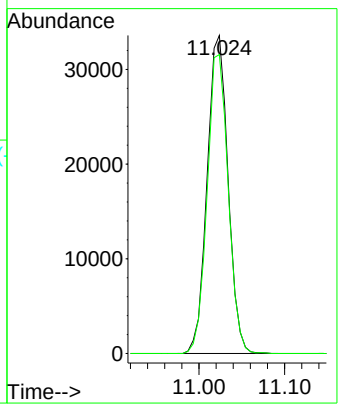
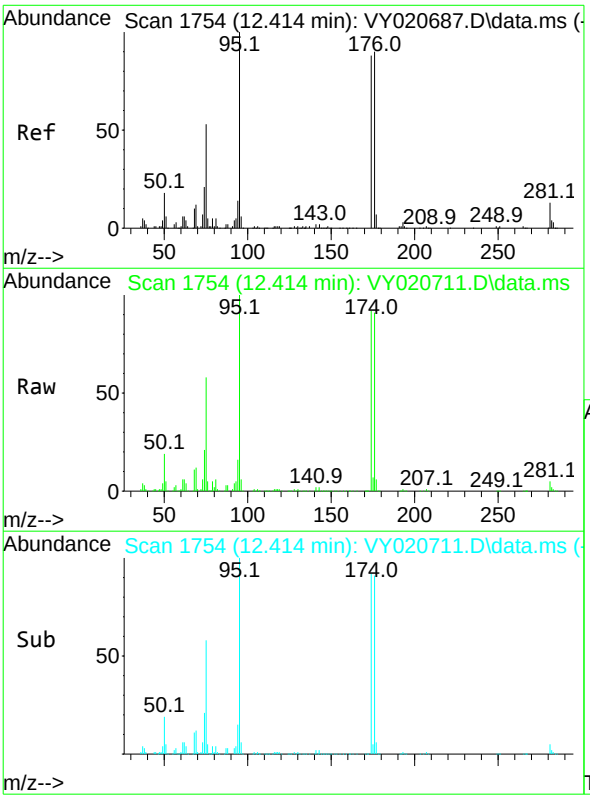
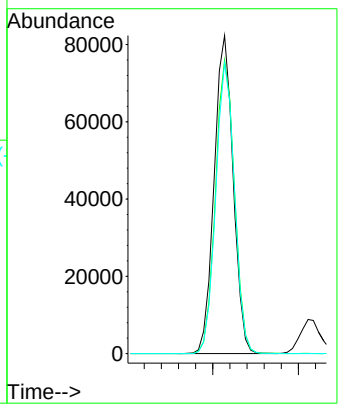


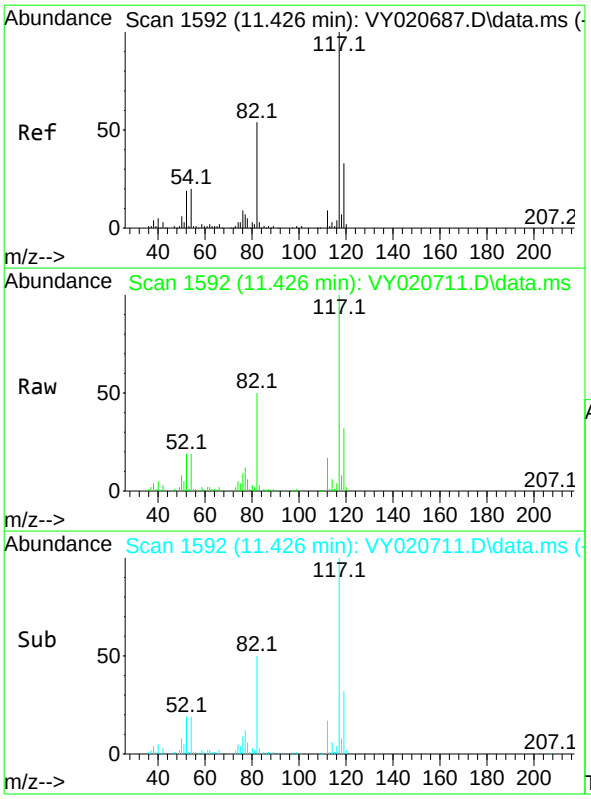


#62
4-Bromofluorobenzene
Concen: 108.473 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 95 Resp: 126890

Ion	Ratio	Lower	Upper
95	100		
174	92.3	0.0	179.2
176	90.0	0.0	179.8

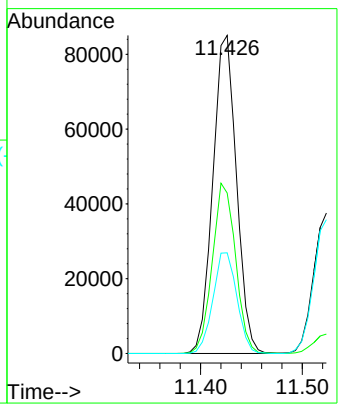




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:117 Resp: 137258

Ion	Ratio	Lower	Upper
117	100		
82	50.5	43.4	65.2
119	31.6	26.6	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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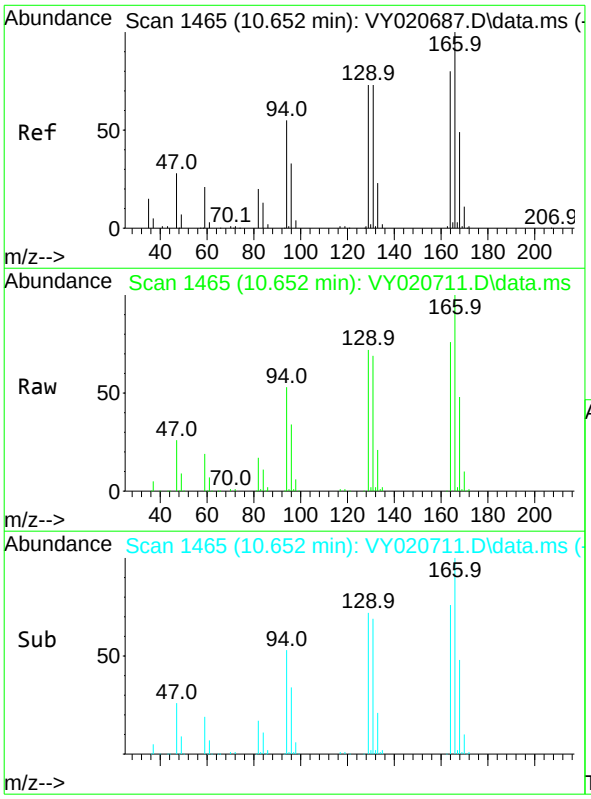
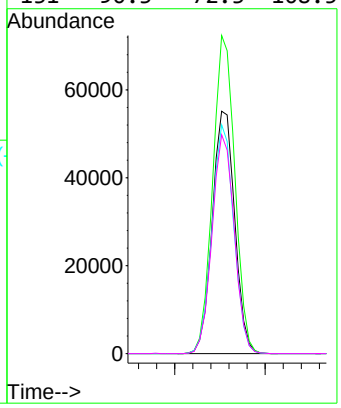
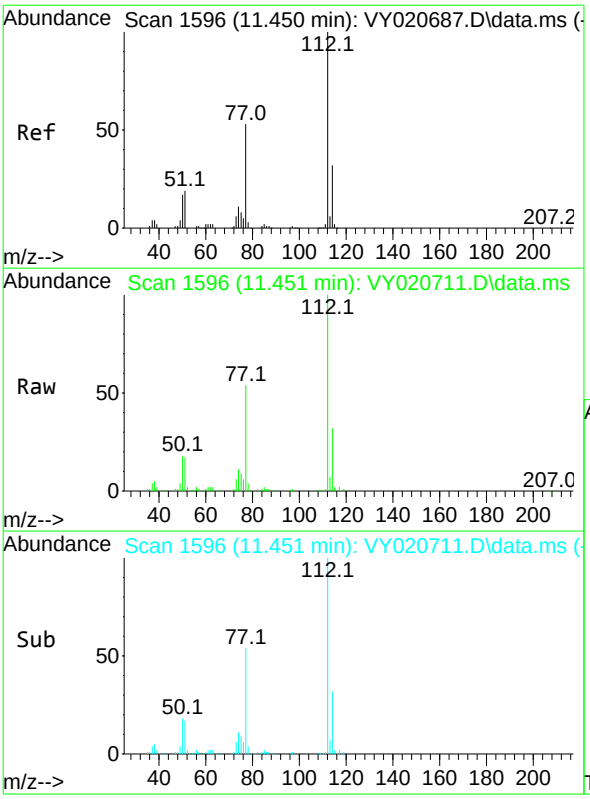


#64
Tetrachloroethene
Concen: 101.351 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:164 Resp: 95043

Ion	Ratio	Lower	Upper
164	100		
166	131.2	99.6	149.4
129	94.4	73.0	109.4
131	90.3	72.3	108.5

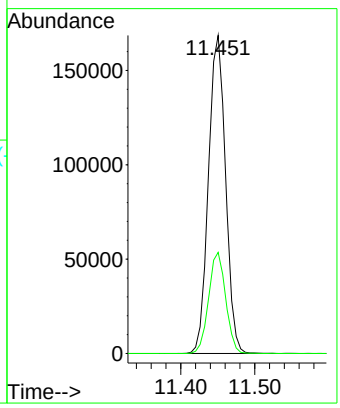




#65
Chlorobenzene
Concen: 100.641 ug/l
RT: 11.451 min Scan# 15
Delta R.T. 0.001 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:112 Resp: 270485

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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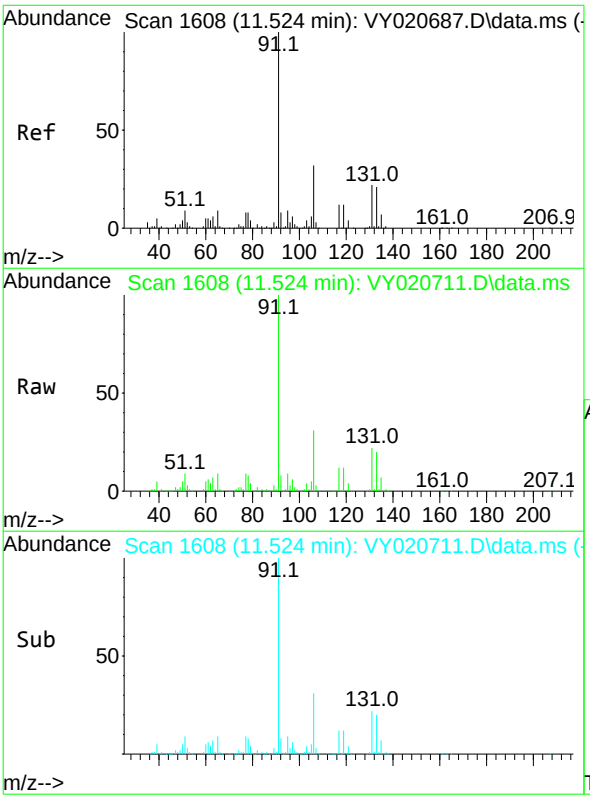
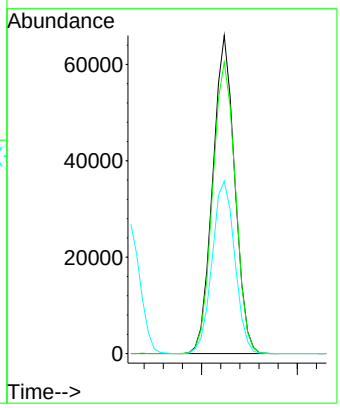
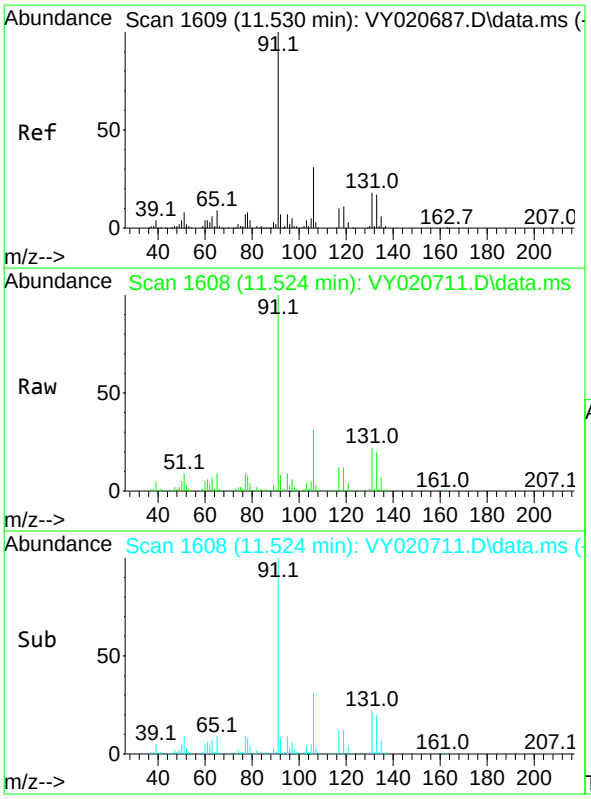


#66
1,1,1,2-Tetrachloroethane
Concen: 101.066 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:131 Resp: 105235

Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.6	145.9
119	55.9	28.4	85.3

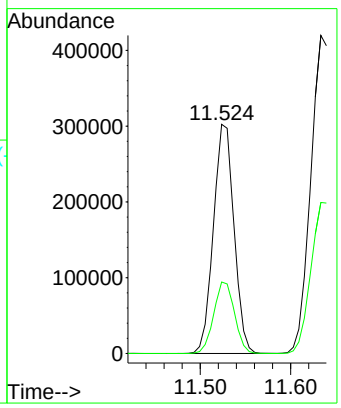




#67
Ethyl Benzene
Concen: 101.867 ug/l
RT: 11.524 min Scan# 16
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 91 Resp: 478506

Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.5	36.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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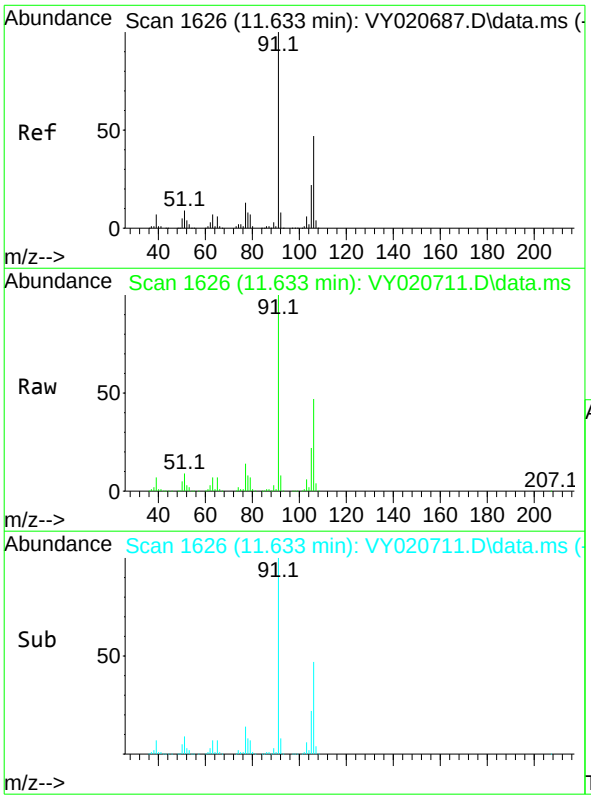
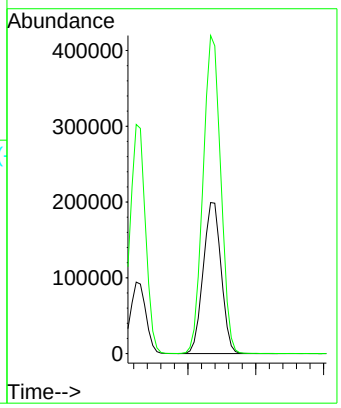
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

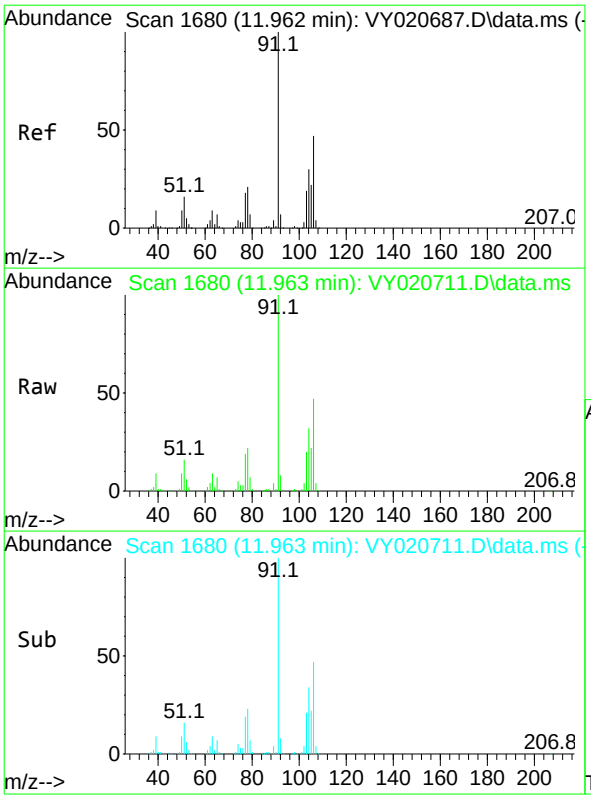


#68
m/p-Xylenes
Concen: 204.314 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:106 Resp: 366100

Ion	Ratio	Lower	Upper
106	100		
91	207.8	166.6	250.0

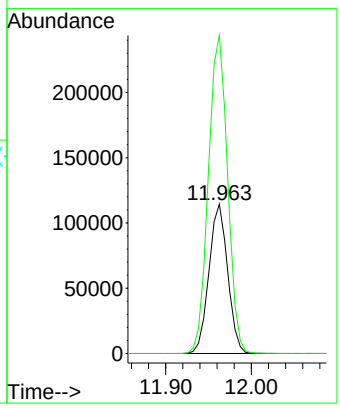




#69
o-Xylene
Concen: 101.366 ug/l
RT: 11.963 min Scan# 16
Delta R.T. 0.001 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:106 Resp: 173536

Ion	Ratio	Lower	Upper
106	100		
91	219.0	108.6	325.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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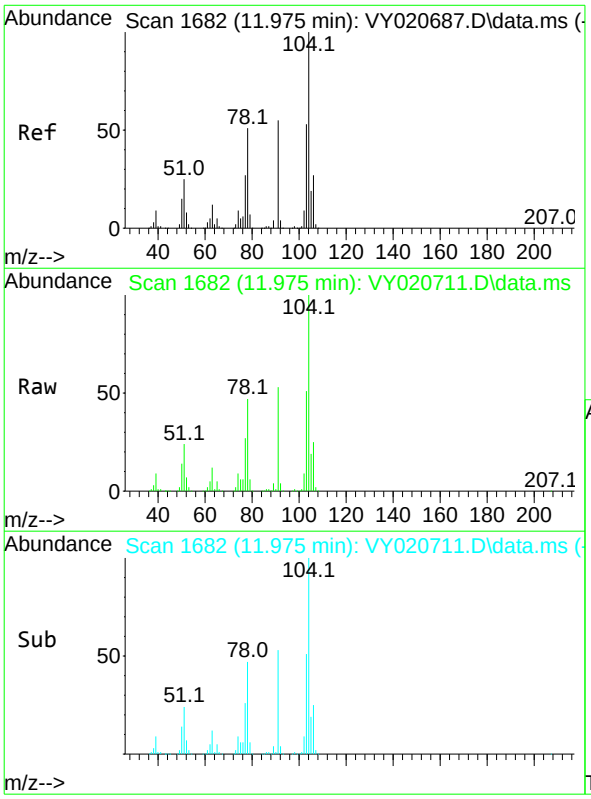
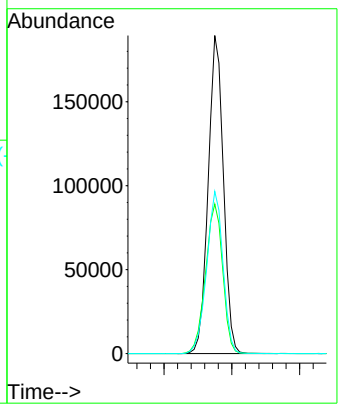
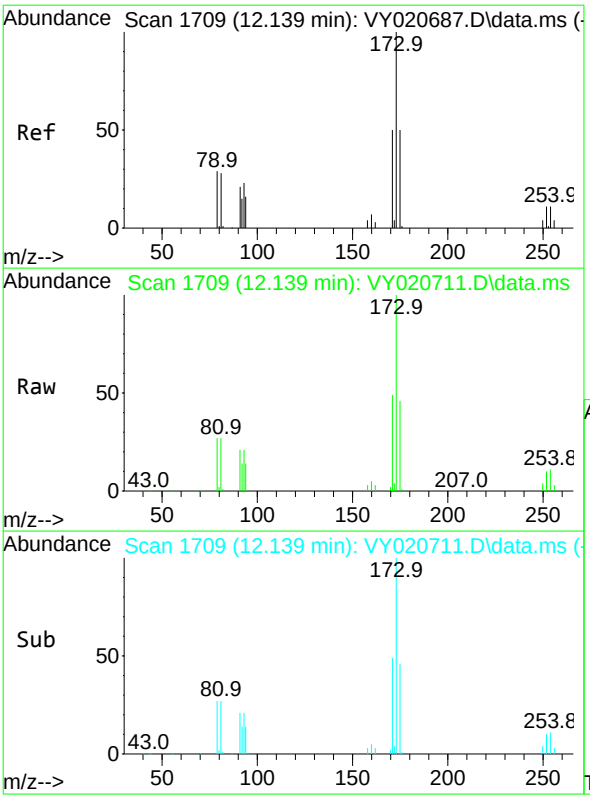


#70
Styrene
Concen: 102.647 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:104 Resp: 294999

Ion	Ratio	Lower	Upper
104	100		
78	52.9	43.0	64.4
103	54.8	44.4	66.6

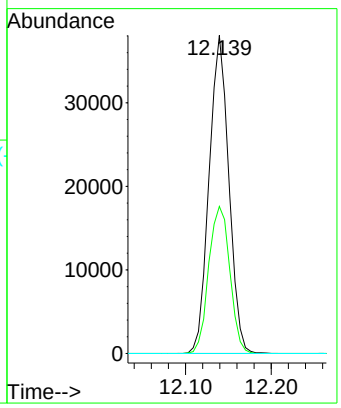




#71
Bromoform
Concen: 101.685 ug/l
RT: 12.139 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:173 Resp: 60872

Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.2	72.6
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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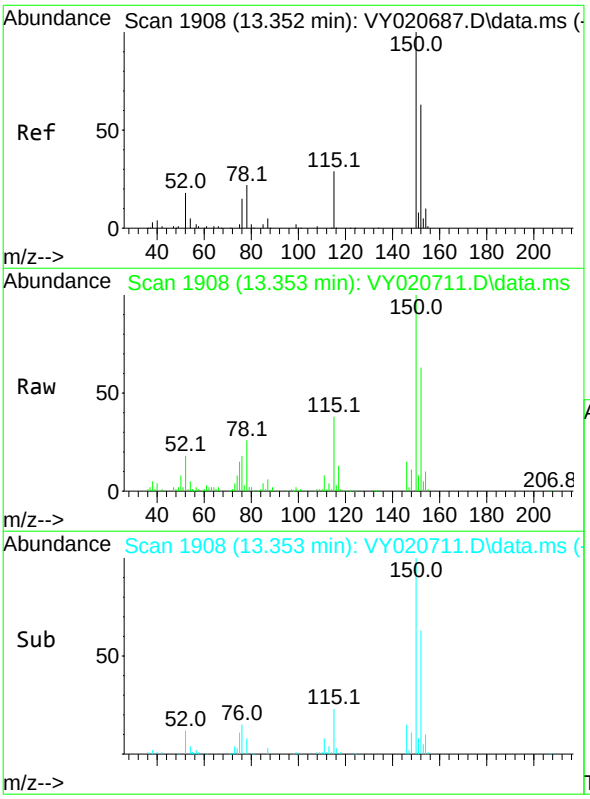
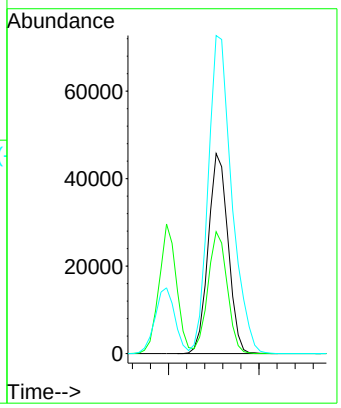
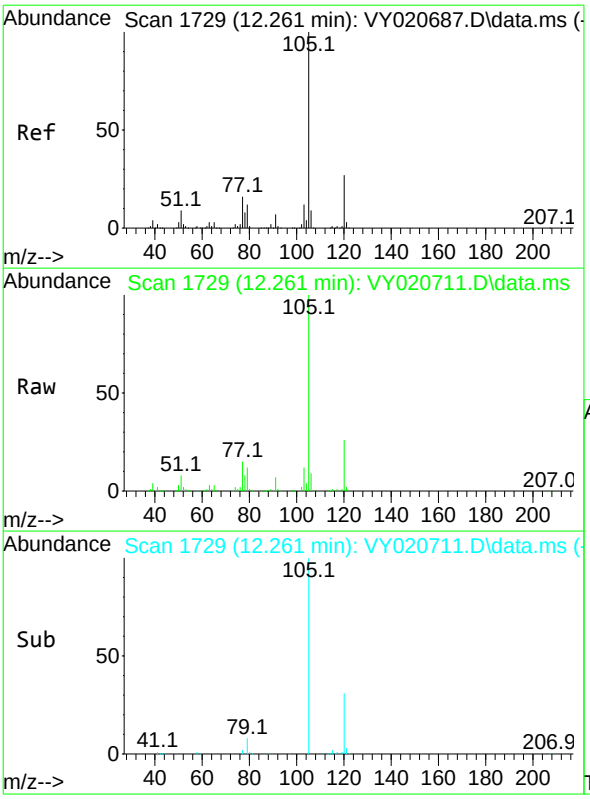


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.001 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:152 Resp: 69727

Ion	Ratio	Lower	Upper
152	100		
115	58.9	30.3	90.9
150	188.5	0.0	349.0

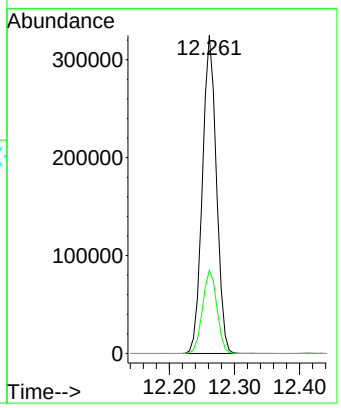




#73
Isopropylbenzene
Concen: 100.300 ug/l
RT: 12.261 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:105 Resp: 484532

Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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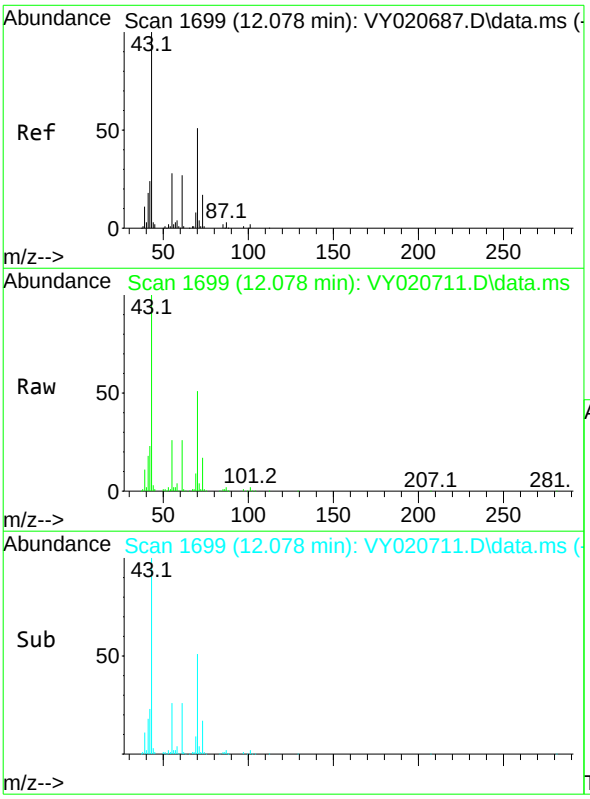
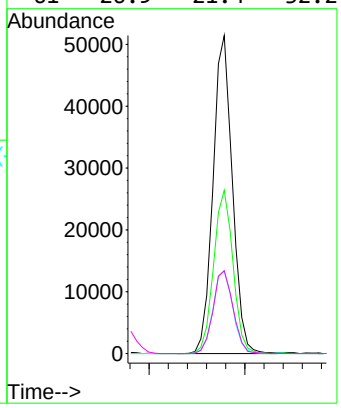
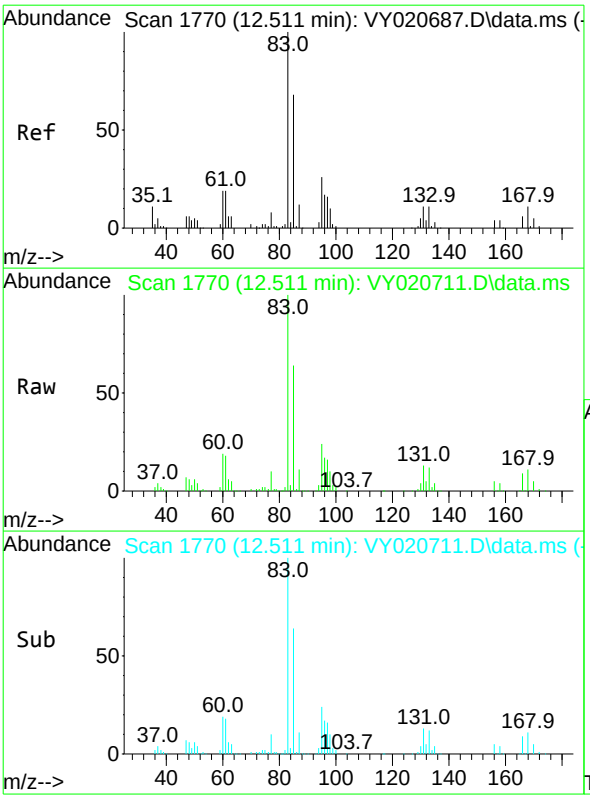


#74
N-amyl acetate
Concen: 105.221 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 43 Resp: 72233

Ion	Ratio	Lower	Upper
43	100		
70	51.4	39.7	59.5
55	26.7	21.5	32.3
61	26.9	21.4	32.2

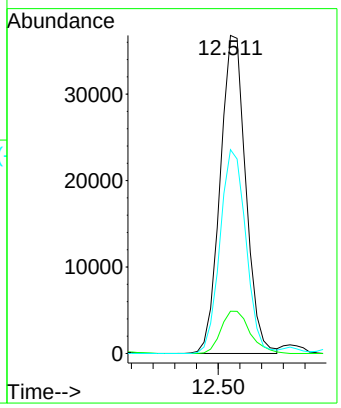




#75
1,1,2,2-Tetrachloroethane
Concen: 97.073 ug/l
RT: 12.511 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 83 Resp: 60116

Ion	Ratio	Lower	Upper
83	100		
131	15.1	6.9	20.7
85	65.0	32.5	97.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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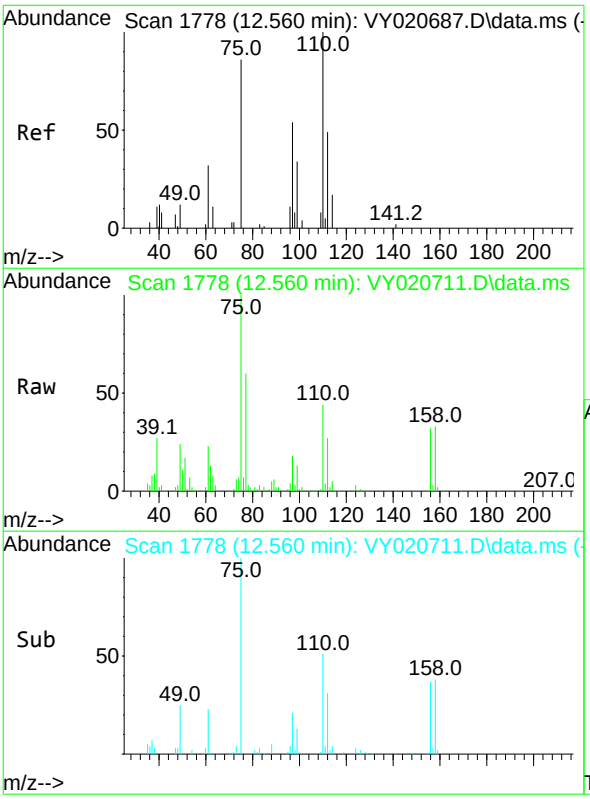
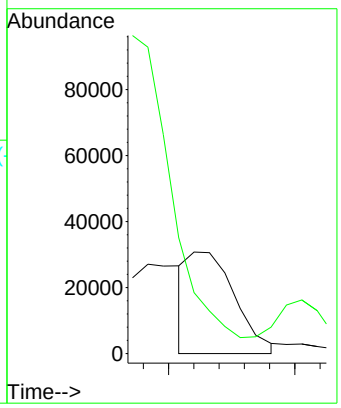
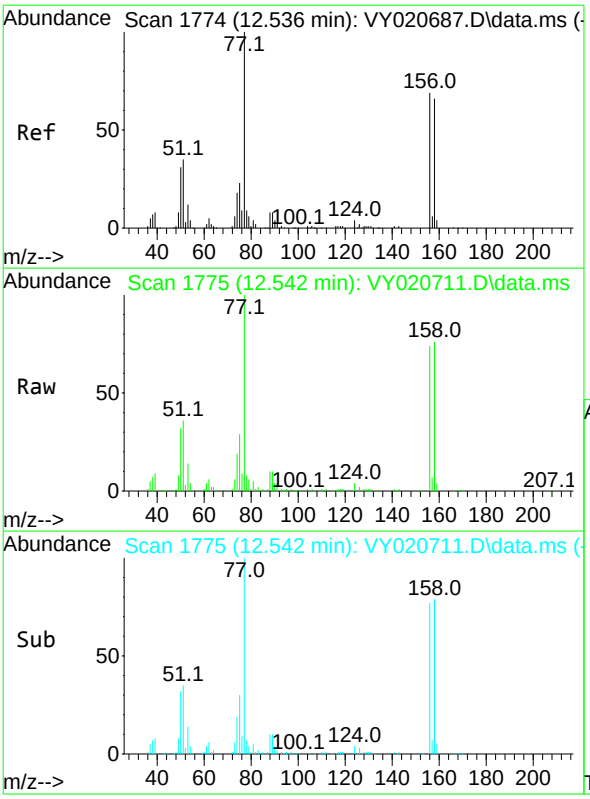


#76
1,2,3-Trichloropropane
Concen: 71.921 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 75 Resp: 39557

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 100.978 ug/l
RT: 12.542 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:156 Resp: 112291

Ion	Ratio	Lower	Upper
156	100		
77	151.8	78.3	235.0
158	99.4	48.3	144.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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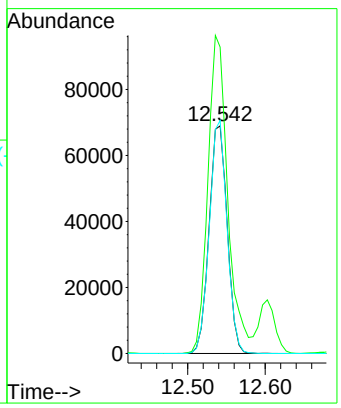
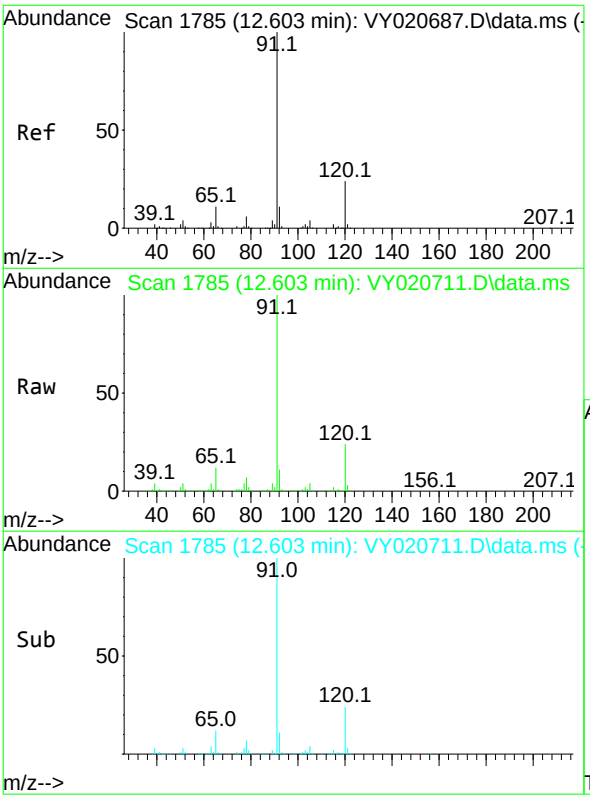
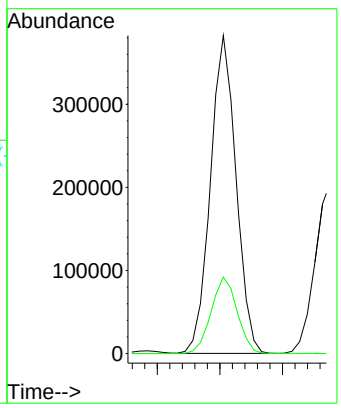


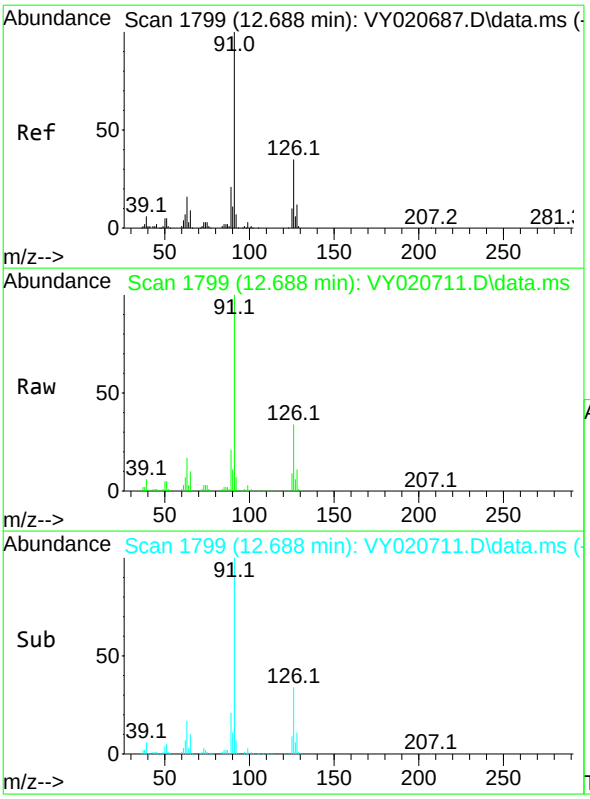


#78
n-propylbenzene
Concen: 100.496 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 91 Resp: 544130

Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.3	36.8

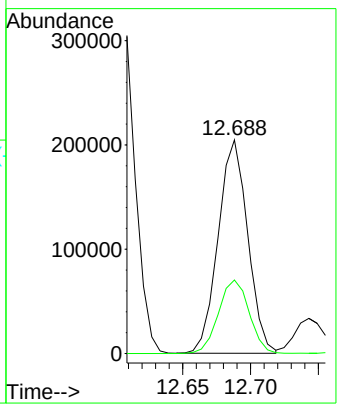




#79
2-Chlorotoluene
Concen: 100.568 ug/l
RT: 12.688 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 91 Resp: 310413

Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.8	53.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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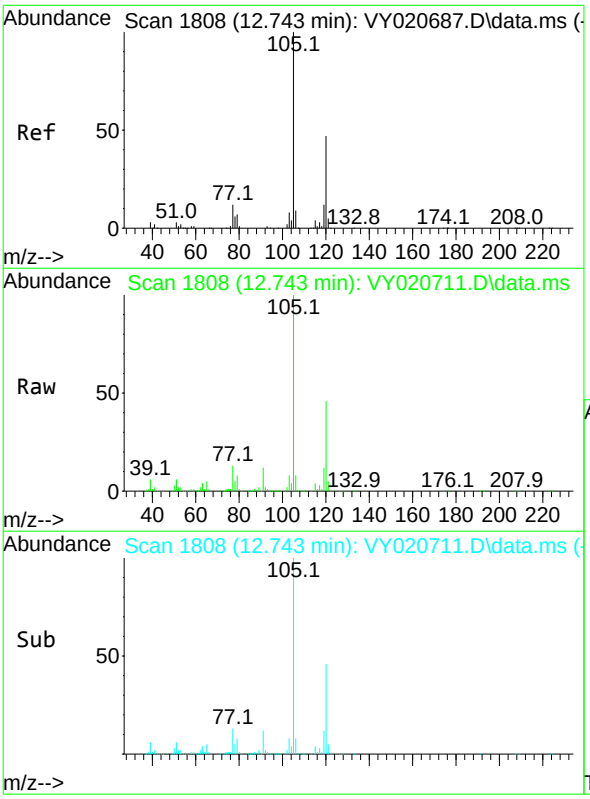
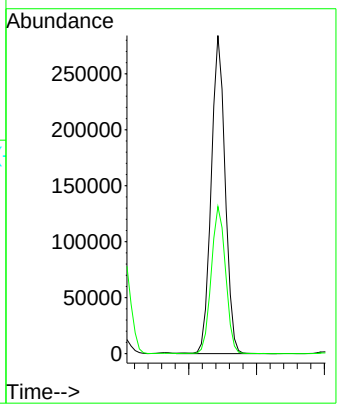
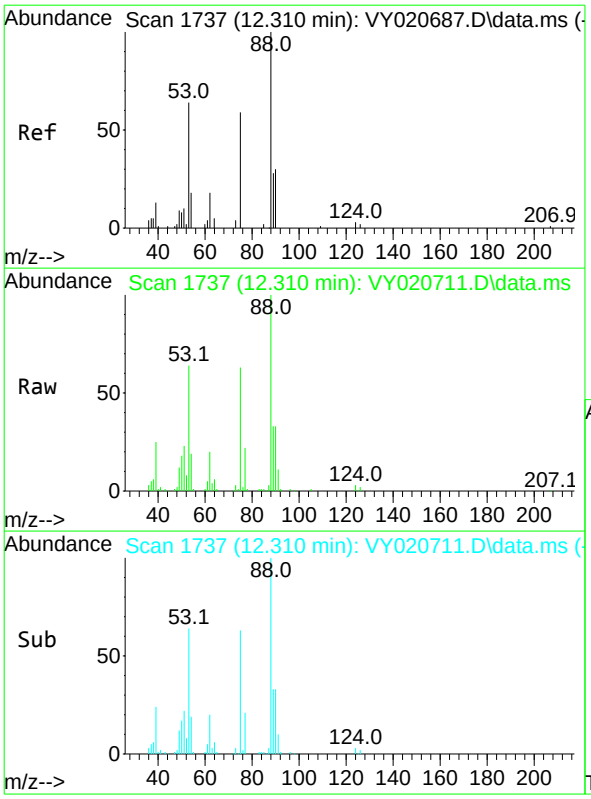


#80
1,3,5-Trimethylbenzene
Concen: 100.572 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:105 Resp: 404786

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 102.794 ug/l
RT: 12.310 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 23063

Ion	Ratio	Lower	Upper
75	100		
53	101.5	83.1	124.7
89	53.0	40.6	61.0

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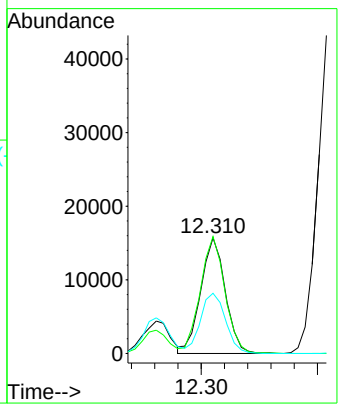
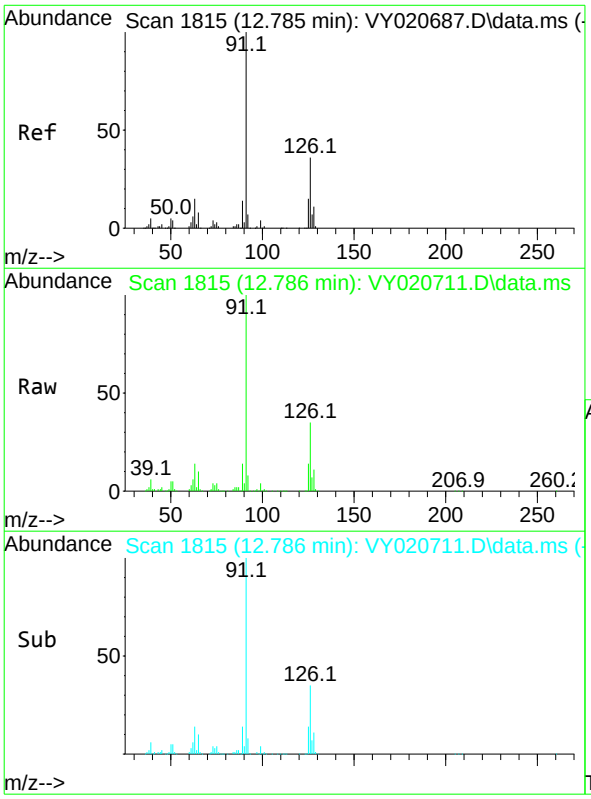
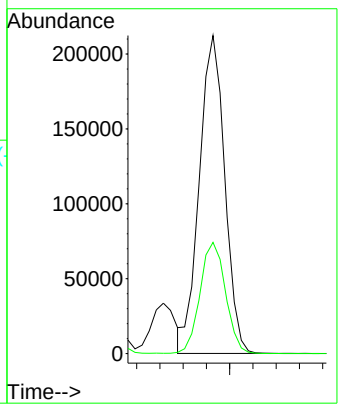


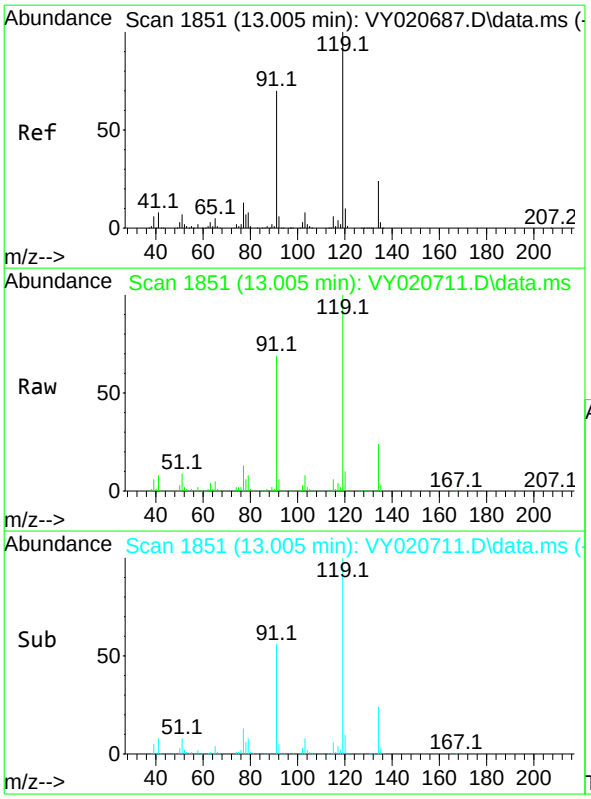


#82
4-Chlorotoluene
Concen: 101.007 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.001 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 91 Resp: 322204

Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.8	53.5





#83
tert-Butylbenzene
Concen: 99.709 ug/l
RT: 13.005 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:119 Resp: 374773

Ion	Ratio	Lower	Upper
119	100		
91	67.2	33.6	100.8
134	26.7	13.4	40.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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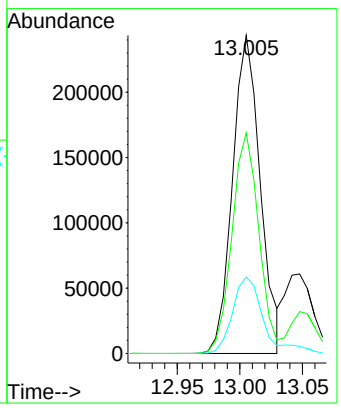
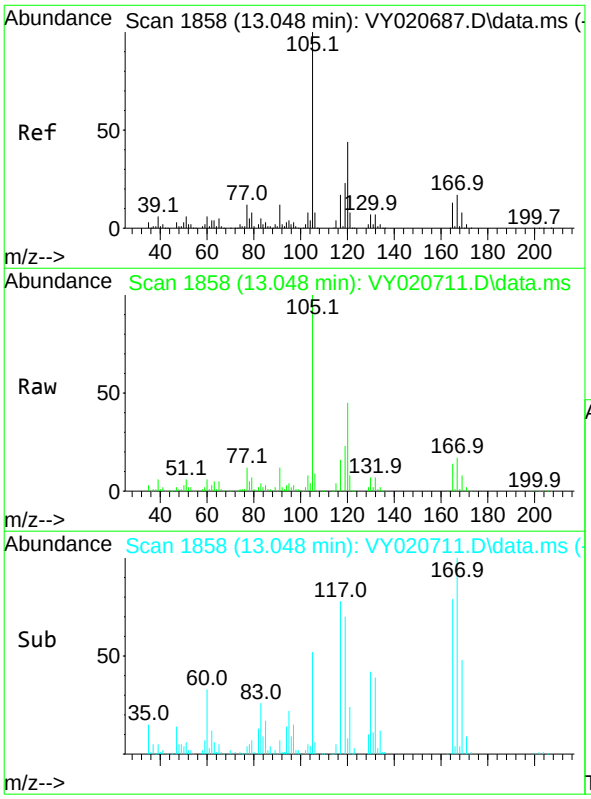
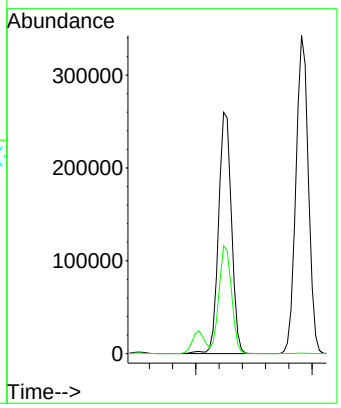


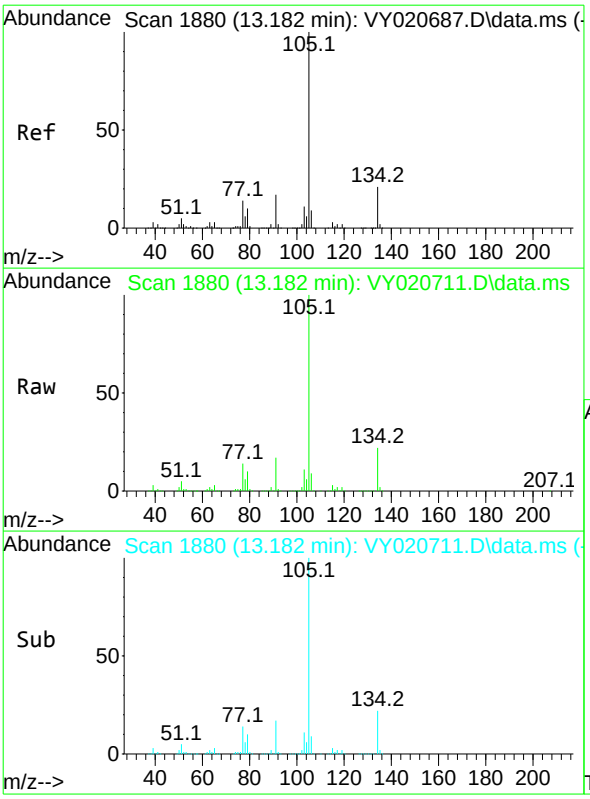


#84
1,2,4-Trimethylbenzene
Concen: 102.079 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:105 Resp: 399805

Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.8	65.3

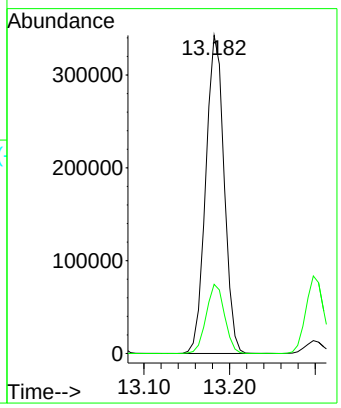




#85
sec-Butylbenzene
Concen: 100.564 ug/l
RT: 13.182 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:105 Resp: 509425

Ion	Ratio	Lower	Upper
105	100		
134	21.8	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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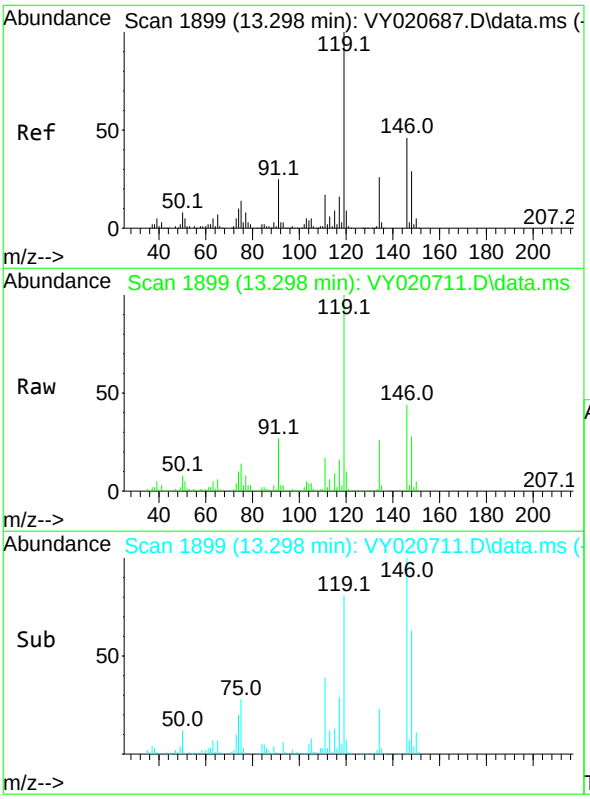
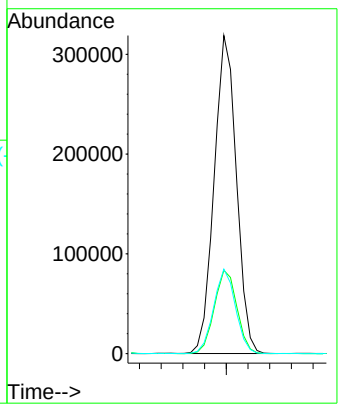
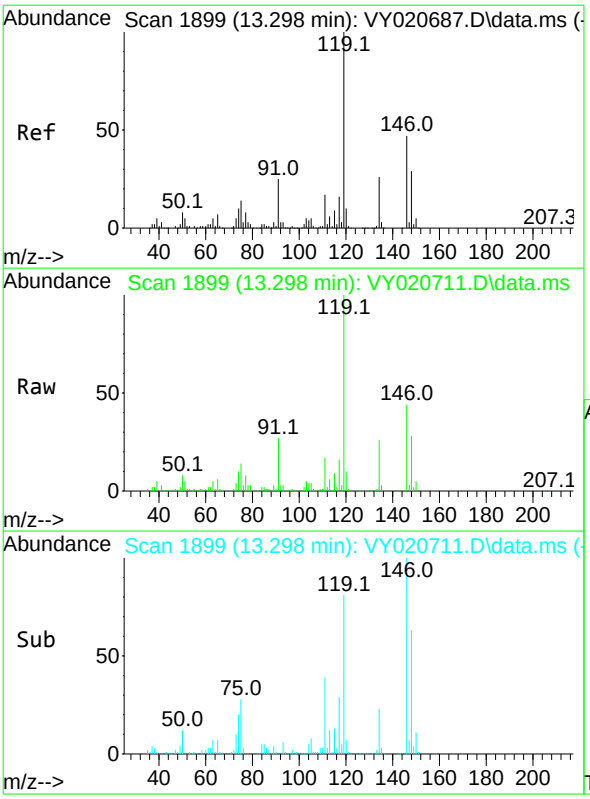


#86
p-Isopropyltoluene
Concen: 100.661 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:119 Resp: 454433

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.4	40.2
91	26.0	12.9	38.6

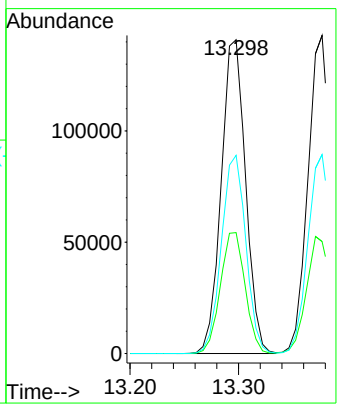




#87
1,3-Dichlorobenzene
Concen: 101.283 ug/l
RT: 13.298 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:146 Resp: 220131

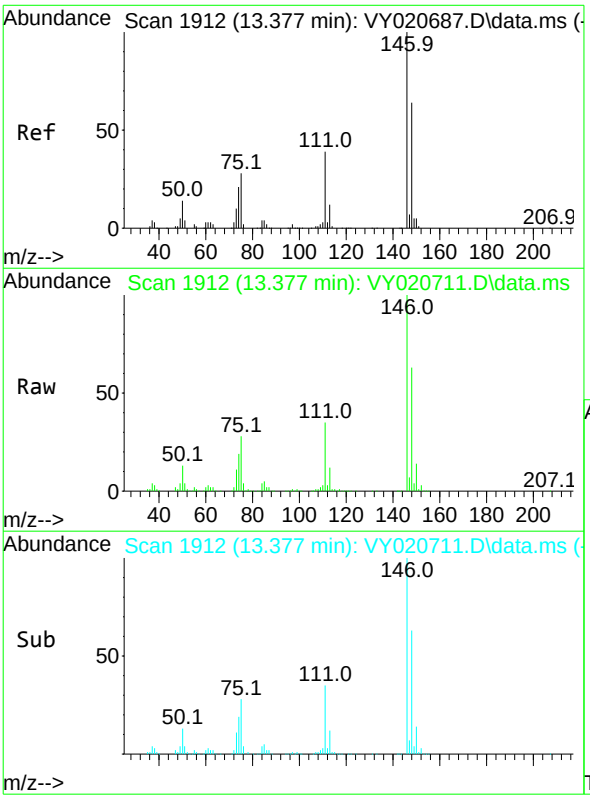
Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.3	57.8
148	63.3	31.1	93.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

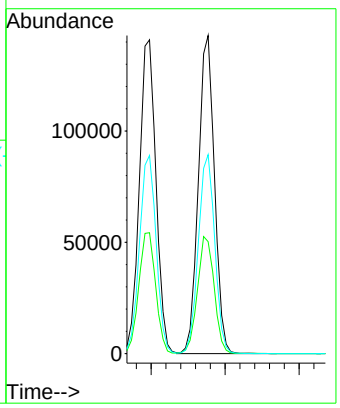
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

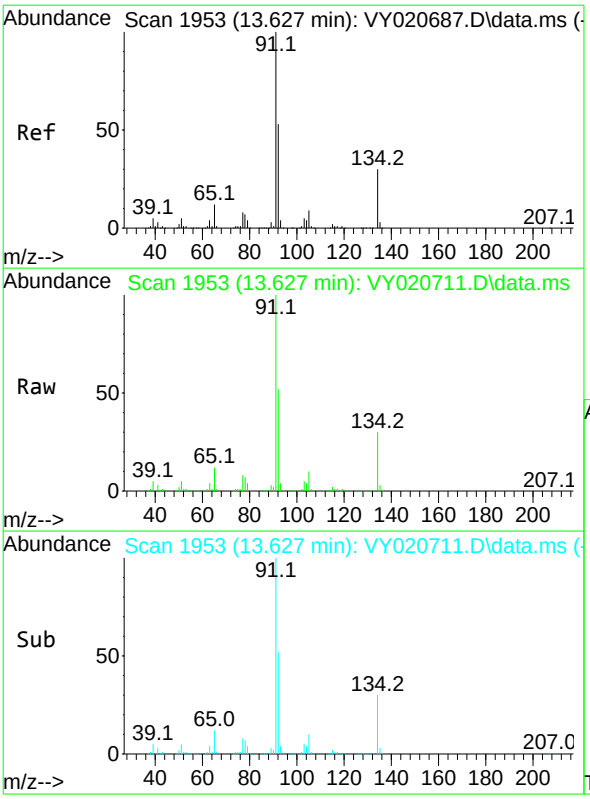


#88
1,4-Dichlorobenzene
Concen: 99.911 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:146 Resp: 216013

Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.7	59.0
148	63.8	32.8	98.3

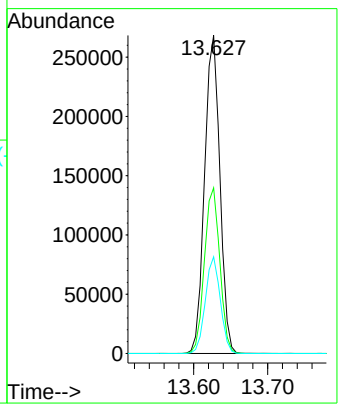




#89
n-Butylbenzene
Concen: 102.152 ug/l
RT: 13.627 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 91 Resp: 384958

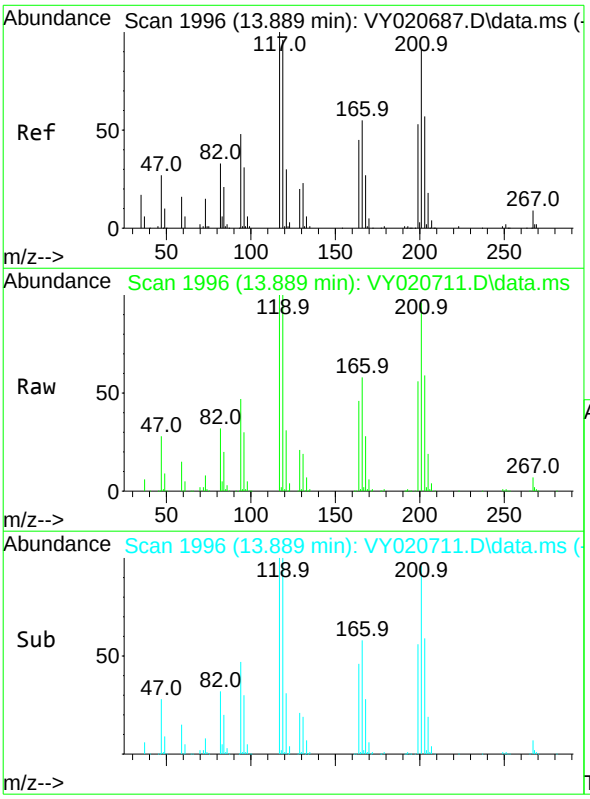
Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.2
134	29.7	14.8	44.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

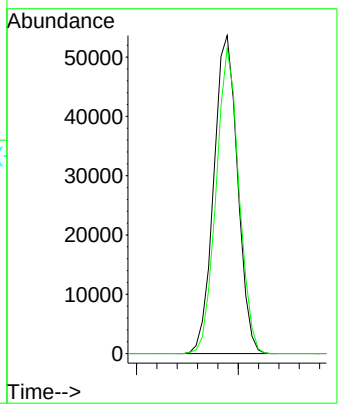
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

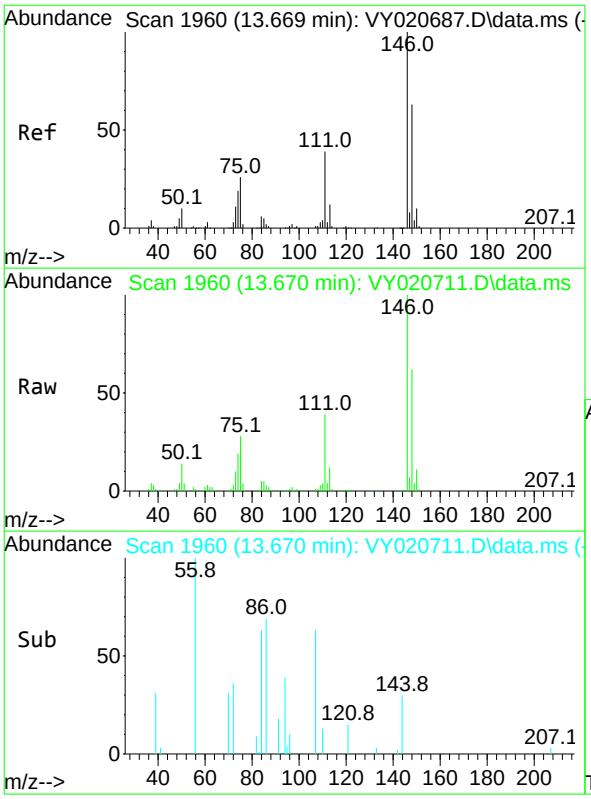


#90
Hexachloroethane
Concen: 101.535 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:117 Resp: 87162

Ion	Ratio	Lower	Upper
117	100		
201	92.2	44.9	134.7

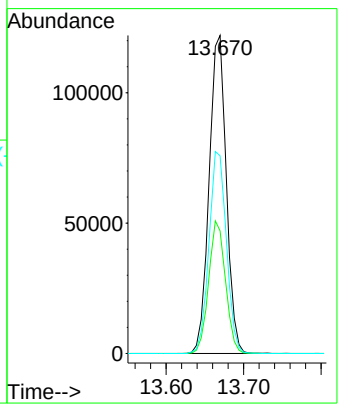




#91
1,2-Dichlorobenzene
Concen: 100.778 ug/l
RT: 13.670 min Scan# 19
Delta R.T. 0.001 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:146 Resp: 187803

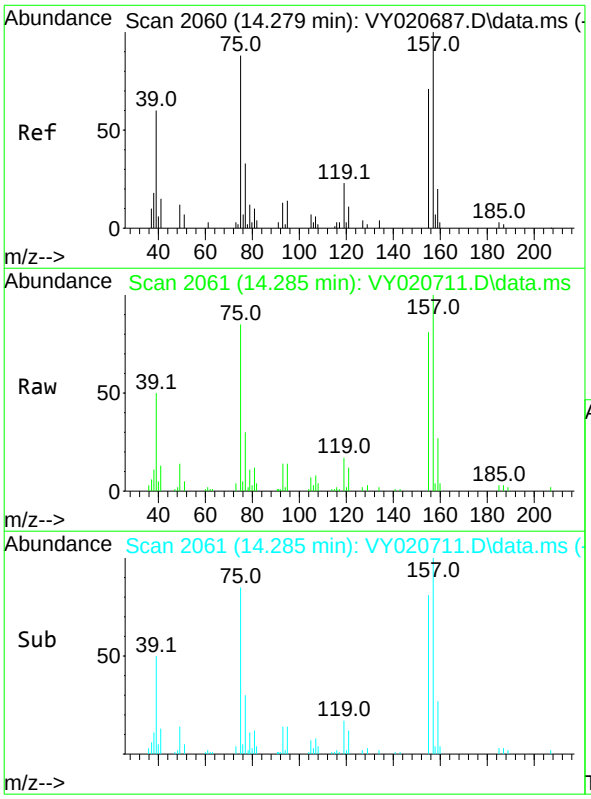
Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.8
148	64.5	31.9	95.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

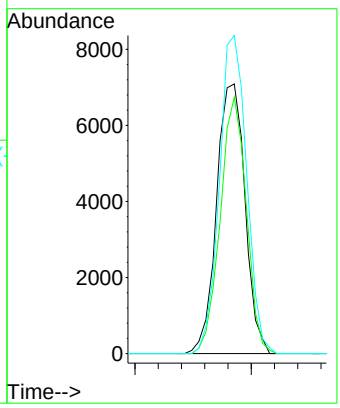
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

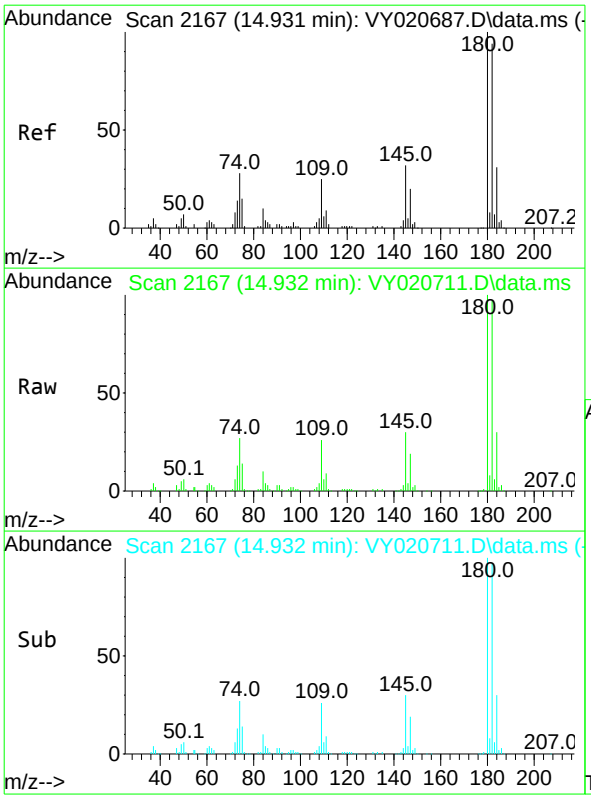


#92
1,2-Dibromo-3-Chloropropane
Concen: 100.298 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 75 Resp: 12047

Ion	Ratio	Lower	Upper
75	100		
155	87.1	43.4	130.2
157	113.0	58.6	175.7





#93
1,2,4-Trichlorobenzene
Concen: 111.184 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.001 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

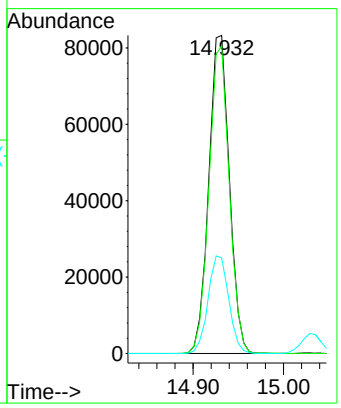
Tgt Ion:180 Resp: 131697

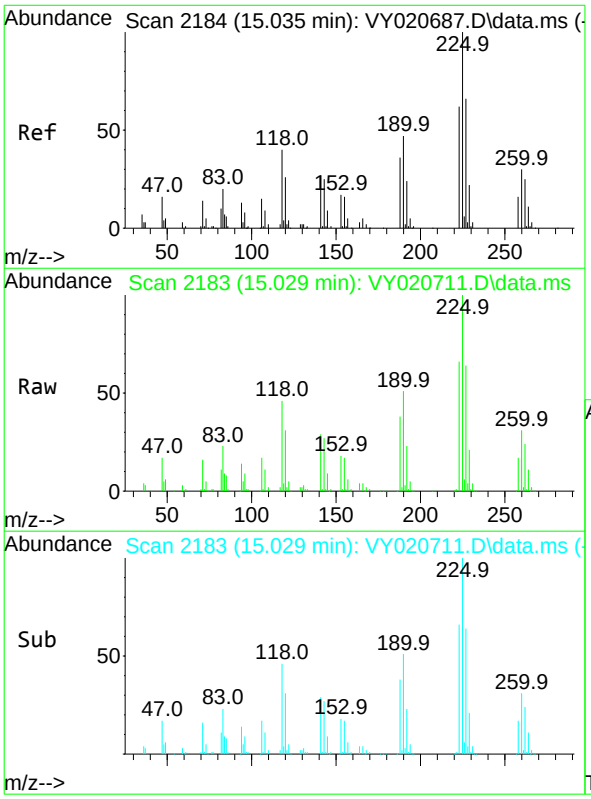
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.7
145	30.8	15.6	46.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

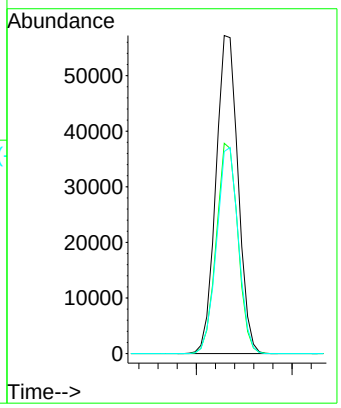


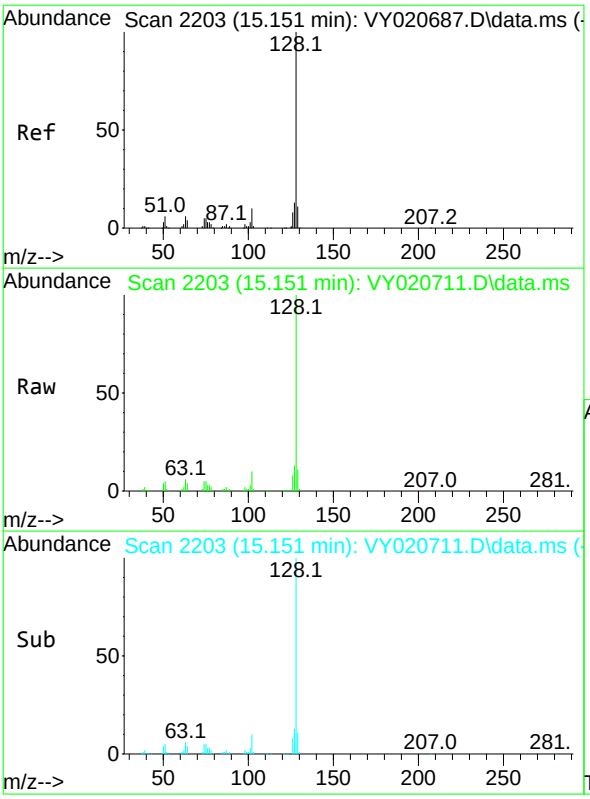


#94
Hexachlorobutadiene
Concen: 106.228 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:225 Resp: 91705

Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.3	93.8
227	63.6	32.1	96.5

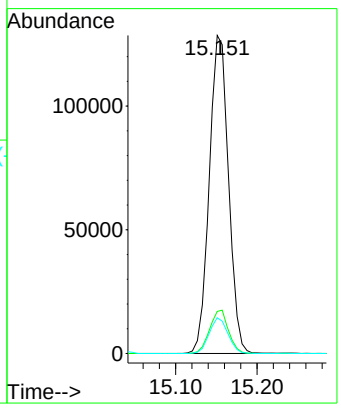




#95
Naphthalene
Concen: 111.196 ug/l
RT: 15.151 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:128 Resp: 210953

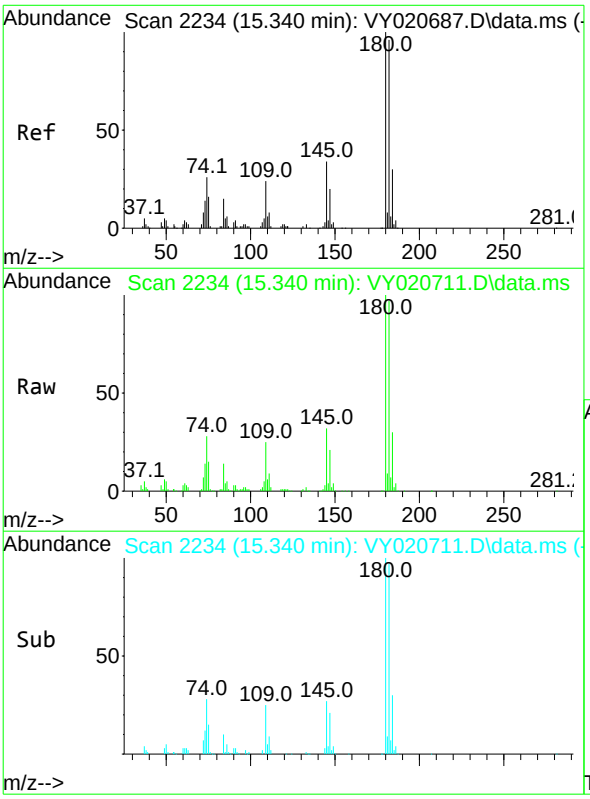
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.9	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

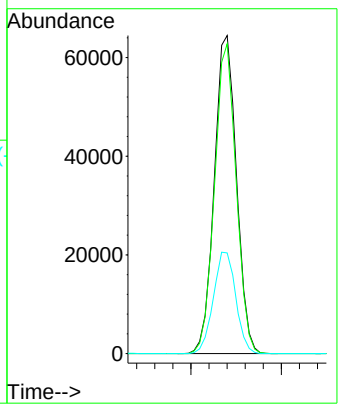
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024



#96
1,2,3-Trichlorobenzene
Concen: 111.325 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:180 Resp: 109793

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.4	142.2
145	32.3	16.7	50.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020713.D
Acq On : 26 Dec 2024 12:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Quant Time: Dec 26 16:15:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	116912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	160856	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	136421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.358	152	70383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	50667	52.910	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.820%			
35) Dibromofluoromethane	7.646	113	46763	52.779	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.560%			
50) Toluene-d8	10.115	98	184089	52.171	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.340%			
62) 4-Bromofluorobenzene	12.413	95	62660	53.215	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 106.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	43692	47.479	ug/l	98
3) Chloromethane	2.080	50	18877	55.003	ug/l	99
4) Vinyl Chloride	2.214	62	21107	49.638	ug/l	97
5) Bromomethane	2.610	94	16385	51.036	ug/l	92
6) Chloroethane	2.750	64	13110	51.394	ug/l	100
7) Trichlorofluoromethane	3.074	101	79960	48.899	ug/l	100
8) Diethyl Ether	3.470	74	19539	50.215	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.830	101	43422	48.370	ug/l	98
10) Methyl Iodide	4.019	142	50185	51.123	ug/l	99
11) Tert butyl alcohol	4.878	59	12665	208.224	ug/l #	85
12) 1,1-Dichloroethene	3.805	96	39605	49.566	ug/l	99
13) Acrolein	3.677	56	2881	143.918	ug/l	97
14) Allyl chloride	4.403	41	47747	51.064	ug/l	96
15) Acrylonitrile	5.073	53	34113	226.940	ug/l	99
16) Acetone	3.878	43	25249	207.840	ug/l	99
17) Carbon Disulfide	4.122	76	103010	52.554	ug/l	99
18) Methyl Acetate	4.403	43	15970	48.572	ug/l	100
19) Methyl tert-butyl Ether	5.134	73	106703	47.911	ug/l	100
20) Methylene Chloride	4.628	84	39747	50.306	ug/l	90
21) trans-1,2-Dichloroethene	5.134	96	43912	50.999	ug/l	98
22) Diisopropyl ether	6.030	45	95914	50.460	ug/l	98
23) Vinyl Acetate	5.976	43	275873	242.987	ug/l	100
24) 1,1-Dichloroethane	5.933	63	72030	50.544	ug/l	99
25) 2-Butanone	6.908	43	36966	225.260	ug/l	97
26) 2,2-Dichloropropane	6.902	77	82553	47.328	ug/l	100
27) cis-1,2-Dichloroethene	6.908	96	51212	49.666	ug/l	98
28) Bromochloromethane	7.262	49	20413	54.165	ug/l	90
29) Tetrahydrofuran	7.280	42	22616	224.521	ug/l	95
30) Chloroform	7.433	83	88644	48.353	ug/l	95
31) Cyclohexane	7.713	56	55329	44.979	ug/l	94
32) 1,1,1-Trichloroethane	7.634	97	95277	48.484	ug/l	99
36) 1,1-Dichloropropene	7.847	75	57746	49.340	ug/l	99
37) Ethyl Acetate	7.000	43	18046	46.791	ug/l	97
38) Carbon Tetrachloride	7.829	117	94603	49.087	ug/l	98
39) Methylcyclohexane	9.121	83	76295	50.860	ug/l	95
40) Benzene	8.091	78	173716	51.214	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020713.D
Acq On : 26 Dec 2024 12:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Quant Time: Dec 26 16:15:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.237	41	9136	46.896	ug/l		94
42) 1,2-Dichloroethane	8.170	62	52925	48.661	ug/l		99
43) Isopropyl Acetate	8.207	43	38101	46.479	ug/l		97
44) Trichloroethene	8.877	130	50355	49.703	ug/l		92
45) 1,2-Dichloropropane	9.152	63	34051	49.593	ug/l		99
46) Dibromomethane	9.237	93	22170	46.666	ug/l		97
47) Bromodichloromethane	9.432	83	65991	48.995	ug/l		94
48) Methyl methacrylate	9.231	41	17544	45.829	ug/l		99
49) 1,4-Dioxane	9.237	88	4519	998.617	ug/l		96
51) 4-Methyl-2-Pentanone	10.005	43	91062	230.147	ug/l		99
52) Toluene	10.182	92	119622	51.455	ug/l		98
53) t-1,3-Dichloropropene	10.402	75	57734	48.805	ug/l		99
54) cis-1,3-Dichloropropene	9.865	75	64766	49.949	ug/l		98
55) 1,1,2-Trichloroethane	10.578	97	29233	48.206	ug/l		99
56) Ethyl methacrylate	10.444	69	37050	46.506	ug/l		99
57) 1,3-Dichloropropane	10.725	76	48458	49.234	ug/l		96
58) 2-Chloroethyl Vinyl ether	9.719	63	67974	244.679	ug/l		97
59) 2-Hexanone	10.767	43	59853	229.110	ug/l		97
60) Dibromochloromethane	10.920	129	47597	48.574	ug/l		100
61) 1,2-Dibromoethane	11.023	107	27610	48.387	ug/l		100
64) Tetrachloroethene	10.658	164	46724	50.131	ug/l		95
65) Chlorobenzene	11.450	112	133203	49.866	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.523	131	52397	50.630	ug/l		98
67) Ethyl Benzene	11.529	91	238810	51.151	ug/l		98
68) m/p-Xylenes	11.639	106	183706	103.152	ug/l		98
69) o-Xylene	11.962	106	86833	51.032	ug/l		99
70) Styrene	11.981	104	144868	50.717	ug/l		99
71) Bromoform	12.139	173	28995	48.733	ug/l	#	98
73) Isopropylbenzene	12.261	105	242449	49.720	ug/l		99
74) N-amyl acetate	12.078	43	33272	48.015	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	29166	46.657	ug/l		99
76) 1,2,3-Trichloropropane	12.566	75	20390m	45.549	ug/l		
77) Bromobenzene	12.541	156	56640	50.459	ug/l		96
78) n-propylbenzene	12.602	91	273917	50.119	ug/l		99
79) 2-Chlorotoluene	12.688	91	154710	49.656	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	205116	50.488	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	11017	48.646	ug/l		94
82) 4-Chlorotoluene	12.785	91	161536	50.168	ug/l		99
83) tert-Butylbenzene	13.005	119	188052	49.565	ug/l		99
84) 1,2,4-Trimethylbenzene	13.054	105	203012	51.350	ug/l		99
85) sec-Butylbenzene	13.188	105	258622	50.578	ug/l		99
86) p-Isopropyltoluene	13.303	119	230385	50.557	ug/l		100
87) 1,3-Dichlorobenzene	13.297	146	108941	49.657	ug/l		97
88) 1,4-Dichlorobenzene	13.377	146	107603	49.305	ug/l		98
89) n-Butylbenzene	13.627	91	194314	51.082	ug/l		99
90) Hexachloroethane	13.889	117	42996	49.619	ug/l		100
91) 1,2-Dichlorobenzene	13.669	146	95132	50.573	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	5601	46.197	ug/l		95
93) 1,2,4-Trichlorobenzene	14.931	180	62409	52.197	ug/l		99
94) Hexachlorobutadiene	15.035	225	44277	50.811	ug/l		98
95) Naphthalene	15.157	128	94983	49.600	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	51411	51.643	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020713.D
Acq On : 26 Dec 2024 12:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Quant Time: Dec 26 16:15:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

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

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020713.D
Acq On : 26 Dec 2024 12:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 26 16:15:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Manual Integrations APPROVED

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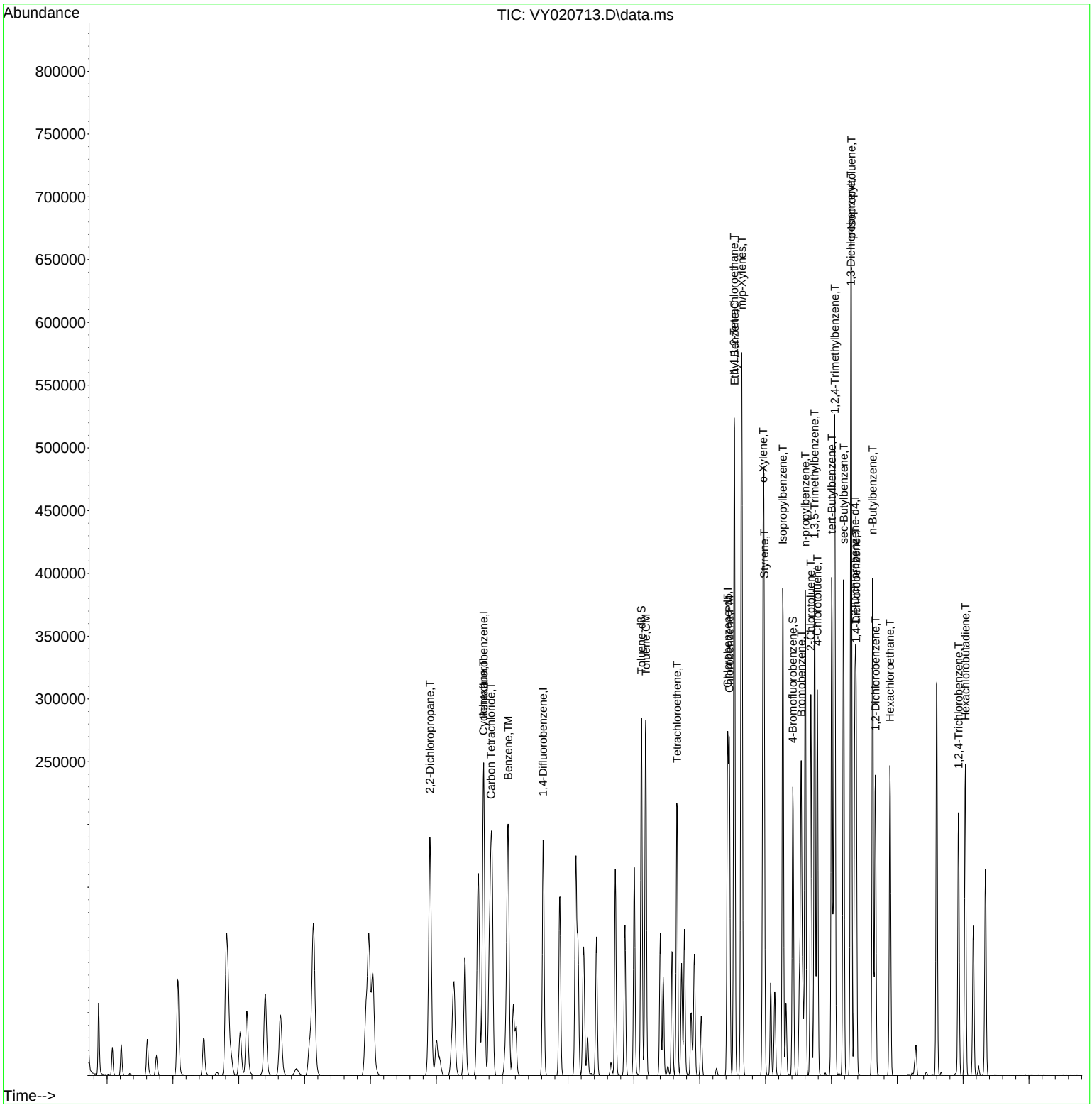
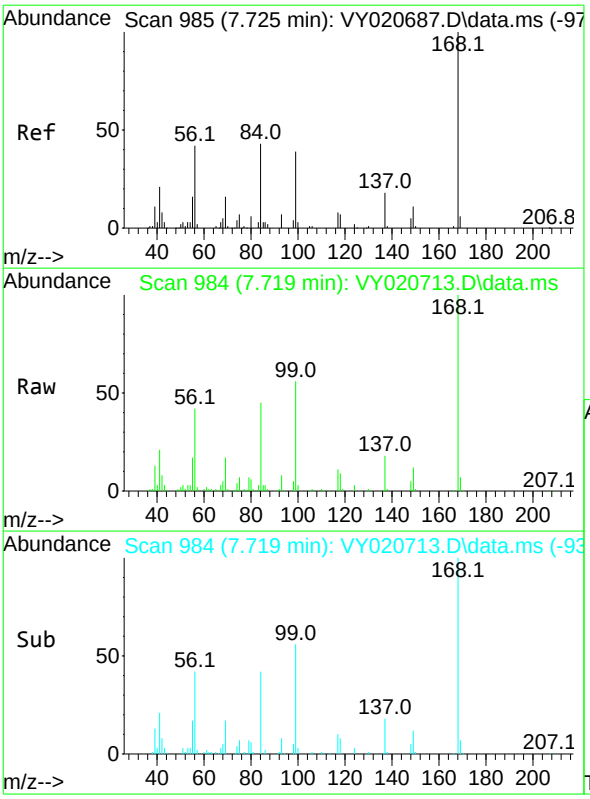
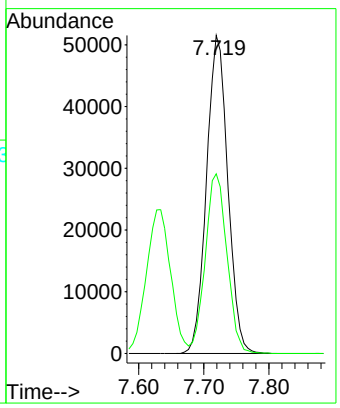




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:168 Resp: 116912

Ion	Ratio	Lower	Upper
168	100		
99	56.5	43.8	65.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Manual Integrations
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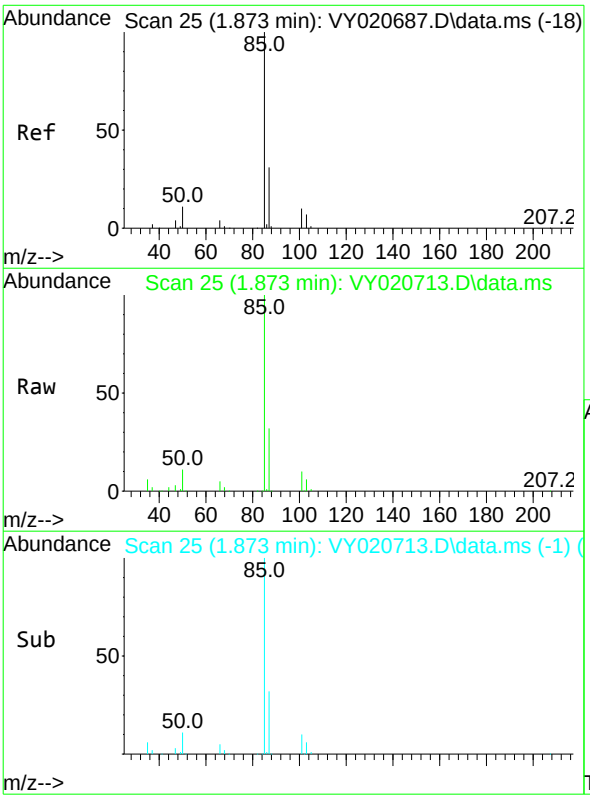
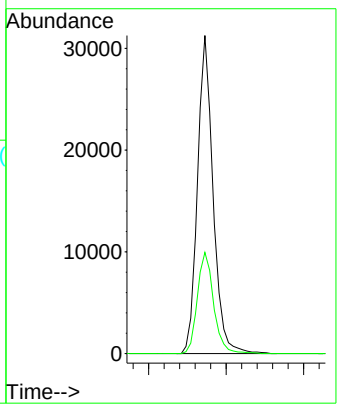
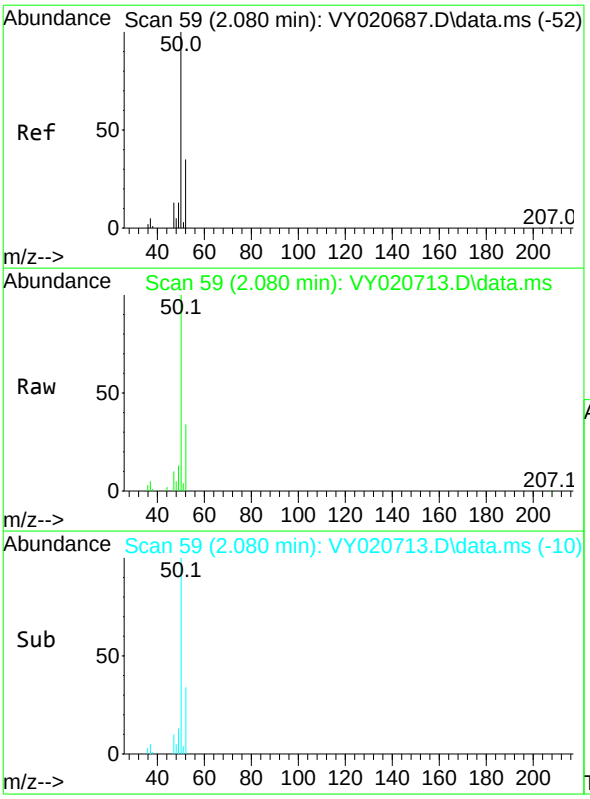


#2
Dichlorodifluoromethane
Concen: 47.479 ug/l
RT: 1.873 min Scan# 25
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 85 Resp: 43692

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.4	46.4

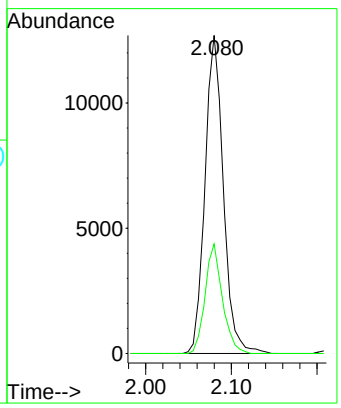




#3
Chloromethane
Concen: 55.003 ug/l
RT: 2.080 min Scan# 59
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 50 Resp: 18877

Ion	Ratio	Lower	Upper
50	100		
52	34.4	28.2	42.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Manual Integrations
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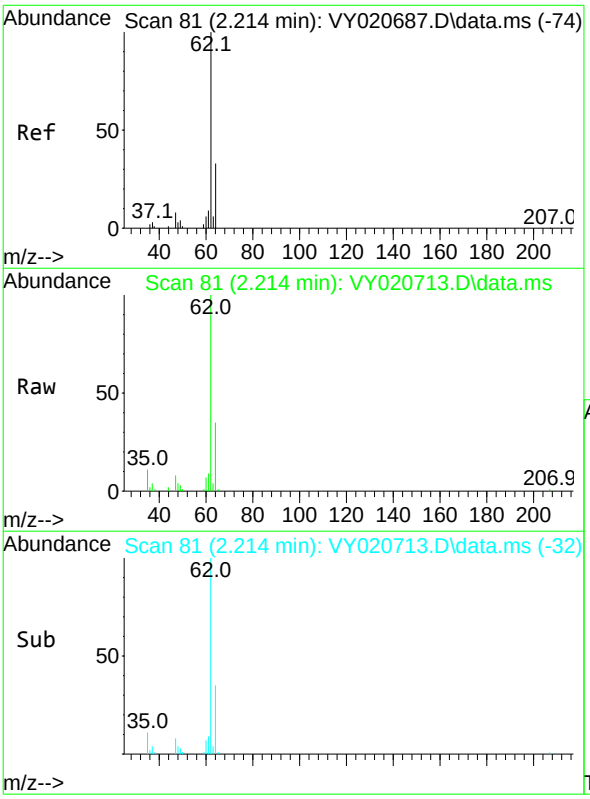
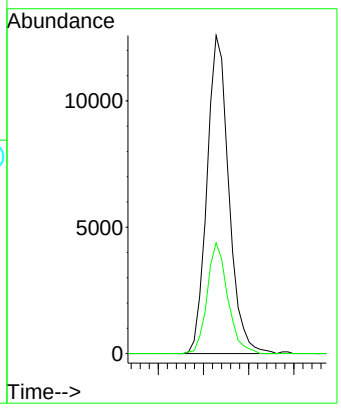
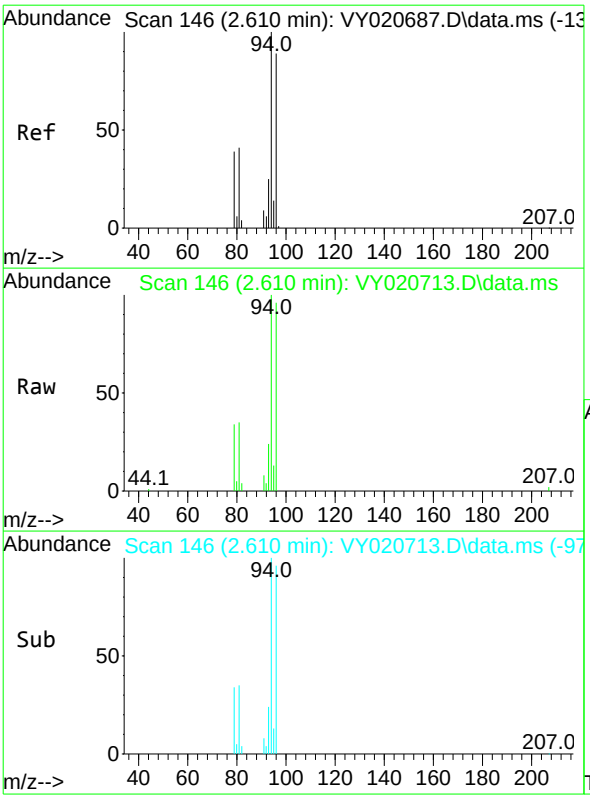


#4
Vinyl Chloride
Concen: 49.638 ug/l
RT: 2.214 min Scan# 81
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 62 Resp: 21107

Ion	Ratio	Lower	Upper
62	100		
64	34.8	26.6	40.0

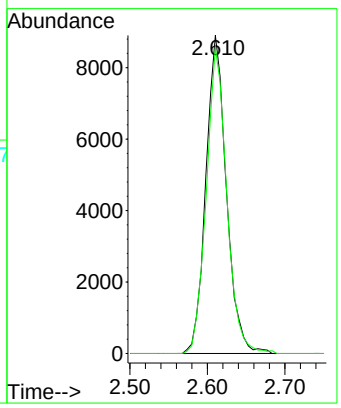




#5
Bromomethane
Concen: 51.036 ug/l
RT: 2.610 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 94 Resp: 16385

Ion	Ratio	Lower	Upper
94	100		
96	96.2	71.0	106.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Manual Integrations
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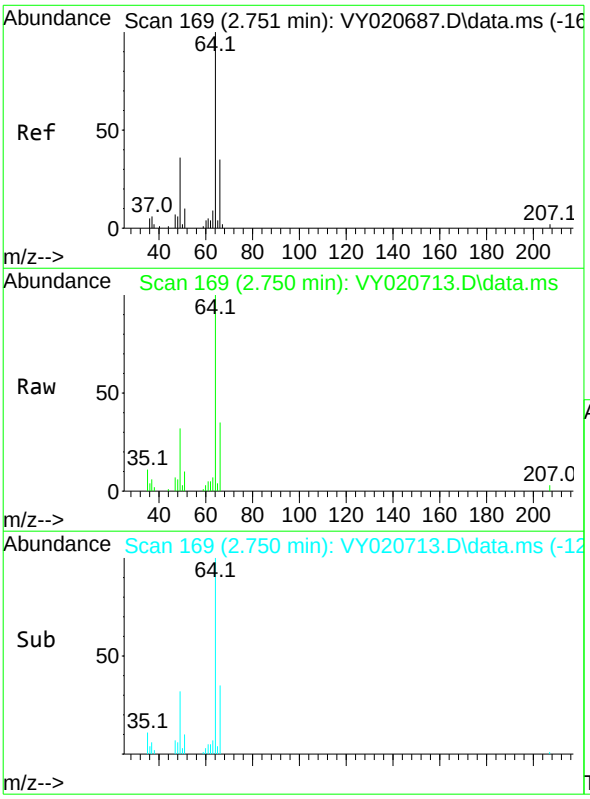
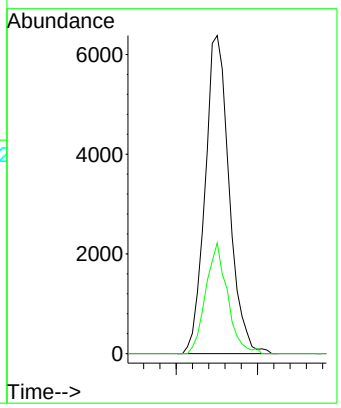
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

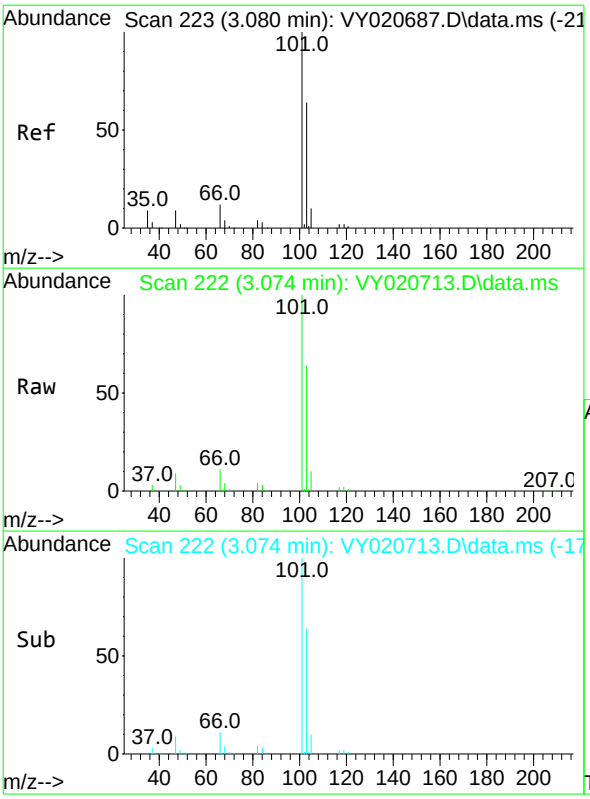


#6
Chloroethane
Concen: 51.394 ug/l
RT: 2.750 min Scan# 169
Delta R.T. -0.001 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 64 Resp: 13110

Ion	Ratio	Lower	Upper
64	100		
66	34.8	27.8	41.8

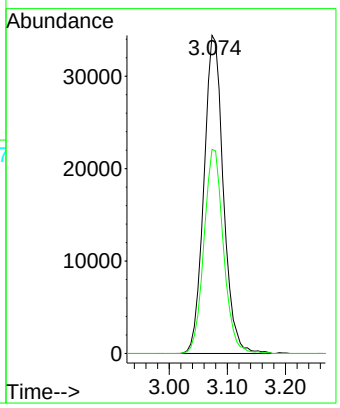




#7
Trichlorofluoromethane
Concen: 48.899 ug/l
RT: 3.074 min Scan# 22
Delta R.T. -0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:101 Resp: 79960

Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

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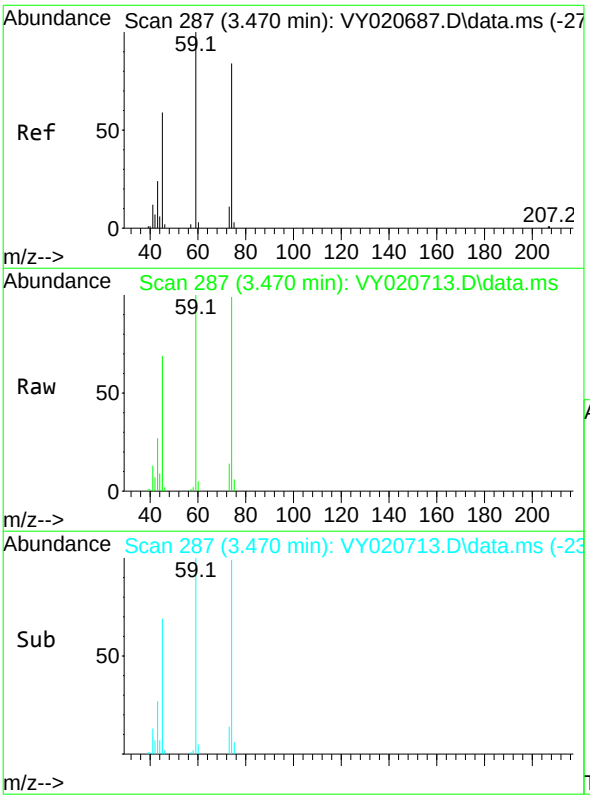
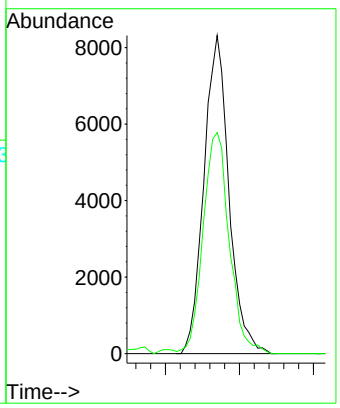
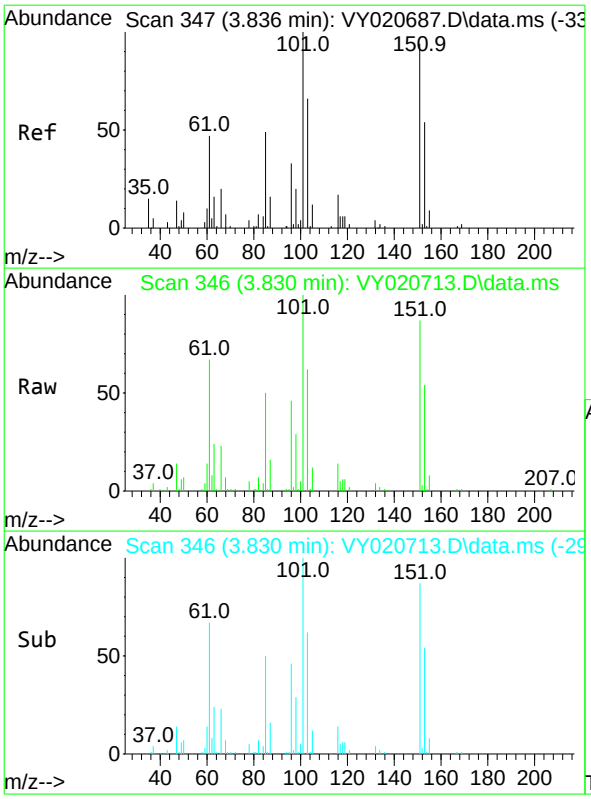


#8
Diethyl Ether
Concen: 50.215 ug/l
RT: 3.470 min Scan# 287
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 74 Resp: 19539

Ion	Ratio	Lower	Upper
74	100		
45	72.6	35.8	107.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.370 ug/l
RT: 3.830 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion:101 Resp: 43422

Ion	Ratio	Lower	Upper
101	100		
85	47.2	38.2	57.2
151	88.1	68.4	102.6

Manual Integrations
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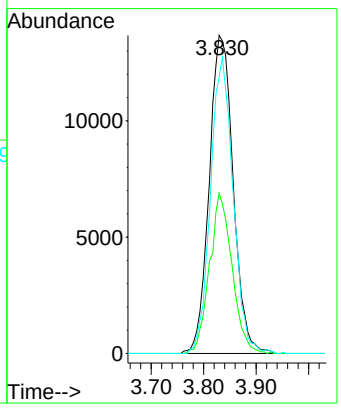
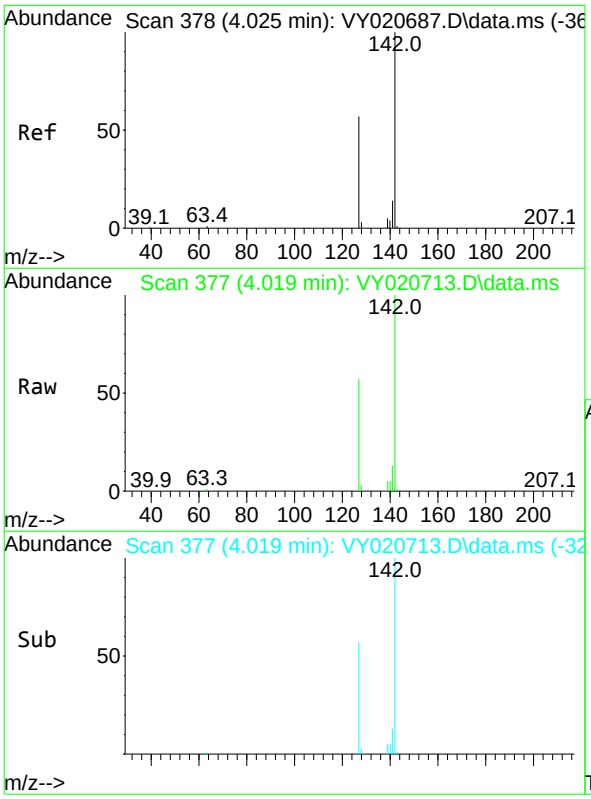
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

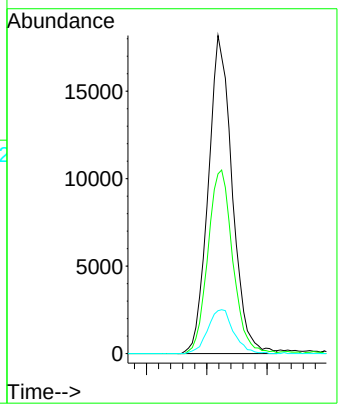


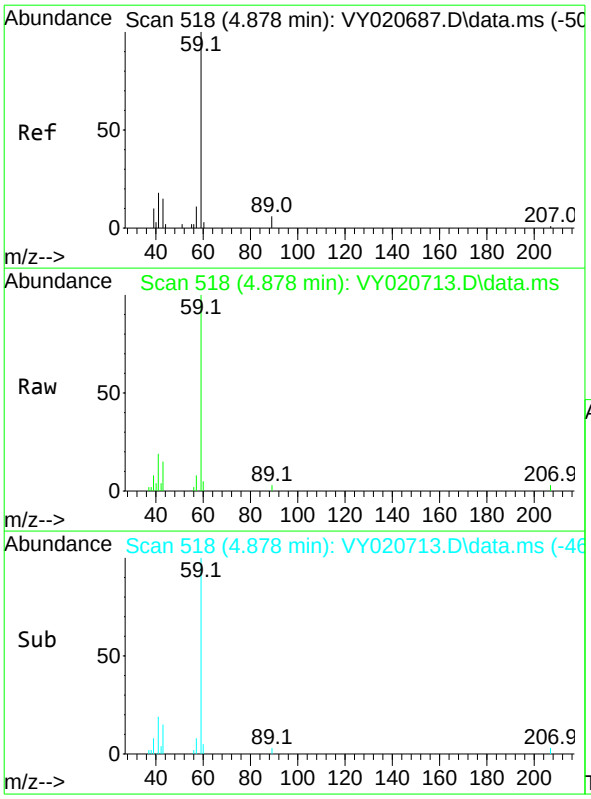


#10
Methyl Iodide
Concen: 51.123 ug/l
RT: 4.019 min Scan# 377
Delta R.T. -0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:142 Resp: 50185

Ion	Ratio	Lower	Upper
142	100		
127	59.9	48.8	73.2
141	14.9	11.9	17.9

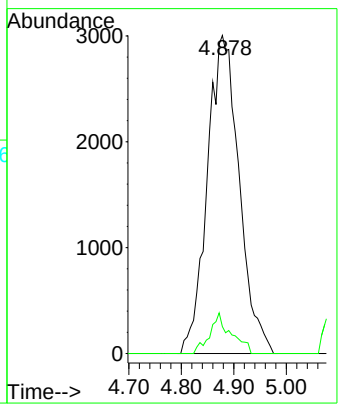




#11
Tert butyl alcohol
Concen: 208.224 ug/l
RT: 4.878 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 59 Resp: 12665

Ion	Ratio	Lower	Upper
59	100		
57	8.5	2.8	4.2#



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Manual Integrations
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Reviewed By :Mahesh Dadoda 12/27/2024
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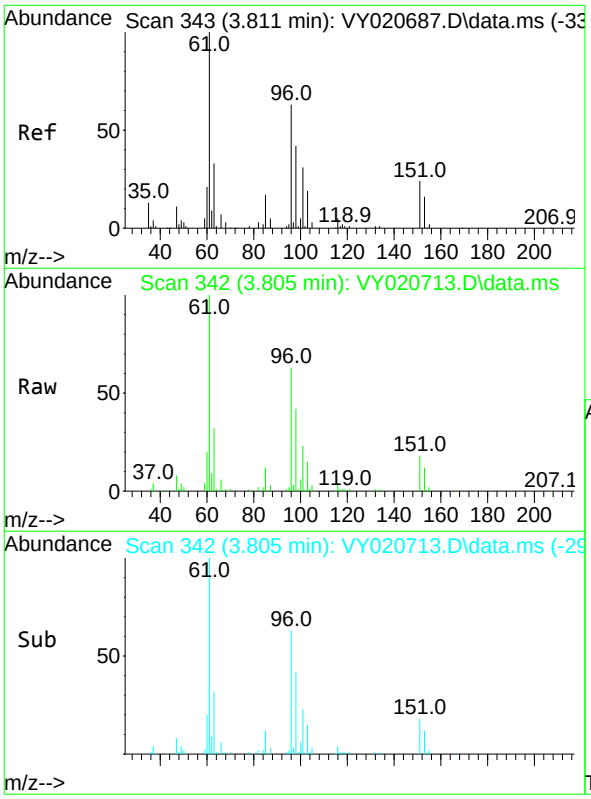
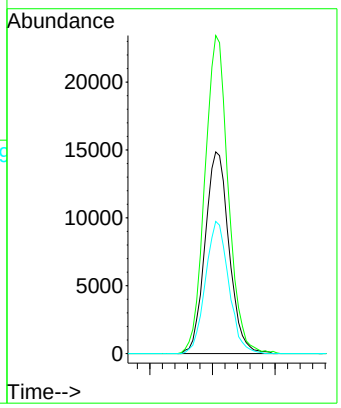
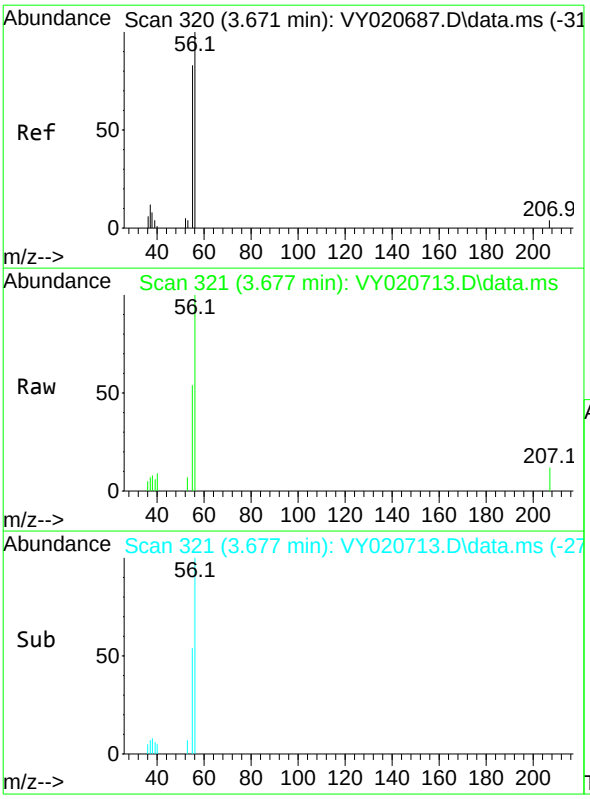


#12
1,1-Dichloroethene
Concen: 49.566 ug/l
RT: 3.805 min Scan# 342
Delta R.T. -0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 96 Resp: 39605

Ion	Ratio	Lower	Upper
96	100		
61	157.7	127.1	190.7
98	65.5	53.4	80.0

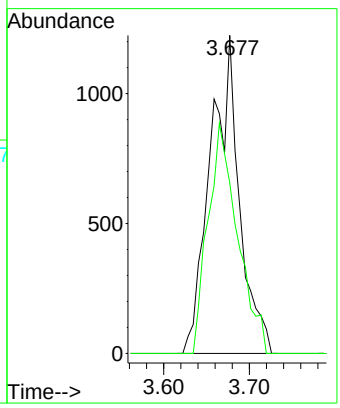




#13
Acrolein
Concen: 143.918 ug/l
RT: 3.677 min Scan# 32
Delta R.T. 0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 56 Resp: 2881

Ion	Ratio	Lower	Upper
56	100		
55	73.5	57.0	85.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Manual Integrations
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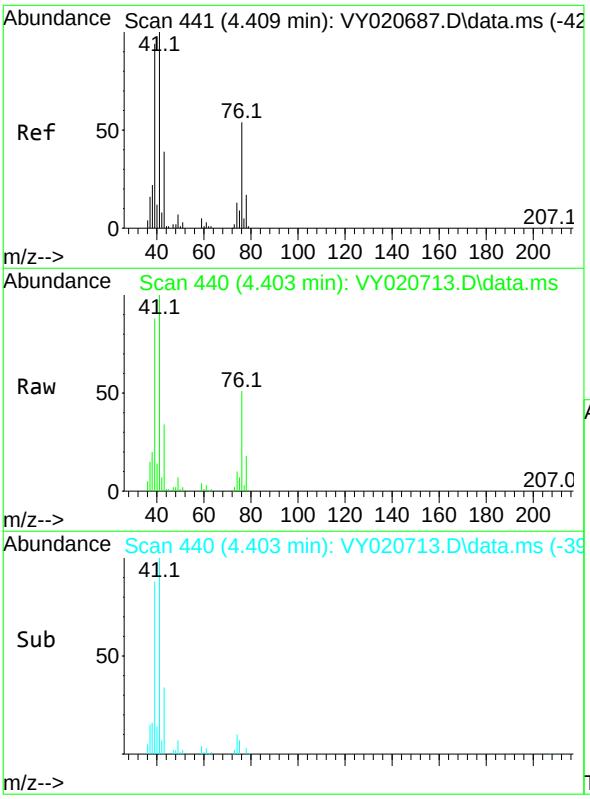
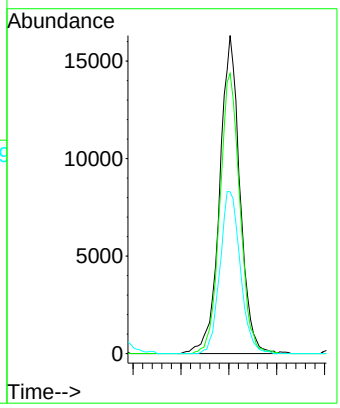
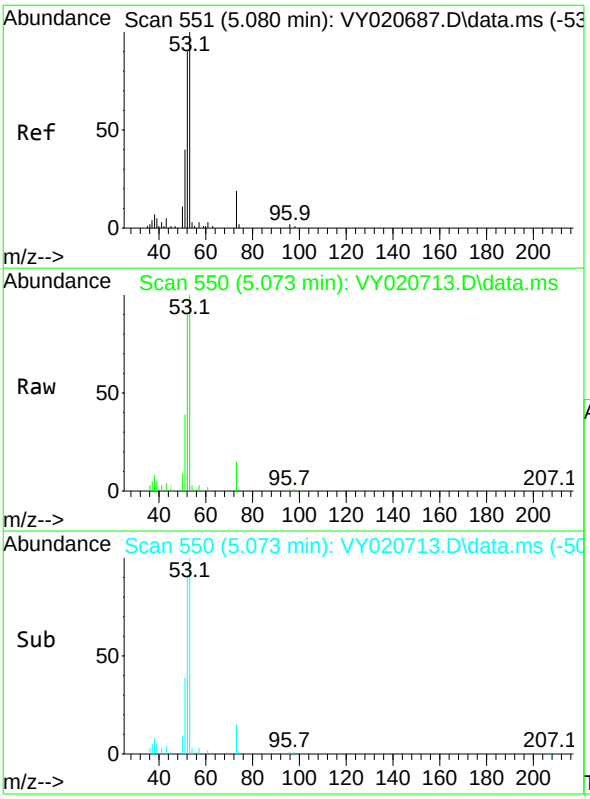


#14
Allyl chloride
Concen: 51.064 ug/l
RT: 4.403 min Scan# 440
Delta R.T. -0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 41 Resp: 47747

Ion	Ratio	Lower	Upper
41	100		
39	87.2	73.5	110.3
76	51.3	41.8	62.8





#15
Acrylonitrile
Concen: 226.940 ug/l
RT: 5.073 min Scan# 55
Delta R.T. -0.007 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 53 Resp: 34113

Ion	Ratio	Lower	Upper
53	100		
52	82.9	67.1	100.7
51	38.9	31.4	47.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Manual Integrations
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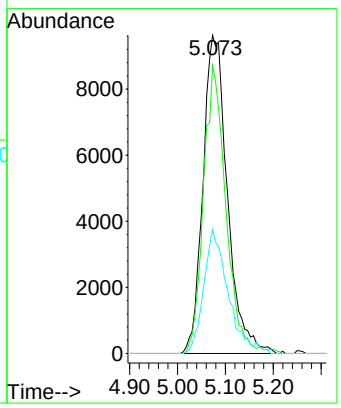
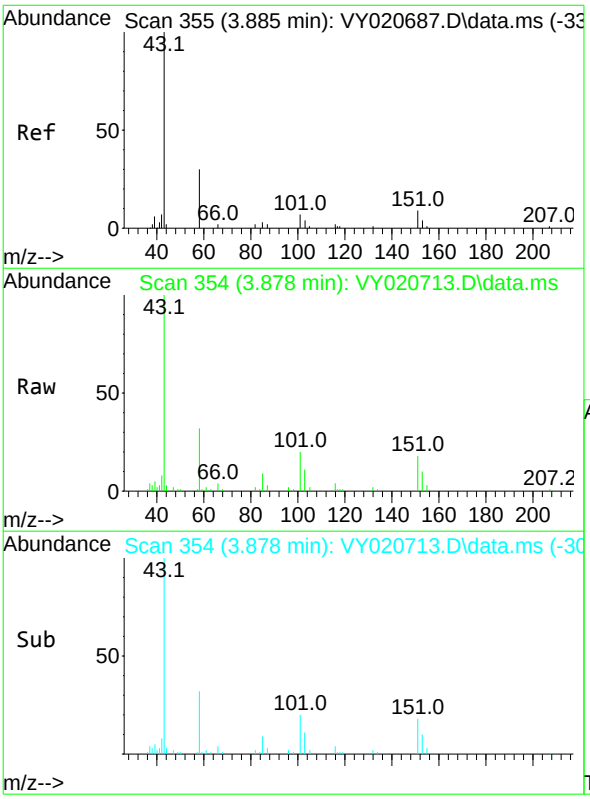
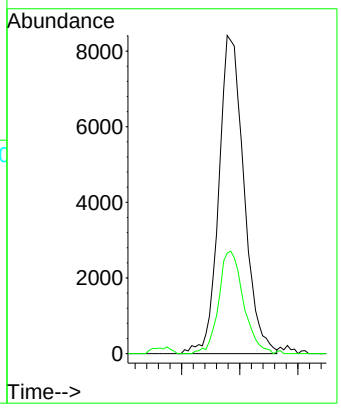


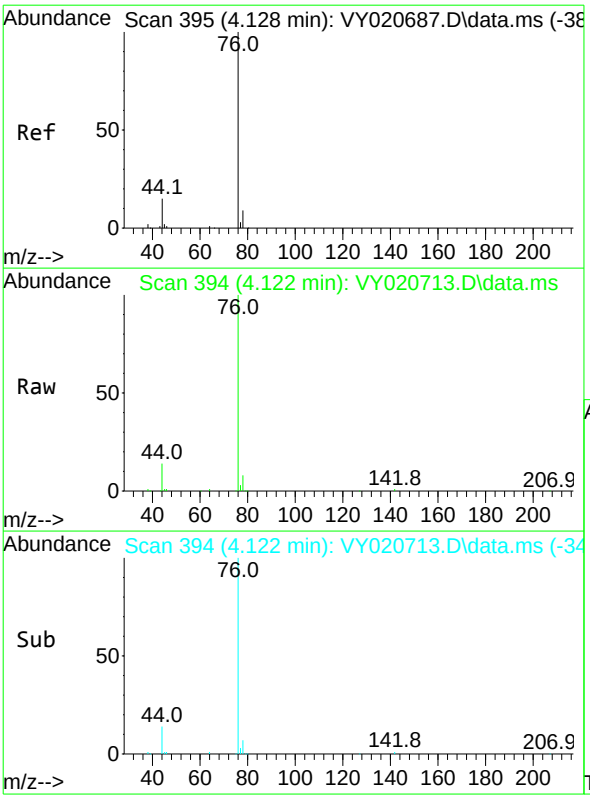


#16
Acetone
Concen: 207.840 ug/l
RT: 3.878 min Scan# 354
Delta R.T. -0.007 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 43 Resp: 25249

Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.0	37.6

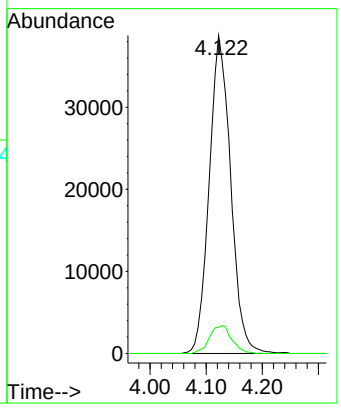




#17
Carbon Disulfide
Concen: 52.554 ug/l
RT: 4.122 min Scan# 39
Delta R.T. -0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 76 Resp: 103010

Ion	Ratio	Lower	Upper
76	100		
78	8.2	6.9	10.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Manual Integrations
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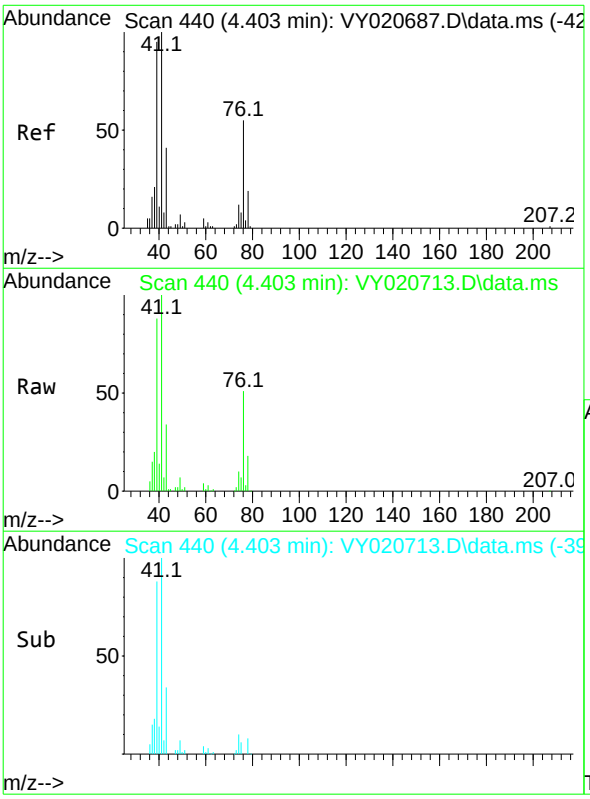
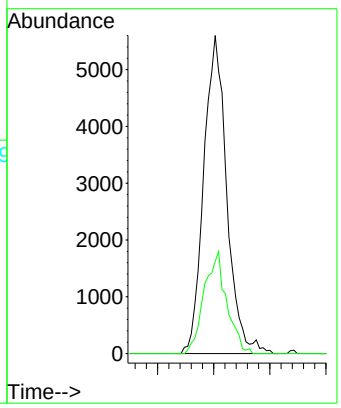
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

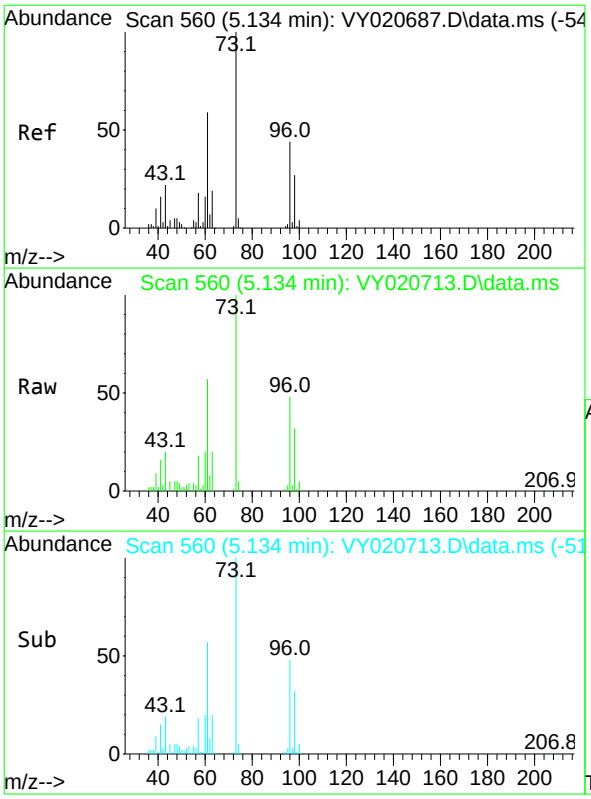


#18
Methyl Acetate
Concen: 48.572 ug/l
RT: 4.403 min Scan# 440
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 43 Resp: 15970

Ion	Ratio	Lower	Upper
43	100		
74	31.5	25.3	37.9





#19
Methyl tert-butyl Ether
Concen: 47.911 ug/l
RT: 5.134 min Scan# 56
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 73 Resp: 106703

Ion	Ratio	Lower	Upper
73	100		
57	18.0	14.4	21.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

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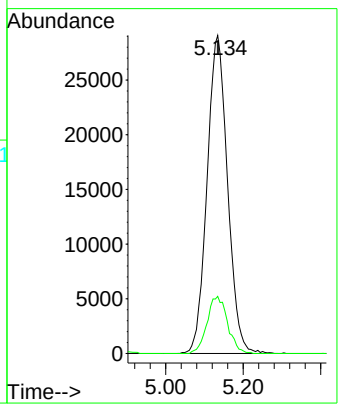
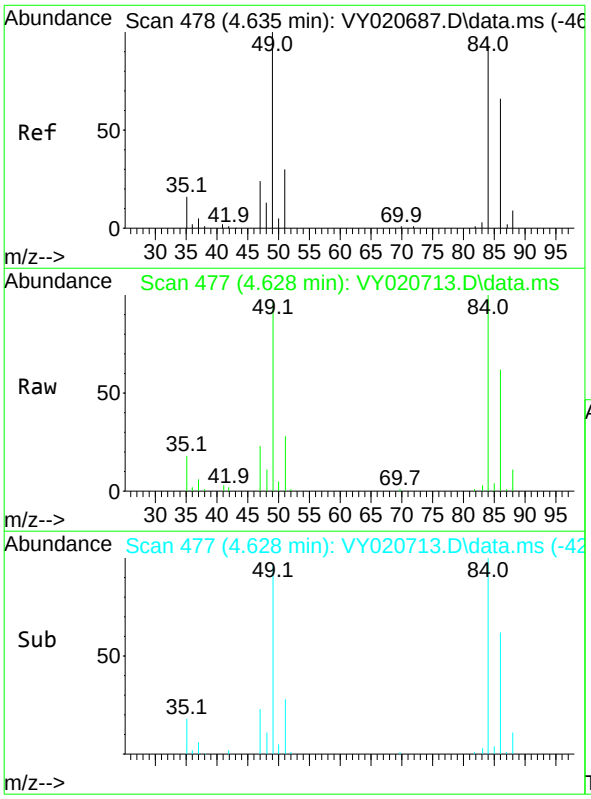
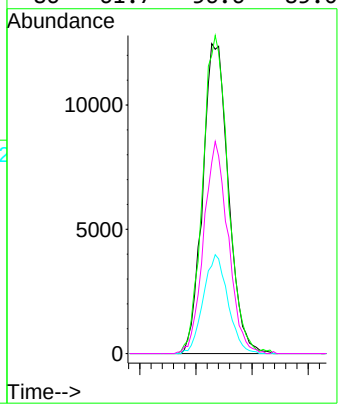


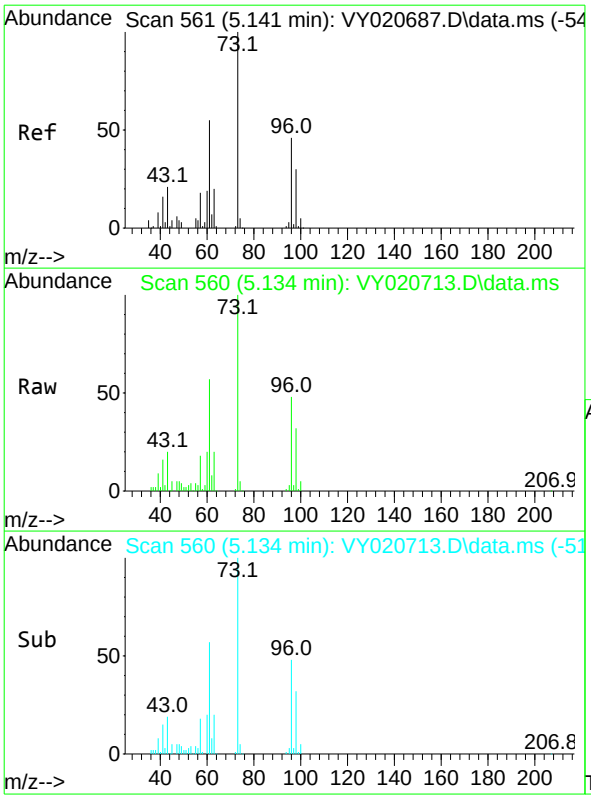


#20
Methylene Chloride
Concen: 50.306 ug/l
RT: 4.628 min Scan# 477
Delta R.T. -0.007 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 84 Resp: 39747

Ion	Ratio	Lower	Upper
84	100		
49	96.3	86.4	129.6
51	28.3	25.5	38.3
86	61.7	56.6	85.0

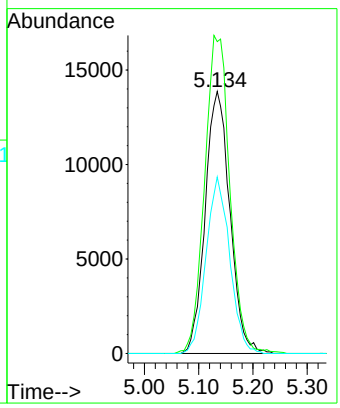




#21
trans-1,2-Dichloroethene
Concen: 50.999 ug/l
RT: 5.134 min Scan# 56
Delta R.T. -0.007 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 96 Resp: 43912

Ion	Ratio	Lower	Upper
96	100		
61	118.5	96.1	144.1
98	67.4	52.7	79.1



Instrument :
MSVOA_Y
ClientSampleId :
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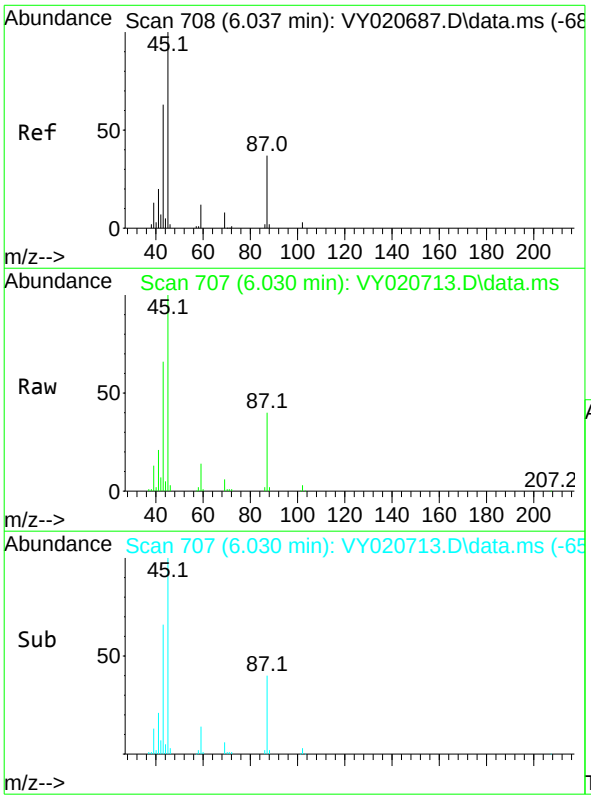
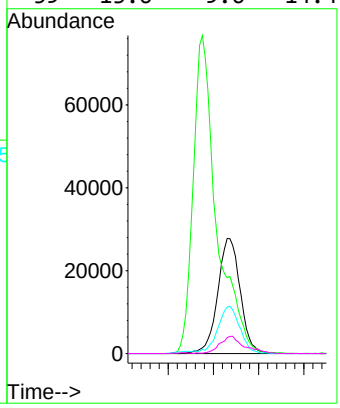
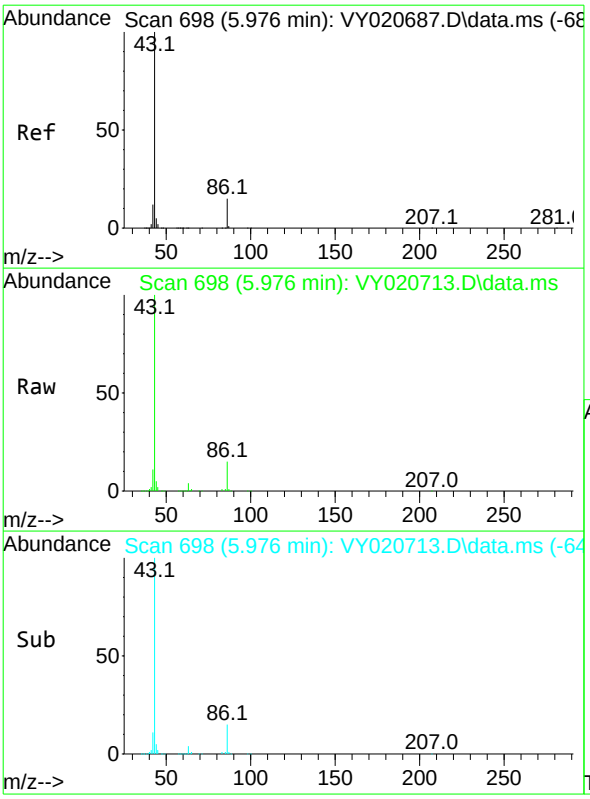


#22
Diisopropyl ether
Concen: 50.460 ug/l
RT: 6.030 min Scan# 707
Delta R.T. -0.007 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 45 Resp: 95914

Ion	Ratio	Lower	Upper
45	100		
43	65.3	51.3	76.9
87	40.3	30.6	46.0
59	13.6	9.6	14.4





#23
Vinyl Acetate
Concen: 242.987 ug/l
RT: 5.976 min Scan# 69
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 43 Resp: 275873

Ion	Ratio	Lower	Upper
43	100		
86	14.8	12.0	18.0

Instrument :
MSVOA_Y
ClientSampleId :
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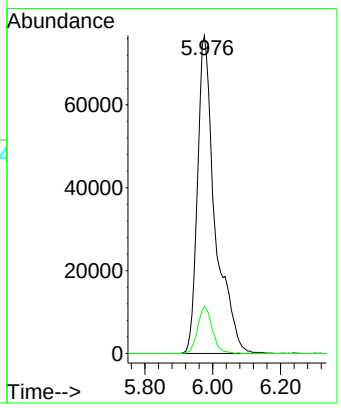
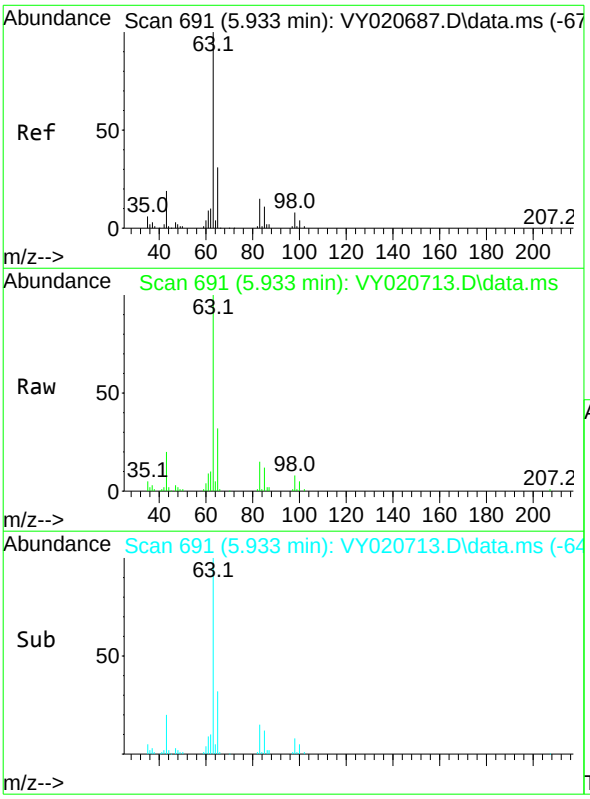
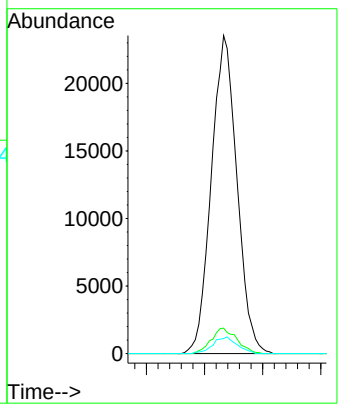


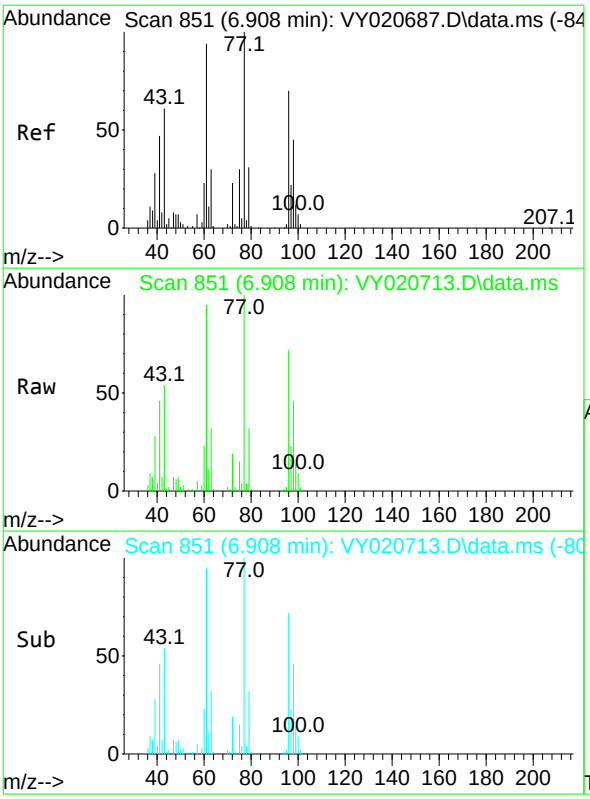


#24
1,1-Dichloroethane
Concen: 50.544 ug/l
RT: 5.933 min Scan# 691
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 63 Resp: 72030

Ion	Ratio	Lower	Upper
63	100		
98	8.0	4.0	12.0
100	4.7	2.1	6.2

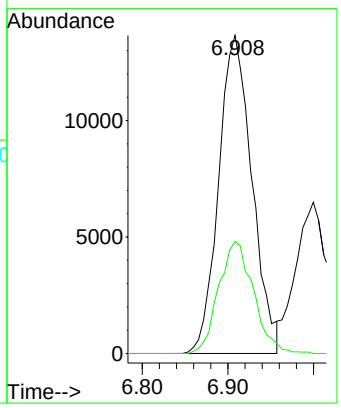




#25
2-Butanone
Concen: 225.260 ug/l
RT: 6.908 min Scan# 85
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 43 Resp: 36966

Ion	Ratio	Lower	Upper
43	100		
72	35.2	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
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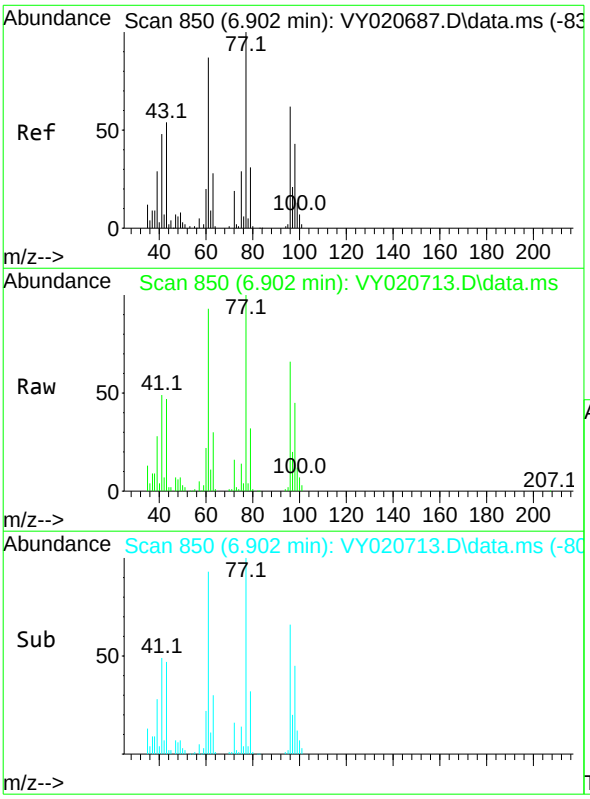
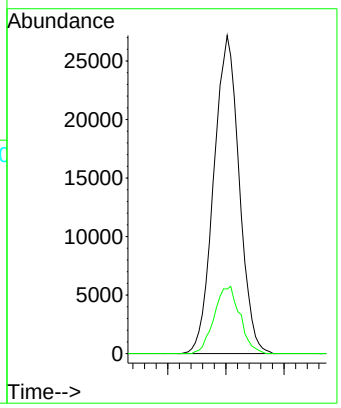
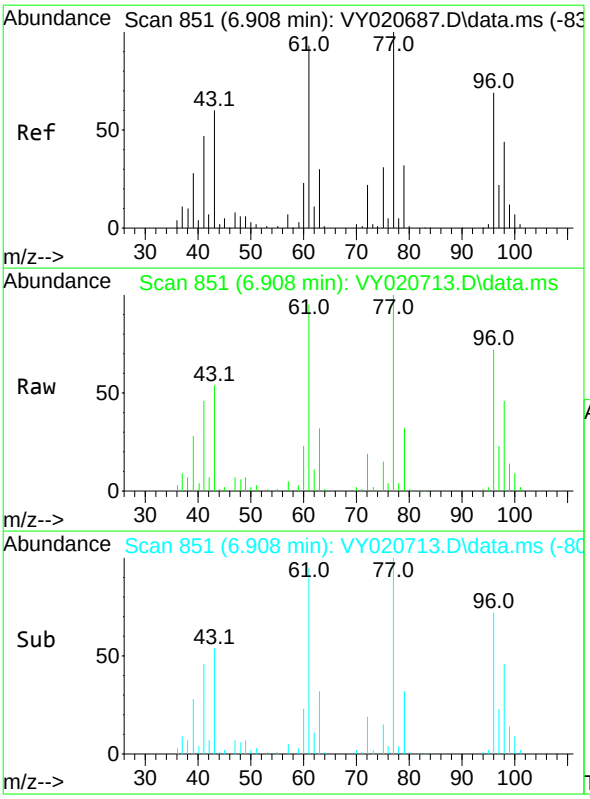


#26
2,2-Dichloropropane
Concen: 47.328 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 77 Resp: 82553

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.8	32.4





#27
cis-1,2-Dichloroethene
Concen: 49.666 ug/l
RT: 6.908 min Scan# 85
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 96 Resp: 51212

Ion	Ratio	Lower	Upper
96	100		
61	135.9	0.0	277.2
98	66.0	0.0	131.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

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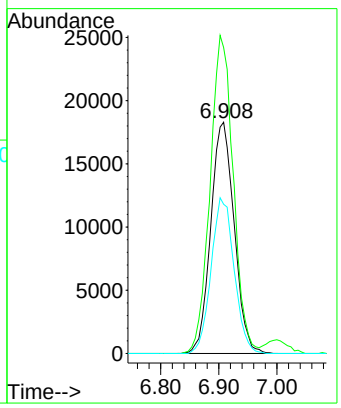
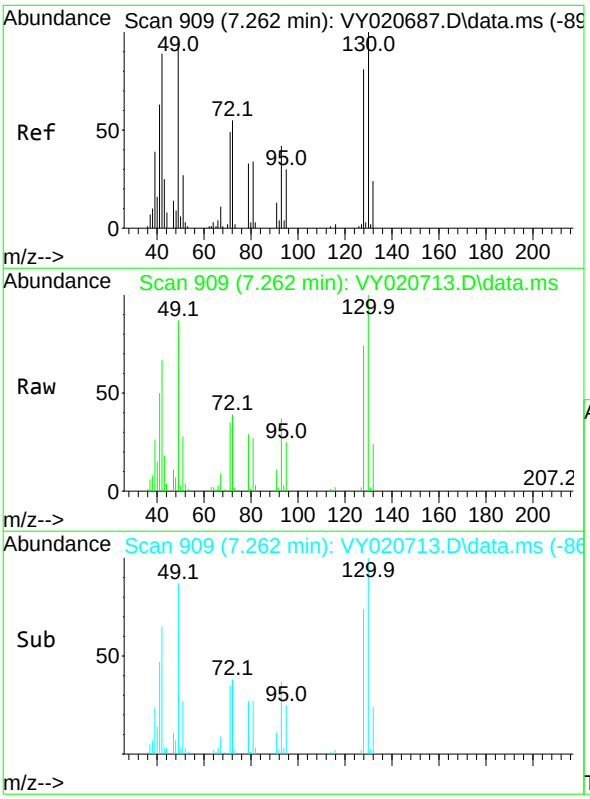
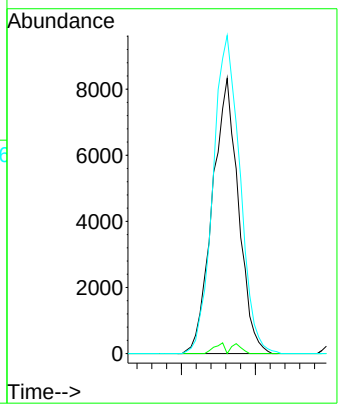


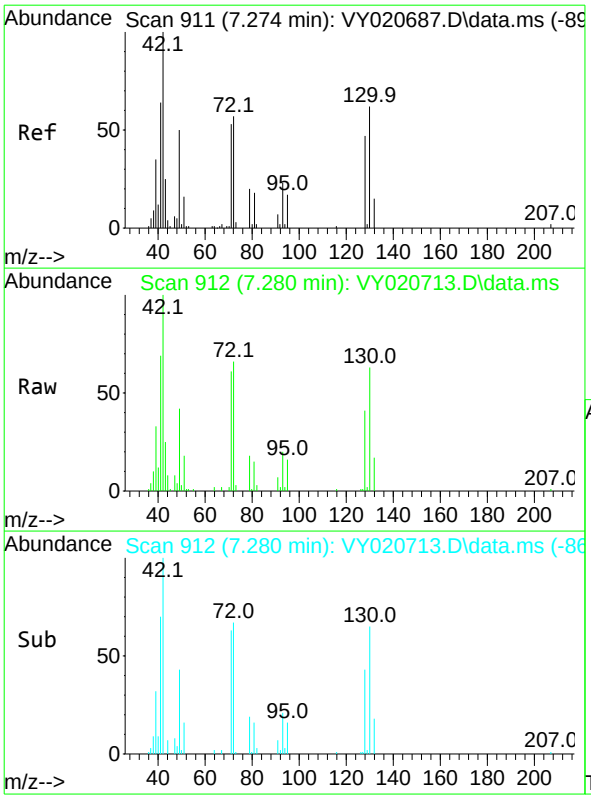


#28
Bromochloromethane
Concen: 54.165 ug/l
RT: 7.262 min Scan# 909
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 49 Resp: 20413

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	5.4
130	119.2	87.2	130.8

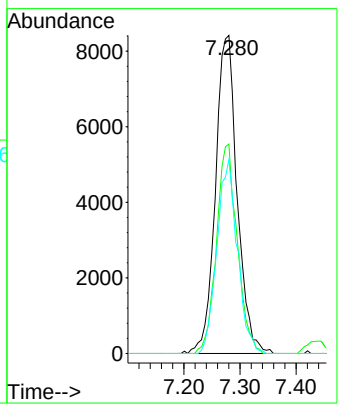




#29
Tetrahydrofuran
Concen: 224.521 ug/l
RT: 7.280 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 42 Resp: 22616

Ion	Ratio	Lower	Upper
42	100		
72	63.0	47.4	71.0
71	57.5	42.8	64.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

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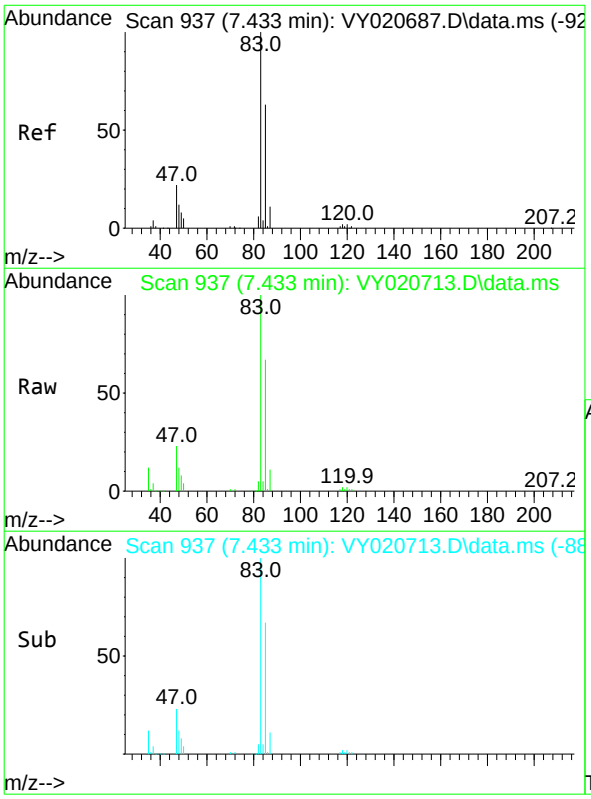
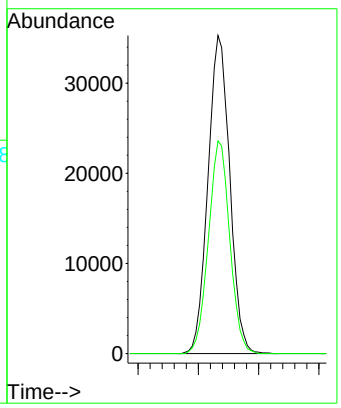
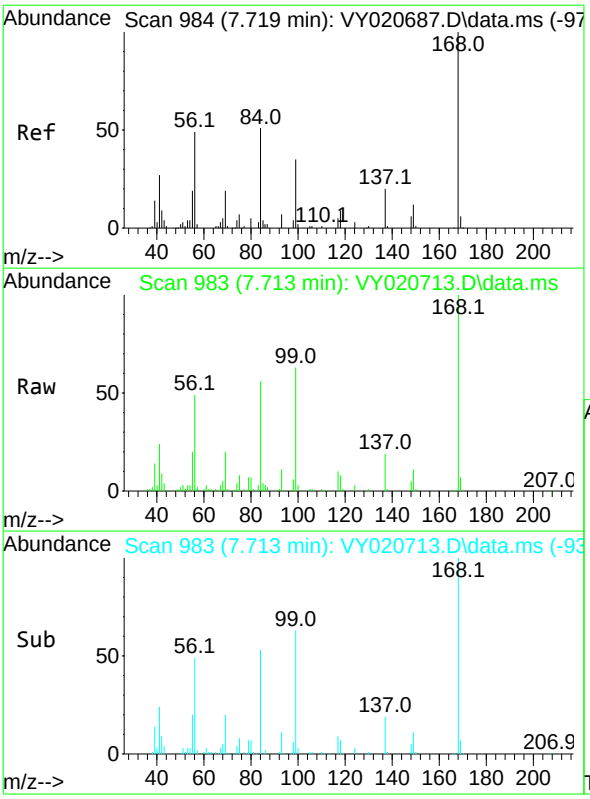


#30
Chloroform
Concen: 48.353 ug/l
RT: 7.433 min Scan# 937
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 83 Resp: 88644

Ion	Ratio	Lower	Upper
83	100		
85	66.9	50.2	75.2

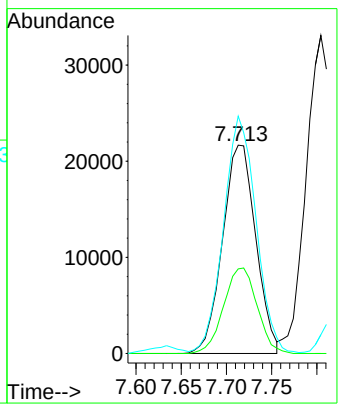




#31
Cyclohexane
Concen: 44.979 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 56 Resp: 55329

Ion	Ratio	Lower	Upper
56	100		
69	40.6	31.3	46.9
84	111.9	83.9	125.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

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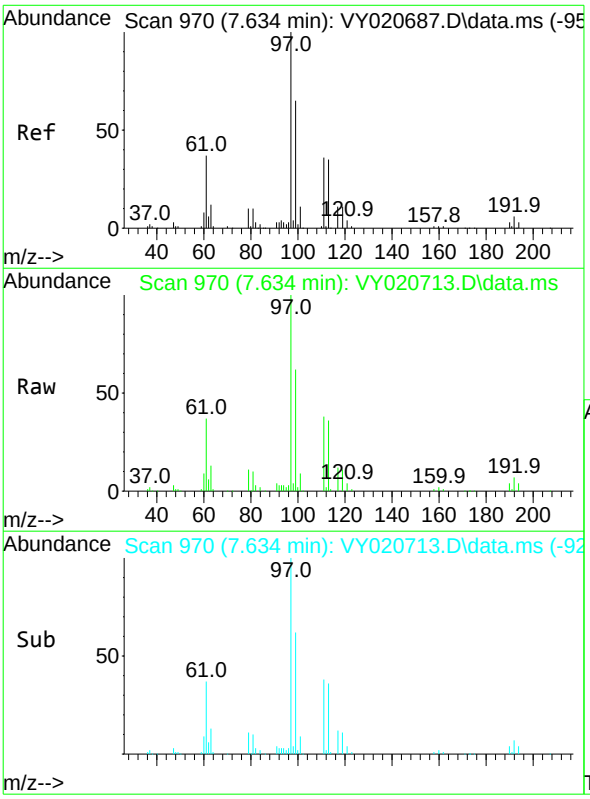
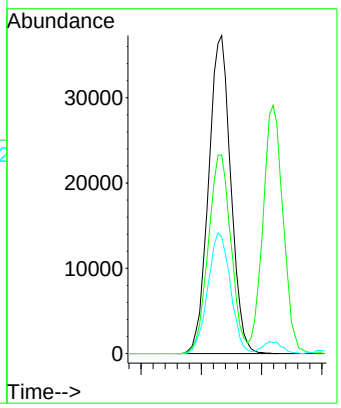
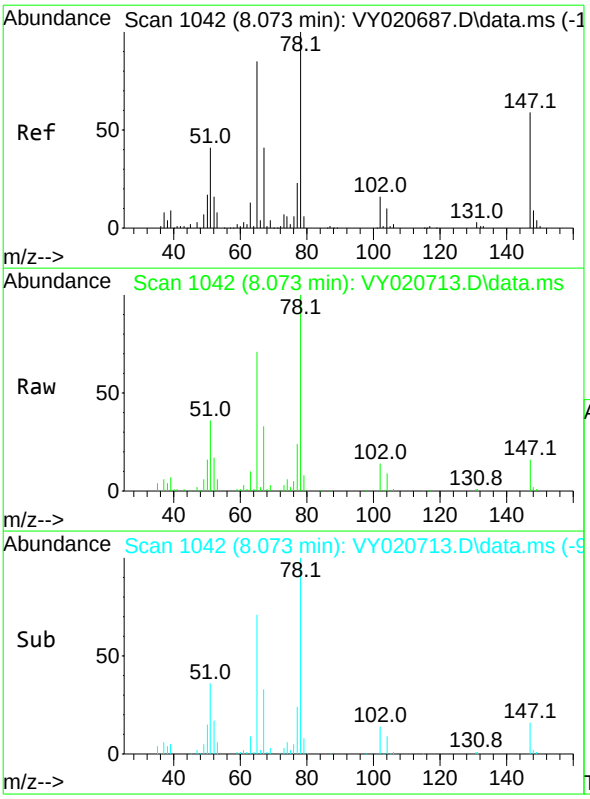


#32
1,1,1-Trichloroethane
Concen: 48.484 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 97 Resp: 95277

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	38.6	30.0	45.0





#33
1,2-Dichloroethane-d4
Concen: 52.910 ug/l
RT: 8.073 min Scan# 10
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 65 Resp: 50667

Ion	Ratio	Lower	Upper
65	100		
67	47.3	0.0	98.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

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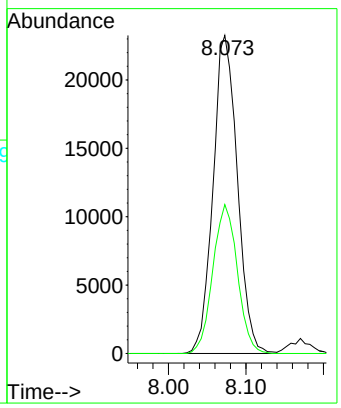
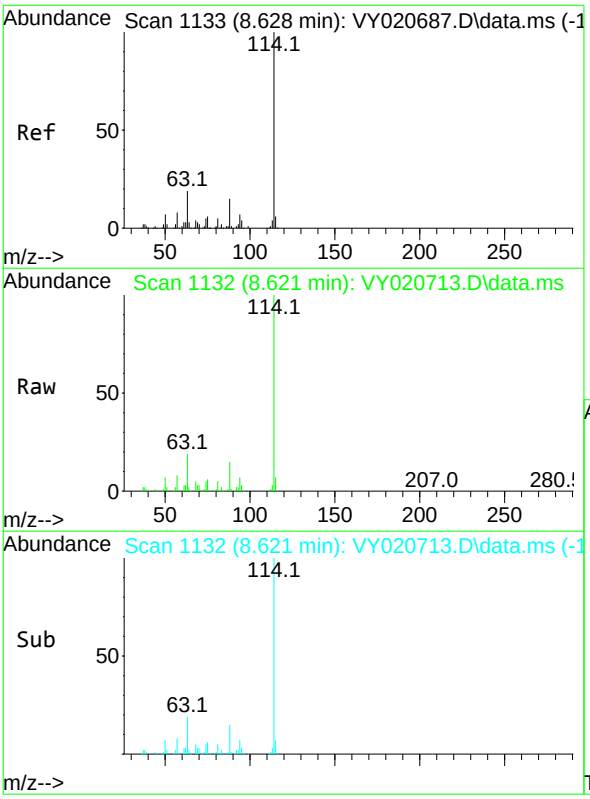
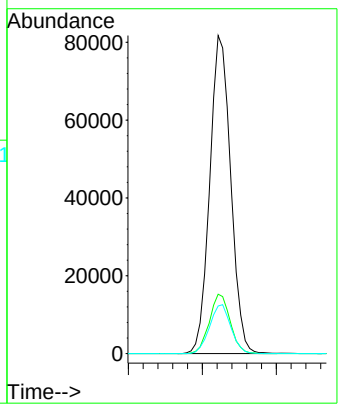


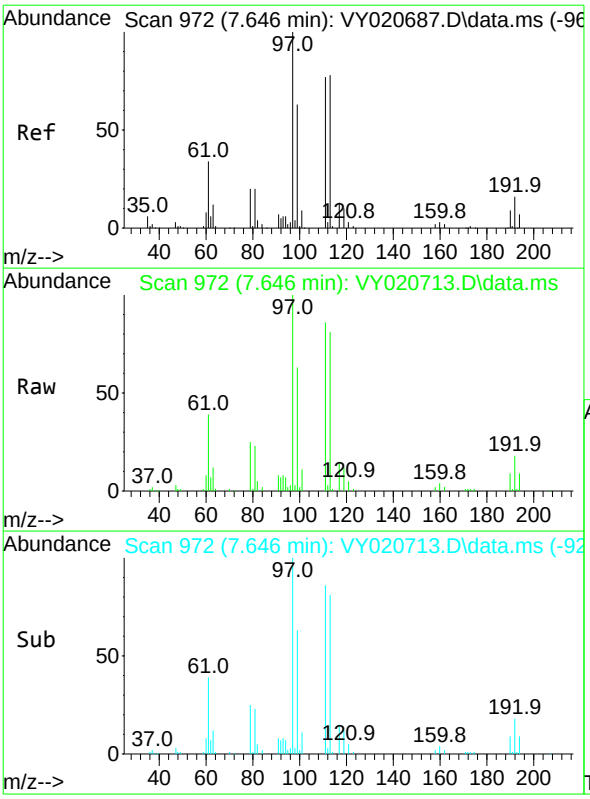


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 1132
Delta R.T. -0.007 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:114 Resp: 160856

Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	38.4
88	15.0	0.0	30.4





#35
Dibromofluoromethane
Concen: 52.779 ug/l
RT: 7.646 min Scan# 97
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:113 Resp: 46763

Ion	Ratio	Lower	Upper
113	100		
111	102.9	79.8	119.8
192	21.9	17.0	25.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

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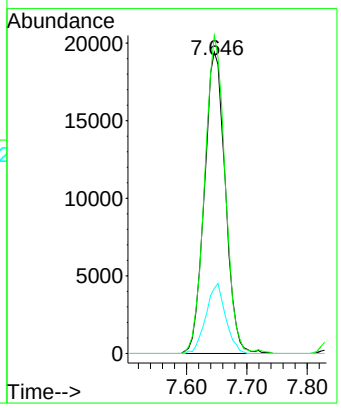
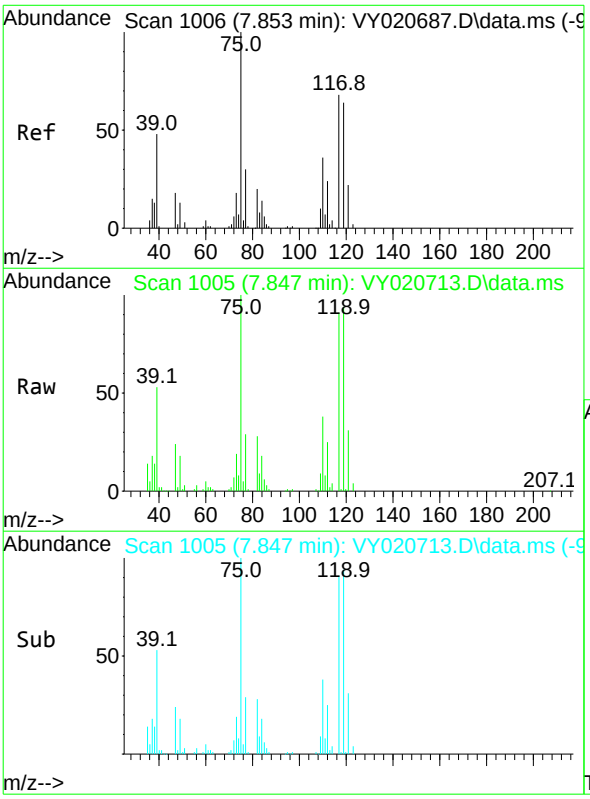
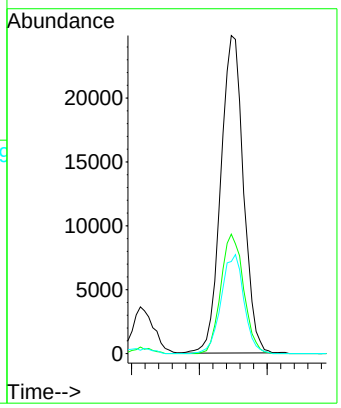


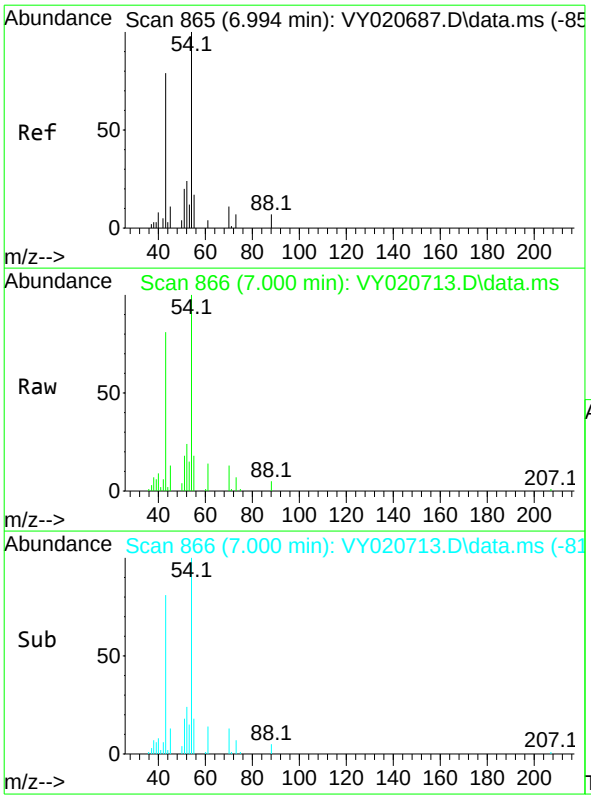


#36
1,1-Dichloropropene
Concen: 49.340 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. -0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 75 Resp: 57746

Ion	Ratio	Lower	Upper
75	100		
110	37.7	19.6	58.7
77	31.4	25.1	37.7





#37
Ethyl Acetate
Concen: 46.791 ug/l
RT: 7.000 min Scan# 86
Delta R.T. 0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 43 Resp: 18046

Ion	Ratio	Lower	Upper
43	100		
61	16.1	11.7	17.5
70	13.0	11.0	16.4

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

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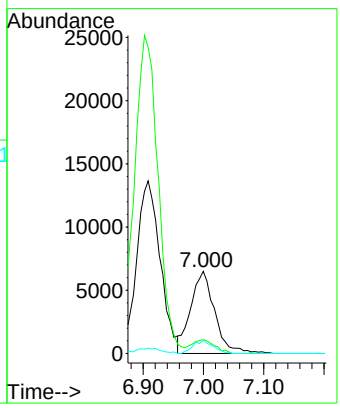
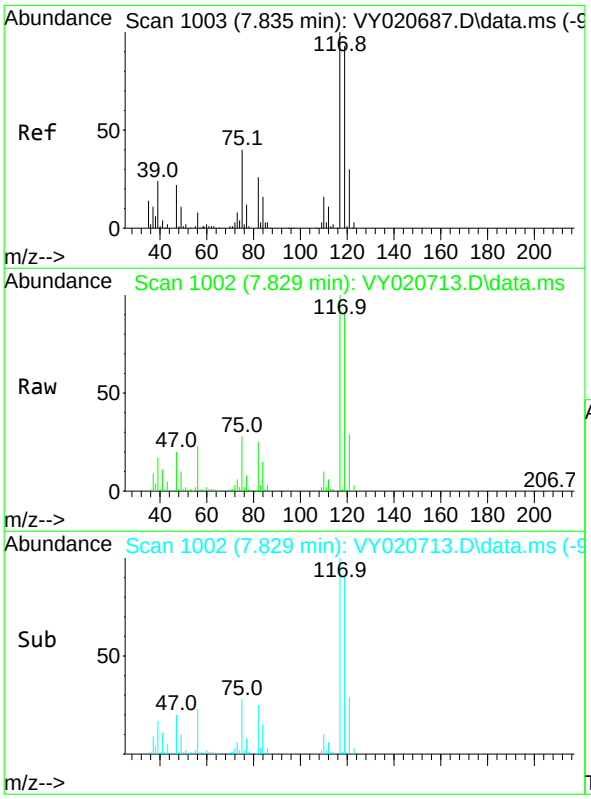
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

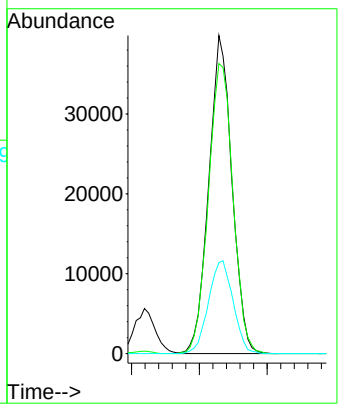


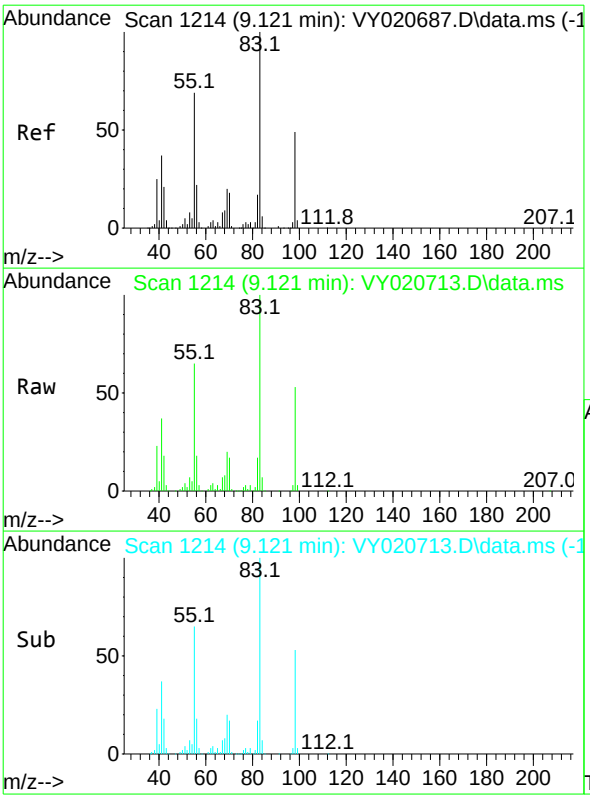


#38
Carbon Tetrachloride
Concen: 49.087 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:117 Resp: 94603

Ion	Ratio	Lower	Upper
117	100		
119	91.2	74.4	111.6
121	28.6	24.2	36.2





#39
Methylcyclohexane
Concen: 50.860 ug/l
RT: 9.121 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 83 Resp: 76295

Ion	Ratio	Lower	Upper
83	100		
55	65.3	55.0	82.4
98	52.8	39.0	58.6

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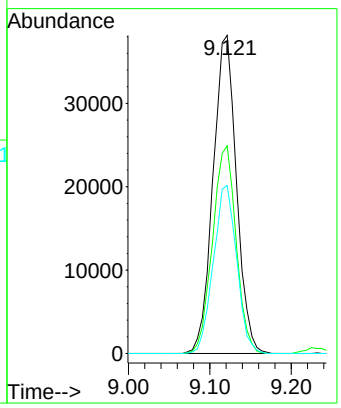
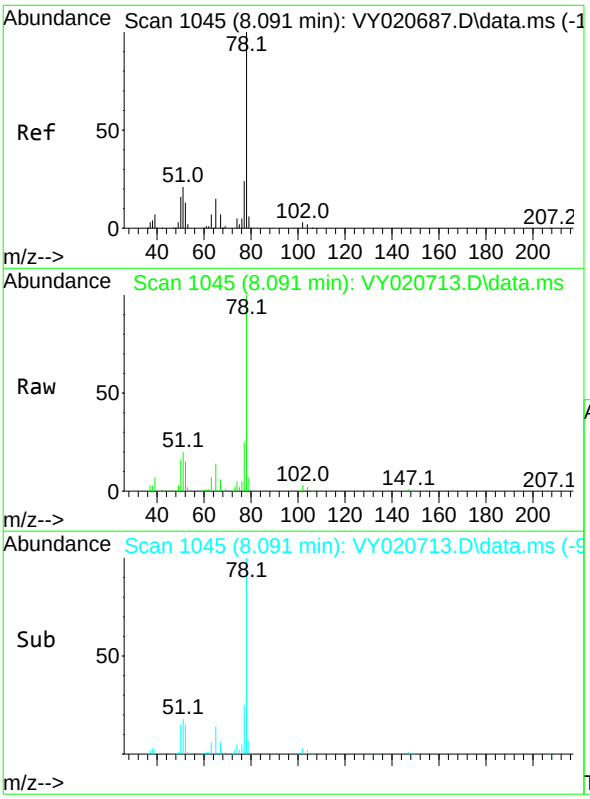
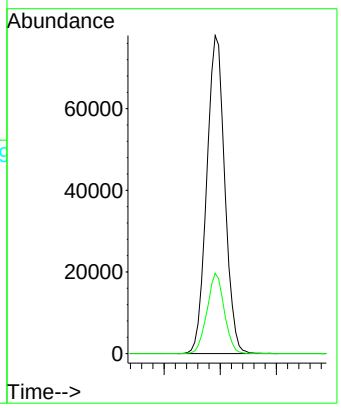


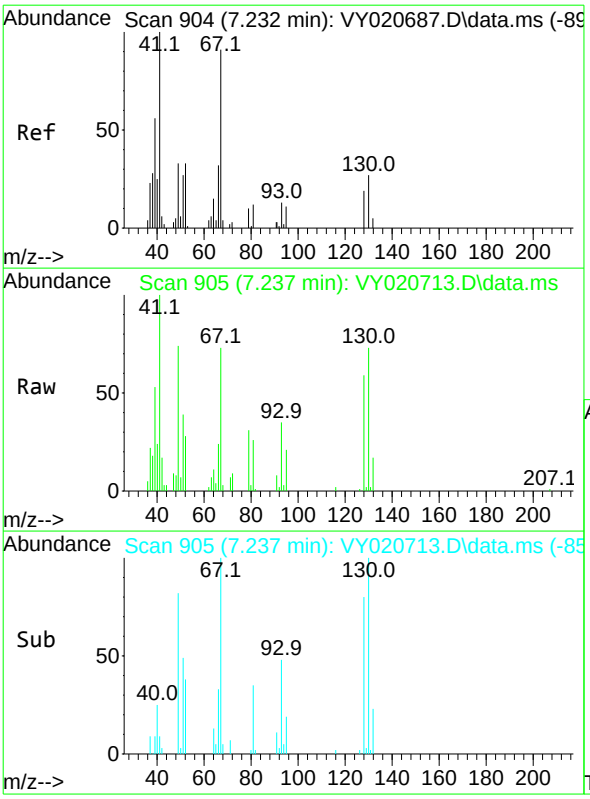


#40
Benzene
Concen: 51.214 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 78 Resp: 173716

Ion	Ratio	Lower	Upper
78	100		
77	25.3	19.2	28.8

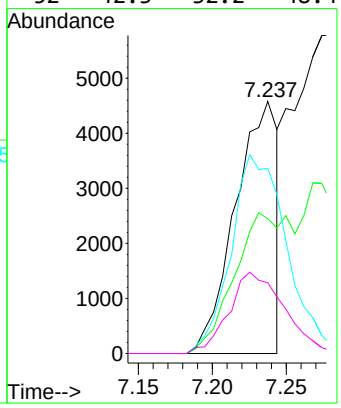




#41
Methacrylonitrile
Concen: 46.896 ug/l
RT: 7.237 min Scan# 90
Delta R.T. 0.005 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 41 Resp: 9136

Ion	Ratio	Lower	Upper
41	100		
39	57.0	46.6	70.0
67	103.5	74.7	112.1
52	42.3	32.2	48.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

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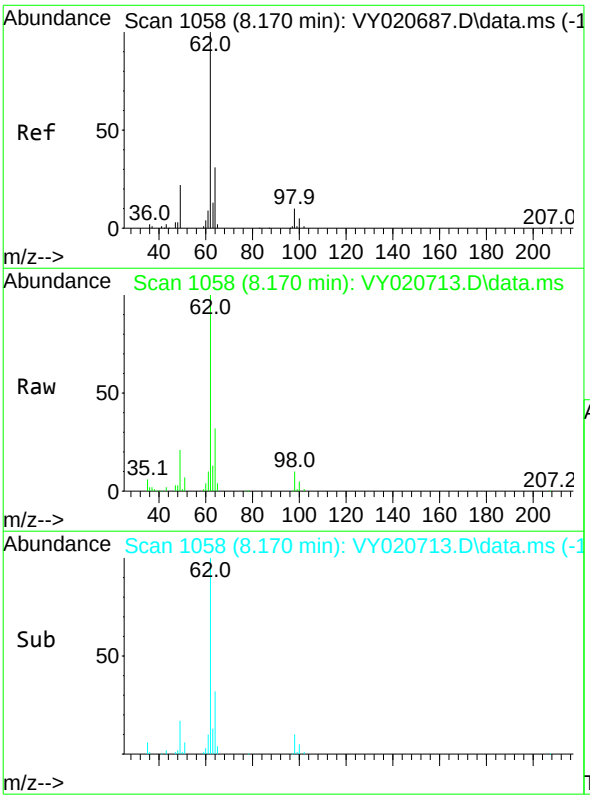
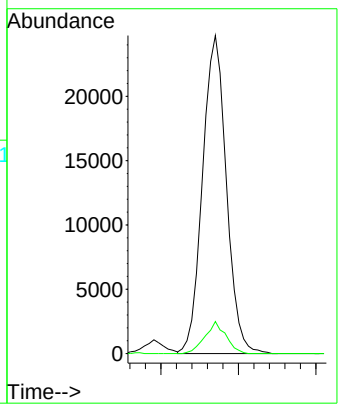
Supervised By :Semsettin Yesilyurt 12/27/2024

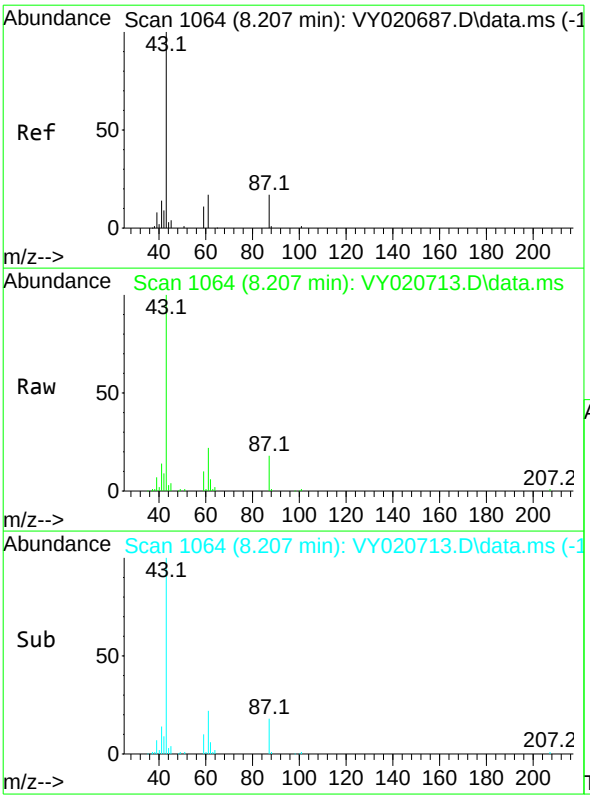


#42
1,2-Dichloroethane
Concen: 48.661 ug/l
RT: 8.170 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 62 Resp: 52925

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.6





#43
Isopropyl Acetate
Concen: 46.479 ug/l
RT: 8.207 min Scan# 10
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 43 Resp: 38101

Ion	Ratio	Lower	Upper
43	100		
61	35.8	27.0	40.4
87	18.3	14.2	21.4

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

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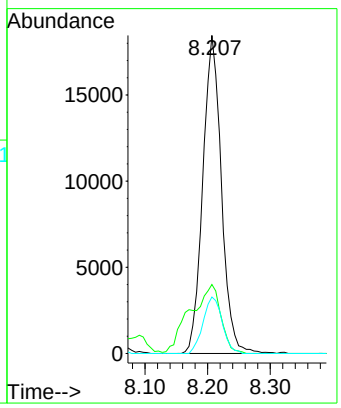
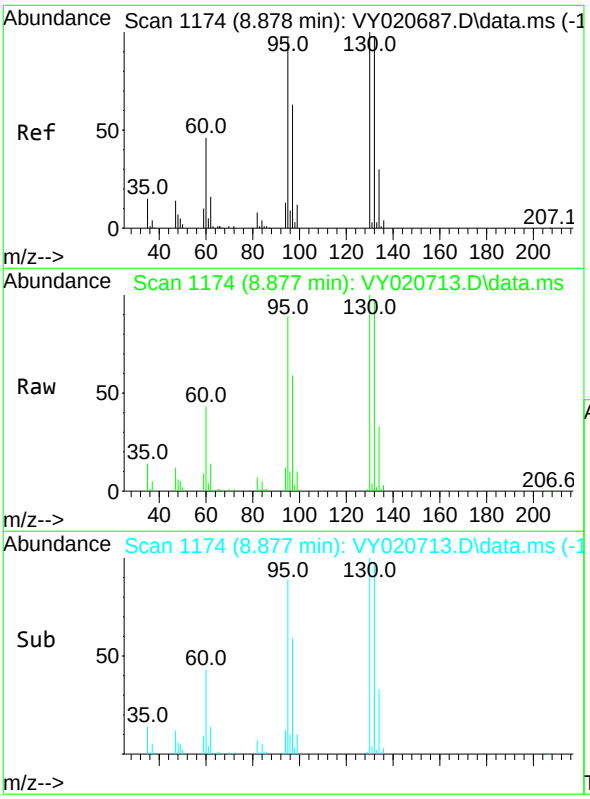
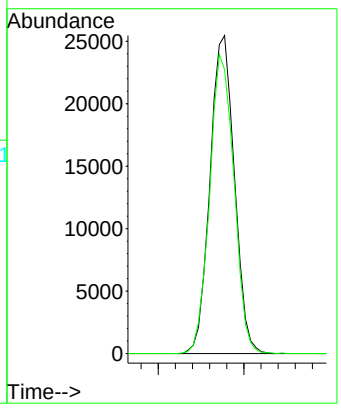


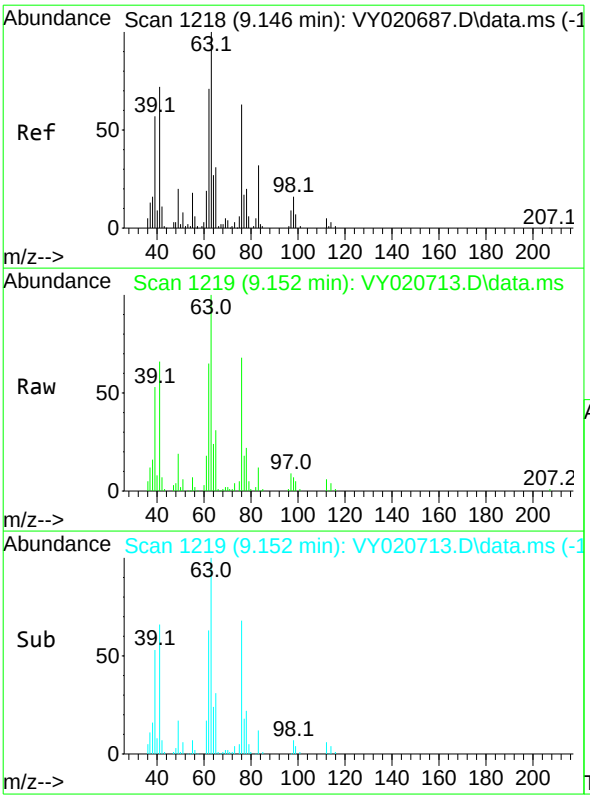


#44
Trichloroethene
Concen: 49.703 ug/l
RT: 8.877 min Scan# 1174
Delta R.T. -0.001 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:130 Resp: 50355

Ion	Ratio	Lower	Upper
130	100		
95	89.3	0.0	194.8

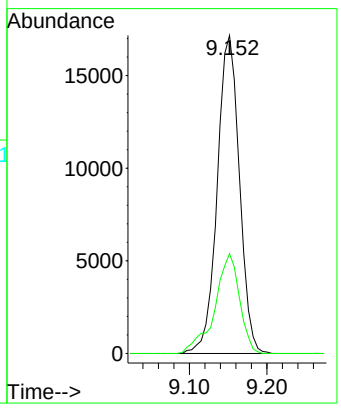




#45
1,2-Dichloropropane
Concen: 49.593 ug/l
RT: 9.152 min Scan# 12
Delta R.T. 0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 63 Resp: 34051

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
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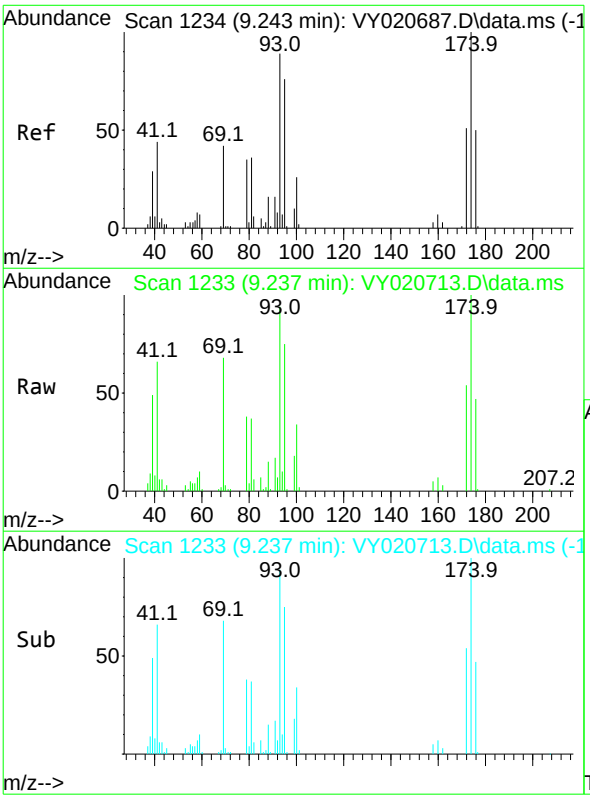
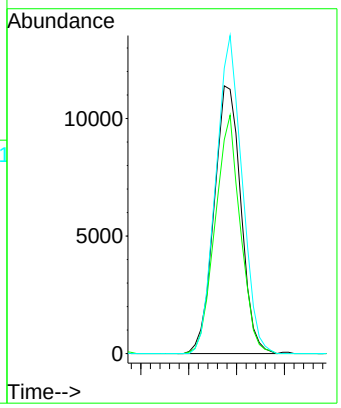
Supervised By :Semsettin Yesilyurt 12/27/2024

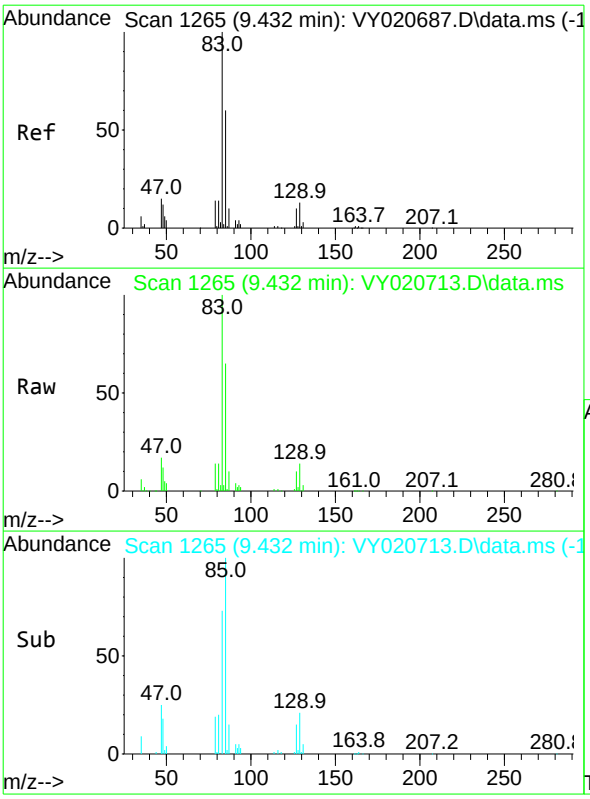


#46
Dibromomethane
Concen: 46.666 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 93 Resp: 22170

Ion	Ratio	Lower	Upper
93	100		
95	83.8	67.8	101.8
174	115.7	89.4	134.0

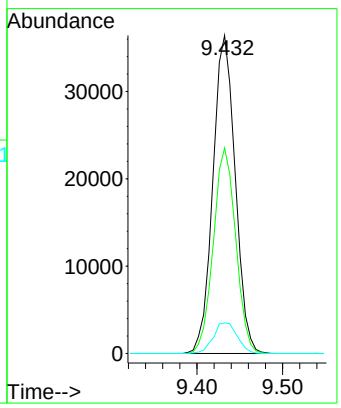




#47
Bromodichloromethane
Concen: 48.995 ug/l
RT: 9.432 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 83 Resp: 65991

Ion	Ratio	Lower	Upper
83	100		
85	64.6	47.6	71.4
127	9.6	7.9	11.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Manual Integrations
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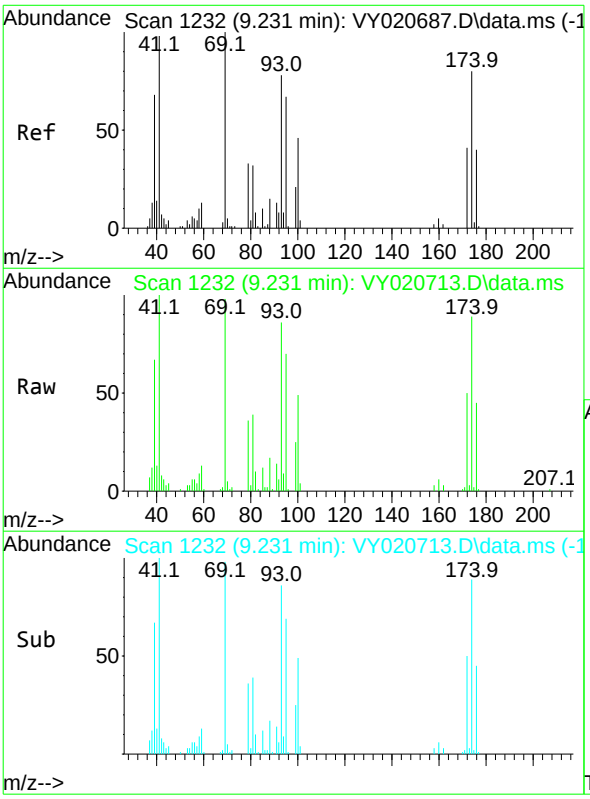
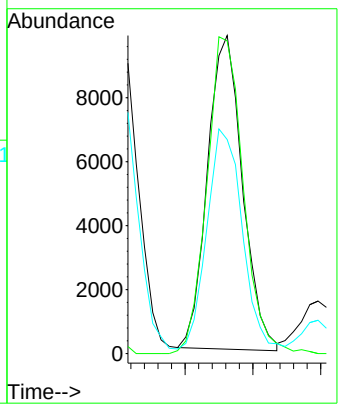
Supervised By :Semsettin Yesilyurt 12/27/2024

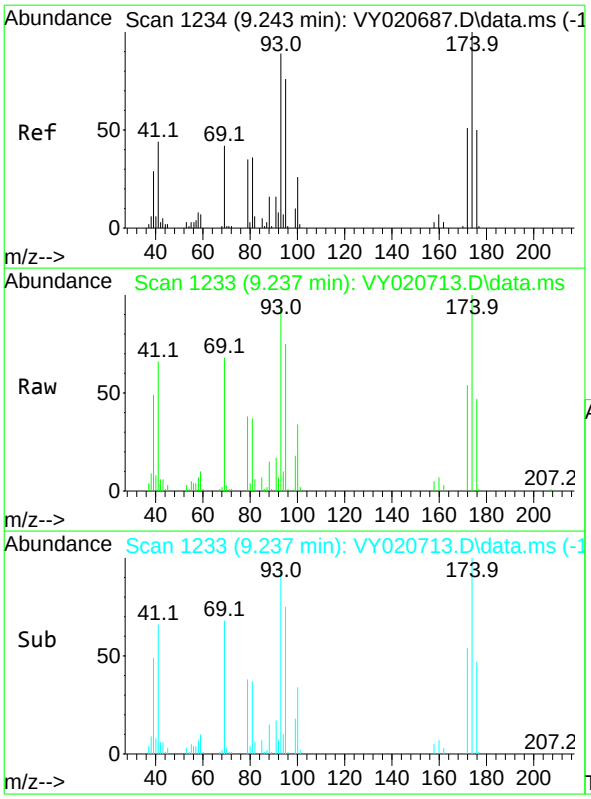


#48
Methyl methacrylate
Concen: 45.829 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 41 Resp: 17544

Ion	Ratio	Lower	Upper
41	100		
69	105.1	83.1	124.7
39	71.1	57.3	85.9





#49
1,4-Dioxane
Concen: 998.617 ug/l
RT: 9.237 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 88 Resp: 4519

Ion	Ratio	Lower	Upper
88	100		
43	31.2	22.1	33.1
58	59.8	46.7	70.1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

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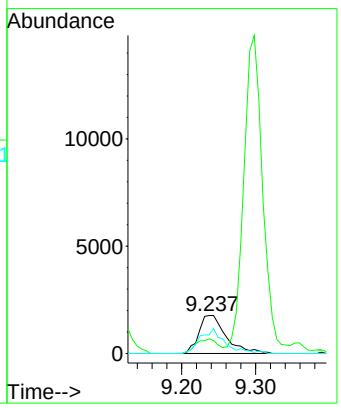
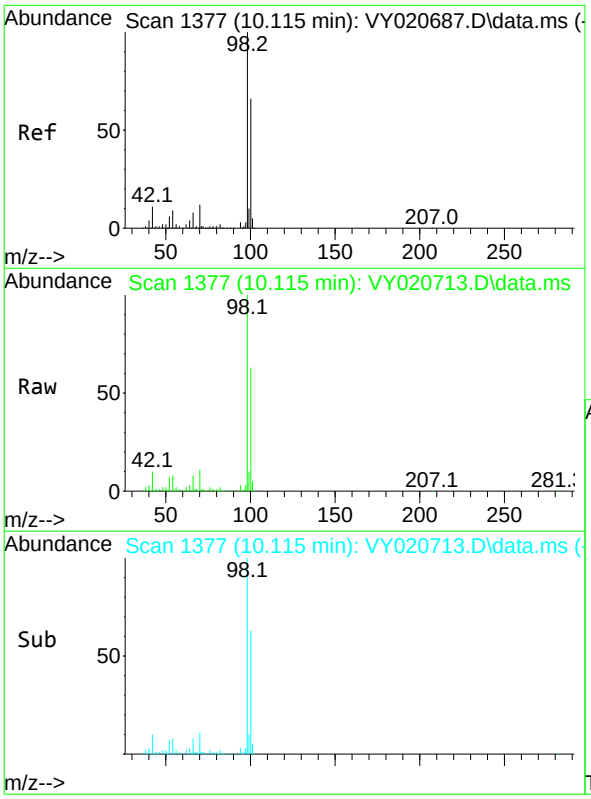
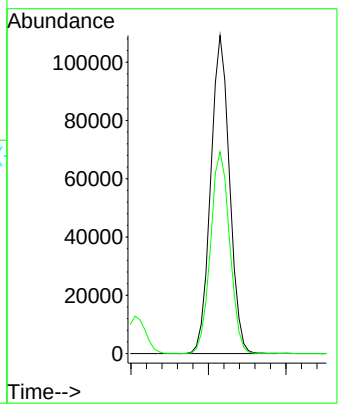


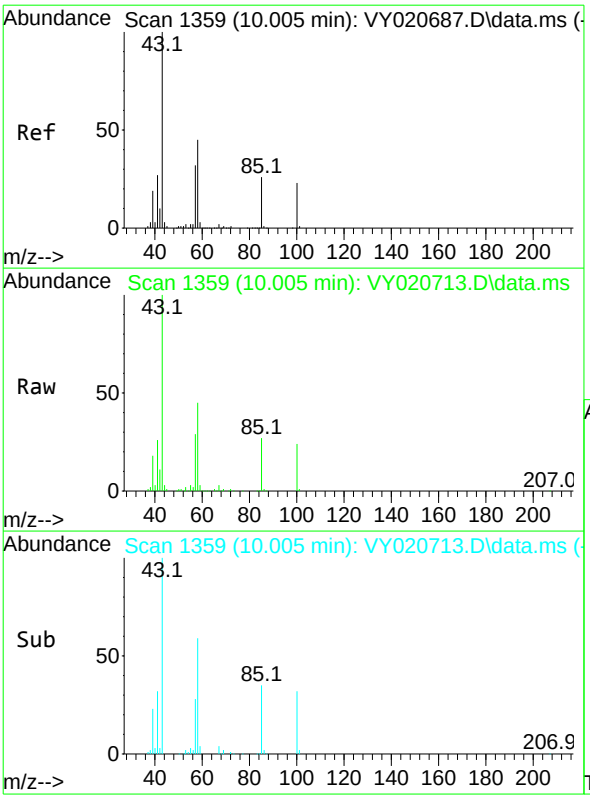


#50
Toluene-d8
Concen: 52.171 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 98 Resp: 184089

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.4

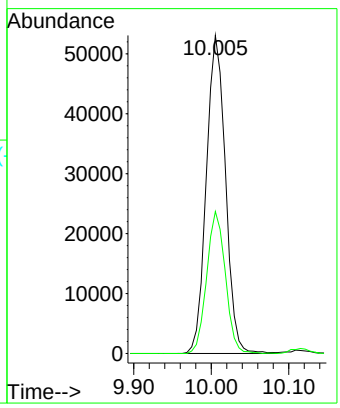




#51
4-Methyl-2-Pentanone
Concen: 230.147 ug/l
RT: 10.005 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 43 Resp: 91062

Ion	Ratio	Lower	Upper
43	100		
58	43.5	35.1	52.7



Instrument :
MSVOA_Y
ClientSampleId :
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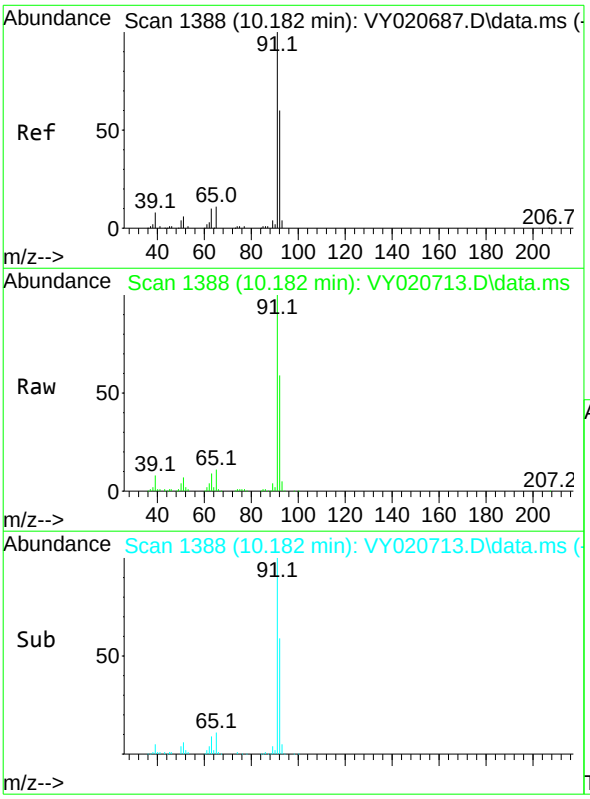
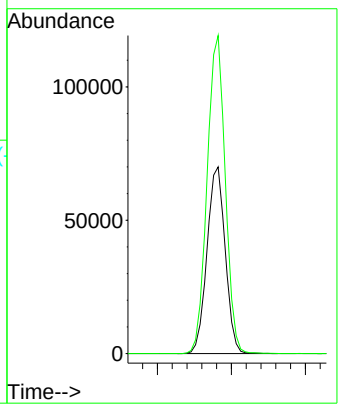
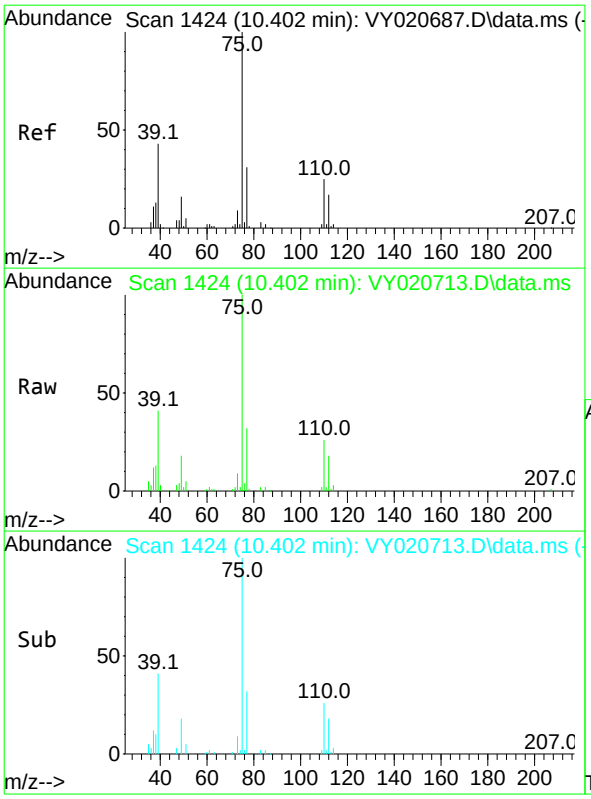


#52
Toluene
Concen: 51.455 ug/l
RT: 10.182 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 92 Resp: 119622

Ion	Ratio	Lower	Upper
92	100		
91	169.7	137.7	206.5

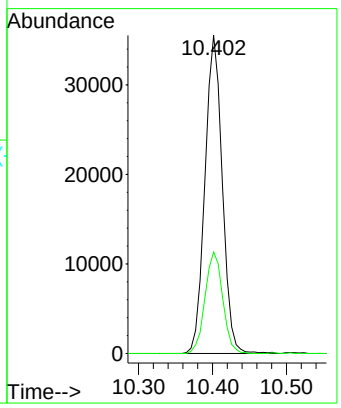




#53
t-1,3-Dichloropropene
Concen: 48.805 ug/l
RT: 10.402 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 75 Resp: 57734

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.1	37.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

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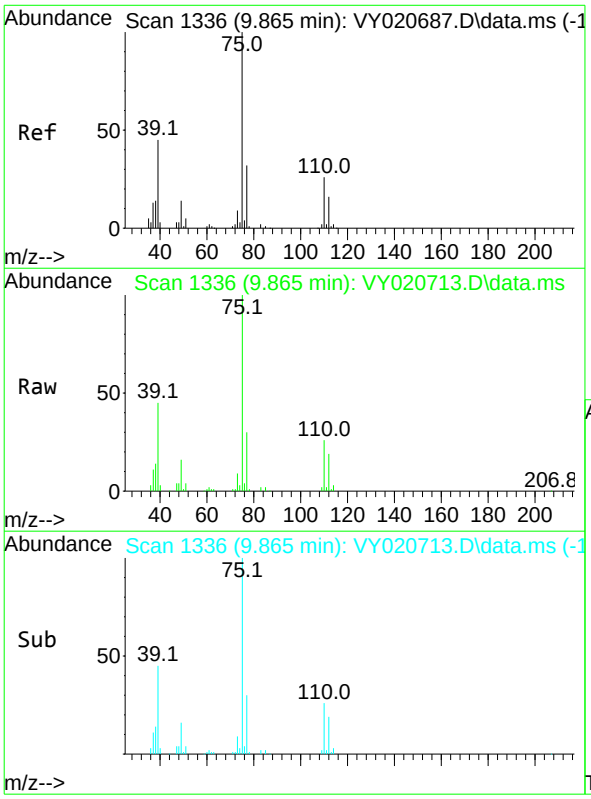
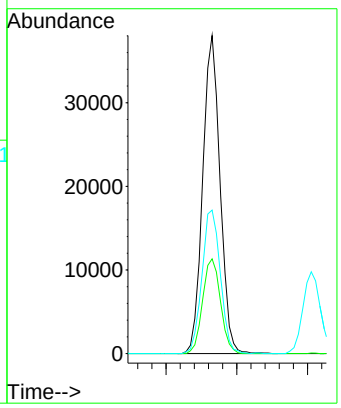
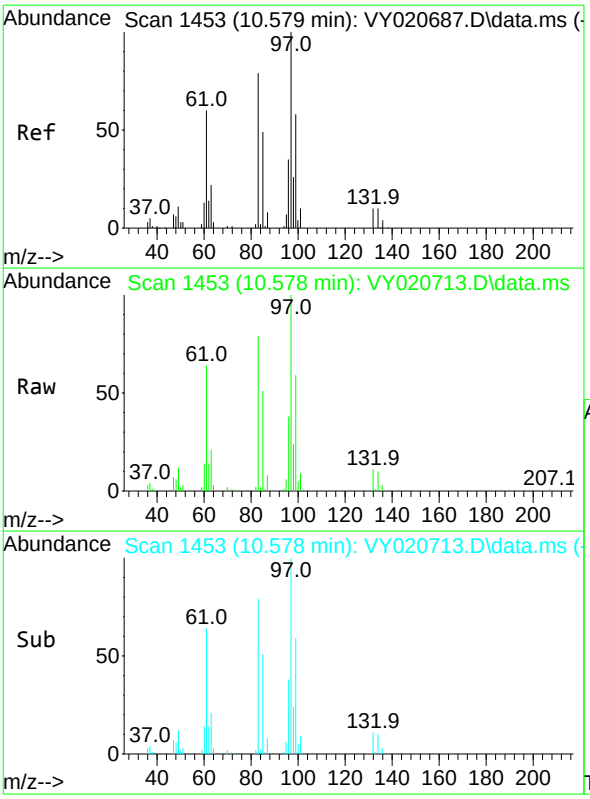


#54
cis-1,3-Dichloropropene
Concen: 49.949 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 75 Resp: 64766

Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.6	38.4
39	45.1	36.2	54.2

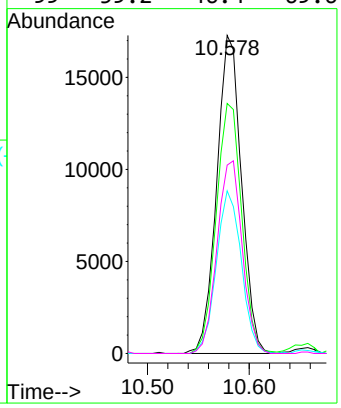




#55
1,1,2-Trichloroethane
Concen: 48.206 ug/l
RT: 10.578 min Scan# 14
Delta R.T. -0.001 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 97 Resp: 29233

Ion	Ratio	Lower	Upper
97	100		
83	78.6	63.1	94.7
85	51.1	39.5	59.3
99	59.2	46.4	69.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

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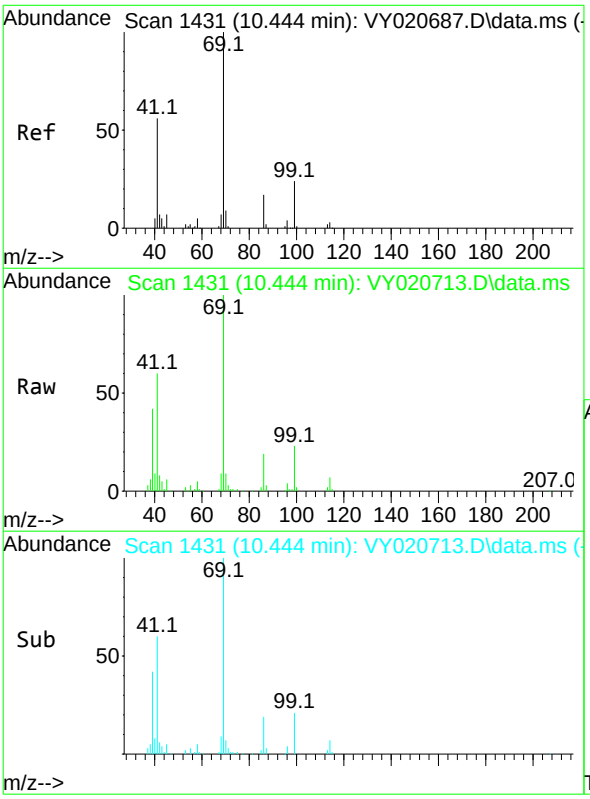
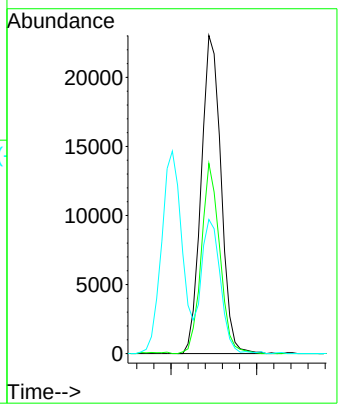
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

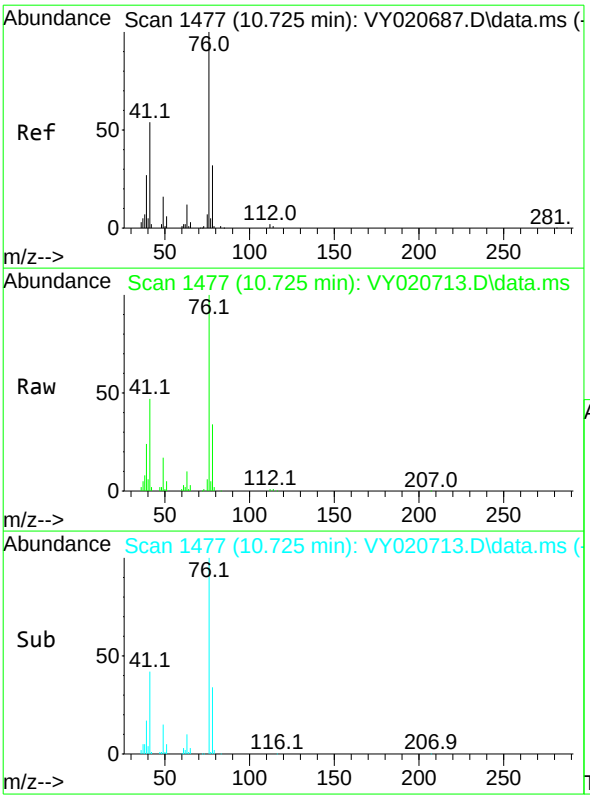


#56
Ethyl methacrylate
Concen: 46.506 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 69 Resp: 37050

Ion	Ratio	Lower	Upper
69	100		
41	55.6	43.8	65.6
39	40.6	32.0	48.0

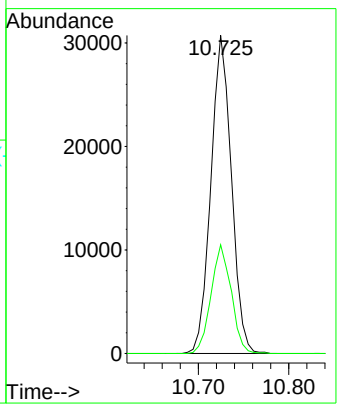




#57
1,3-Dichloropropane
Concen: 49.234 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 76 Resp: 48458

Ion	Ratio	Lower	Upper
76	100		
78	33.6	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

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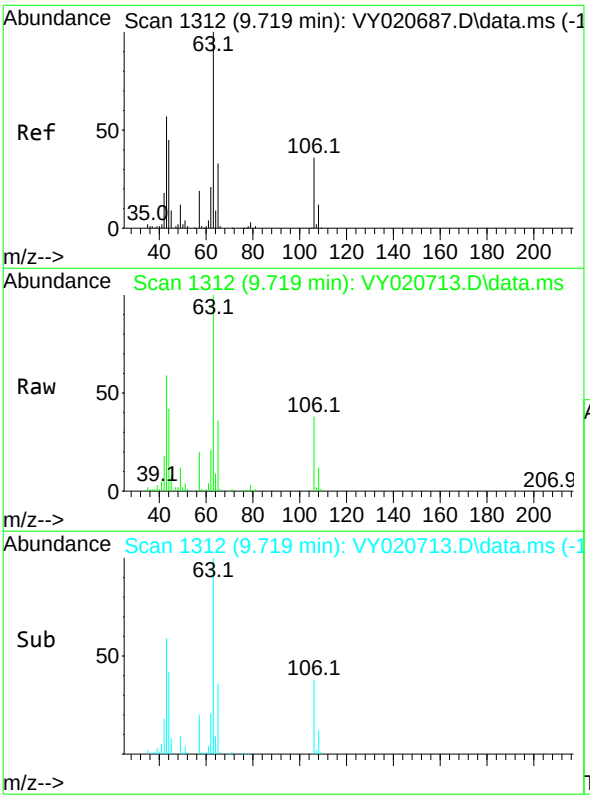
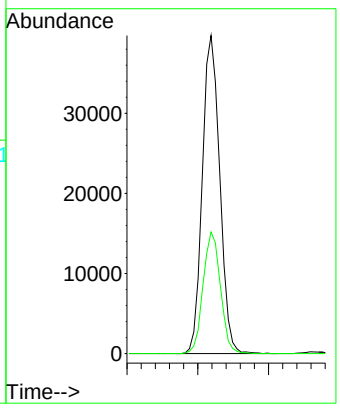
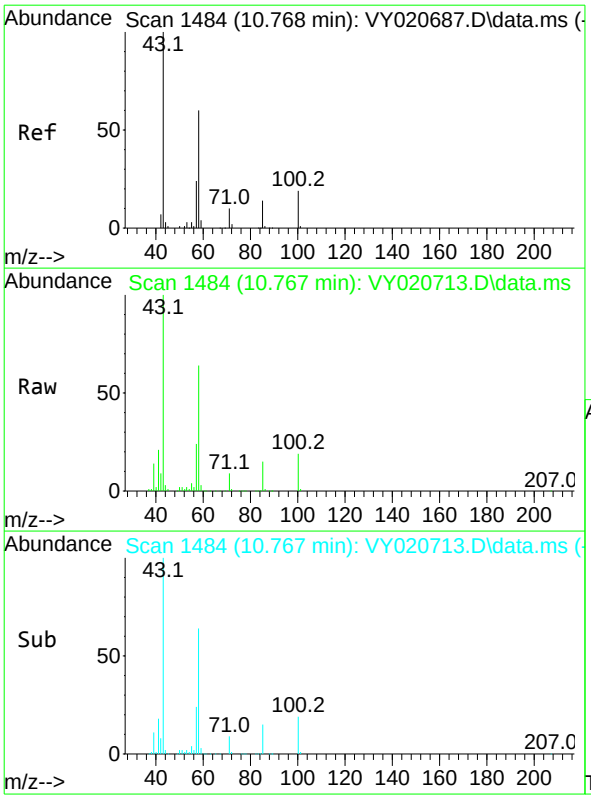


#58
2-Chloroethyl Vinyl ether
Concen: 244.679 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 63 Resp: 67974

Ion	Ratio	Lower	Upper
63	100		
106	38.0	29.1	43.7





#59
2-Hexanone
Concen: 229.110 ug/l
RT: 10.767 min Scan# 14
Delta R.T. -0.001 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 43 Resp: 59853

Ion	Ratio	Lower	Upper
43	100		
58	62.7	30.1	90.5

Instrument :
MSVOA_Y
ClientSampleId :
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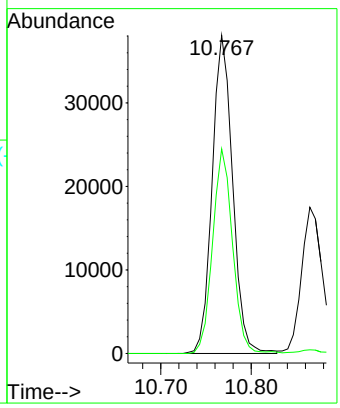
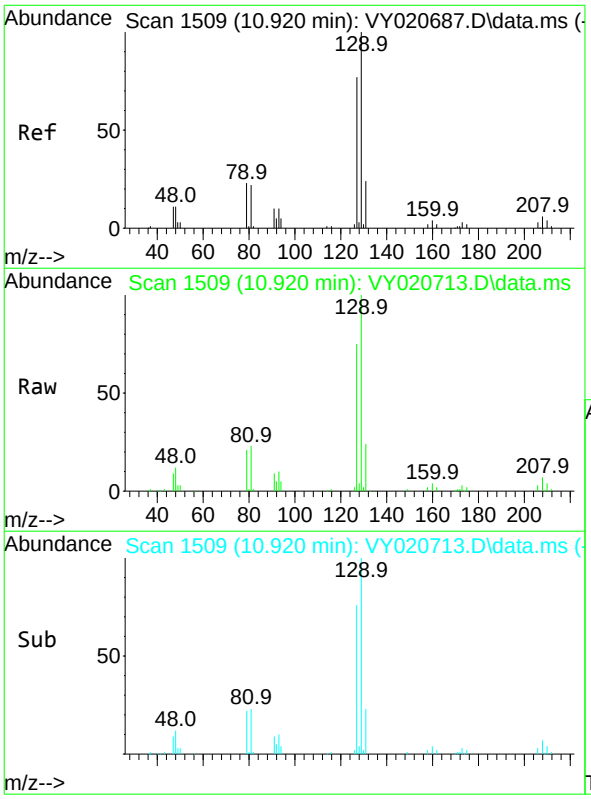
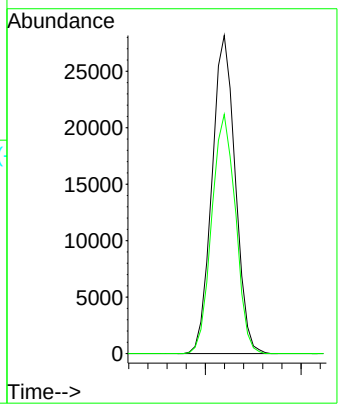


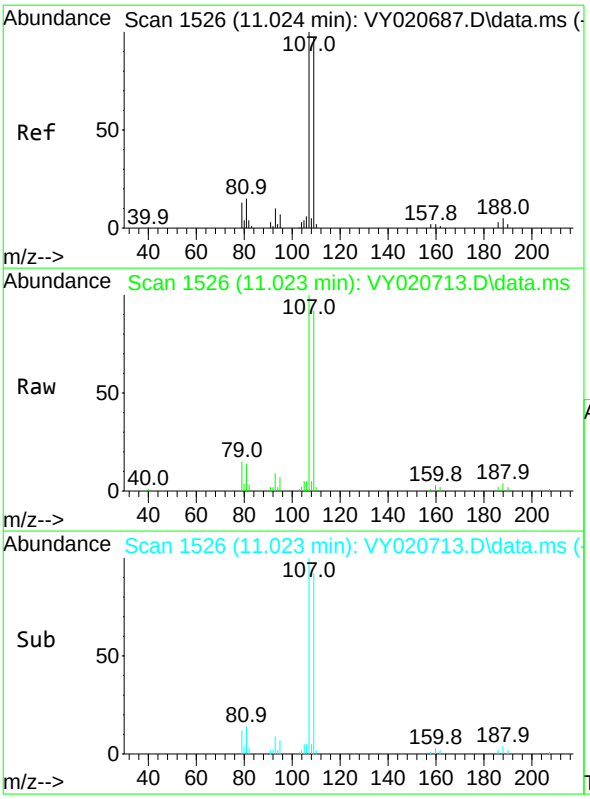


#60
Dibromochloromethane
Concen: 48.574 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:129 Resp: 47597

Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.5	115.5





#61
1,2-Dibromoethane
Concen: 48.387 ug/l
RT: 11.023 min Scan# 15
Delta R.T. -0.001 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:107 Resp: 27610

Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.5	113.3

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

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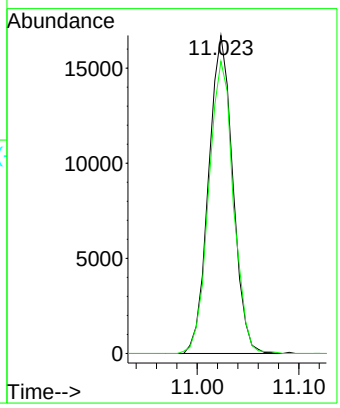
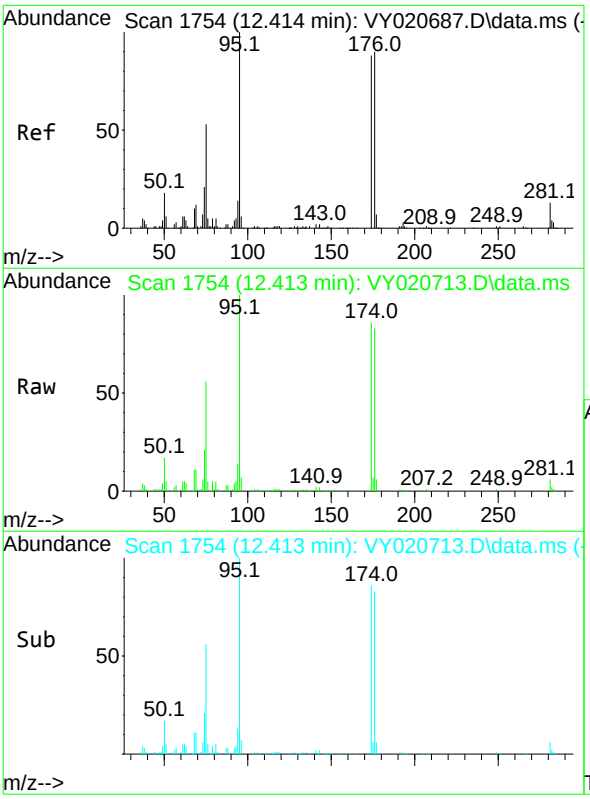
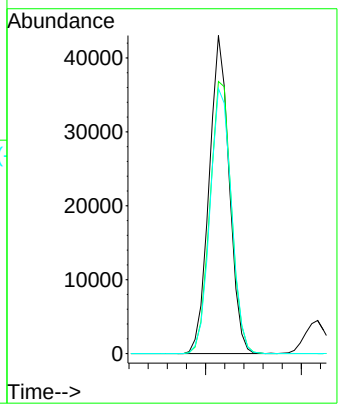


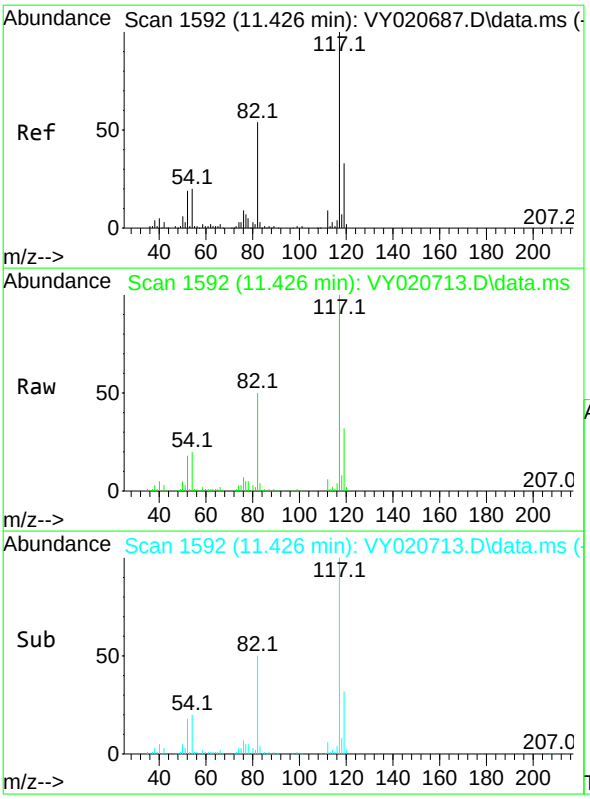


#62
4-Bromofluorobenzene
Concen: 53.215 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. -0.001 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 95 Resp: 62660

Ion	Ratio	Lower	Upper
95	100		
174	91.1	0.0	179.2
176	88.9	0.0	179.8

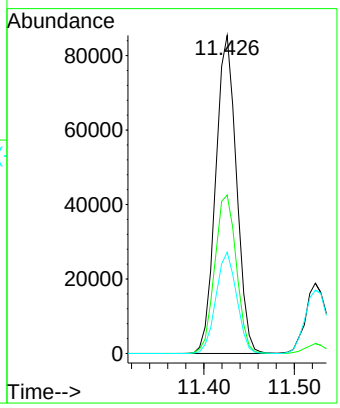




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:117 Resp: 136421

Ion	Ratio	Lower	Upper
117	100		
82	49.8	43.4	65.2
119	31.9	26.6	39.8



Instrument :
MSVOA_Y
ClientSampleId :
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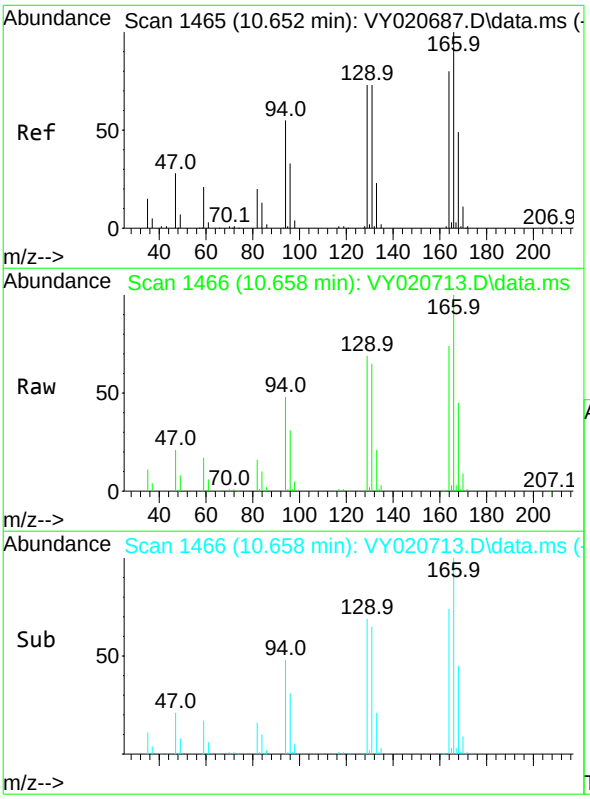
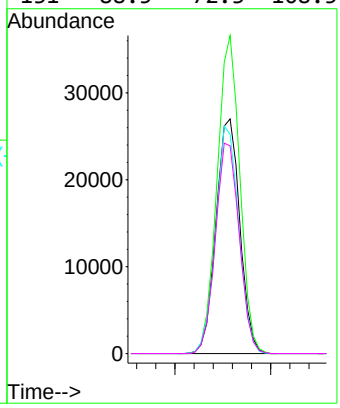
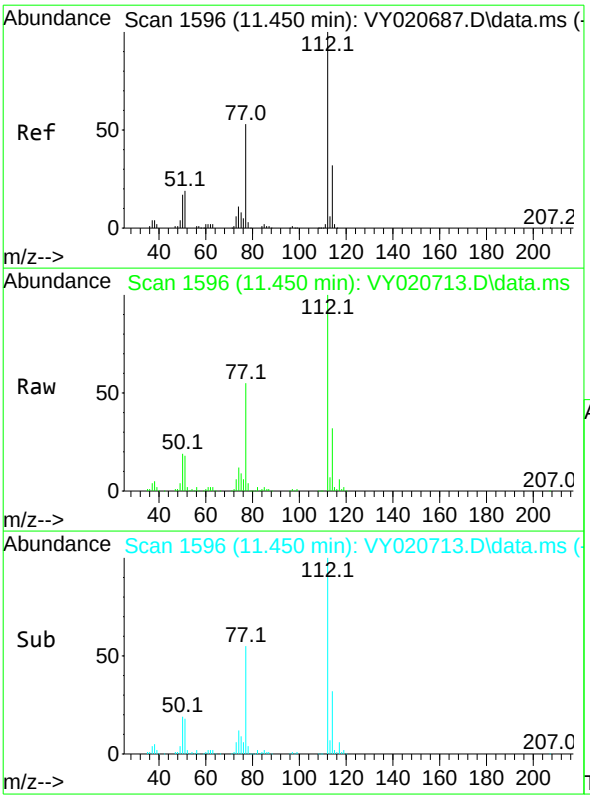


#64
Tetrachloroethene
Concen: 50.131 ug/l
RT: 10.658 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:164 Resp: 46724

Ion	Ratio	Lower	Upper
164	100		
166	135.5	99.6	149.4
129	93.3	73.0	109.4
131	88.5	72.3	108.5

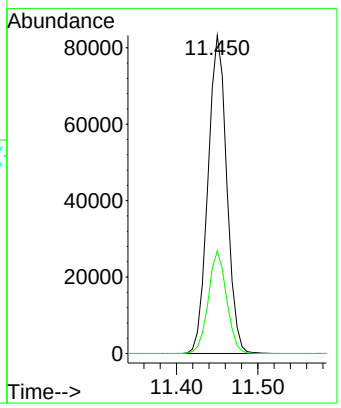




#65
Chlorobenzene
Concen: 49.866 ug/l
RT: 11.450 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:112 Resp: 133203

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

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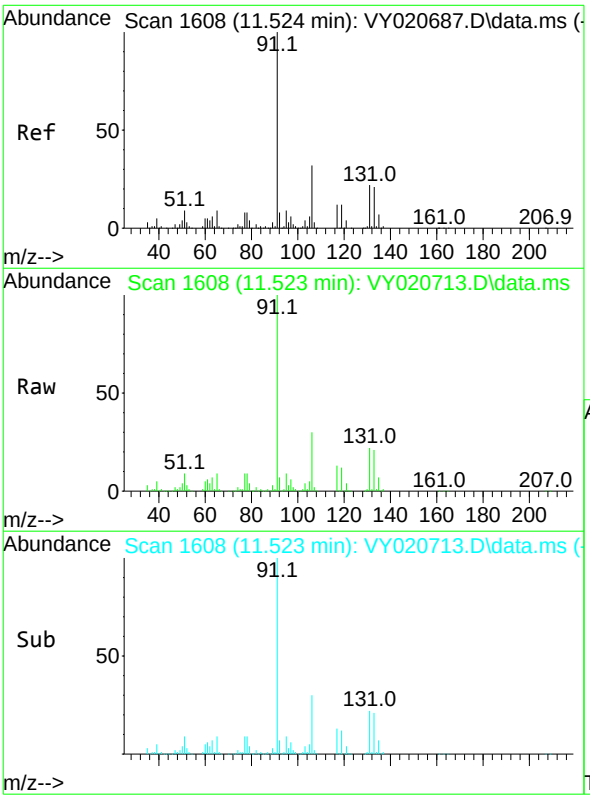
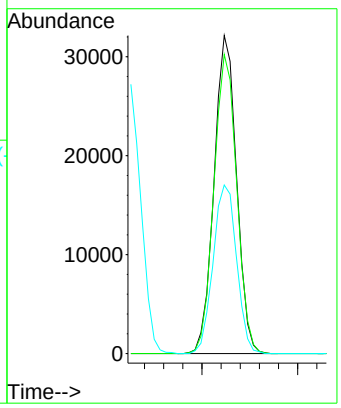
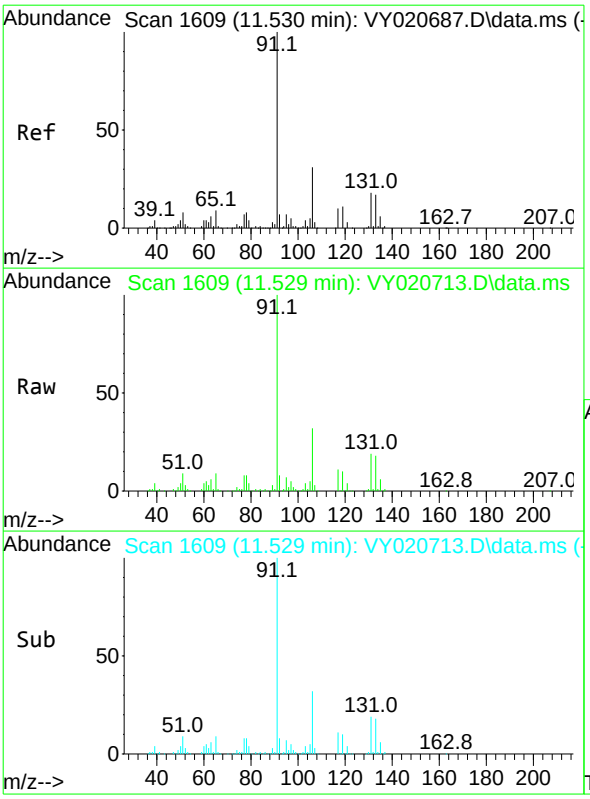


#66
1,1,1,2-Tetrachloroethane
Concen: 50.630 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. -0.001 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:131 Resp: 52397

Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.6	145.9
119	55.4	28.4	85.3

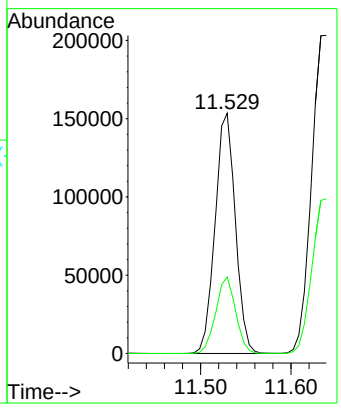




#67
Ethyl Benzene
Concen: 51.151 ug/l
RT: 11.529 min Scan# 16
Delta R.T. -0.001 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 91 Resp: 238810

Ion	Ratio	Lower	Upper
91	100		
106	31.8	24.5	36.7



Instrument :
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ClientSampleId :
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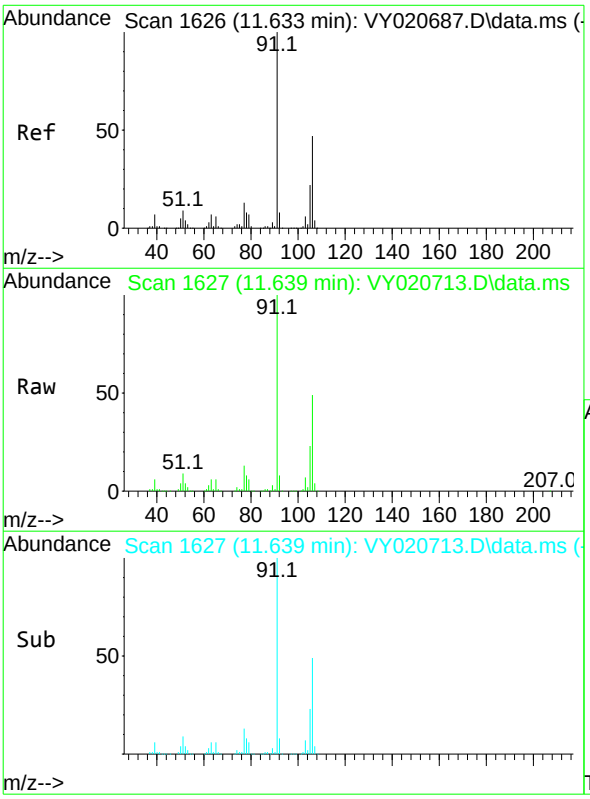
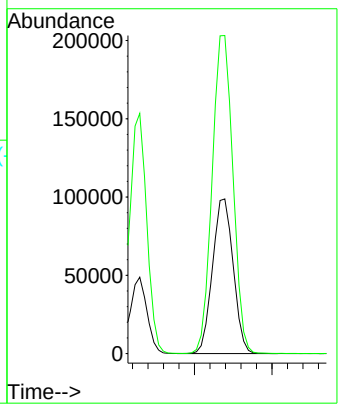
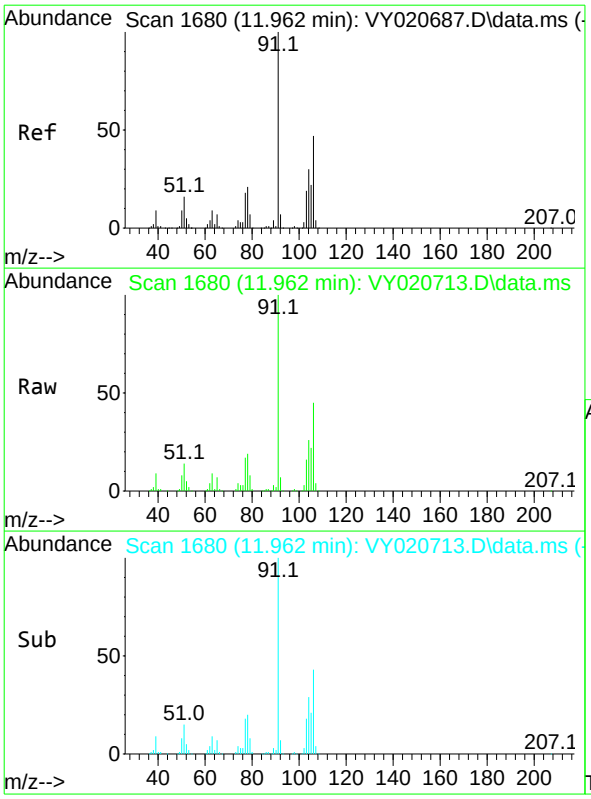


#68
m/p-Xylenes
Concen: 103.152 ug/l
RT: 11.639 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:106 Resp: 183706

Ion	Ratio	Lower	Upper
106	100		
91	205.9	166.6	250.0

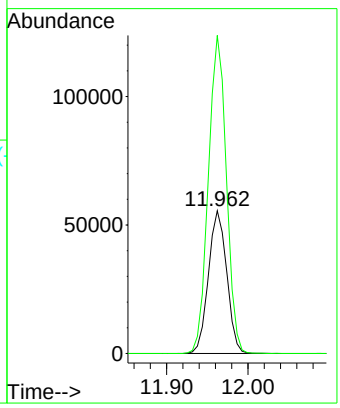




#69
o-Xylene
Concen: 51.032 ug/l
RT: 11.962 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:106 Resp: 86833

Ion	Ratio	Lower	Upper
106	100		
91	219.3	108.6	325.8



Instrument :
MSVOA_Y
ClientSampleId :
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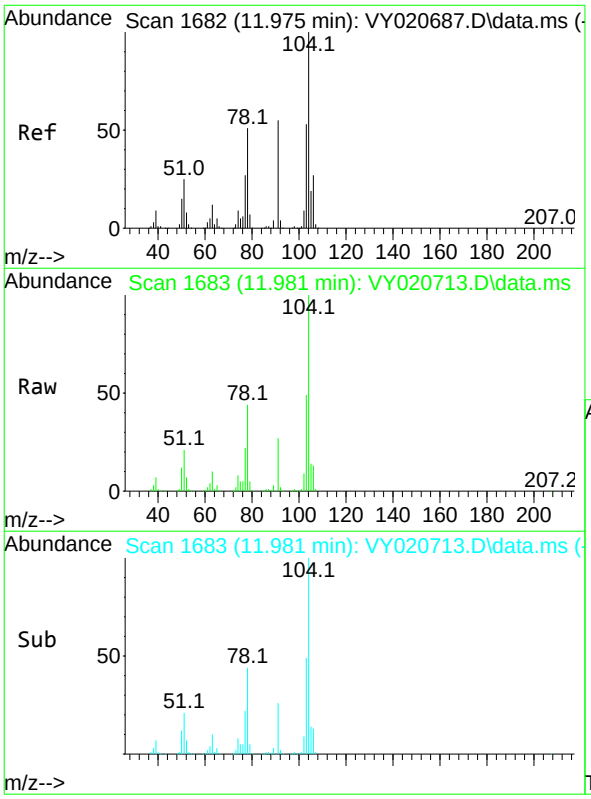
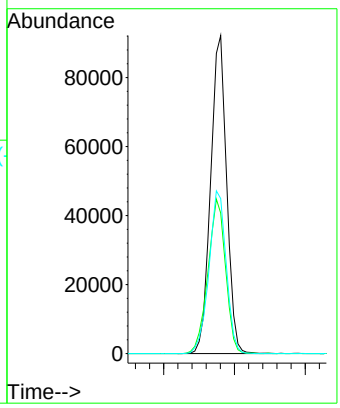
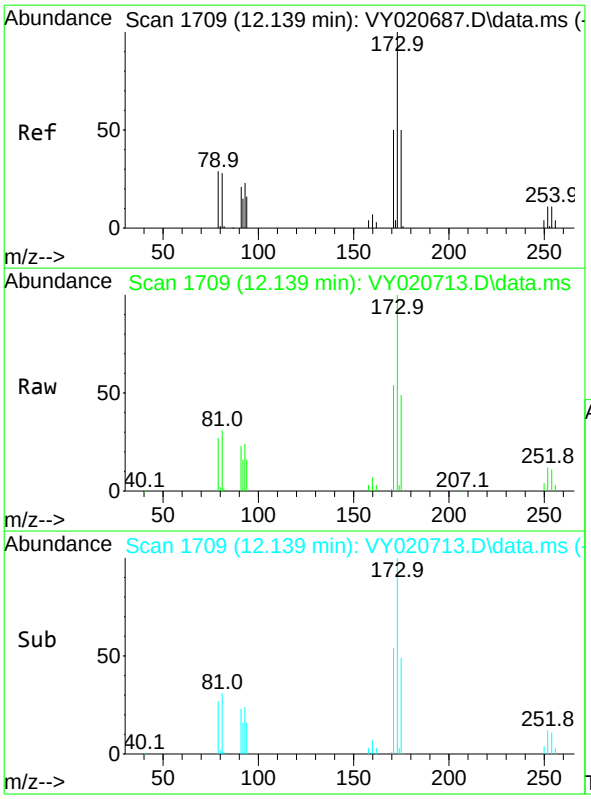


#70
Styrene
Concen: 50.717 ug/l
RT: 11.981 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:104 Resp: 144868

Ion	Ratio	Lower	Upper
104	100		
78	53.4	43.0	64.4
103	55.0	44.4	66.6

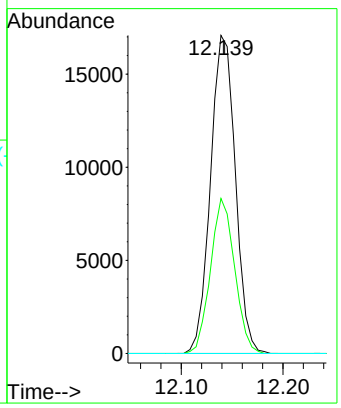




#71
Bromoform
Concen: 48.733 ug/l
RT: 12.139 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:173 Resp: 28995

Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.2	72.6
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
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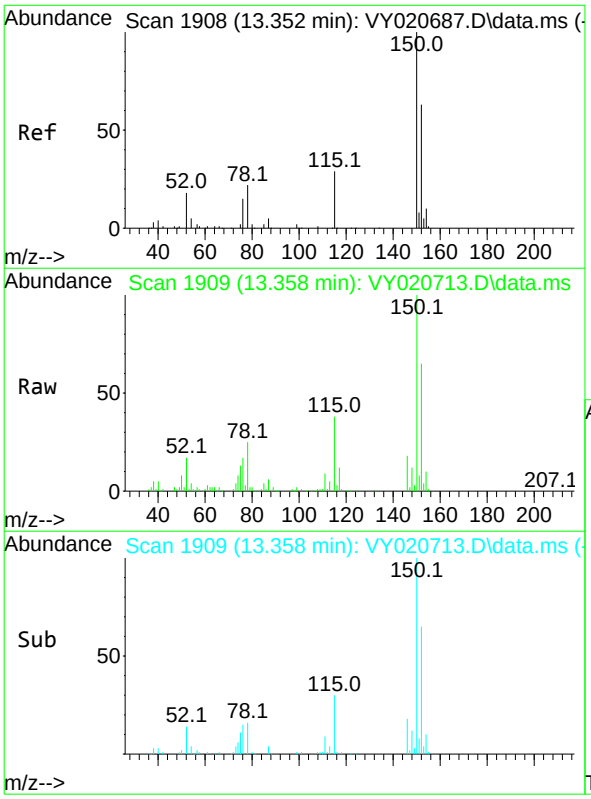
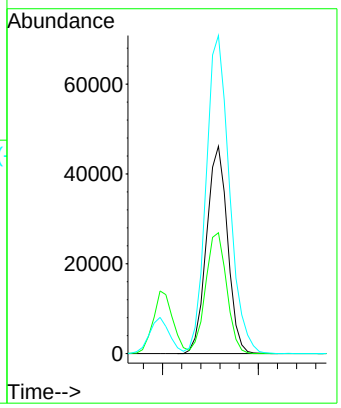
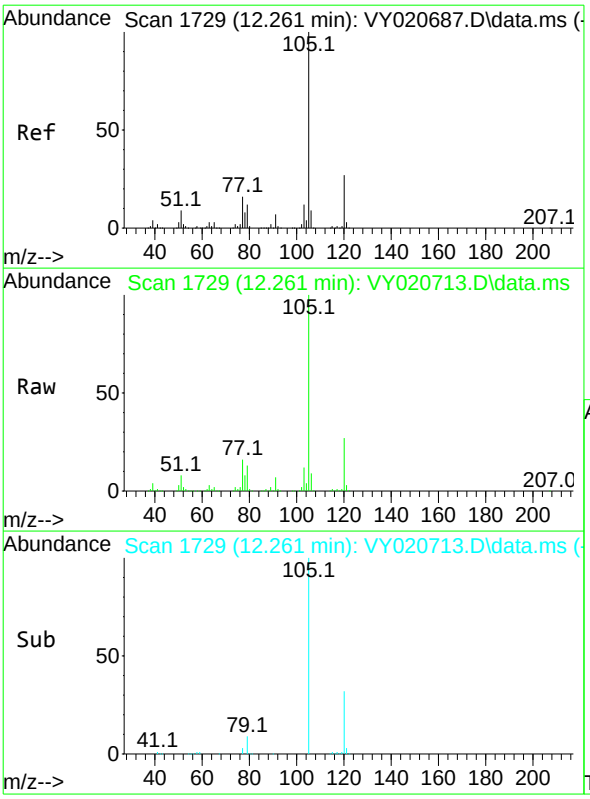


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.358 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:152 Resp: 70383

Ion	Ratio	Lower	Upper
152	100		
115	58.4	30.3	90.9
150	170.0	0.0	349.0

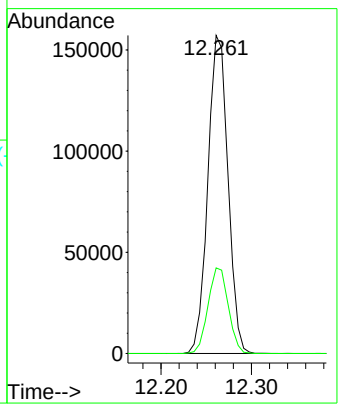




#73
Isopropylbenzene
Concen: 49.720 ug/l
RT: 12.261 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:105 Resp: 242449

Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

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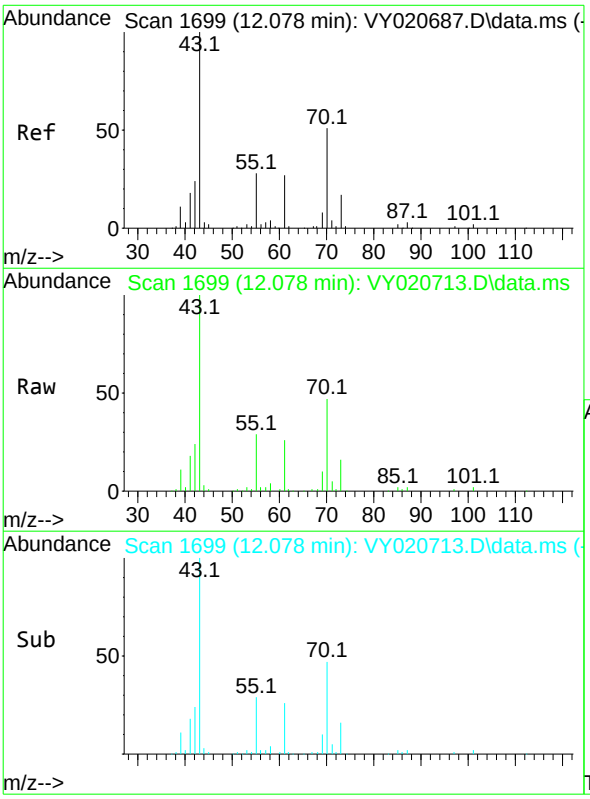
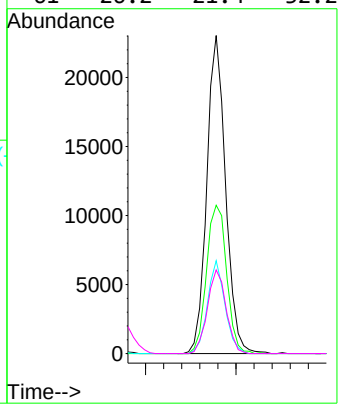
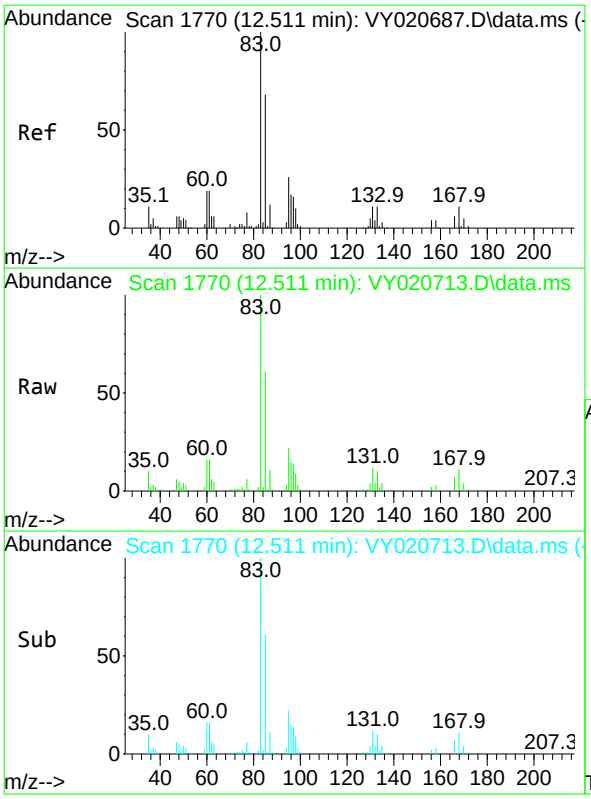


#74
N-amyl acetate
Concen: 48.015 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 43 Resp: 33272

Ion	Ratio	Lower	Upper
43	100		
70	49.9	39.7	59.5
55	27.2	21.5	32.3
61	26.2	21.4	32.2

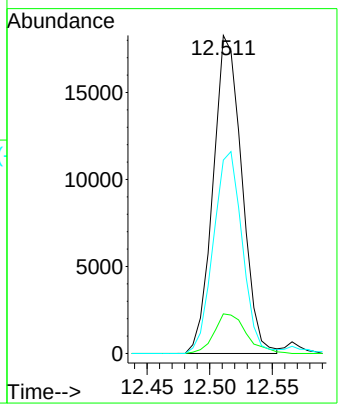




#75
1,1,2,2-Tetrachloroethane
Concen: 46.657 ug/l
RT: 12.511 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 83 Resp: 29166

Ion	Ratio	Lower	Upper
83	100		
131	14.0	6.9	20.7
85	63.9	32.5	97.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

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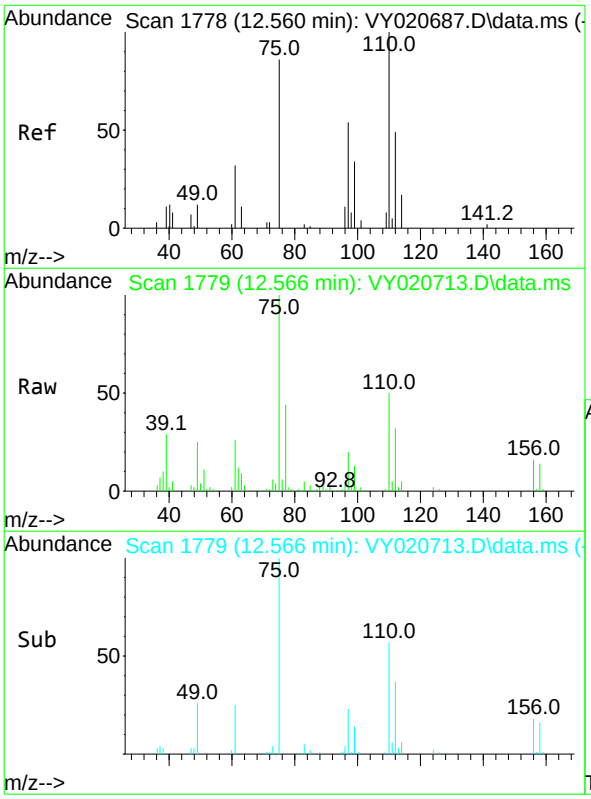
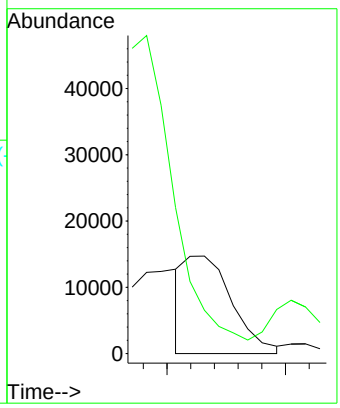
Supervised By :Semsettin Yesilyurt 12/27/2024

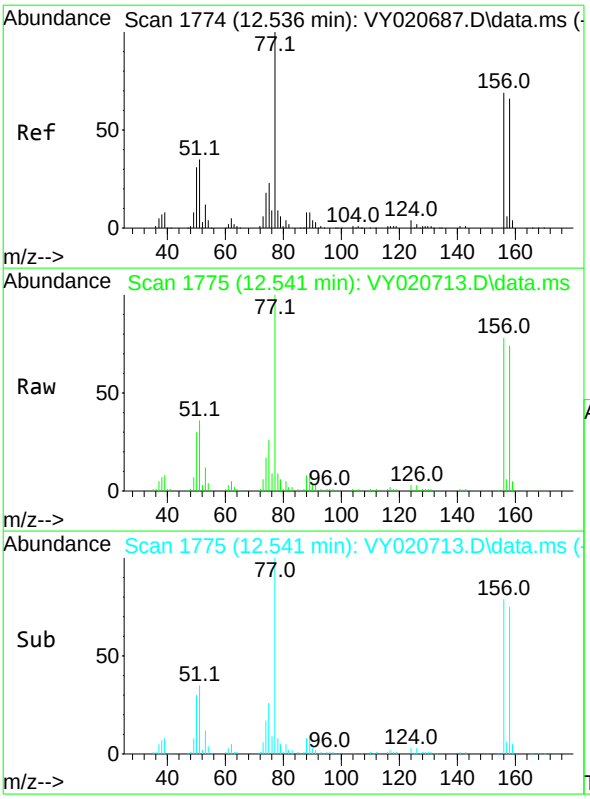


#76
1,2,3-Trichloropropane
Concen: 45.549 ug/l m
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 75 Resp: 20390

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

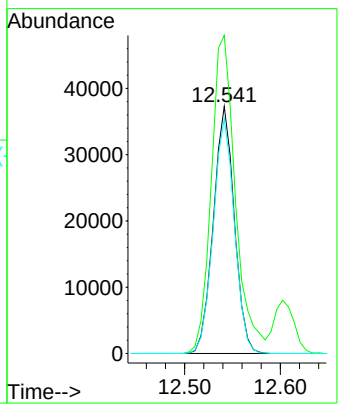




#77
Bromobenzene
Concen: 50.459 ug/l
RT: 12.541 min Scan# 17
Delta R.T. 0.005 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:156 Resp: 56640

Ion	Ratio	Lower	Upper
156	100		
77	148.5	78.3	235.0
158	96.1	48.3	144.9



Instrument :
MSVOA_Y
ClientSampleId :
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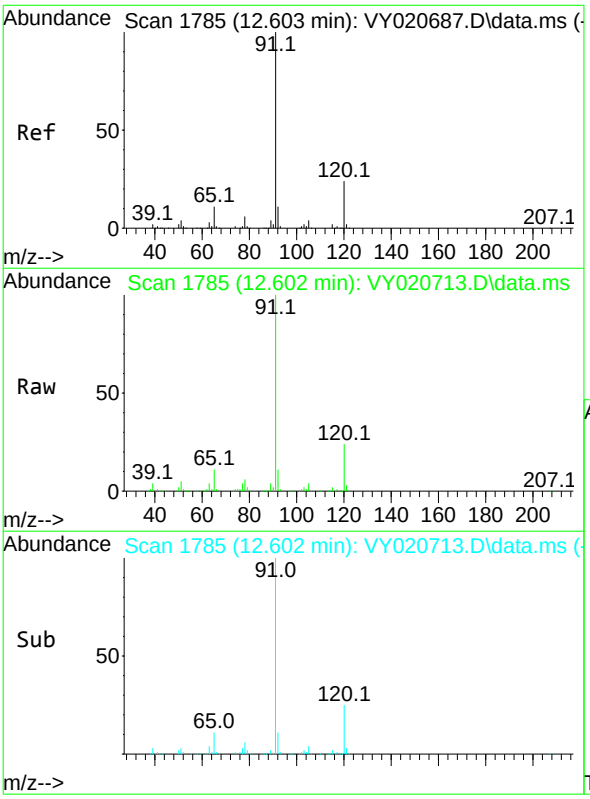
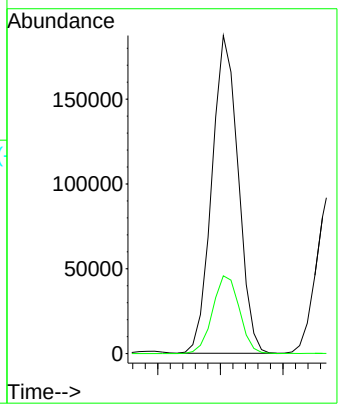
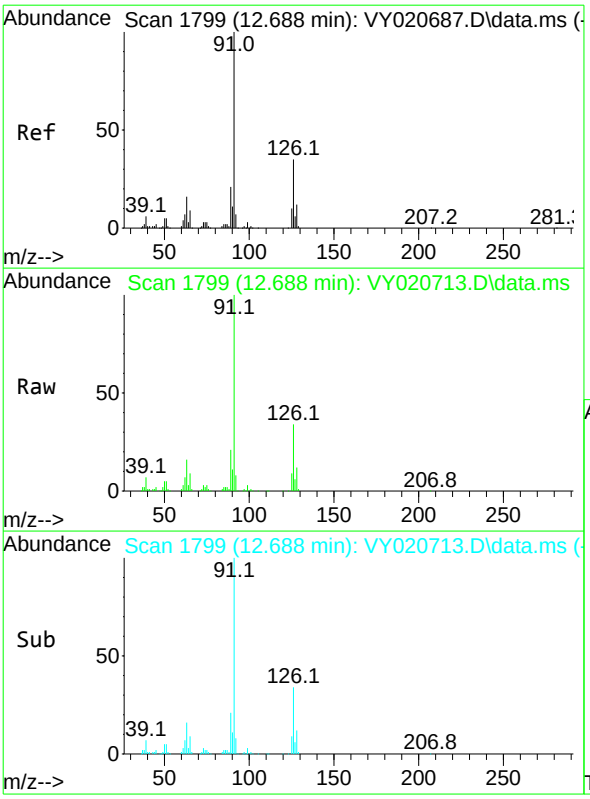


#78
n-propylbenzene
Concen: 50.119 ug/l
RT: 12.602 min Scan# 1785
Delta R.T. -0.001 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 91 Resp: 273917

Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.3	36.8





#79
2-Chlorotoluene
Concen: 49.656 ug/l
RT: 12.688 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 91 Resp: 154710

Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.8	53.3

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

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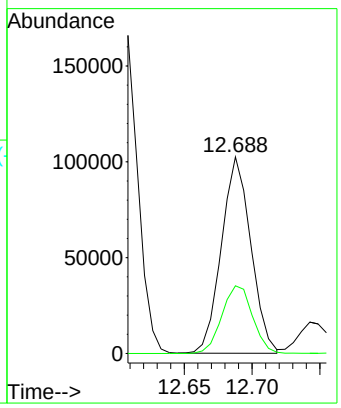
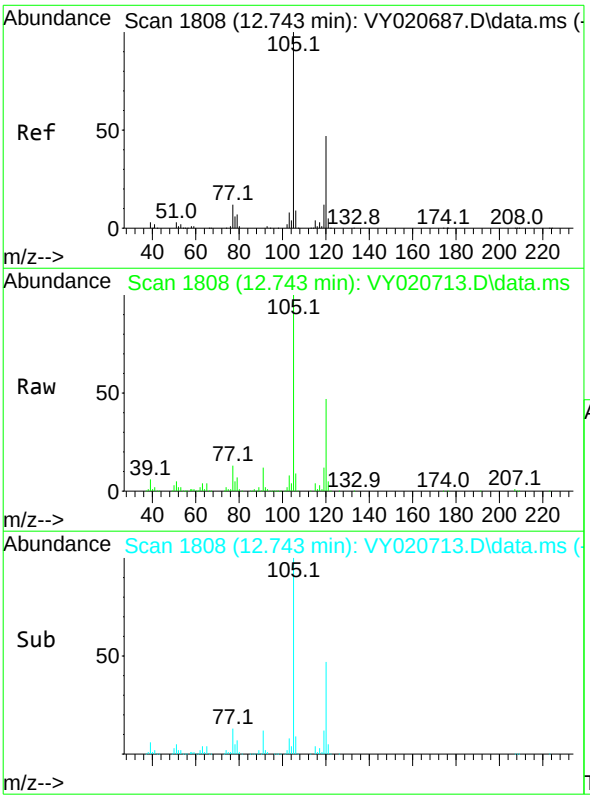
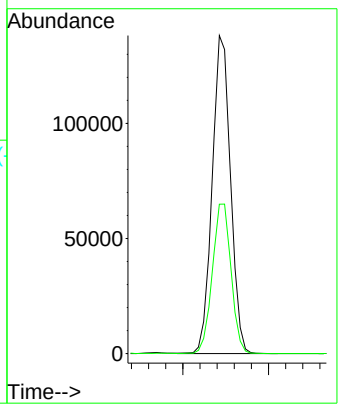


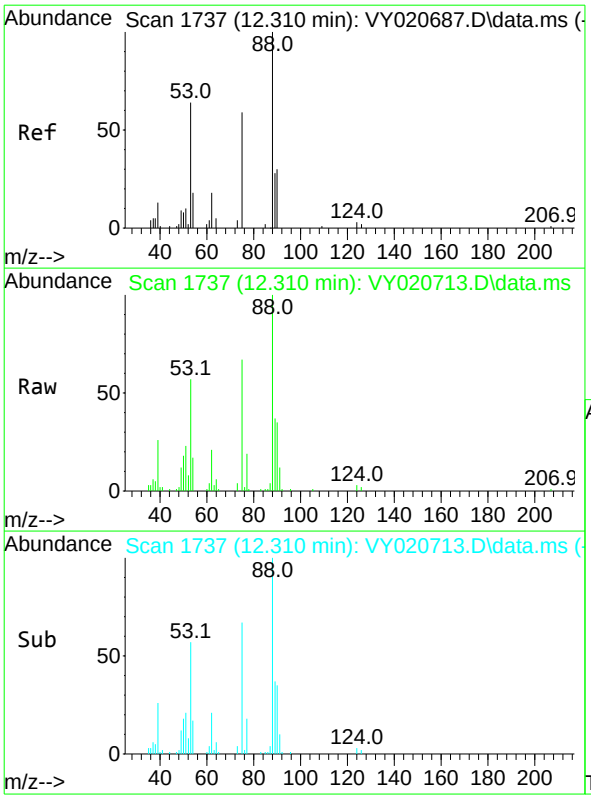


#80
1,3,5-Trimethylbenzene
Concen: 50.488 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:105 Resp: 205116

Ion	Ratio	Lower	Upper
105	100		
120	48.2	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 48.646 ug/l
RT: 12.310 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 75 Resp: 11017

Ion	Ratio	Lower	Upper
75	100		
53	95.0	83.1	124.7
89	51.5	40.6	61.0

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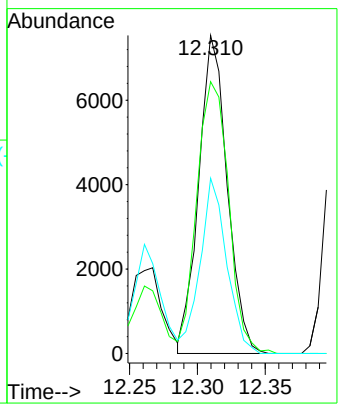
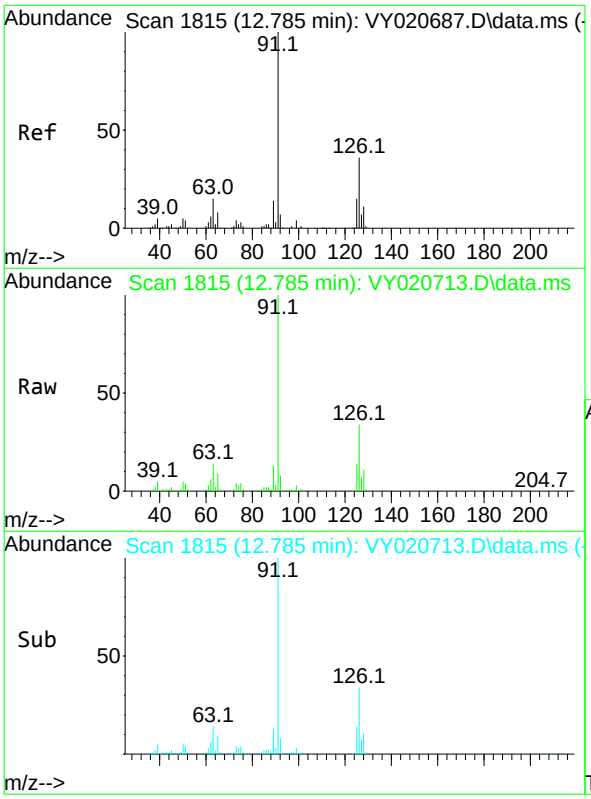
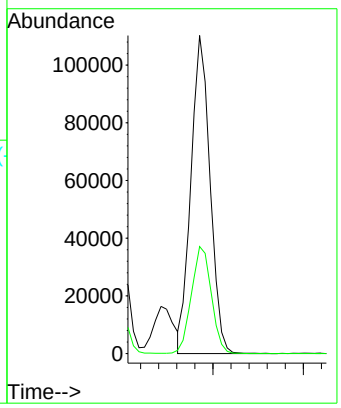


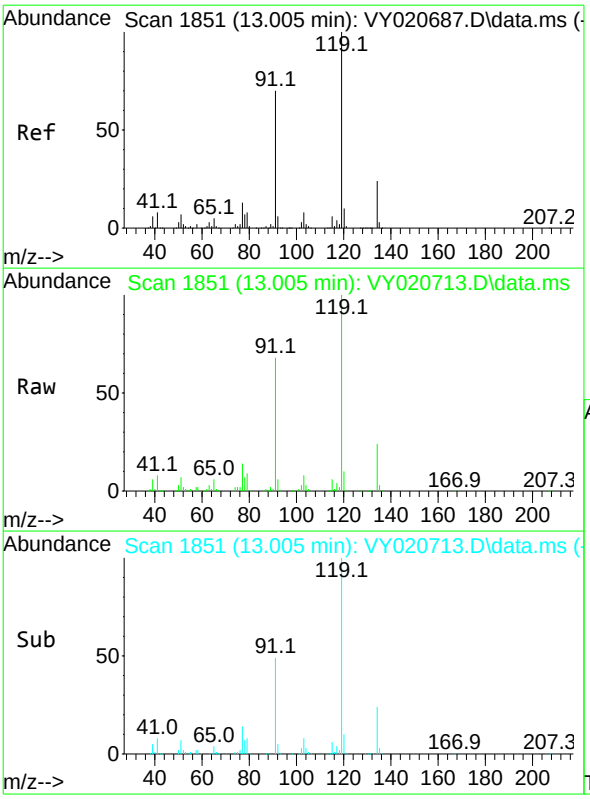


#82
4-Chlorotoluene
Concen: 50.168 ug/l
RT: 12.785 min Scan# 1815
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 91 Resp: 161536

Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.8	53.5





#83
tert-Butylbenzene
Concen: 49.565 ug/l
RT: 13.005 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion:119 Resp: 188052

Ion	Ratio	Lower	Upper
119	100		
91	68.2	33.6	100.8
134	27.0	13.4	40.2

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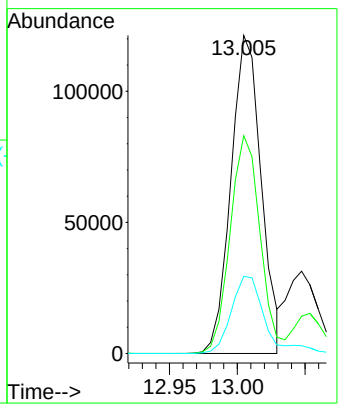
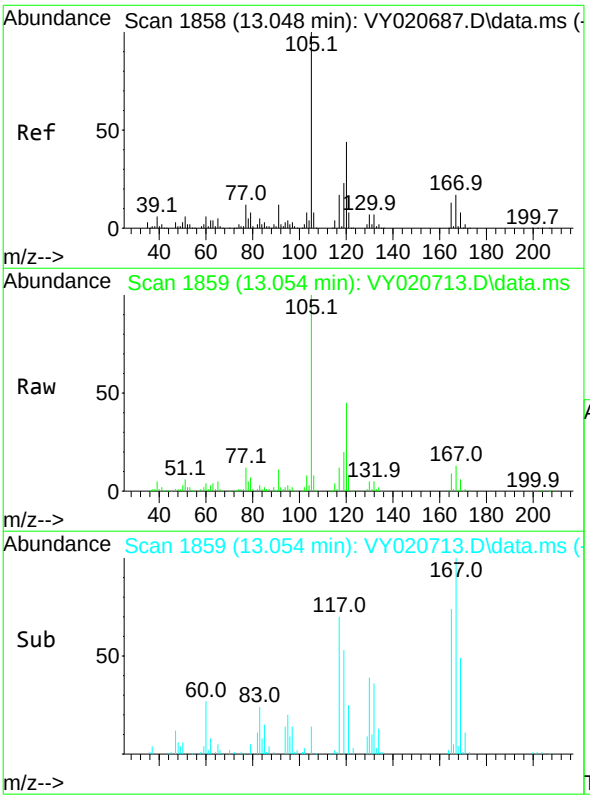
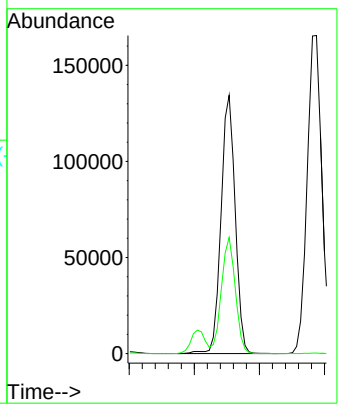


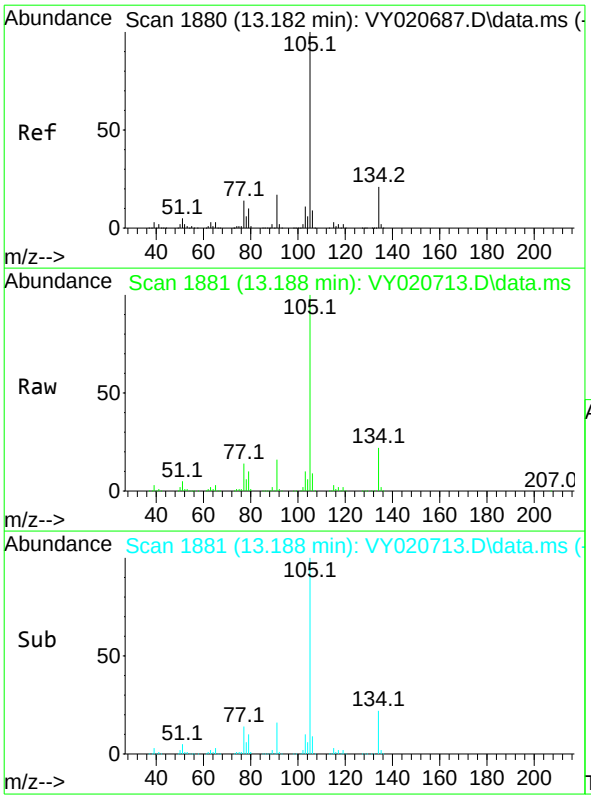


#84
1,2,4-Trimethylbenzene
Concen: 51.350 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.005 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:105 Resp: 203012

Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.8	65.3

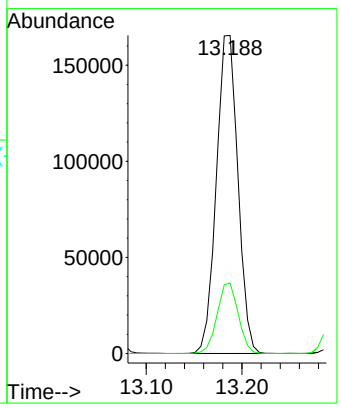




#85
sec-Butylbenzene
Concen: 50.578 ug/l
RT: 13.188 min Scan# 18
Delta R.T. 0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:105 Resp: 258622

Ion	Ratio	Lower	Upper
105	100		
134	21.7	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

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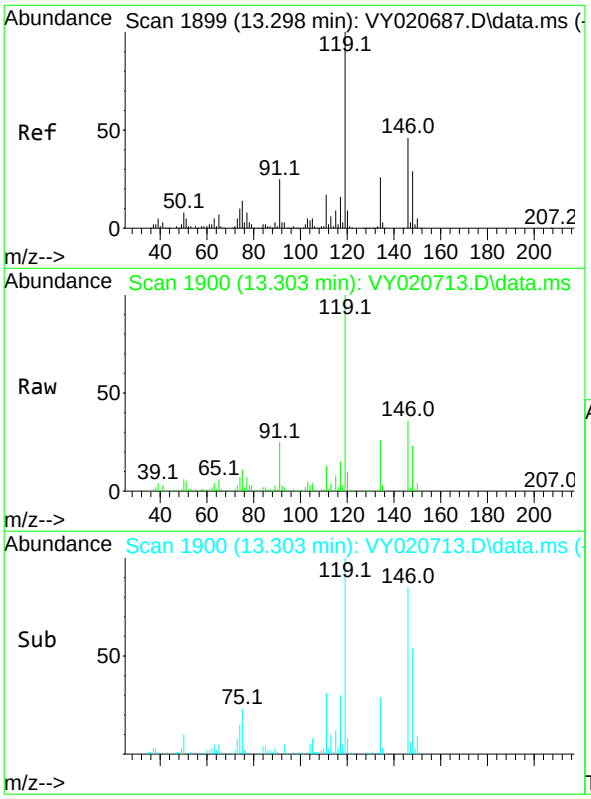
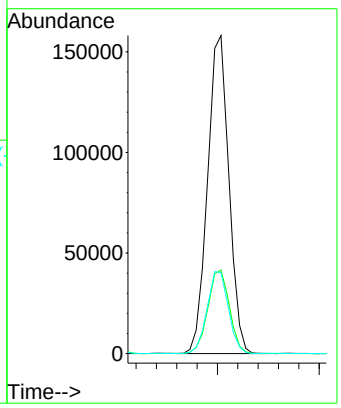
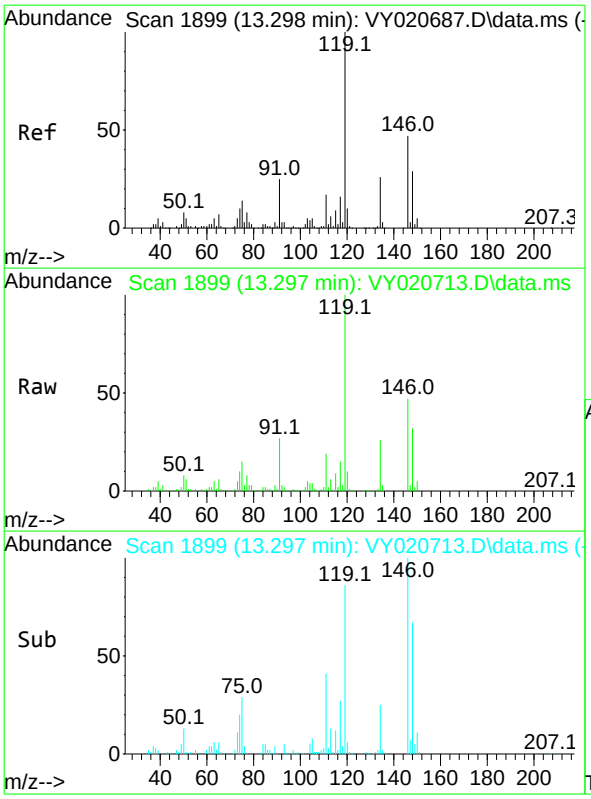


#86
p-Isopropyltoluene
Concen: 50.557 ug/l
RT: 13.303 min Scan# 1900
Delta R.T. 0.005 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:119 Resp: 230385

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.4	40.2
91	25.8	12.9	38.6

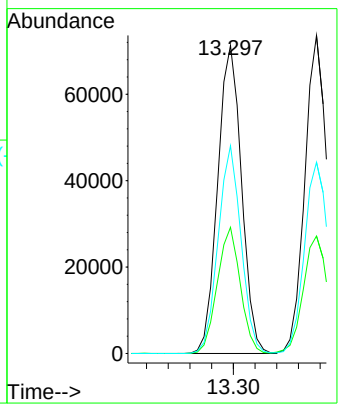




#87
1,3-Dichlorobenzene
Concen: 49.657 ug/l
RT: 13.297 min Scan# 18
Delta R.T. -0.001 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:146 Resp: 108941

Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.3	57.8
148	64.8	31.1	93.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

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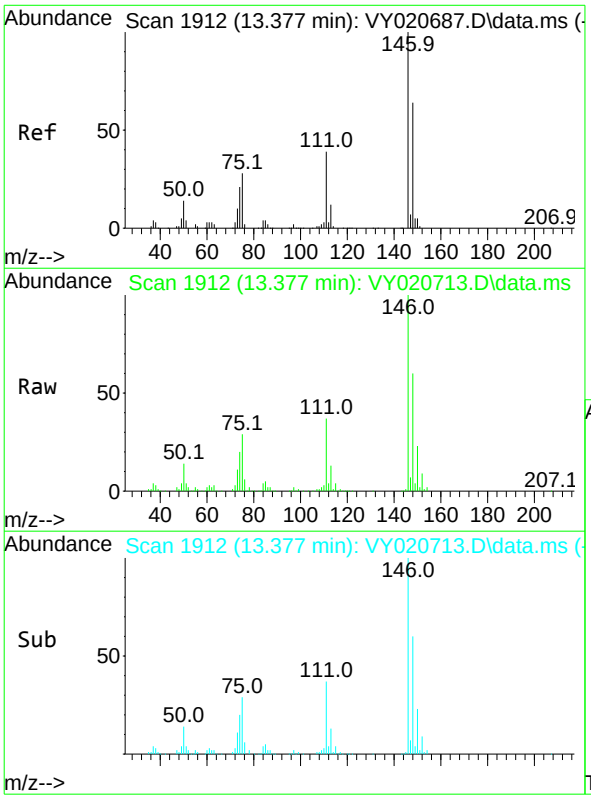
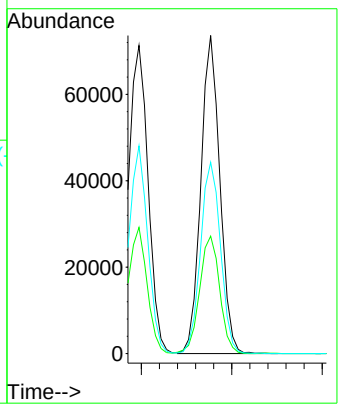
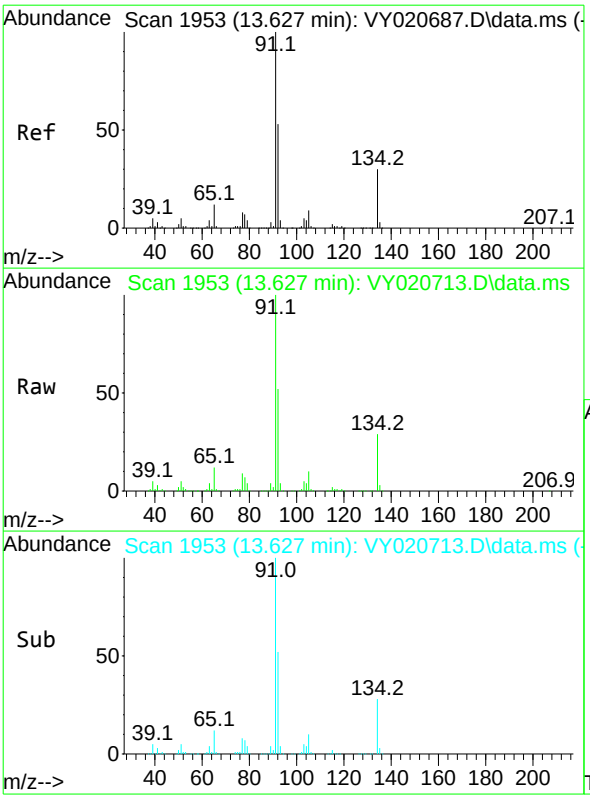


#88
1,4-Dichlorobenzene
Concen: 49.305 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:146 Resp: 107603

Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.0
148	63.3	32.8	98.3

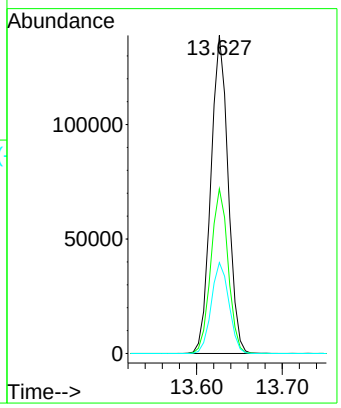




#89
n-Butylbenzene
Concen: 51.082 ug/l
RT: 13.627 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 91 Resp: 194314

Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.1	78.2
134	29.2	14.8	44.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

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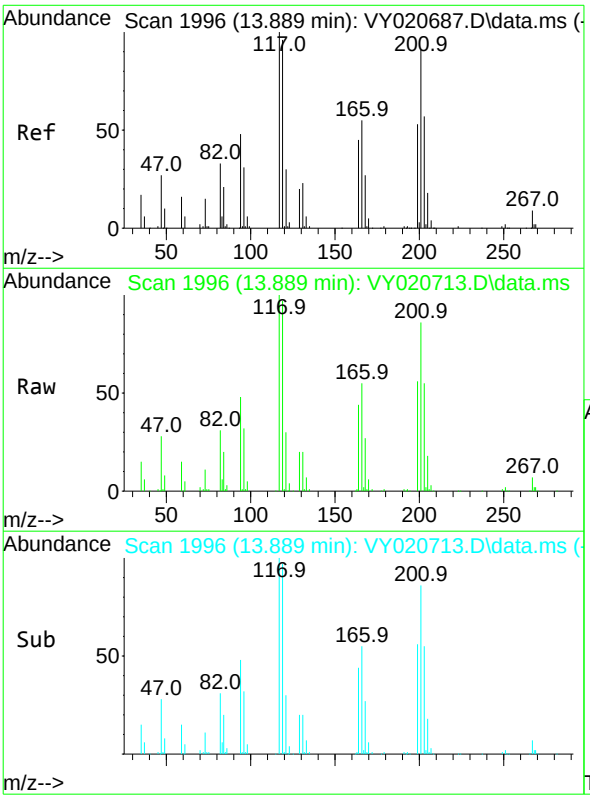
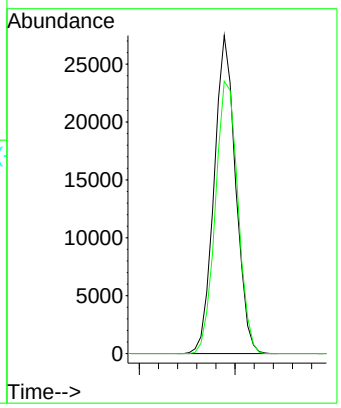
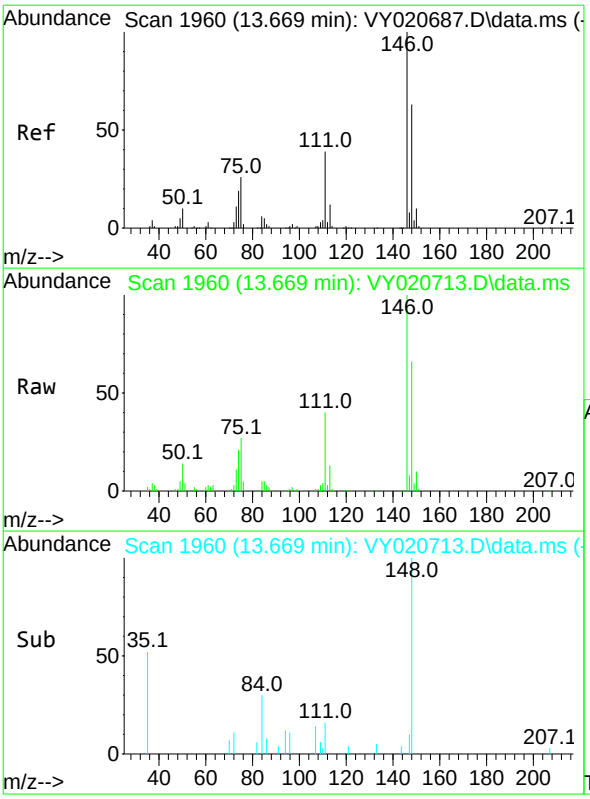


#90
Hexachloroethane
Concen: 49.619 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:117 Resp: 42996

Ion	Ratio	Lower	Upper
117	100		
201	89.5	44.9	134.7

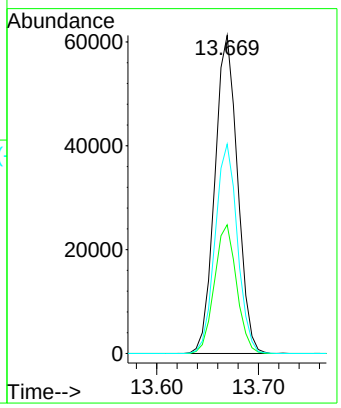




#91
1,2-Dichlorobenzene
Concen: 50.573 ug/l
RT: 13.669 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:146 Resp: 95132

Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.3	60.8
148	64.7	31.9	95.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

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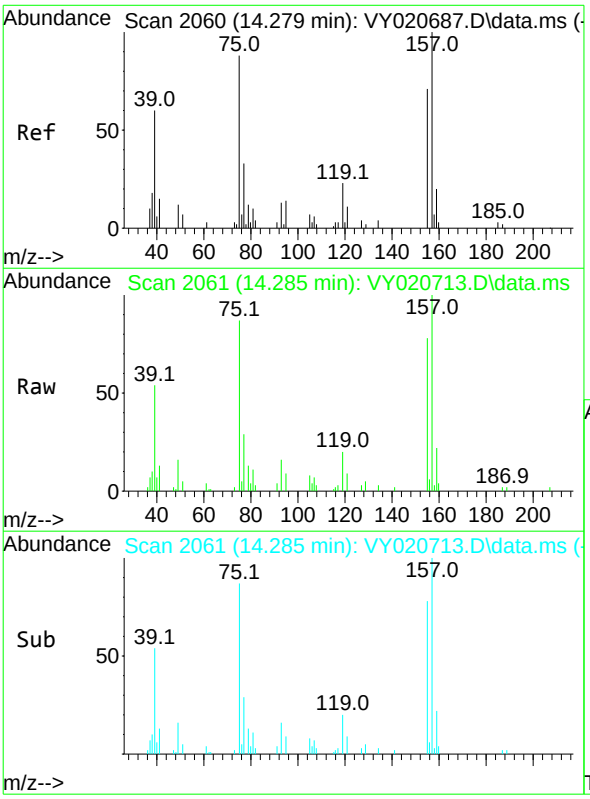
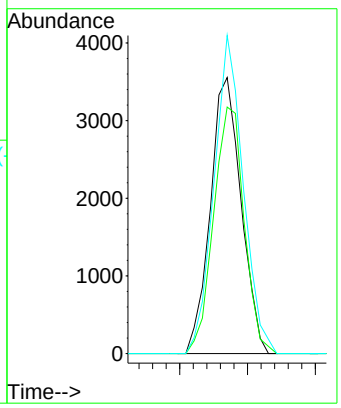
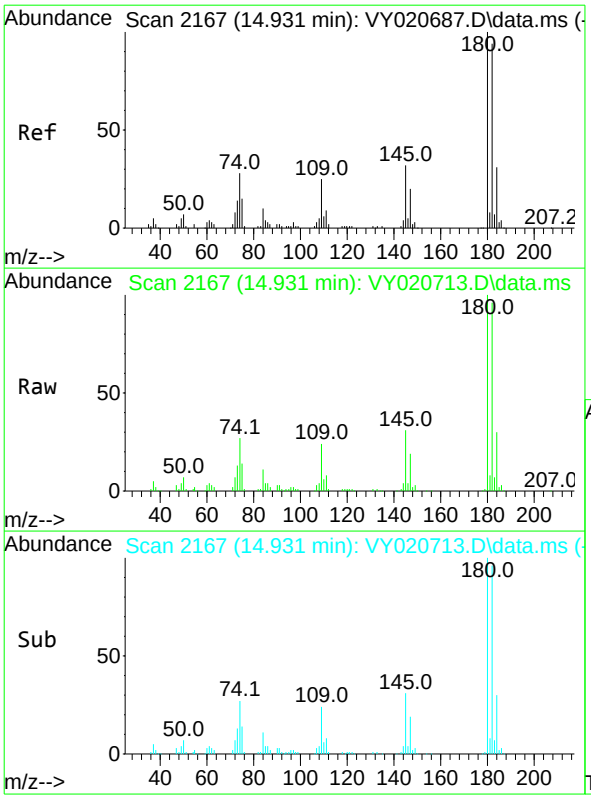


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.197 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 75 Resp: 5601

Ion	Ratio	Lower	Upper
75	100		
155	88.6	43.4	130.2
157	109.3	58.6	175.7





#93
1,2,4-Trichlorobenzene
Concen: 52.197 ug/l
RT: 14.931 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

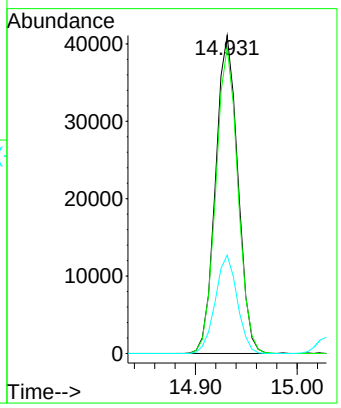
Tgt Ion:180 Resp: 62409

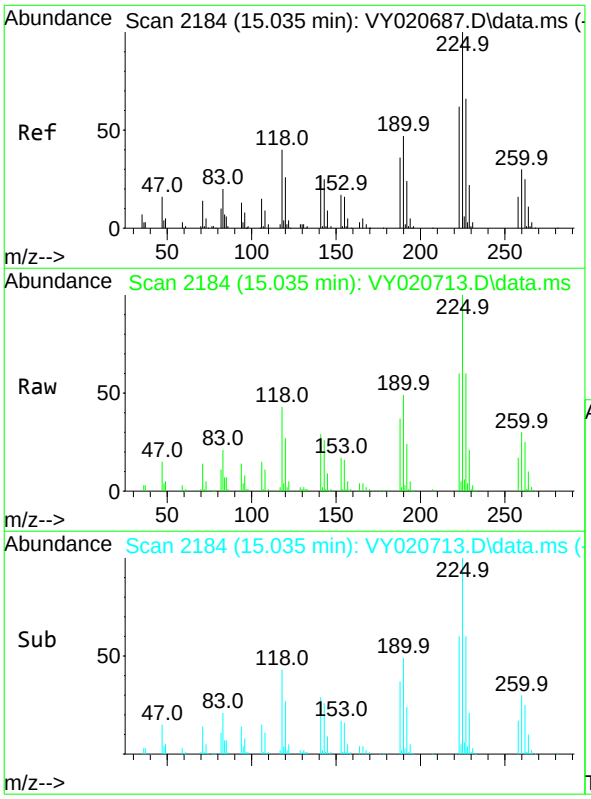
Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.7
145	30.5	15.6	46.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

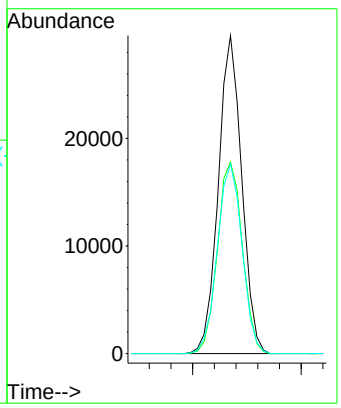


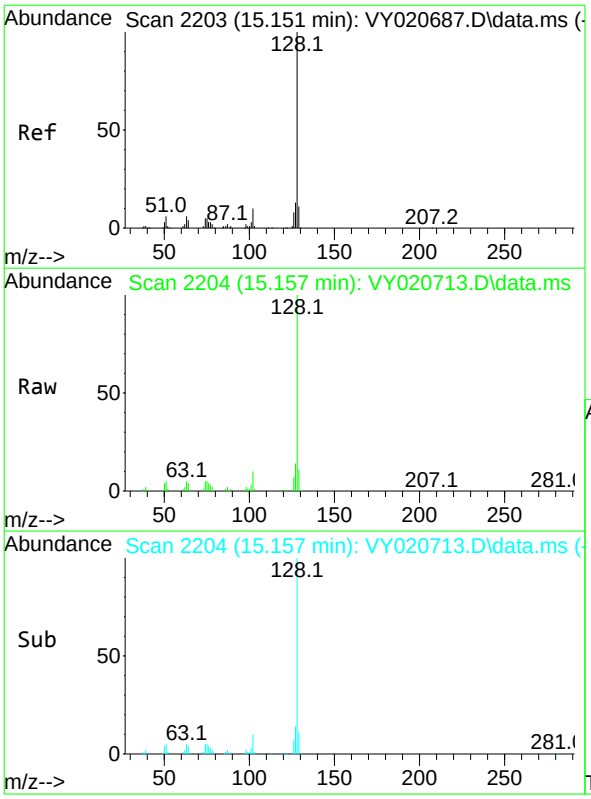


#94
Hexachlorobutadiene
Concen: 50.811 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:225 Resp: 44277

Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.3	93.8
227	63.1	32.1	96.5

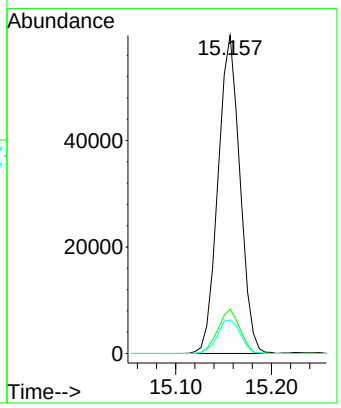




#95
Naphthalene
Concen: 49.600 ug/l
RT: 15.157 min Scan# 22
Delta R.T. 0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:128 Resp: 94983

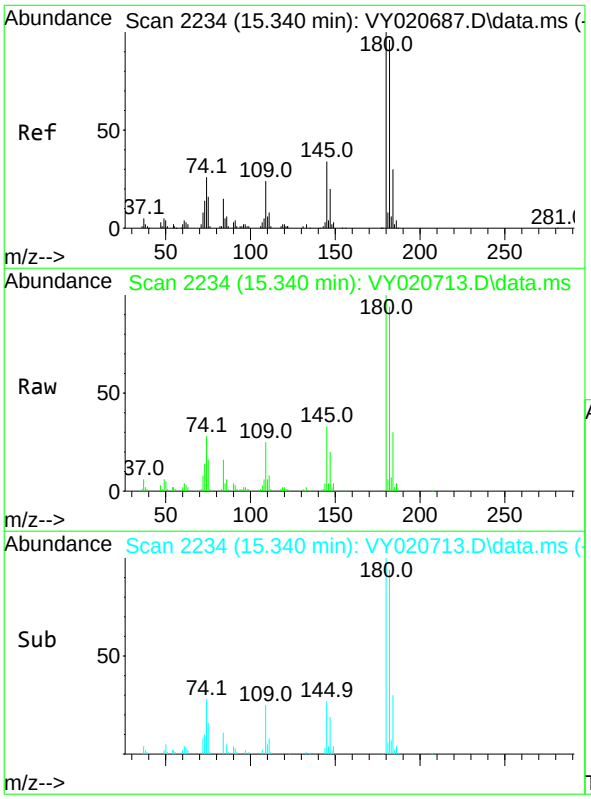
Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.7	16.1
129	11.1	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Manual Integrations
APPROVED

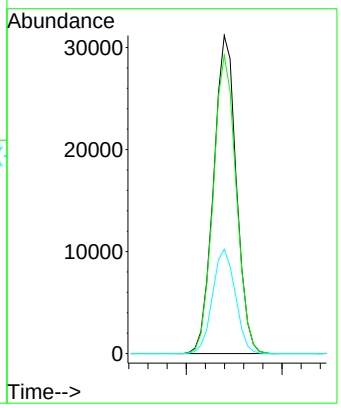
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024



#96
1,2,3-Trichlorobenzene
Concen: 51.643 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:180 Resp: 51411

Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.4	142.2
145	32.9	16.7	50.1



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020713.D
Acq On : 26 Dec 2024 12:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Quant Time: Dec 26 16:15:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 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	Pentafluorobenzene	1.000	1.000	0.0	122	0.00
2	T	Dichlorodifluoromethane	0.394	0.374	5.1	113	0.00
3	P	Chloromethane	0.147	0.161	-9.5	126	0.00
4	C	Vinyl Chloride	0.182	0.181	0.5#	114	0.00
5	T	Bromomethane	0.137	0.140	-2.2	121	0.00
6	T	Chloroethane	0.109	0.112	-2.8	121	0.00
7	T	Trichlorofluoromethane	0.699	0.684	2.1	117	0.00
8	T	Diethyl Ether	0.166	0.167	-0.6	115	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.384	0.371	3.4	116	0.00
10	T	Methyl Iodide	0.420	0.429	-2.1	115	0.00
11	T	Tert butyl alcohol	0.031	0.022	29.0#	94	0.00
12	CM	1,1-Dichloroethene	0.342	0.339	0.9#	117	0.00
13	T	Acrolein	0.009	0.005	44.4#	95	0.00
14	T	Allyl chloride	0.400	0.408	-2.0	120	0.00
15	T	Acrylonitrile	0.064	0.058	9.4	100	0.00
16	T	Acetone	0.052	0.043	17.3	97	0.00
17	T	Carbon Disulfide	0.838	0.881	-5.1	119	0.00
18	T	Methyl Acetate	0.141	0.137	2.8	105	0.00
19	T	Methyl tert-butyl Ether	0.952	0.913	4.1	110	0.00
20	T	Methylene Chloride	0.338	0.340	-0.6	121	0.00
21	T	trans-1,2-Dichloroethene	0.368	0.376	-2.2	117	0.00
22	T	Diisopropyl ether	0.813	0.820	-0.9	117	0.00
23	T	Vinyl Acetate	0.486	0.472	2.9	107	0.00
24	P	1,1-Dichloroethane	0.609	0.616	-1.1	121	0.00
25	T	2-Butanone	0.070	0.063	10.0	97	0.00
26	T	2,2-Dichloropropane	0.746	0.706	5.4	115	0.00
27	T	cis-1,2-Dichloroethene	0.441	0.438	0.7	116	0.00
28	T	Bromochloromethane	0.161	0.175	-8.7	111	0.00
29	T	Tetrahydrofuran	0.043	0.039	9.3	97	0.00
30	C	Chloroform	0.784	0.758	3.3#	117	0.00
31	T	Cyclohexane	0.526	0.473	10.1	113	0.00
32	T	1,1,1-Trichloroethane	0.840	0.815	3.0	116	0.00
33	S	1,2-Dichloroethane-d4	0.410	0.433	-5.6	102	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	120	0.00
35	S	Dibromofluoromethane	0.275	0.291	-5.8	109	0.00
36	T	1,1-Dichloropropene	0.364	0.359	1.4	115	0.00
37	T	Ethyl Acetate	0.120	0.112	6.7	101	0.00
38	T	Carbon Tetrachloride	0.599	0.588	1.8	115	0.00
39	T	Methylcyclohexane	0.466	0.474	-1.7	117	0.00
40	TM	Benzene	1.054	1.080	-2.5	119	0.00
41	T	Methacrylonitrile	0.061	0.057	6.6	122	0.00
42	TM	1,2-Dichloroethane	0.338	0.329	2.7	108	0.00
43	T	Isopropyl Acetate	0.255	0.237	7.1	98	0.00
44	TM	Trichloroethene	0.315	0.313	0.6	116	0.00
45	C	1,2-Dichloropropane	0.213	0.212	0.5#	112	0.00
46	T	Dibromomethane	0.148	0.138	6.8	103	0.00
47	T	Bromodichloromethane	0.419	0.410	2.1	113	0.00
48	T	Methyl methacrylate	0.119	0.109	8.4	100	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020713.D
Acq On : 26 Dec 2024 12:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Quant Time: Dec 26 16:15:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 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	1,4-Dioxane	0.001	0.001	0.0	100	0.00
50	S	Toluene-d8	0.971	1.144	-17.8	111	0.00
51	T	4-Methyl-2-Pentanone	0.123	0.113	8.1	97	0.00
52	CM	Toluene	0.723	0.744	-2.9#	119	0.00
53	T	t-1,3-Dichloropropene	0.368	0.359	2.4	106	0.00
54	T	cis-1,3-Dichloropropene	0.403	0.403	0.0	112	0.00
55	T	1,1,2-Trichloroethane	0.188	0.182	3.2	109	0.00
56	T	Ethyl methacrylate	0.248	0.230	7.3	99	0.00
57	T	1,3-Dichloropropane	0.306	0.301	1.6	108	0.00
58	T	2-Chloroethyl Vinyl ether	0.086	0.085	1.2	99	0.00
59	T	2-Hexanone	0.081	0.074	8.6	93	0.00
60	T	Dibromochloromethane	0.305	0.296	3.0	112	0.00
61	T	1,2-Dibromoethane	0.177	0.172	2.8	108	0.00
62	S	4-Bromofluorobenzene	0.366	0.390	-6.6	109	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	117	0.00
64	T	Tetrachloroethene	0.342	0.342	0.0	114	0.00
65	PM	Chlorobenzene	0.979	0.976	0.3	114	0.00
66	T	1,1,1,2-Tetrachloroethane	0.379	0.384	-1.3	116	0.00
67	C	Ethyl Benzene	1.711	1.751	-2.3#	116	0.00
68	T	m/p-Xylenes	0.653	0.673	-3.1	117	0.00
69	T	o-Xylene	0.624	0.637	-2.1	115	0.00
70	T	Styrene	1.047	1.062	-1.4	114	0.00
71	P	Bromoform	0.218	0.213	2.3	103	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	117	0.00
73	T	Isopropylbenzene	3.464	3.445	0.5	116	0.00
74	T	N-amyl acetate	0.492	0.473	3.9	101	0.00
75	P	1,1,2,2-Tetrachloroethane	0.444	0.414	6.8	102	0.00
76	T	1,2,3-Trichloropropane	0.318	0.290	8.8	112	0.00
77	T	Bromobenzene	0.797	0.805	-1.0	115	0.00
78	T	n-propylbenzene	3.883	3.892	-0.2	116	0.00
79	T	2-Chlorotoluene	2.213	2.198	0.7	114	0.00
80	T	1,3,5-Trimethylbenzene	2.886	2.914	-1.0	115	0.00
81	T	trans-1,4-Dichloro-2-butene	0.161	0.157	2.5	104	0.00
82	T	4-Chlorotoluene	2.287	2.295	-0.3	114	0.00
83	T	tert-Butylbenzene	2.695	2.672	0.9	114	0.00
84	T	1,2,4-Trimethylbenzene	2.809	2.884	-2.7	116	0.00
85	T	sec-Butylbenzene	3.633	3.674	-1.1	117	0.00
86	T	p-Isopropyltoluene	3.237	3.273	-1.1	116	0.00
87	T	1,3-Dichlorobenzene	1.559	1.548	0.7	114	0.00
88	T	1,4-Dichlorobenzene	1.550	1.529	1.4	113	0.00
89	T	n-Butylbenzene	2.702	2.761	-2.2	117	0.00
90	T	Hexachloroethane	0.616	0.611	0.8	116	0.00
91	T	1,2-Dichlorobenzene	1.336	1.352	-1.2	112	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.086	0.080	7.0	95	0.00
93	T	1,2,4-Trichlorobenzene	0.849	0.887	-4.5	115	0.00
94	T	Hexachlorobutadiene	0.619	0.629	-1.6	118	0.00
95	T	Naphthalene	1.360	1.350	0.7	103	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020713.D
Acq On : 26 Dec 2024 12:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Quant Time: Dec 26 16:15:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 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)
96 T	1,2,3-Trichlorobenzene	0.707	0.730	-3.3	110	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020713.D
Acq On : 26 Dec 2024 12:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Quant Time: Dec 26 16:15:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 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	Pentafluorobenzene	50.000	50.000	0.0	122	0.00
2	T	Dichlorodifluoromethane	50.000	47.479	5.0	113	0.00
3	P	Chloromethane	50.000	55.003	-10.0	126	0.00
4	C	Vinyl Chloride	50.000	49.638	0.7#	114	0.00
5	T	Bromomethane	50.000	51.036	-2.1	121	0.00
6	T	Chloroethane	50.000	51.394	-2.8	121	0.00
7	T	Trichlorofluoromethane	50.000	48.899	2.2	117	0.00
8	T	Diethyl Ether	50.000	50.215	-0.4	115	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.370	3.3	116	0.00
10	T	Methyl Iodide	50.000	51.123	-2.2	115	0.00
11	T	Tert butyl alcohol	250.000	208.224	16.7	94	0.00
12	CM	1,1-Dichloroethene	50.000	49.566	0.9#	117	0.00
13	T	Acrolein	250.000	143.918	42.4#	95	0.00
14	T	Allyl chloride	50.000	51.064	-2.1	120	0.00
15	T	Acrylonitrile	250.000	226.940	9.2	100	0.00
16	T	Acetone	250.000	207.840	16.9	97	0.00
17	T	Carbon Disulfide	50.000	52.554	-5.1	119	0.00
18	T	Methyl Acetate	50.000	48.572	2.9	105	0.00
19	T	Methyl tert-butyl Ether	50.000	47.911	4.2	110	0.00
20	T	Methylene Chloride	50.000	50.306	-0.6	121	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.999	-2.0	117	0.00
22	T	Diisopropyl ether	50.000	50.460	-0.9	117	0.00
23	T	Vinyl Acetate	250.000	242.987	2.8	107	0.00
24	P	1,1-Dichloroethane	50.000	50.544	-1.1	121	0.00
25	T	2-Butanone	250.000	225.260	9.9	97	0.00
26	T	2,2-Dichloropropane	50.000	47.328	5.3	115	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.666	0.7	116	0.00
28	T	Bromochloromethane	50.000	54.165	-8.3	111	0.00
29	T	Tetrahydrofuran	250.000	224.521	10.2	97	0.00
30	C	Chloroform	50.000	48.353	3.3#	117	0.00
31	T	Cyclohexane	50.000	44.979	10.0	113	0.00
32	T	1,1,1-Trichloroethane	50.000	48.484	3.0	116	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.910	-5.8	102	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	120	0.00
35	S	Dibromofluoromethane	50.000	52.779	-5.6	109	0.00
36	T	1,1-Dichloropropene	50.000	49.340	1.3	115	0.00
37	T	Ethyl Acetate	50.000	46.791	6.4	101	0.00
38	T	Carbon Tetrachloride	50.000	49.087	1.8	115	0.00
39	T	Methylcyclohexane	50.000	50.860	-1.7	117	0.00
40	TM	Benzene	50.000	51.214	-2.4	119	0.00
41	T	Methacrylonitrile	50.000	46.896	6.2	122	0.00
42	TM	1,2-Dichloroethane	50.000	48.661	2.7	108	0.00
43	T	Isopropyl Acetate	50.000	46.479	7.0	98	0.00
44	TM	Trichloroethene	50.000	49.703	0.6	116	0.00
45	C	1,2-Dichloropropane	50.000	49.593	0.8#	112	0.00
46	T	Dibromomethane	50.000	46.666	6.7	103	0.00
47	T	Bromodichloromethane	50.000	48.995	2.0	113	0.00
48	T	Methyl methacrylate	50.000	45.829	8.3	100	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020713.D
Acq On : 26 Dec 2024 12:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Quant Time: Dec 26 16:15:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 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	1,4-Dioxane	1000.000	998.617	0.1	100	0.00
50	S	Toluene-d8	50.000	52.171	-4.3	111	0.00
51	T	4-Methyl-2-Pentanone	250.000	230.147	7.9	97	0.00
52	CM	Toluene	50.000	51.455	-2.9#	119	0.00
53	T	t-1,3-Dichloropropene	50.000	48.805	2.4	106	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.949	0.1	112	0.00
55	T	1,1,2-Trichloroethane	50.000	48.206	3.6	109	0.00
56	T	Ethyl methacrylate	50.000	46.506	7.0	99	0.00
57	T	1,3-Dichloropropane	50.000	49.234	1.5	108	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	244.679	2.1	99	0.00
59	T	2-Hexanone	250.000	229.110	8.4	93	0.00
60	T	Dibromochloromethane	50.000	48.574	2.9	112	0.00
61	T	1,2-Dibromoethane	50.000	48.387	3.2	108	0.00
62	S	4-Bromofluorobenzene	50.000	53.215	-6.4	109	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	117	0.00
64	T	Tetrachloroethene	50.000	50.131	-0.3	114	0.00
65	PM	Chlorobenzene	50.000	49.866	0.3	114	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.630	-1.3	116	0.00
67	C	Ethyl Benzene	50.000	51.151	-2.3#	116	0.00
68	T	m/p-Xylenes	100.000	103.152	-3.2	117	0.00
69	T	o-Xylene	50.000	51.032	-2.1	115	0.00
70	T	Styrene	50.000	50.717	-1.4	114	0.00
71	P	Bromoform	50.000	48.733	2.5	103	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	117	0.00
73	T	Isopropylbenzene	50.000	49.720	0.6	116	0.00
74	T	N-amyl acetate	50.000	48.015	4.0	101	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	46.657	6.7	102	0.00
76	T	1,2,3-Trichloropropane	50.000	45.549	8.9	112	0.00
77	T	Bromobenzene	50.000	50.459	-0.9	115	0.00
78	T	n-propylbenzene	50.000	50.119	-0.2	116	0.00
79	T	2-Chlorotoluene	50.000	49.656	0.7	114	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.488	-1.0	115	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.646	2.7	104	0.00
82	T	4-Chlorotoluene	50.000	50.168	-0.3	114	0.00
83	T	tert-Butylbenzene	50.000	49.565	0.9	114	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.350	-2.7	116	0.00
85	T	sec-Butylbenzene	50.000	50.578	-1.2	117	0.00
86	T	p-Isopropyltoluene	50.000	50.557	-1.1	116	0.00
87	T	1,3-Dichlorobenzene	50.000	49.657	0.7	114	0.00
88	T	1,4-Dichlorobenzene	50.000	49.305	1.4	113	0.00
89	T	n-Butylbenzene	50.000	51.082	-2.2	117	0.00
90	T	Hexachloroethane	50.000	49.619	0.8	116	0.00
91	T	1,2-Dichlorobenzene	50.000	50.573	-1.1	112	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.197	7.6	95	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.197	-4.4	115	0.00
94	T	Hexachlorobutadiene	50.000	50.811	-1.6	118	0.00
95	T	Naphthalene	50.000	49.600	0.8	103	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020713.D
Acq On : 26 Dec 2024 12:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Quant Time: Dec 26 16:15:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 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)
96 T	1,2,3-Trichlorobenzene	50.000	51.643	-3.3	110	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY020664.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG No.: P5316

Instrument ID: MSVOA_Y Calibration Date/Time: 12/20/2024 09:09

Lab File ID: VY020664.D Init. Calib. Date(s): 12/17/2024 12/17/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:01 14:51

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.431	0.372		-13.69	20
1,1-Dichloroethene	0.627	0.646		3.03	20
Acetone	0.125	0.112		-10.4	20
Methyl tert-butyl Ether	1.618	1.677		3.65	20
Methylene Chloride	0.681	0.700		2.79	20
trans-1,2-Dichloroethene	0.703	0.742		5.55	20
1,1-Dichloroethane	1.306	1.384	0.1	5.97	20
2-Butanone	0.204	0.195		-4.41	20
Carbon Tetrachloride	0.711	0.793		11.53	20
cis-1,2-Dichloroethene	0.809	0.845		4.45	20
Chloroform	1.528	1.402		-8.25	20
1,1,1-Trichloroethane	1.200	1.268		5.67	20
Benzene	1.883	2.064		9.61	20
1,2-Dichloroethane	0.500	0.539		7.8	20
Trichloroethene	0.463	0.499		7.78	20
Toluene	1.170	1.291		10.34	20
Tetrachloroethene	0.470	0.508		8.09	20
Chlorobenzene	1.398	1.523	0.3	8.94	20
Ethyl Benzene	2.579	2.864		11.05	20
m/p-Xylenes	0.959	1.049		9.39	20
o-Xylene	0.895	0.981		9.61	20
n-propylbenzene	5.257	5.794		10.22	20
tert-Butylbenzene	3.206	3.568		11.29	20
1,2,4-Trimethylbenzene	3.473	3.805		9.56	20
sec-Butylbenzene	4.662	5.155		10.57	20
1,3-Dichlorobenzene	1.876	2.012		7.25	20
1,4-Dichlorobenzene	1.858	1.956		5.27	20
n-Butylbenzene	3.643	4.041		10.93	20
1,2-Dichlorobenzene	1.626	1.718		5.66	20
1,2-Dichloroethane-d4	0.548	0.442		-19.34	20
Dibromofluoromethane	0.352	0.306		-13.07	20
Toluene-d8	1.233	1.077		-12.65	20
4-Bromofluorobenzene	0.482	0.406		-15.77	20
1,4-Dioxane	2.668	2.620	0.05	-1.8	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020664.D
Acq On : 20 Dec 2024 09:09
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 18:07:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	162547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	240673	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	212145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	119359	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	71807	40.336	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 80.680%			
35) Dibromofluoromethane	7.640	113	73716	43.459	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 86.920%			
50) Toluene-d8	10.109	98	259216	43.661	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 87.320%			
62) 4-Bromofluorobenzene	12.408	95	97623	42.036	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 84.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	101237	49.863	ug/l	99
3) Chloromethane	2.074	50	65890	43.800	ug/l	98
4) Vinyl Chloride	2.208	62	60443	43.169	ug/l	100
5) Bromomethane	2.605	94	35571	39.522	ug/l	96
6) Chloroethane	2.739	64	34884	40.318	ug/l	96
7) Trichlorofluoromethane	3.068	101	142498	48.639	ug/l	97
8) Diethyl Ether	3.464	74	46033	44.802	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.824	101	110942	52.831	ug/l	99
10) Methyl Iodide	4.013	142	131655	56.311	ug/l	99
11) Tert butyl alcohol	4.860	59	40751	212.136	ug/l	99
12) 1,1-Dichloroethene	3.793	96	104993	51.529	ug/l	97
13) Acrolein	3.659	56	10168	120.792	ug/l	96
14) Allyl chloride	4.391	41	192684	53.969	ug/l	99
15) Acrylonitrile	5.068	53	125271	254.850	ug/l	99
16) Acetone	3.873	43	90623	256.402	ug/l	96
17) Carbon Disulfide	4.116	76	360666	54.380	ug/l	99
18) Methyl Acetate	4.391	43	65339	53.944	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	272592	51.833	ug/l	100
20) Methylene Chloride	4.622	84	113838	51.431	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	120568	52.751	ug/l	99
22) Diisopropyl ether	6.025	45	385510	53.195	ug/l	97
23) Vinyl Acetate	5.964	43	1068233	260.253	ug/l	99
24) 1,1-Dichloroethane	5.927	63	224983	52.991	ug/l	99
25) 2-Butanone	6.896	43	158594	239.715	ug/l	100
26) 2,2-Dichloropropane	6.890	77	201830	50.287	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	137382	52.244	ug/l	99
28) Bromochloromethane	7.250	49	72076	50.330	ug/l	99
29) Tetrahydrofuran	7.268	42	104646	250.559	ug/l	100
30) Chloroform	7.427	83	227859	53.857	ug/l	98
31) Cyclohexane	7.707	56	199490	49.141	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	206129	52.846	ug/l	100
36) 1,1-Dichloropropene	7.841	75	169048	54.656	ug/l	100
37) Ethyl Acetate	6.988	43	73443	50.481	ug/l	99
38) Carbon Tetrachloride	7.823	117	190940	55.798	ug/l	99
39) Methylcyclohexane	9.116	83	216273	53.650	ug/l	97
40) Benzene	8.085	78	496803	54.799	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020664.D
Acq On : 20 Dec 2024 09:09
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 18:07:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.226	41	39064	50.789 ug/l	93
42) 1,2-Dichloroethane	8.165	62	129790	53.978 ug/l	99
43) Isopropyl Acetate	8.201	43	146927	53.344 ug/l #	89
44) Trichloroethene	8.866	130	120106	53.915 ug/l	98
45) 1,2-Dichloropropane	9.146	63	114657	54.113 ug/l	100
46) Dibromomethane	9.231	93	60564	54.086 ug/l	99
47) Bromodichloromethane	9.427	83	165285	54.644 ug/l	99
48) Methyl methacrylate	9.225	41	69098	52.772 ug/l	99
49) 1,4-Dioxane	9.231	88	12610	981.949 ug/l	97
51) 4-Methyl-2-Pentanone	10.000	43	372513	256.228 ug/l	100
52) Toluene	10.176	92	310772	55.159 ug/l	100
53) t-1,3-Dichloropropene	10.396	75	153061	54.306 ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	185052	55.407 ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	80376	54.290 ug/l	97
56) Ethyl methacrylate	10.439	69	116828	54.394 ug/l	97
57) 1,3-Dichloropropane	10.719	76	143193	54.257 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	242438	268.265 ug/l	99
59) 2-Hexanone	10.762	43	246134	263.689 ug/l	100
60) Dibromochloromethane	10.914	129	109346	55.226 ug/l	99
61) 1,2-Dibromoethane	11.018	107	73670	53.496 ug/l	98
64) Tetrachloroethene	10.652	164	107671	53.958 ug/l	97
65) Chlorobenzene	11.444	112	323124	54.474 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	114100	56.252 ug/l	98
67) Ethyl Benzene	11.524	91	607565	55.519 ug/l	97
68) m/p-Xylenes	11.633	106	444911	109.344 ug/l	99
69) o-Xylene	11.957	106	208015	54.792 ug/l	97
70) Styrene	11.975	104	349665	55.127 ug/l	99
71) Bromoform	12.133	173	63758	55.908 ug/l #	98
73) Isopropylbenzene	12.255	105	571028	54.823 ug/l	99
74) N-amyl acetate	12.072	43	126874	52.048 ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.511	83	90544	53.553 ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	62731m	50.593 ug/l	
77) Bromobenzene	12.536	156	121520	53.559 ug/l	99
78) n-propylbenzene	12.597	91	691545	55.107 ug/l	100
79) 2-Chlorotoluene	12.682	91	382585	54.188 ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	460381	54.473 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	32476	54.979 ug/l	99
82) 4-Chlorotoluene	12.780	91	394546	53.864 ug/l	100
83) tert-Butylbenzene	12.999	119	425908	55.644 ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	454208	54.789 ug/l	99
85) sec-Butylbenzene	13.182	105	615306	55.289 ug/l	99
86) p-Isopropyltoluene	13.298	119	507405	55.299 ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	240167	53.623 ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	233518	52.643 ug/l	99
89) n-Butylbenzene	13.621	91	482377	55.471 ug/l	99
90) Hexachloroethane	13.883	117	99835	54.904 ug/l	99
91) 1,2-Dichlorobenzene	13.664	146	205065	52.844 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	13979	50.926 ug/l	99
93) 1,2,4-Trichlorobenzene	14.926	180	121126	51.603 ug/l	100
94) Hexachlorobutadiene	15.029	225	83298	54.285 ug/l	99
95) Naphthalene	15.151	128	204937	50.926 ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	100879	50.866 ug/l	99

Sample Results: **VY020664.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020664.D
Acq On : 20 Dec 2024 09:09
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 18:07:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

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

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

Sample Results: **VY020664.D**

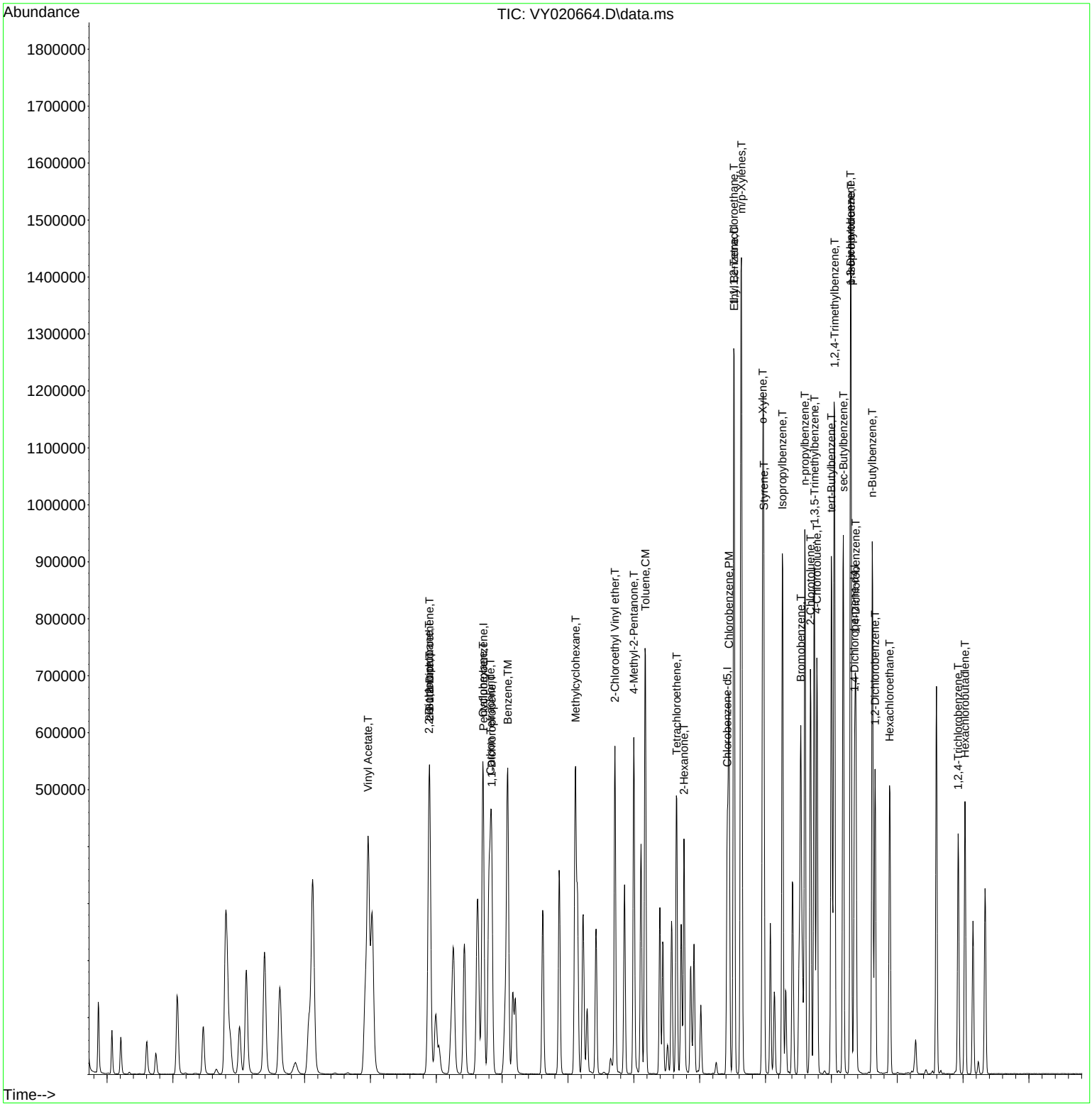
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020664.D
Acq On : 20 Dec 2024 09:09
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

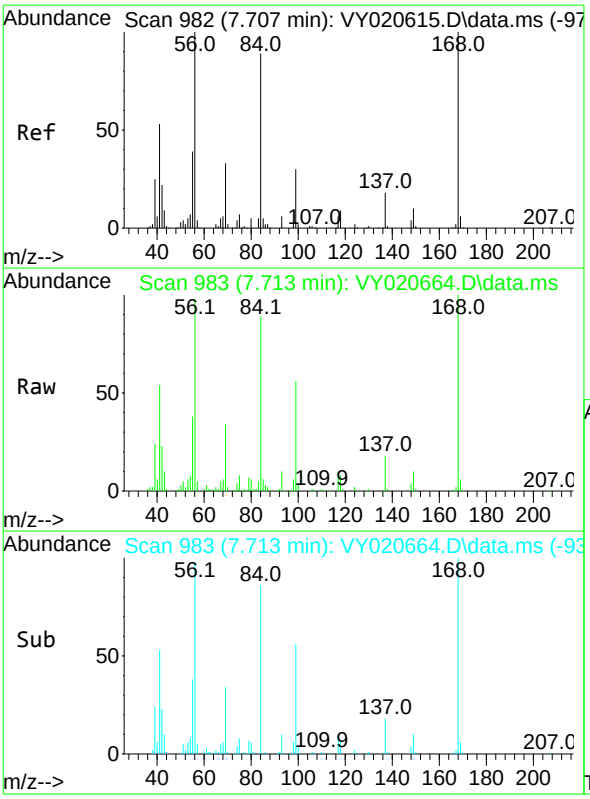
Quant Time: Dec 20 18:07:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

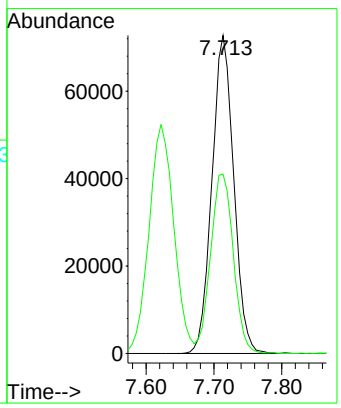




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:168 Resp: 162547

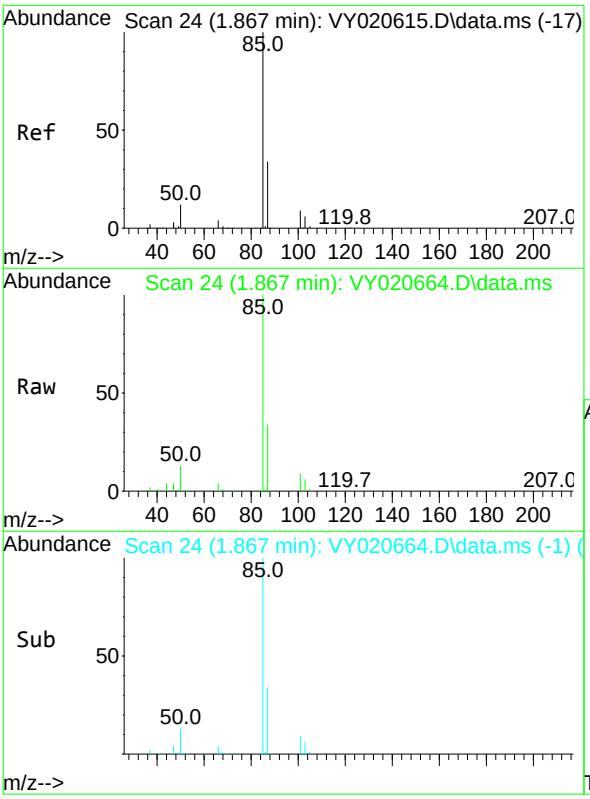
Ion	Ratio	Lower	Upper
168	100		
99	56.3	47.0	70.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

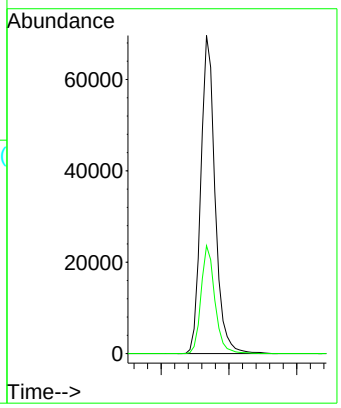
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

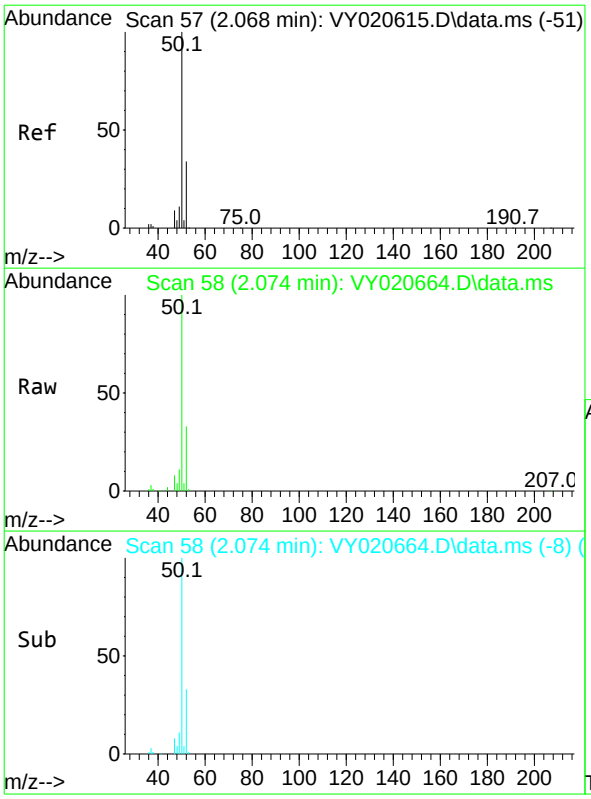


#2
Dichlorodifluoromethane
Concen: 49.863 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 85 Resp: 101237

Ion	Ratio	Lower	Upper
85	100		
87	33.9	16.8	50.3

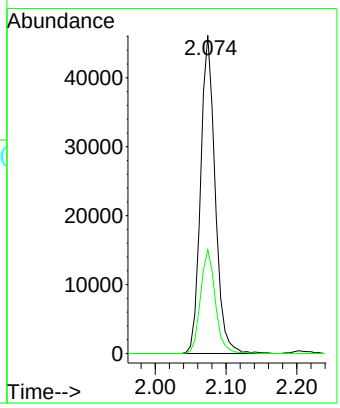




#3
Chloromethane
Concen: 43.800 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 50 Resp: 65890

Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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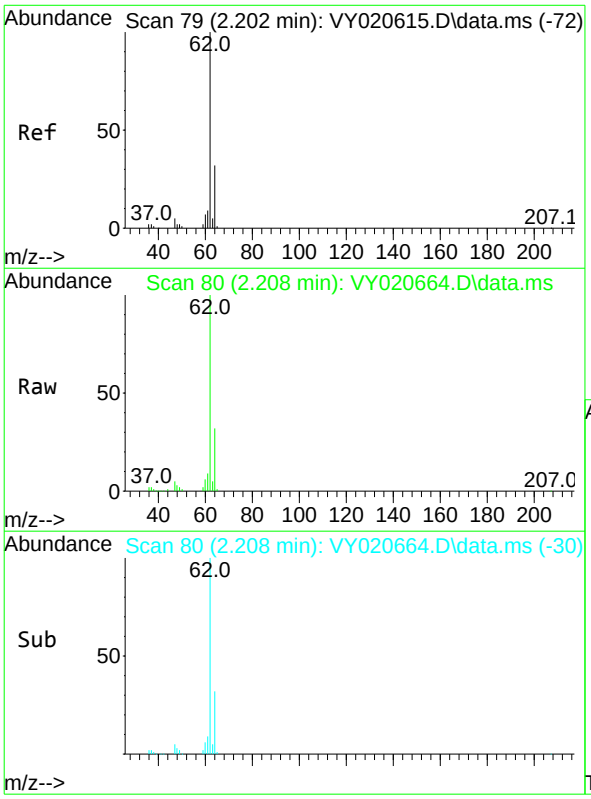
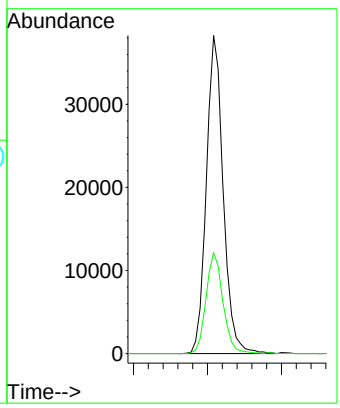
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

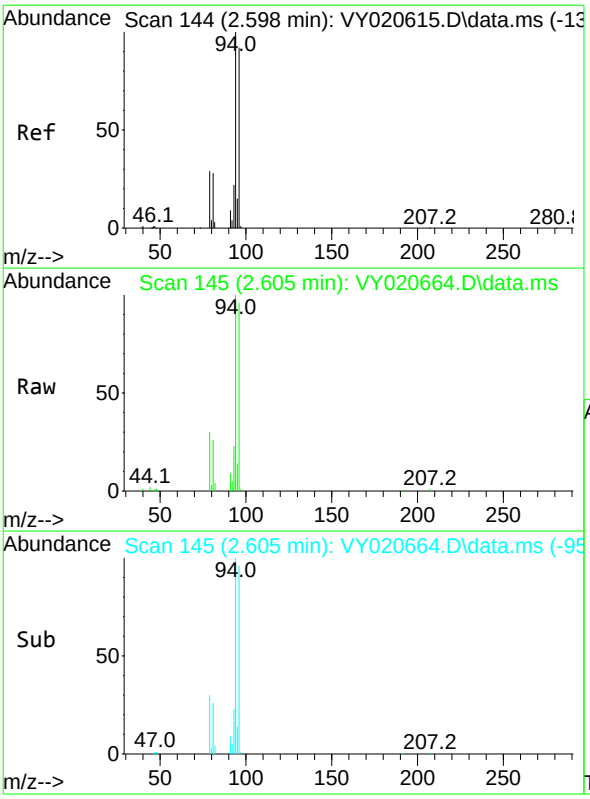


#4
Vinyl Chloride
Concen: 43.169 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 62 Resp: 60443

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.3	37.9





#5
Bromomethane
Concen: 39.522 ug/l
RT: 2.605 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 94 Resp: 35571

Ion	Ratio	Lower	Upper
94	100		
96	96.4	73.8	110.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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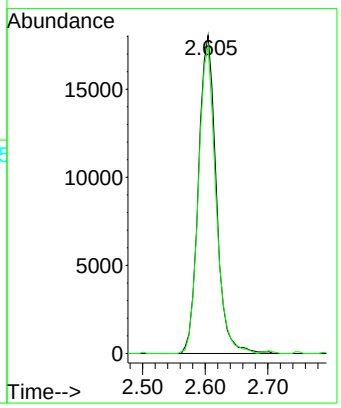
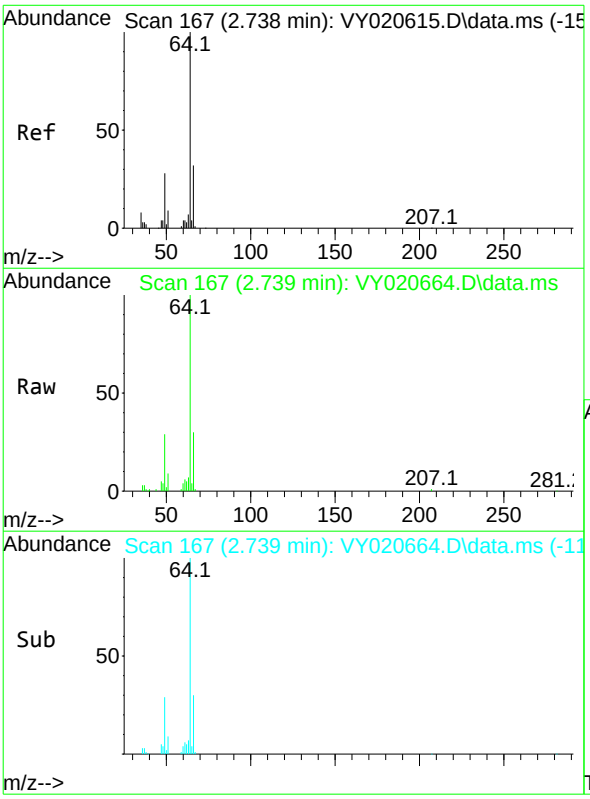
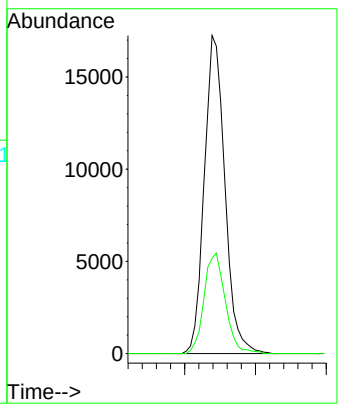


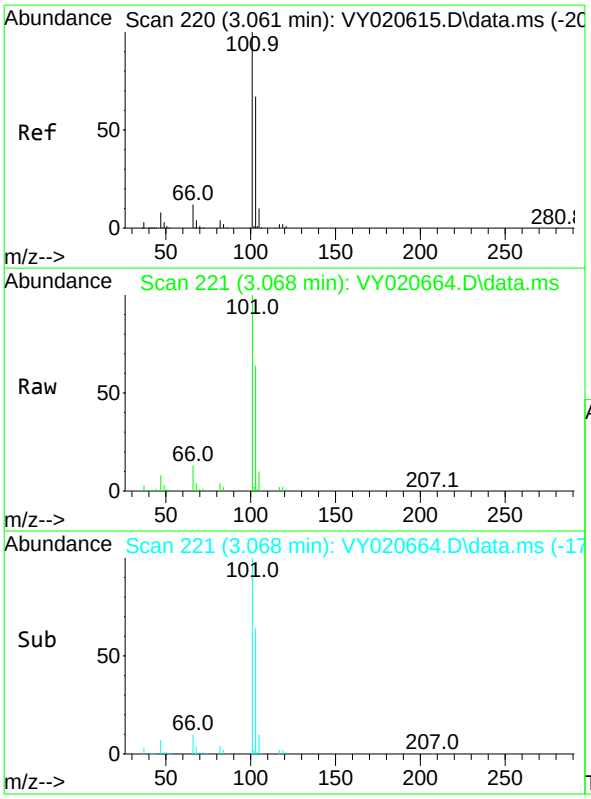


#6
Chloroethane
Concen: 40.318 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 64 Resp: 34884

Ion	Ratio	Lower	Upper
64	100		
66	30.0	25.8	38.6

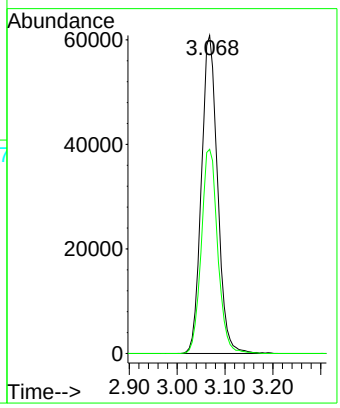




#7
Trichlorofluoromethane
Concen: 48.639 ug/l
RT: 3.068 min Scan# 22
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:101 Resp: 142498

Ion	Ratio	Lower	Upper
101	100		
103	64.2	53.4	80.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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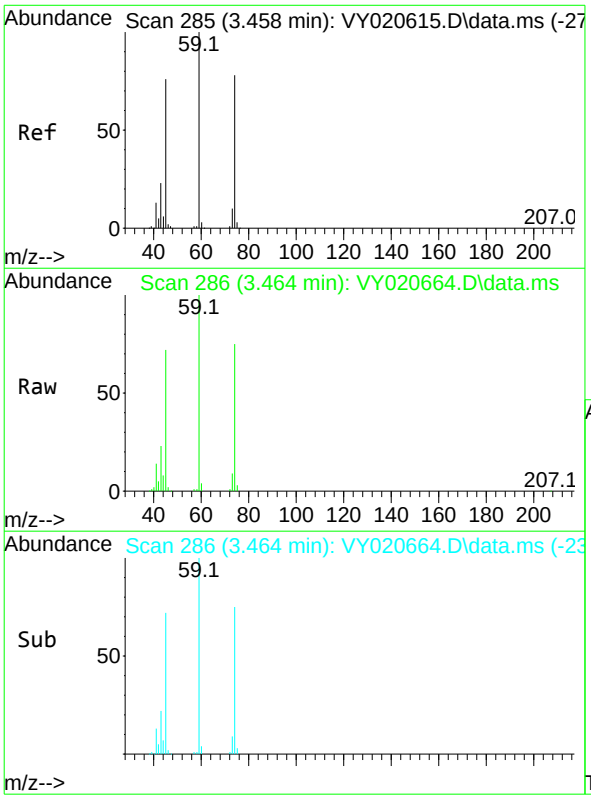
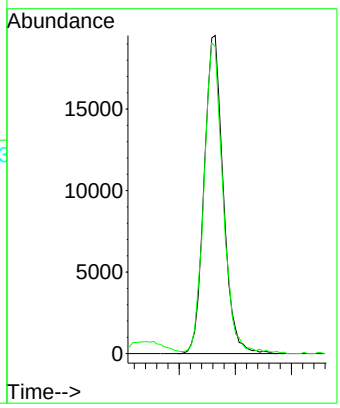
Supervised By :Mahesh Dadoda 12/24/2024

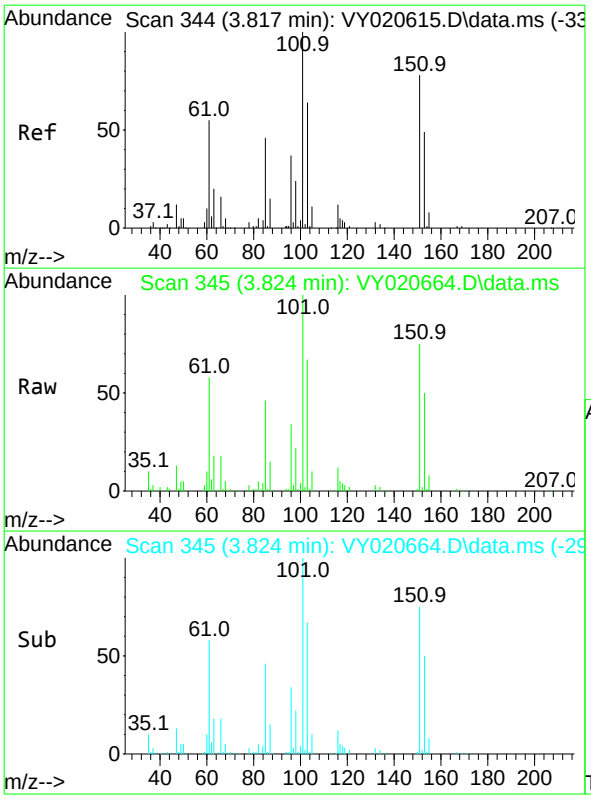


#8
Diethyl Ether
Concen: 44.802 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 74 Resp: 46033

Ion	Ratio	Lower	Upper
74	100		
45	98.1	49.0	147.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.831 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 110942

Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.6	54.8
151	77.1	61.5	92.3

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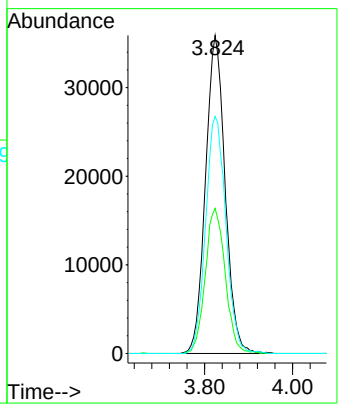
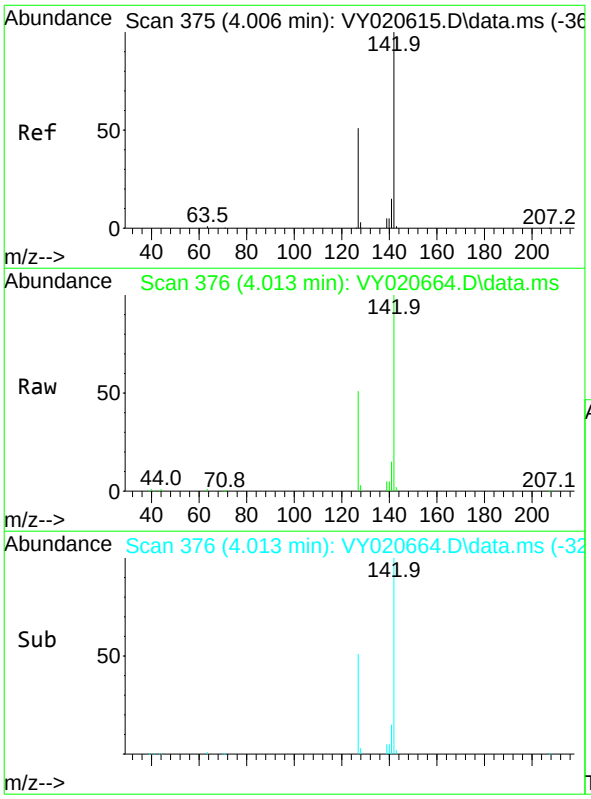
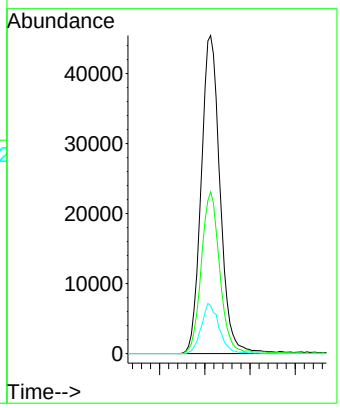


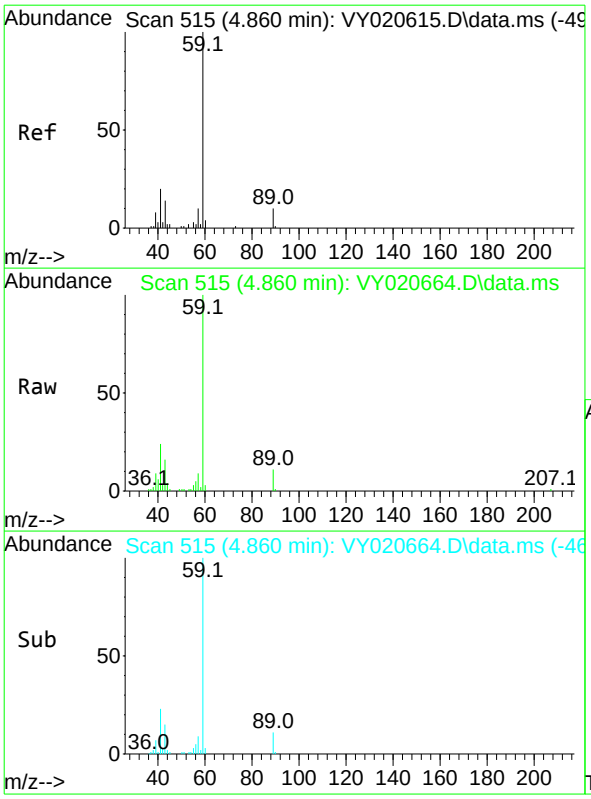


#10
Methyl Iodide
Concen: 56.311 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.007 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:142 Resp: 131655

Ion	Ratio	Lower	Upper
142	100		
127	49.9	40.6	61.0
141	15.0	11.7	17.5

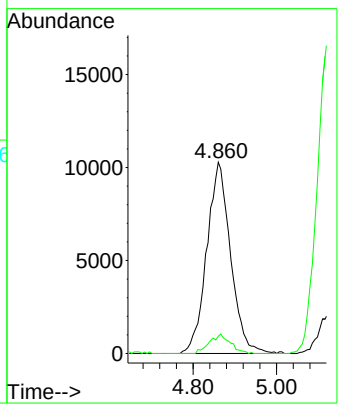




#11
Tert butyl alcohol
Concen: 212.136 ug/l
RT: 4.860 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 59 Resp: 40751

Ion	Ratio	Lower	Upper
59	100		
57	8.9	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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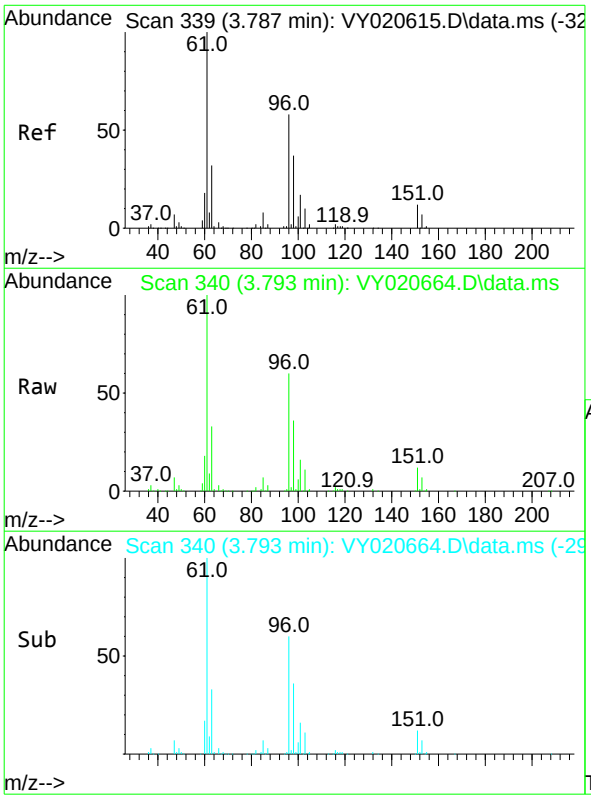
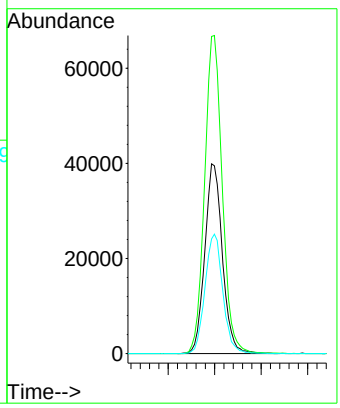
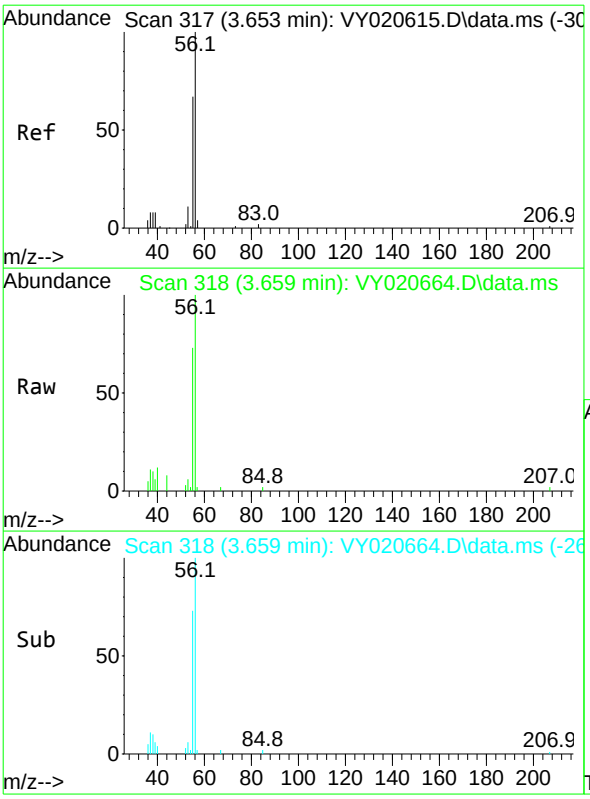


#12
1,1-Dichloroethene
Concen: 51.529 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 96 Resp: 104993

Ion	Ratio	Lower	Upper
96	100		
61	167.1	136.9	205.3
98	60.4	50.2	75.4

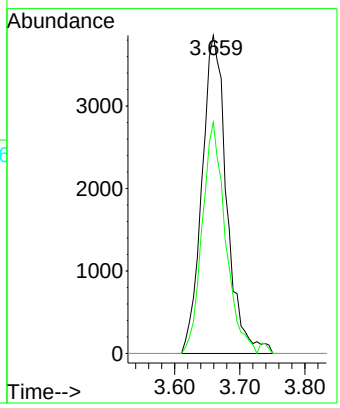




#13
Acrolein
Concen: 120.792 ug/l
RT: 3.659 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 56 Resp: 10168

Ion	Ratio	Lower	Upper
56	100		
55	68.3	57.5	86.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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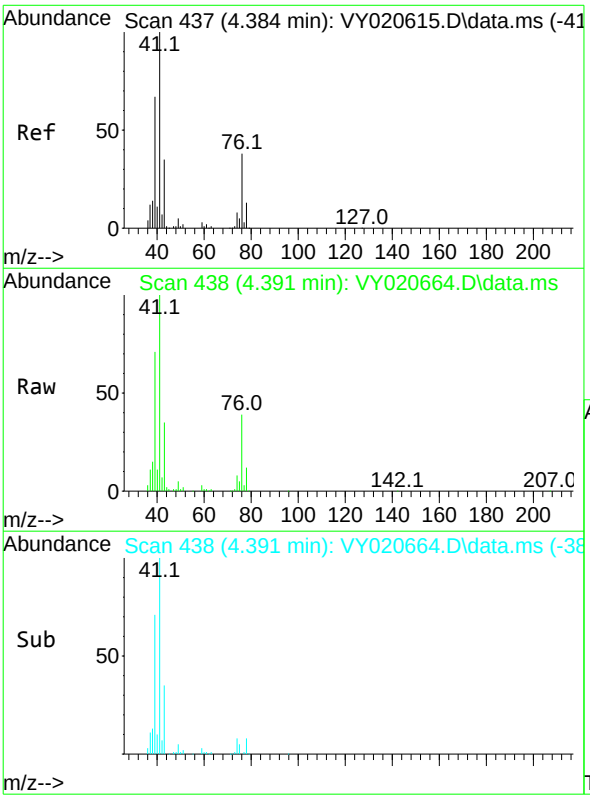
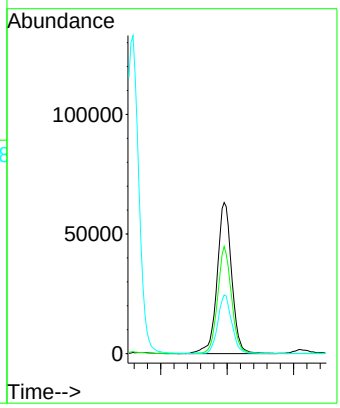
Supervised By :Mahesh Dadoda 12/24/2024

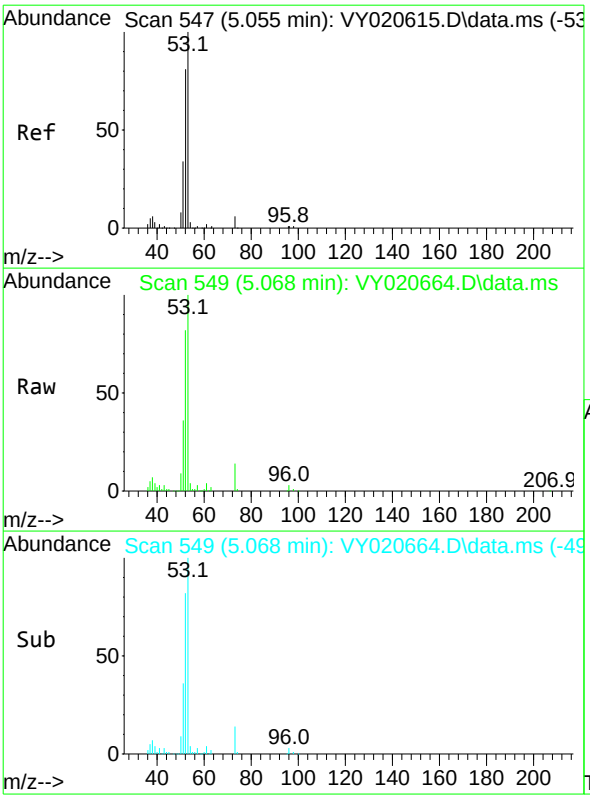


#14
Allyl chloride
Concen: 53.969 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 41 Resp: 192684

Ion	Ratio	Lower	Upper
41	100		
39	67.0	53.0	79.4
76	36.8	29.5	44.3

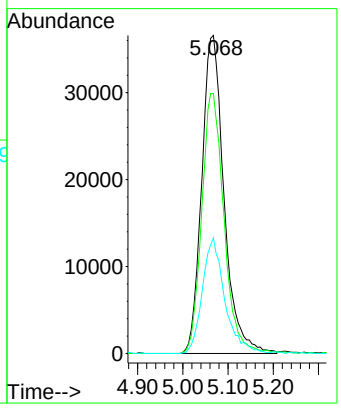




#15
Acrylonitrile
Concen: 254.850 ug/l
RT: 5.068 min Scan# 54
Delta R.T. 0.012 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 53 Resp: 125271

Ion	Ratio	Lower	Upper
53	100		
52	81.2	64.5	96.7
51	36.5	29.4	44.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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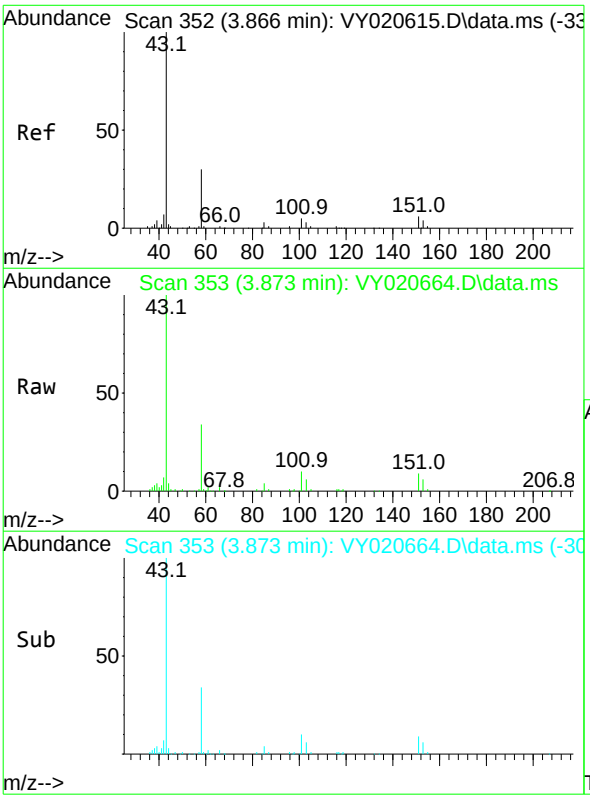
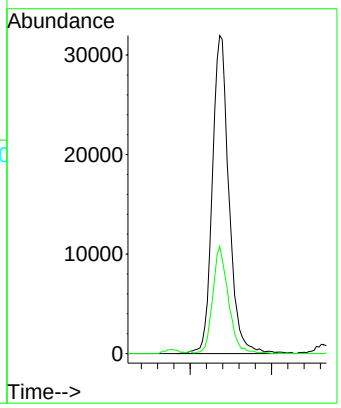
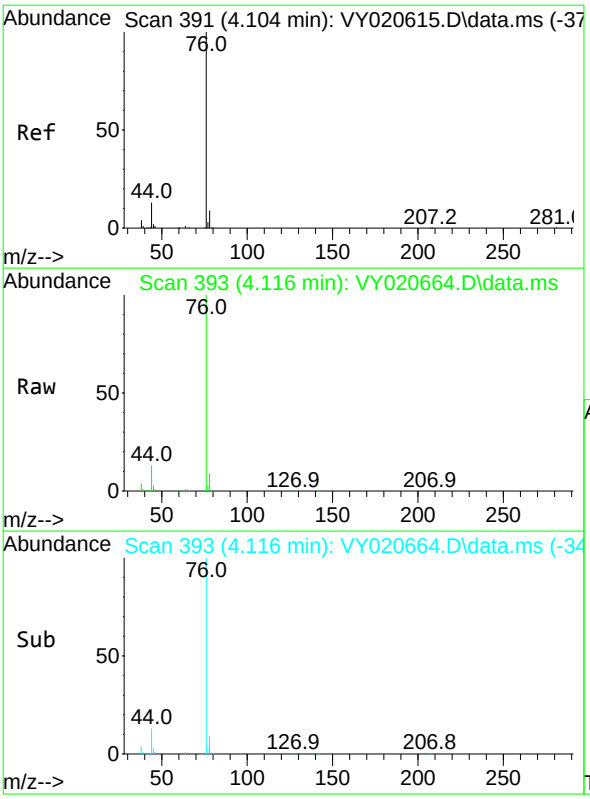


#16
Acetone
Concen: 256.402 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.007 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 43 Resp: 90623

Ion	Ratio	Lower	Upper
43	100		
58	33.7	25.0	37.6

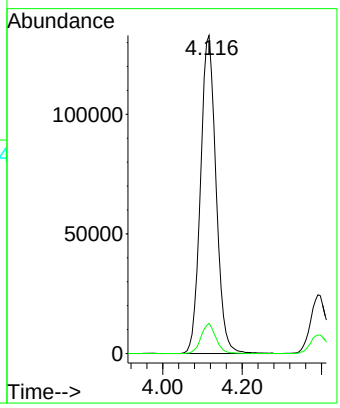




#17
Carbon Disulfide
Concen: 54.380 ug/l
RT: 4.116 min Scan# 39
Delta R.T. 0.013 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 76 Resp: 360666

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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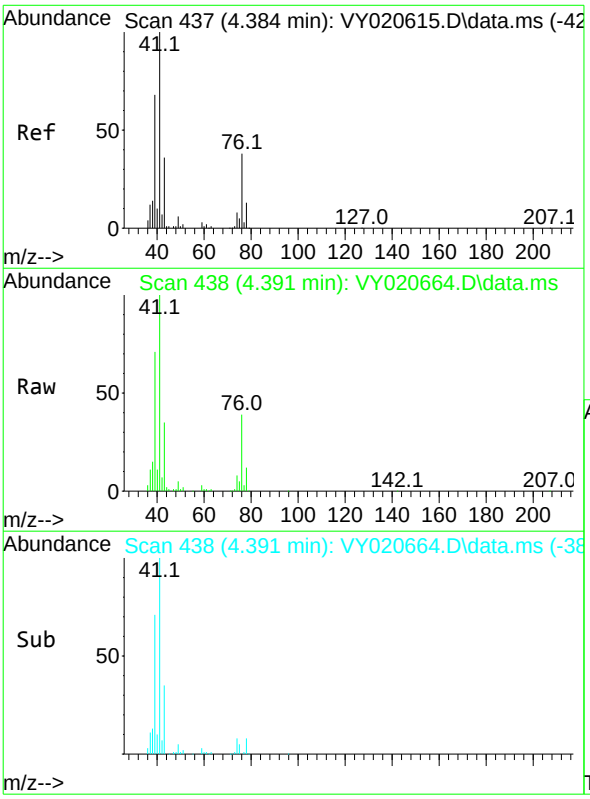
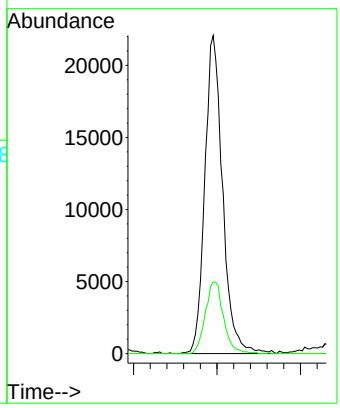
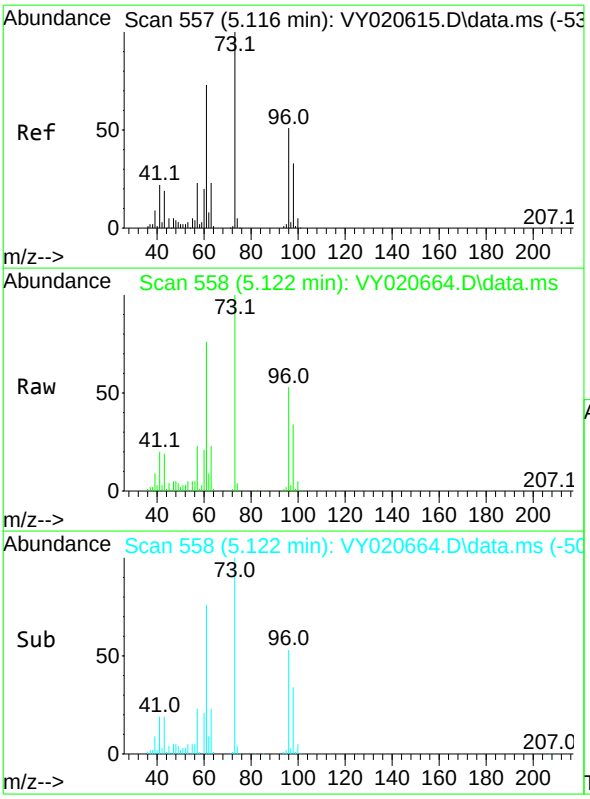


#18
Methyl Acetate
Concen: 53.944 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 43 Resp: 65339

Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.2	28.8

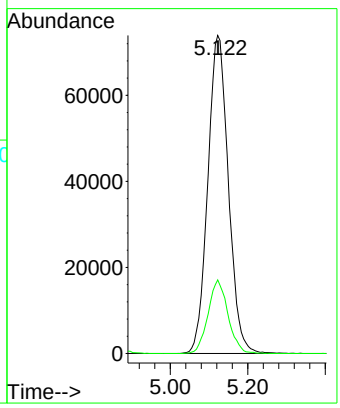




#19
Methyl tert-butyl Ether
Concen: 51.833 ug/l
RT: 5.122 min Scan# 55
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 73 Resp: 272592

Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.5	27.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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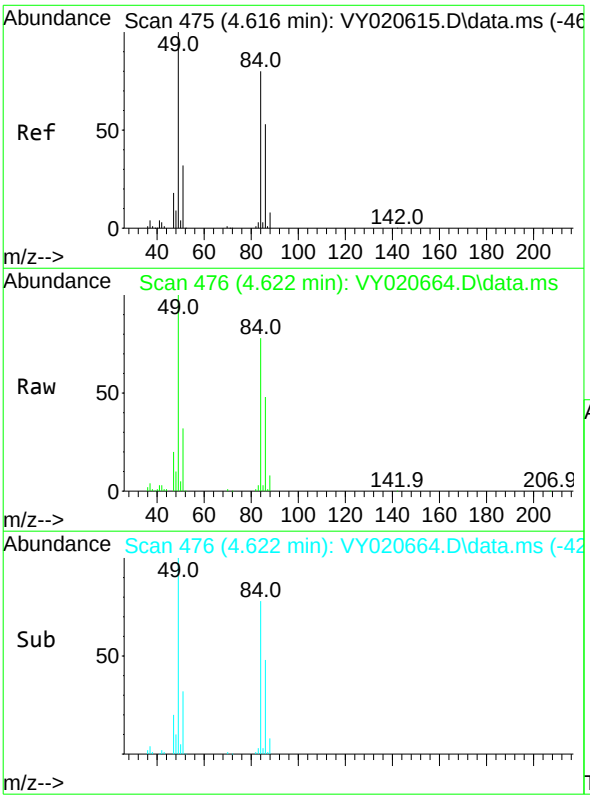
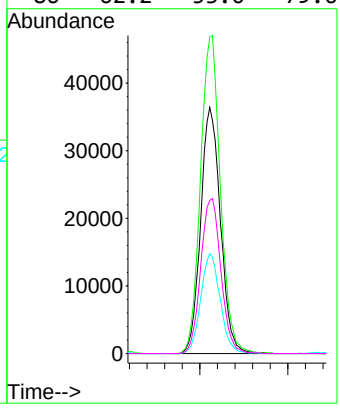
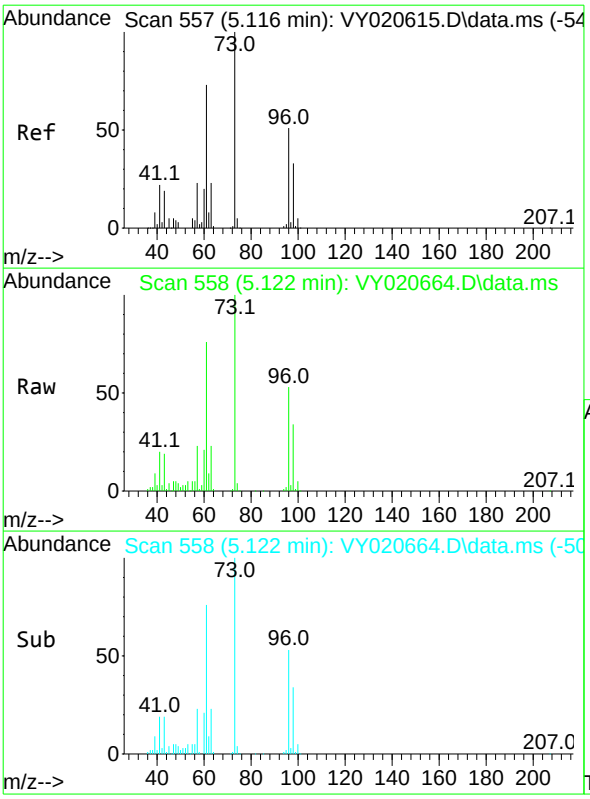


#20
Methylene Chloride
Concen: 51.431 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 84 Resp: 113838

Ion	Ratio	Lower	Upper
84	100		
49	128.6	100.7	151.1
51	40.6	32.2	48.2
86	62.2	53.0	79.6

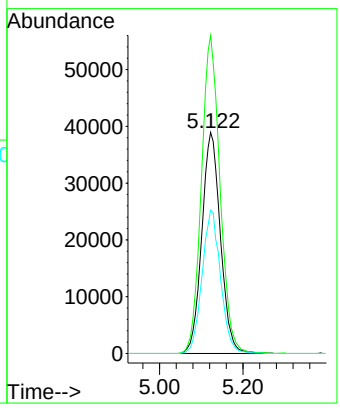




#21
trans-1,2-Dichloroethene
Concen: 52.751 ug/l
RT: 5.122 min Scan# 55
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 96 Resp: 120568

Ion	Ratio	Lower	Upper
96	100		
61	143.9	113.7	170.5
98	64.8	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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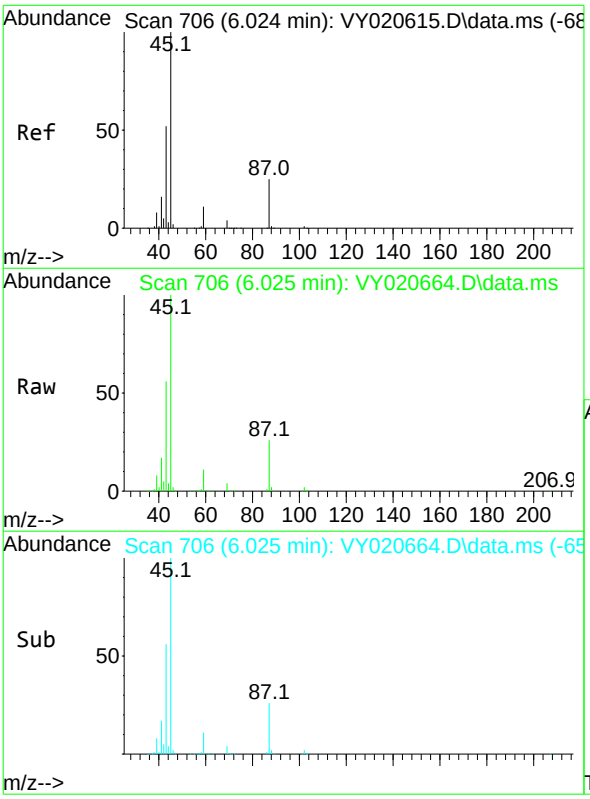
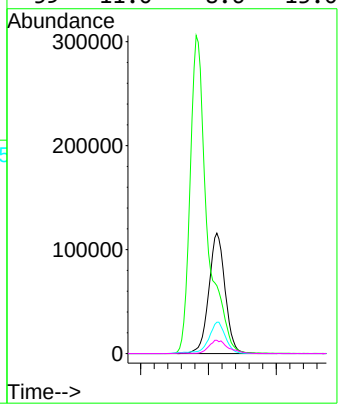
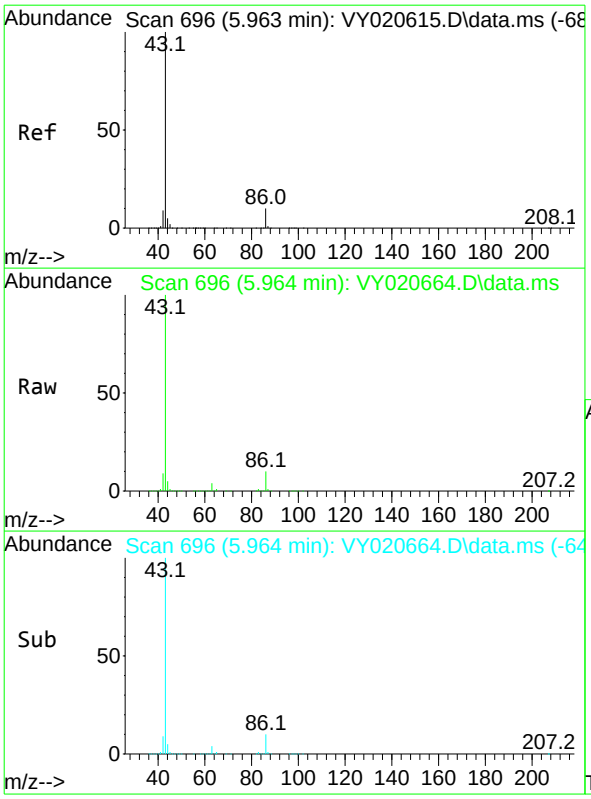


#22
Diisopropyl ether
Concen: 53.195 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 45 Resp: 385510

Ion	Ratio	Lower	Upper
45	100		
43	56.1	42.6	64.0
87	26.0	20.6	31.0
59	11.0	8.6	13.0

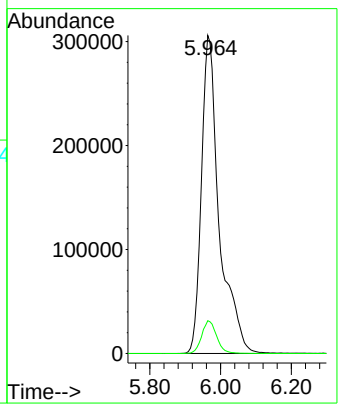




#23
Vinyl Acetate
Concen: 260.253 ug/l
RT: 5.964 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 43 Resp: 1068233

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.1	12.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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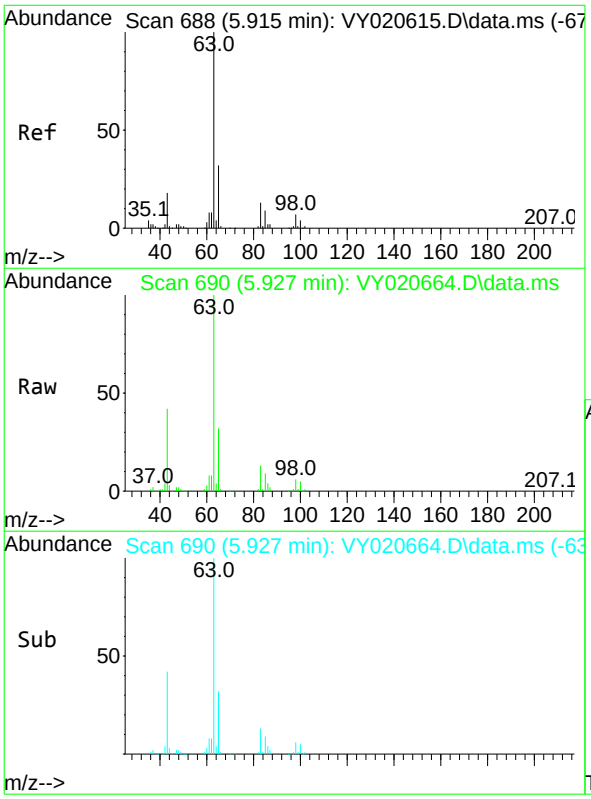
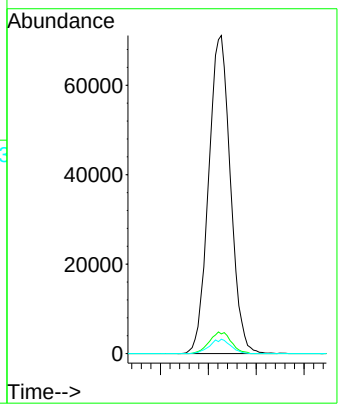
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

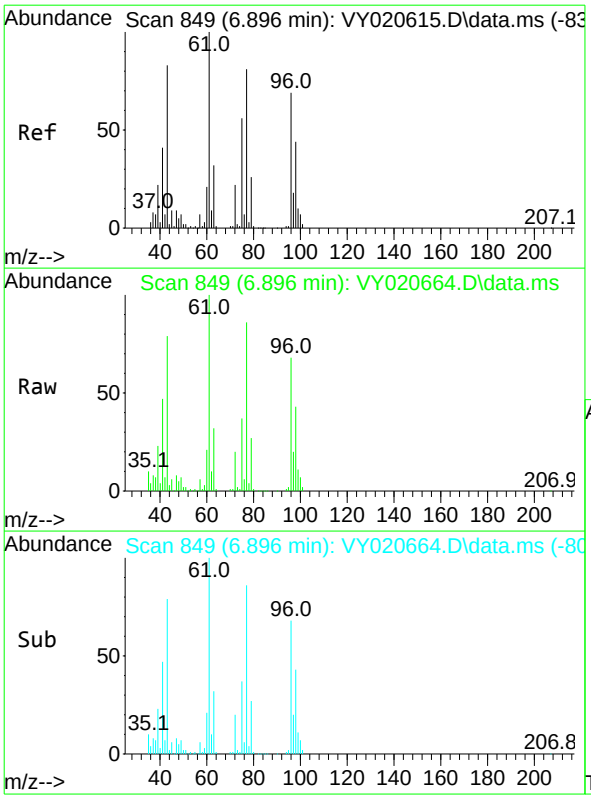


#24
1,1-Dichloroethane
Concen: 52.991 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.013 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 63 Resp: 224983

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.4	10.1
100	4.5	2.1	6.5

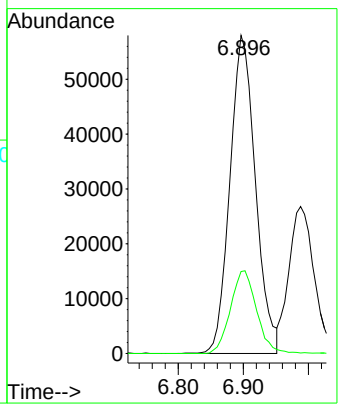




#25
2-Butanone
Concen: 239.715 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 43 Resp: 158594

Ion	Ratio	Lower	Upper
43	100		
72	25.8	20.6	31.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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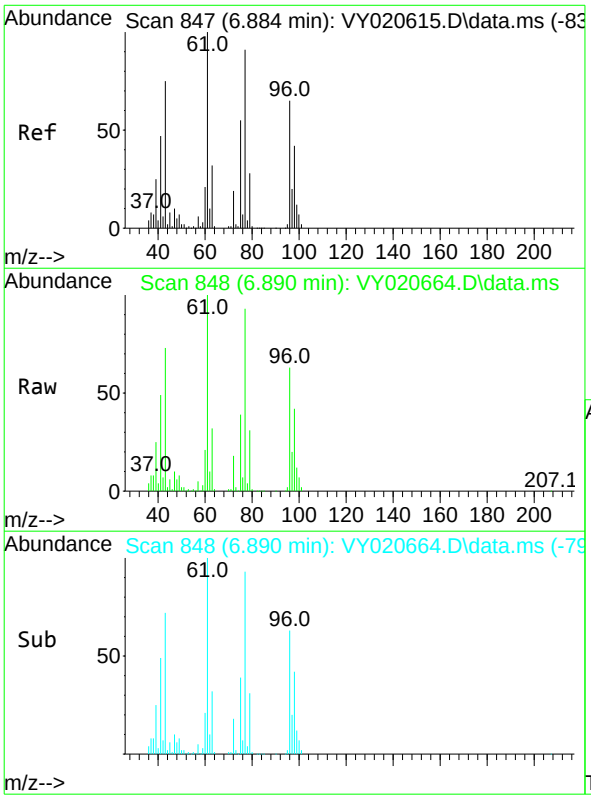
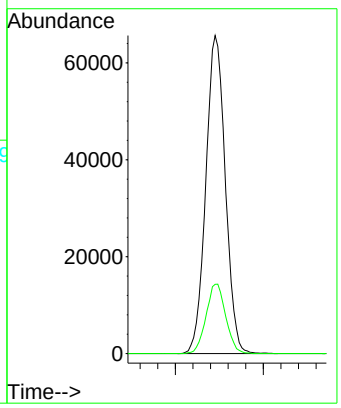
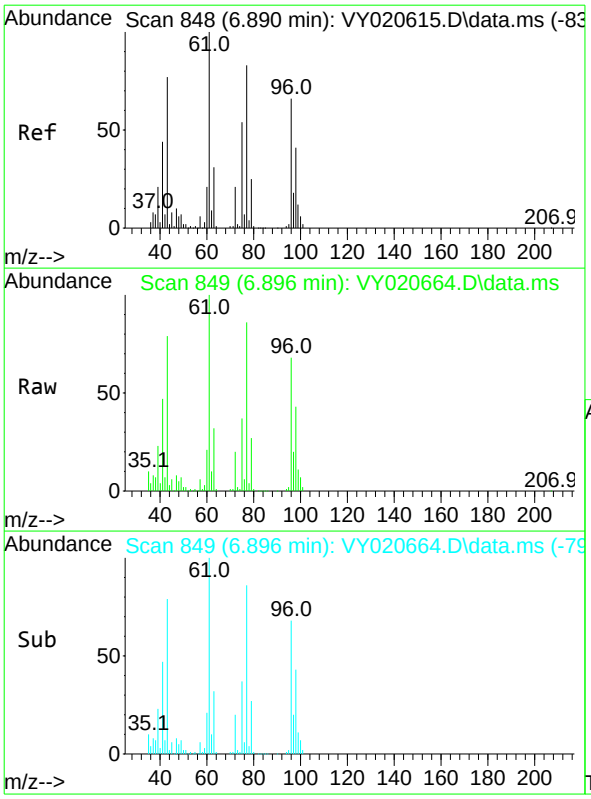


#26
2,2-Dichloropropane
Concen: 50.287 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 77 Resp: 201830

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.6

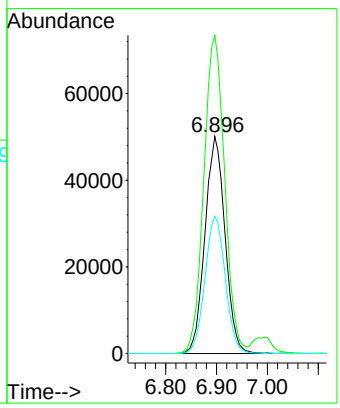




#27
cis-1,2-Dichloroethene
Concen: 52.244 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 96 Resp: 137382

Ion	Ratio	Lower	Upper
96	100		
61	151.8	0.0	306.2
98	64.2	0.0	127.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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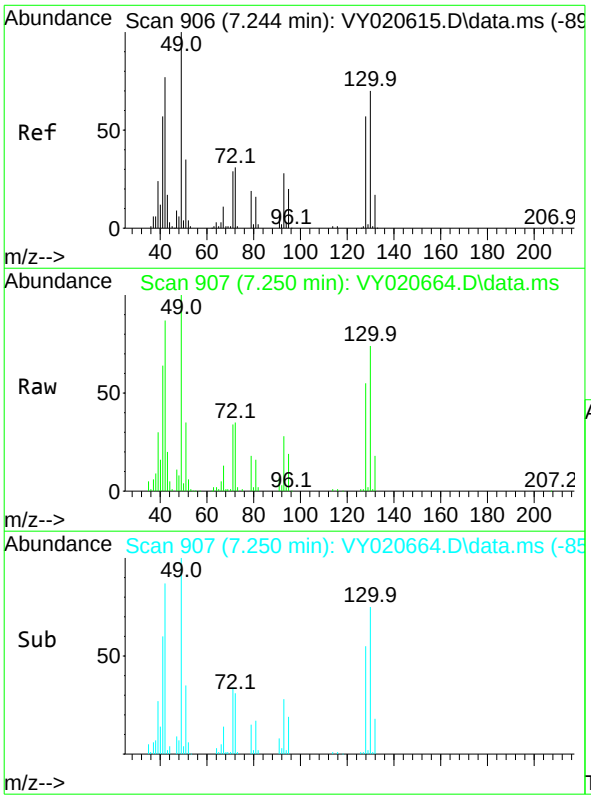
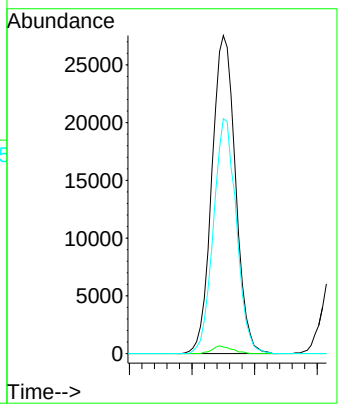
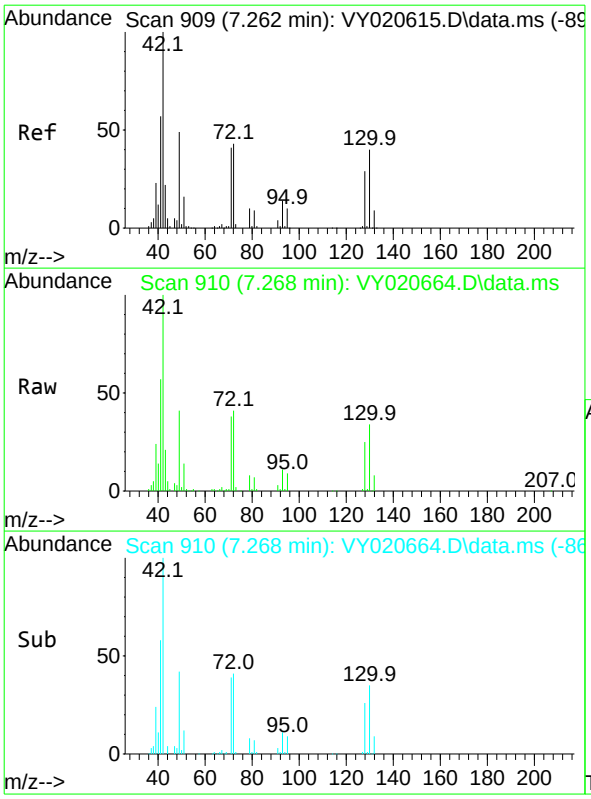


#28
Bromochloromethane
Concen: 50.330 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 49 Resp: 72076

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	71.9	58.3	87.5





#29
Tetrahydrofuran
Concen: 250.559 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 42 Resp: 104646

Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.0	51.0
71	39.5	31.6	47.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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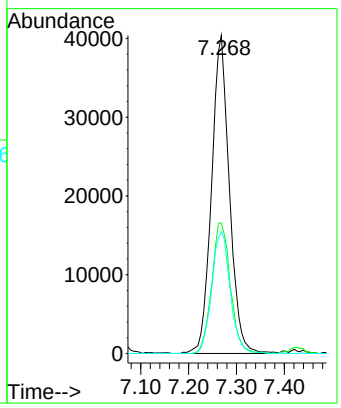
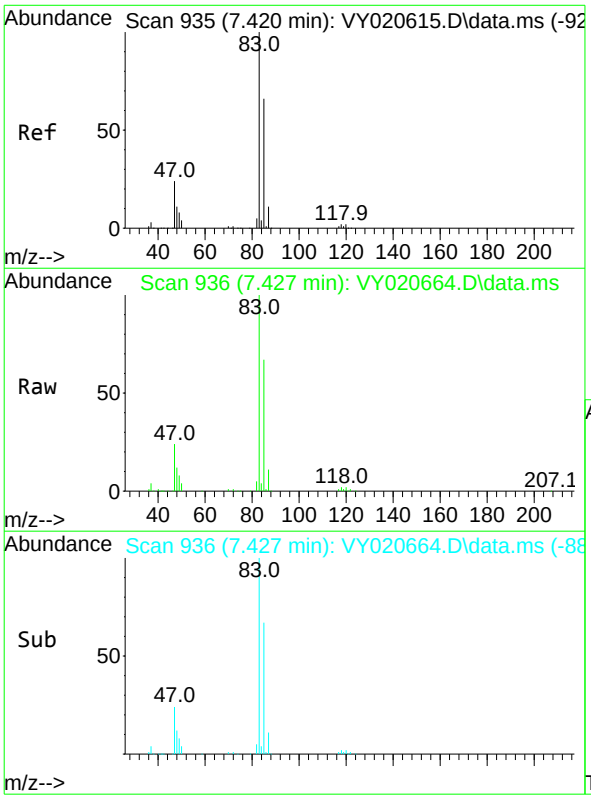
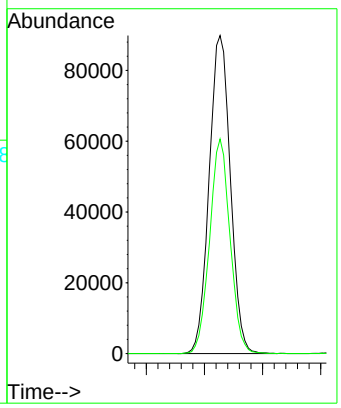


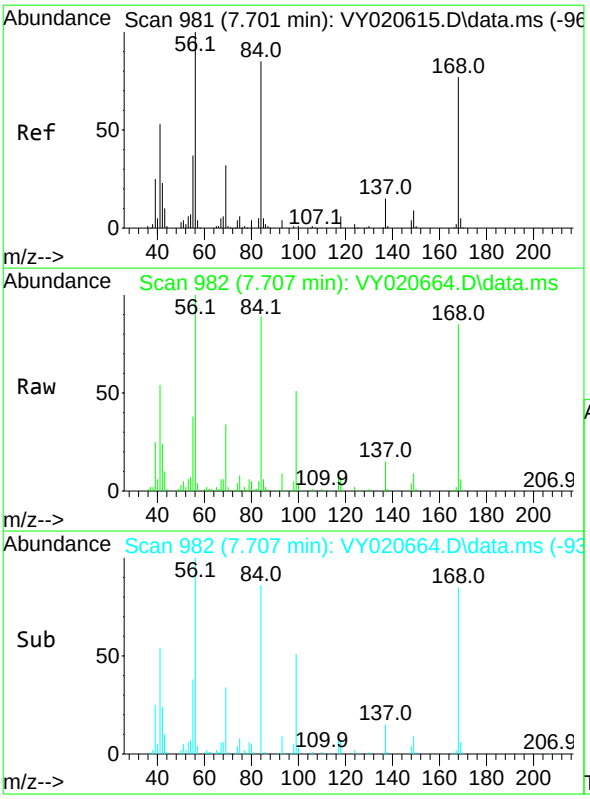


#30
Chloroform
Concen: 53.857 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.007 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 83 Resp: 227859

Ion	Ratio	Lower	Upper
83	100		
85	67.5	52.7	79.1

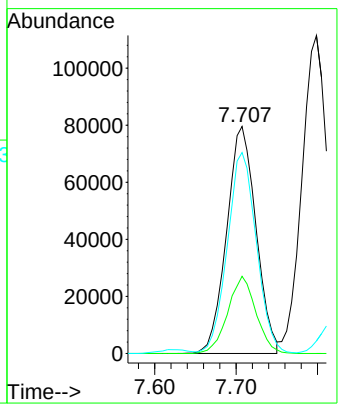




#31
Cyclohexane
Concen: 49.141 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 56 Resp: 199490

Ion	Ratio	Lower	Upper
56	100		
69	34.0	25.4	38.0
84	86.9	68.3	102.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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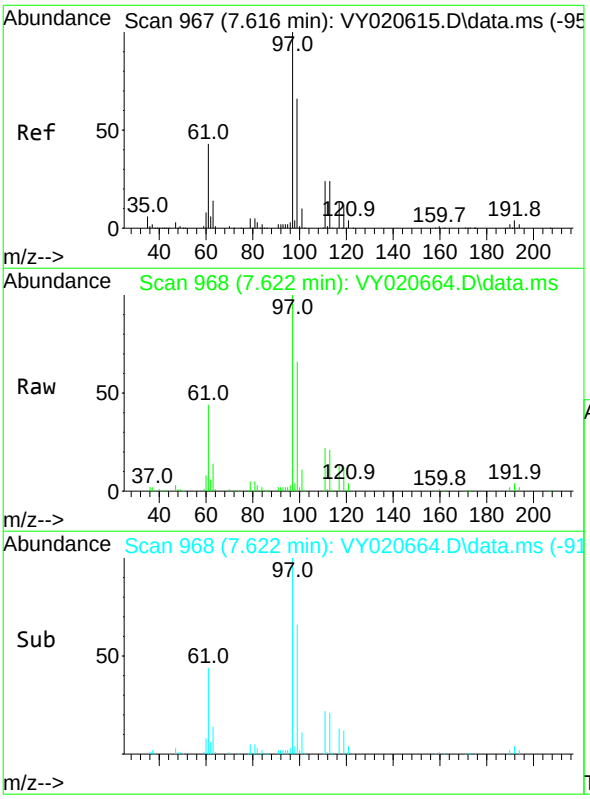
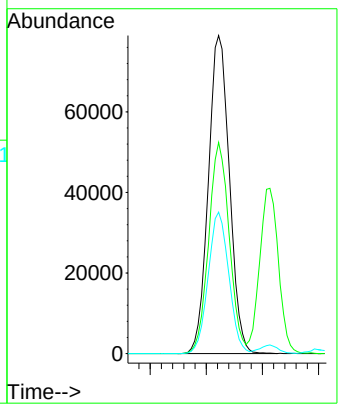
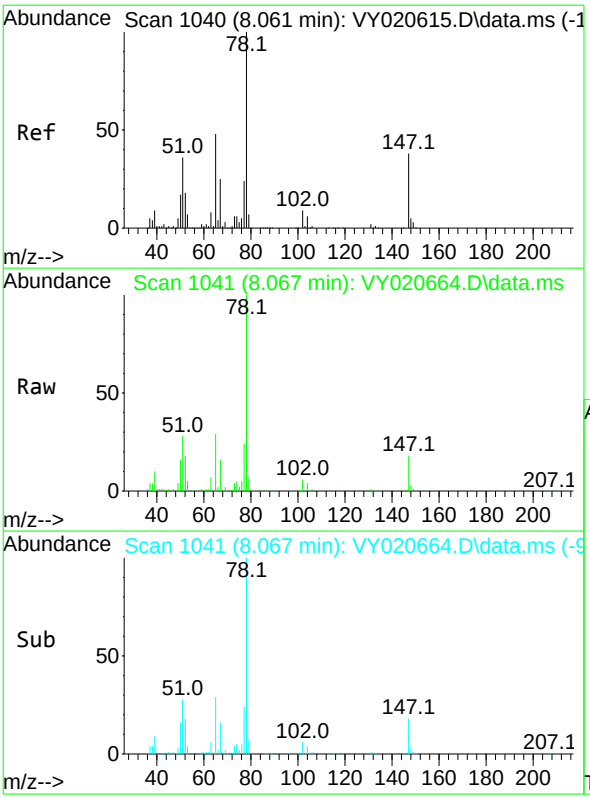


#32
1,1,1-Trichloroethane
Concen: 52.846 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 97 Resp: 206129

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.6	77.4
61	43.6	34.7	52.1





#33
1,2-Dichloroethane-d4
Concen: 40.336 ug/l
RT: 8.067 min Scan# 10
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 71807

Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	108.0

Manual Integrations
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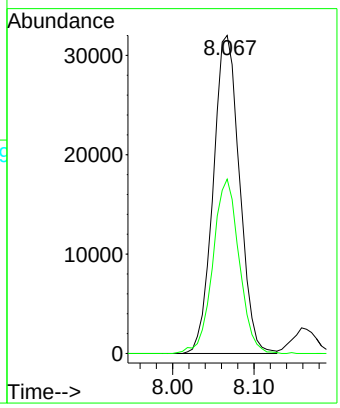
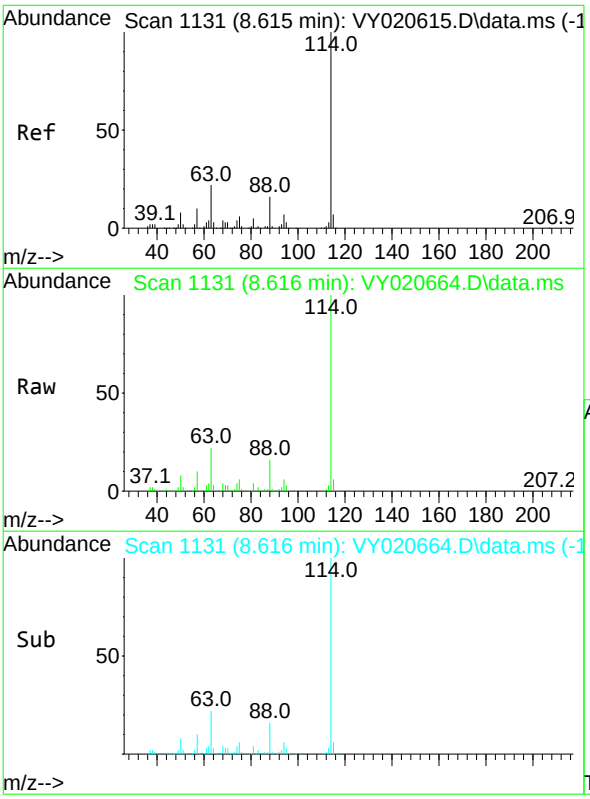
Supervised By :Mahesh Dadoda 12/24/2024

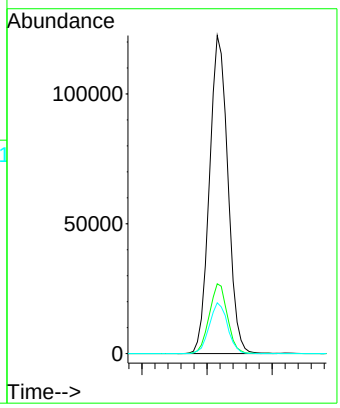


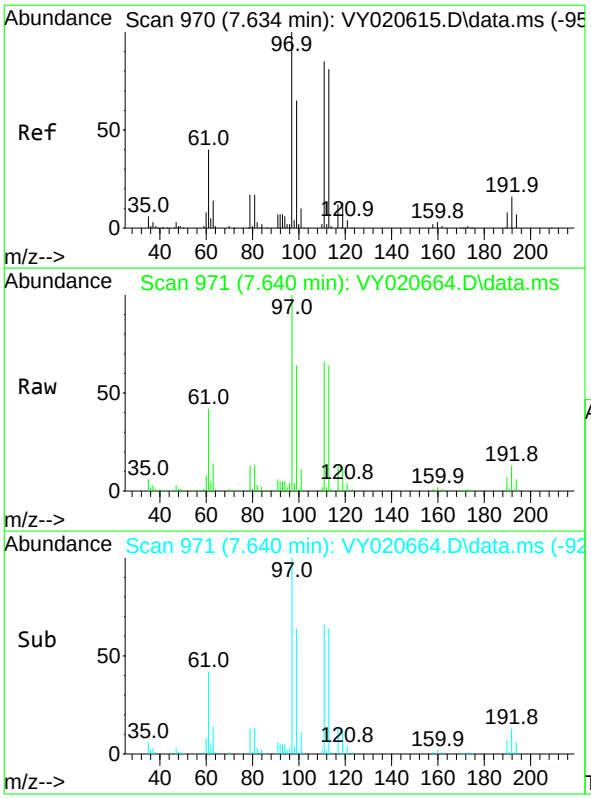


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:114 Resp: 240673

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	16.0	0.0	32.8

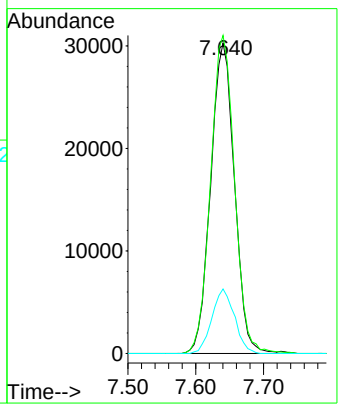




#35
Dibromofluoromethane
Concen: 43.459 ug/l
RT: 7.640 min Scan# 97
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:113 Resp: 73716

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.9	124.3
192	19.8	15.7	23.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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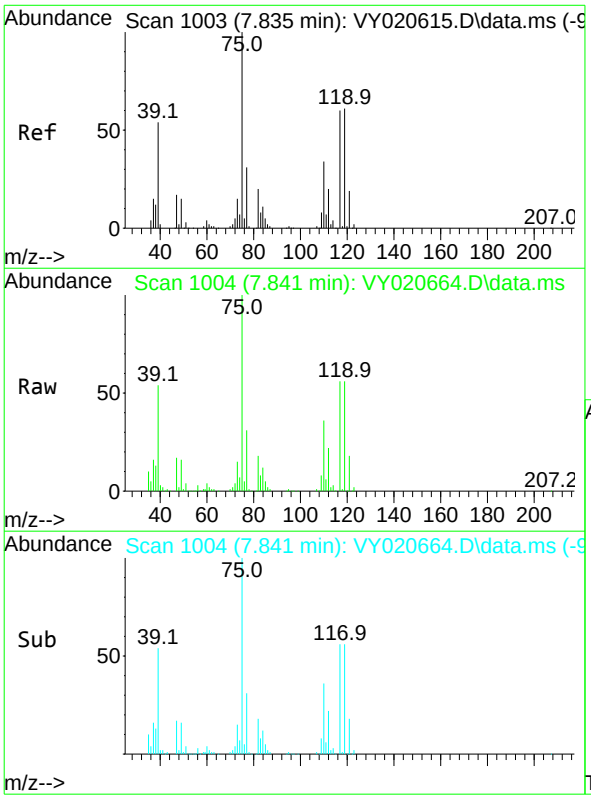
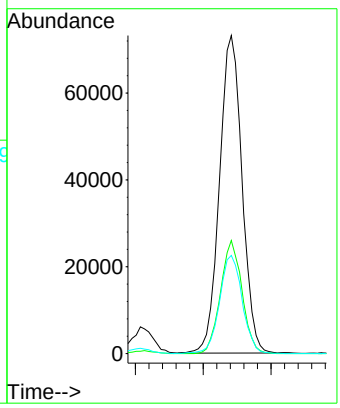
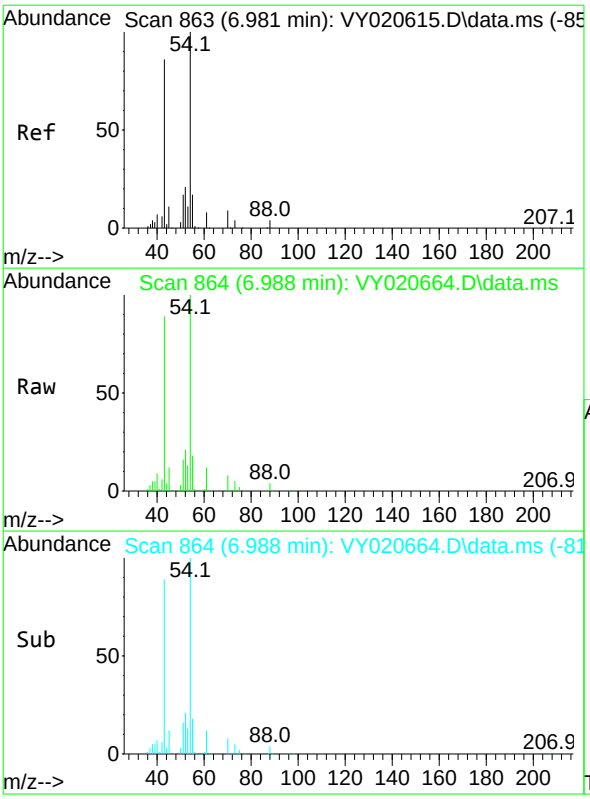


#36
1,1-Dichloropropene
Concen: 54.656 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 75 Resp: 169048

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.8	50.4
77	31.1	25.0	37.6

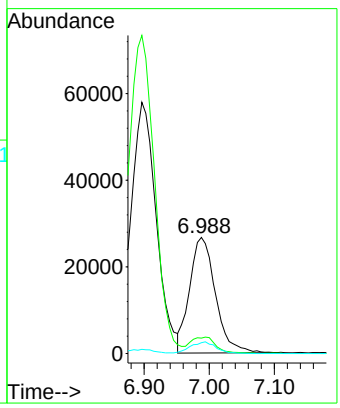




#37
Ethyl Acetate
Concen: 50.481 ug/l
RT: 6.988 min Scan# 86
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 43 Resp: 73443

Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.0	16.4
70	9.9	7.9	11.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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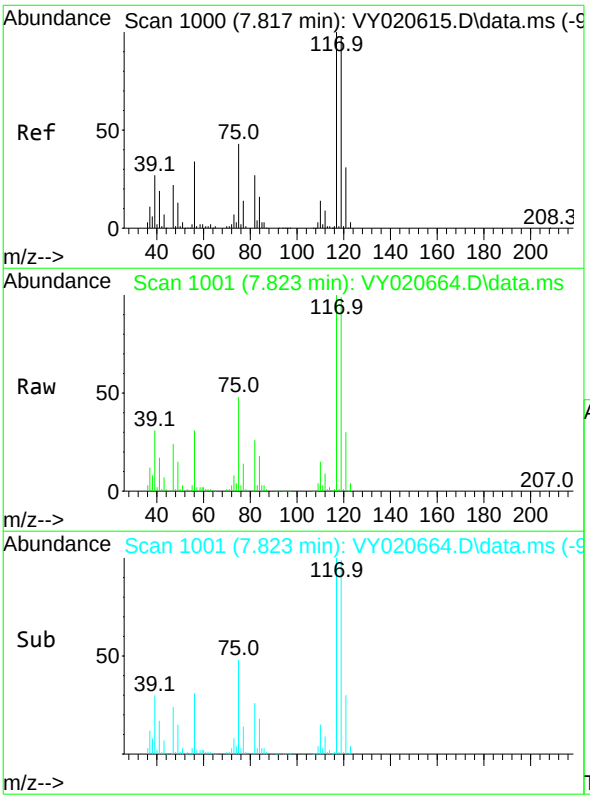
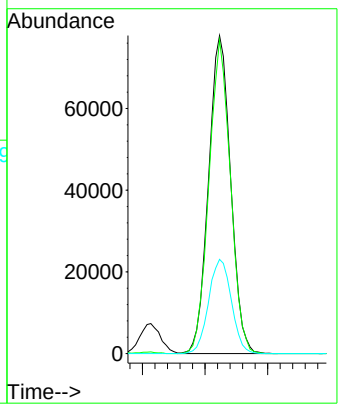
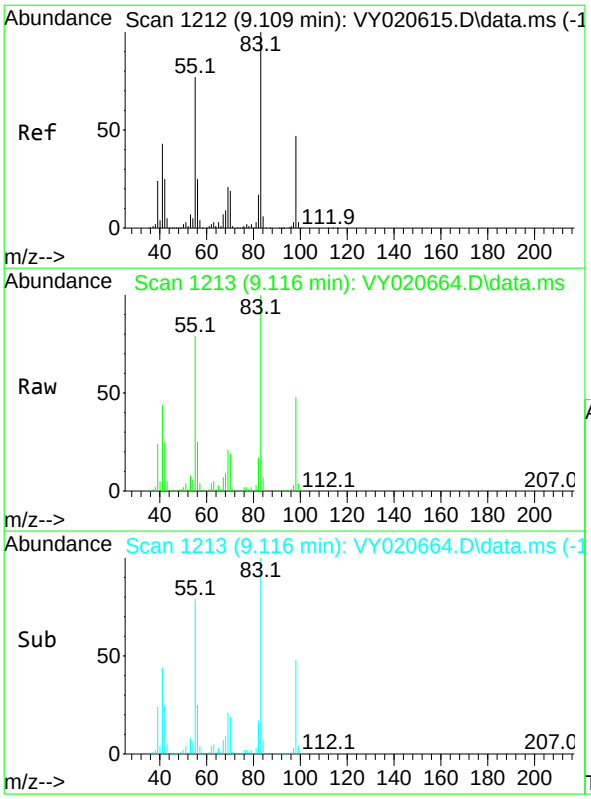


#38
Carbon Tetrachloride
Concen: 55.798 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:117 Resp: 190940

Ion	Ratio	Lower	Upper
117	100		
119	98.6	78.3	117.5
121	29.6	25.1	37.7





#39
Methylcyclohexane
Concen: 53.650 ug/l
RT: 9.116 min Scan# 12
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 83 Resp: 216273

Ion	Ratio	Lower	Upper
83	100		
55	78.8	61.4	92.0
98	48.5	37.3	55.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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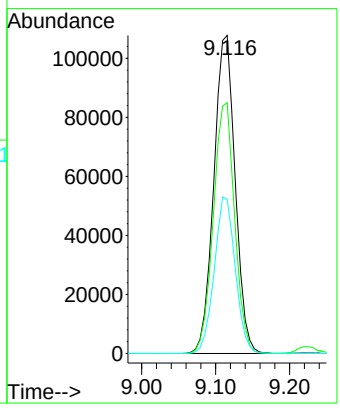
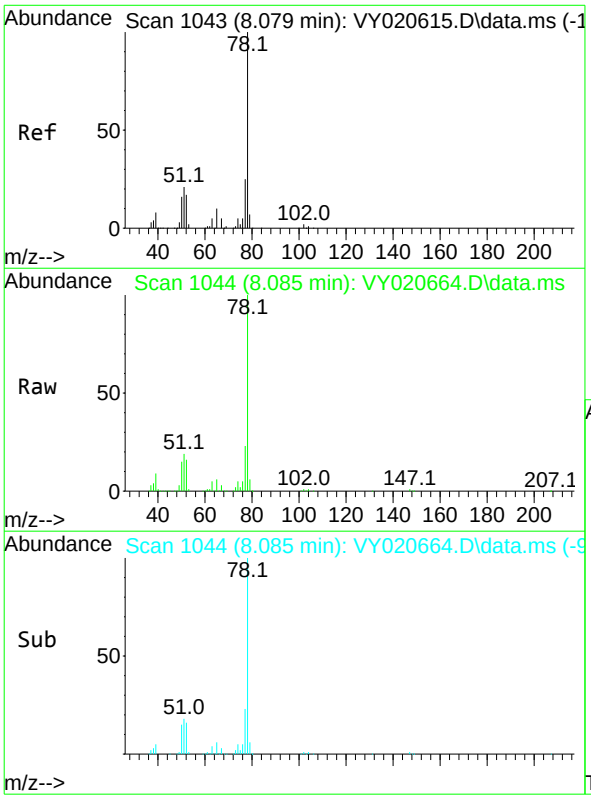
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

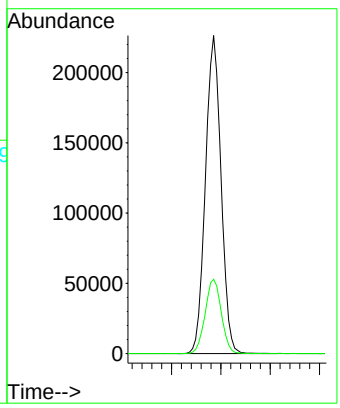


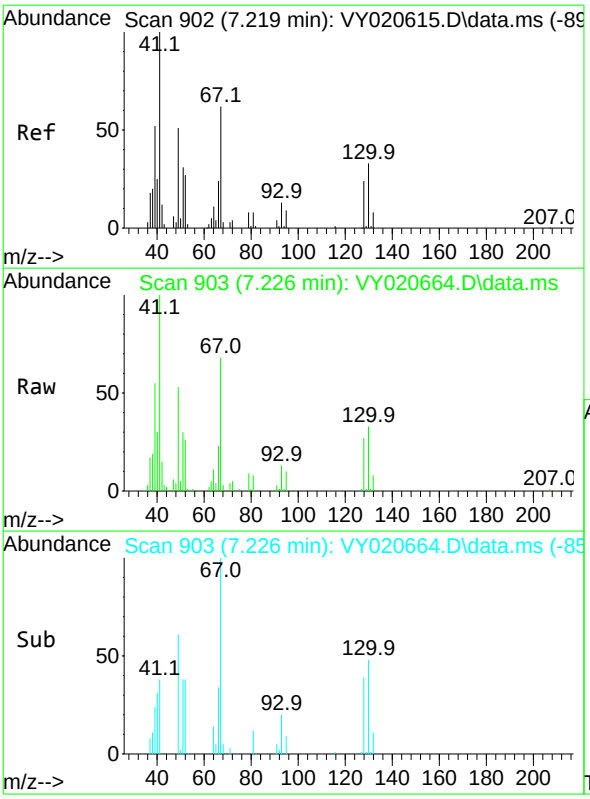


#40
Benzene
Concen: 54.799 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 78 Resp: 496803

Ion	Ratio	Lower	Upper
78	100		
77	23.3	20.1	30.1

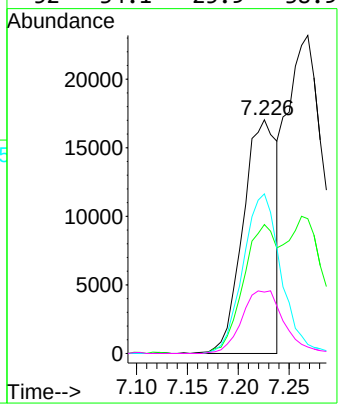




#41
Methacrylonitrile
Concen: 50.789 ug/l
RT: 7.226 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 41 Resp: 39064

Ion	Ratio	Lower	Upper
41	100		
39	53.9	53.6	80.4
67	77.3	62.0	93.0
52	34.1	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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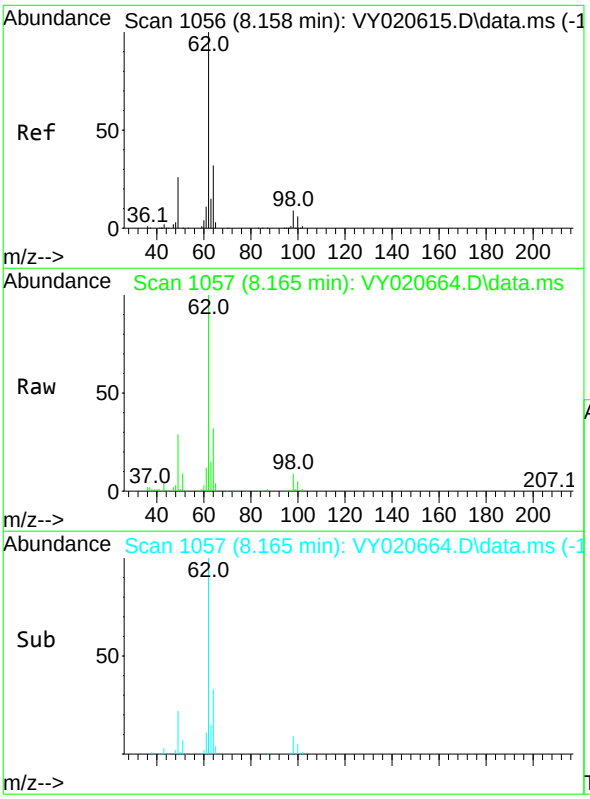
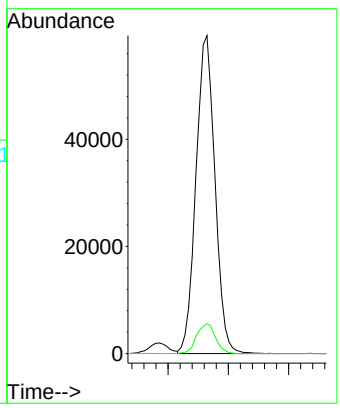
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

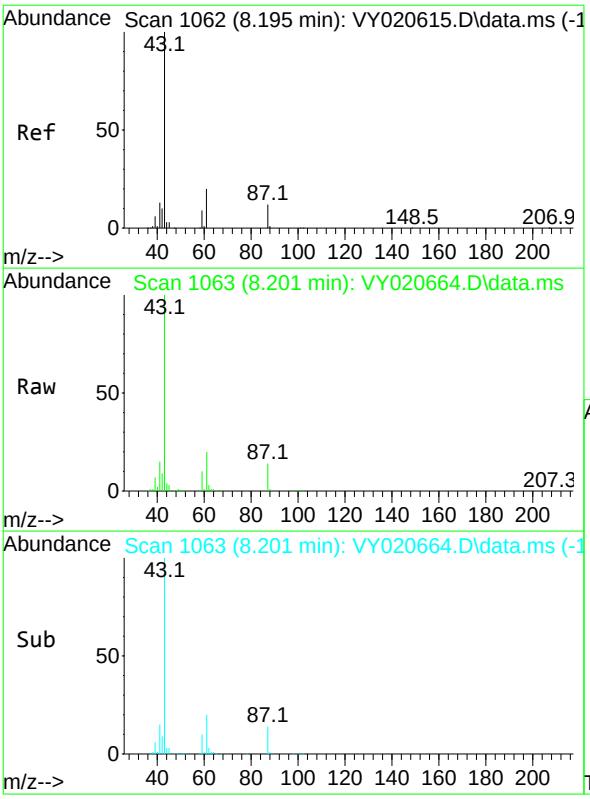


#42
1,2-Dichloroethane
Concen: 53.978 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 62 Resp: 129790

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.0

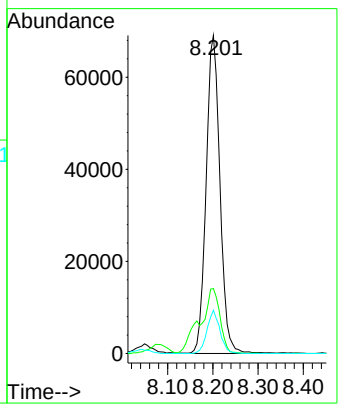




#43
Isopropyl Acetate
Concen: 53.344 ug/l
RT: 8.201 min Scan# 10
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 43 Resp: 146927

Ion	Ratio	Lower	Upper
43	100		
61	21.5	23.8	35.6#
87	12.6	10.2	15.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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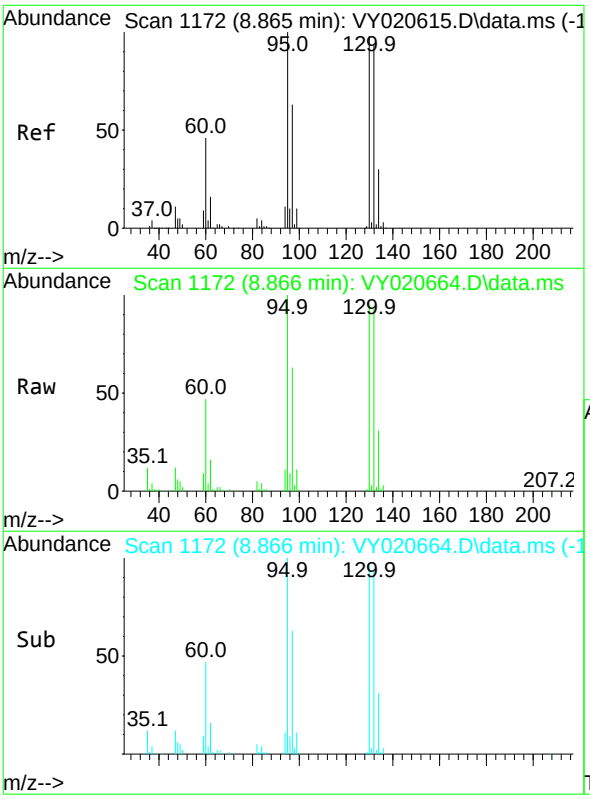
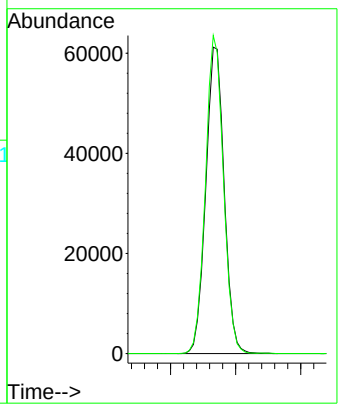
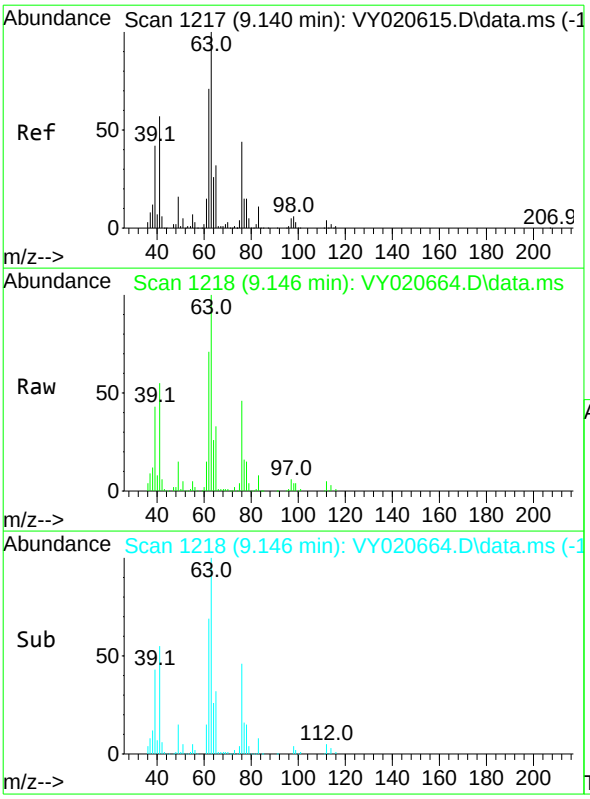


#44
Trichloroethene
Concen: 53.915 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:130 Resp: 120106

Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	203.2





#45
1,2-Dichloropropane
Concen: 54.113 ug/l
RT: 9.146 min Scan# 12
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 63 Resp: 114657

Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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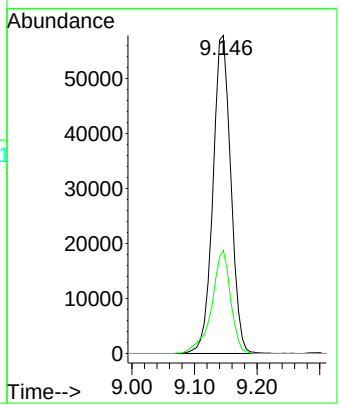
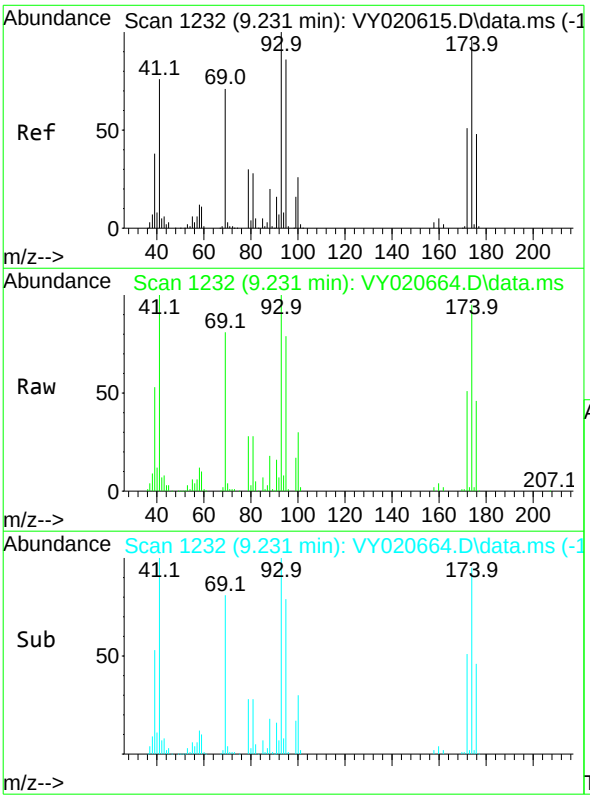
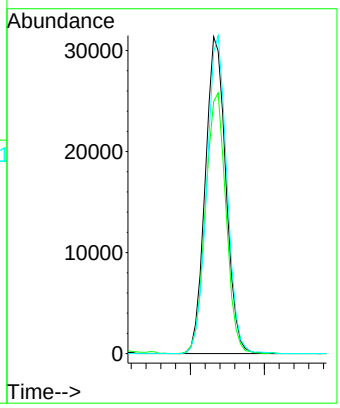


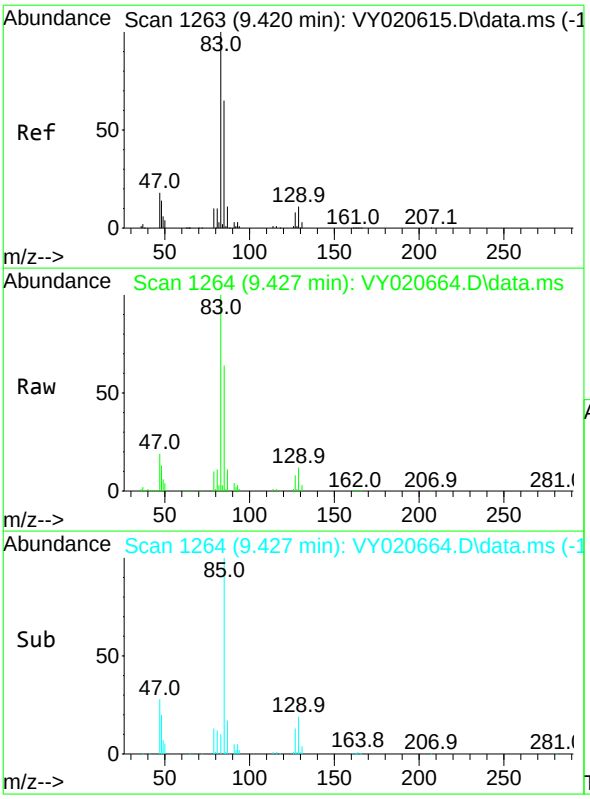


#46
Dibromomethane
Concen: 54.086 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 93 Resp: 60564

Ion	Ratio	Lower	Upper
93	100		
95	81.9	66.7	100.1
174	97.9	77.8	116.6

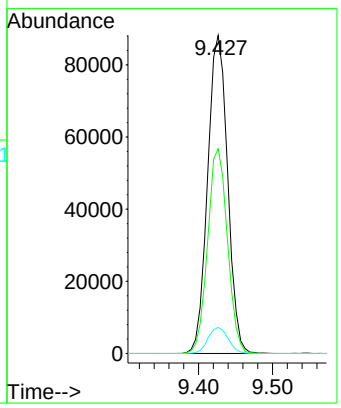




#47
Bromodichloromethane
Concen: 54.644 ug/l
RT: 9.427 min Scan# 12
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 83 Resp: 165285

Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.1	78.1
127	8.2	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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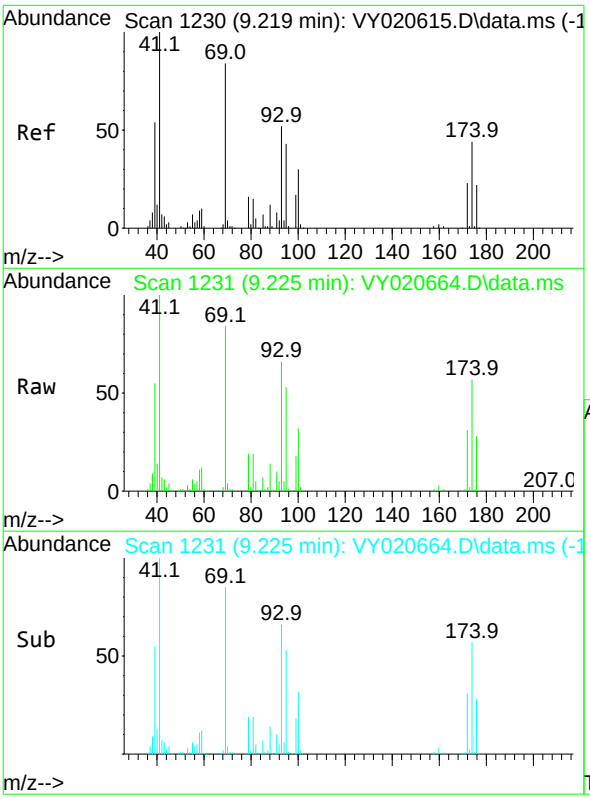
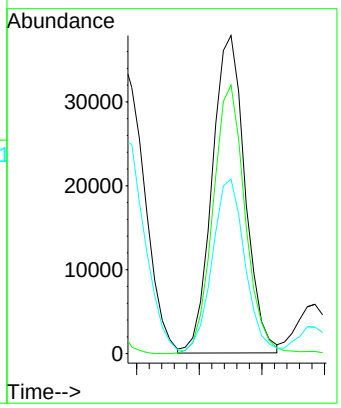
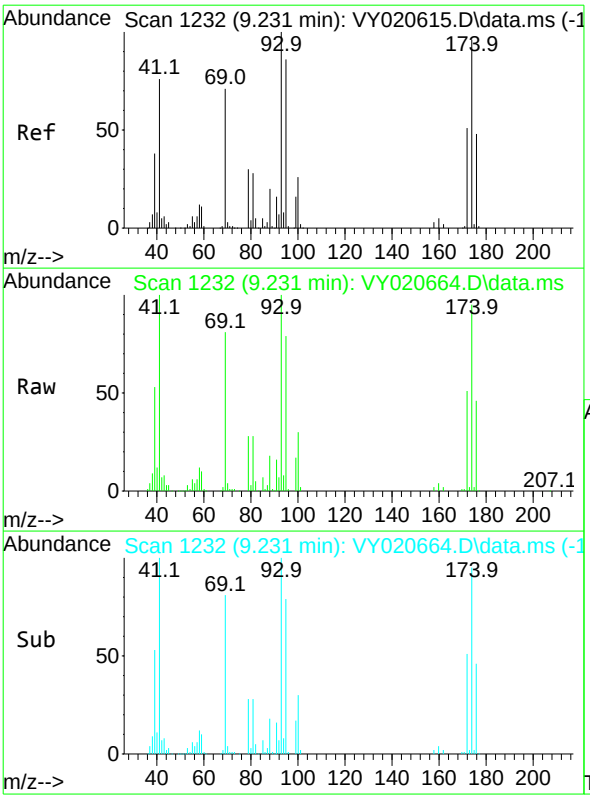


#48
Methyl methacrylate
Concen: 52.772 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 41 Resp: 69098

Ion	Ratio	Lower	Upper
41	100		
69	82.9	67.2	100.8
39	52.7	42.2	63.4





#49
1,4-Dioxane
Concen: 981.949 ug/l
RT: 9.231 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 88 Resp: 12610

Ion	Ratio	Lower	Upper
88	100		
43	35.8	27.6	41.4
58	73.7	61.7	92.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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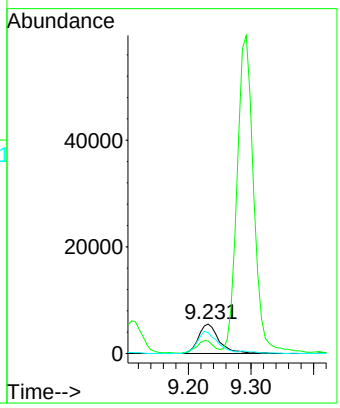
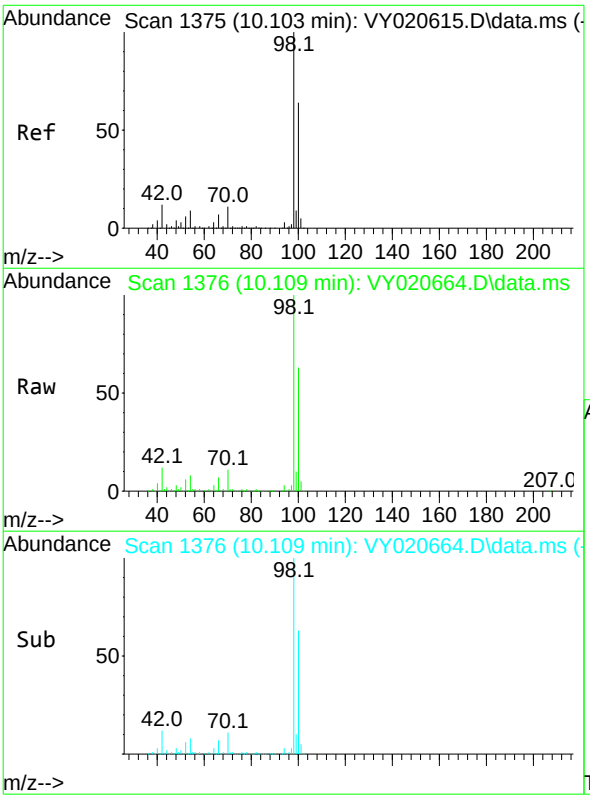
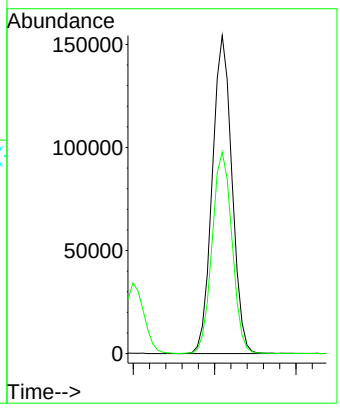


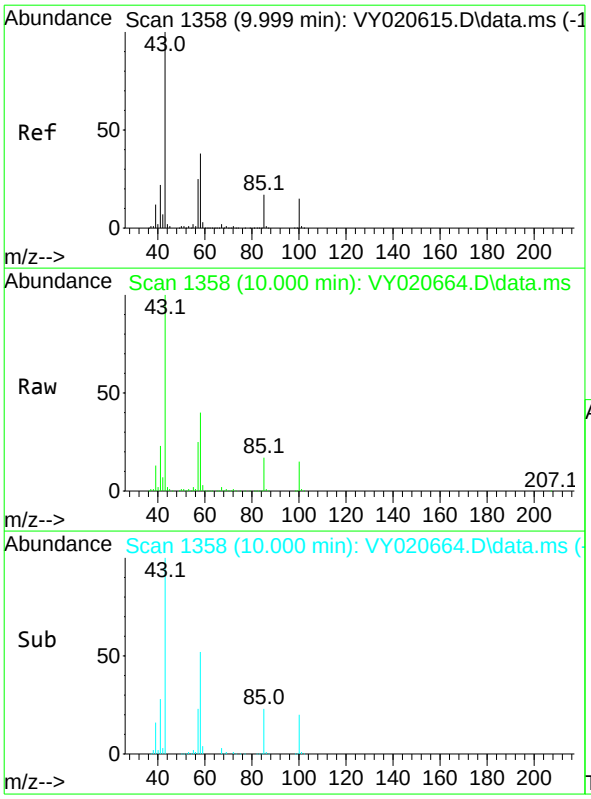


#50
Toluene-d8
Concen: 43.661 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 98 Resp: 259216

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.1	78.1

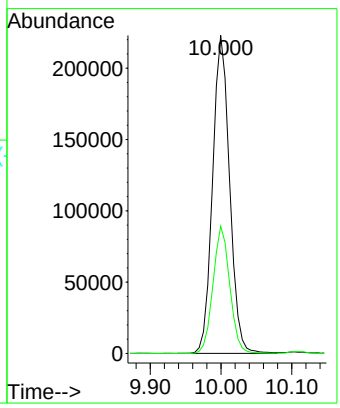




#51
4-Methyl-2-Pentanone
Concen: 256.228 ug/l
RT: 10.000 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 43 Resp: 372513

Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.4	47.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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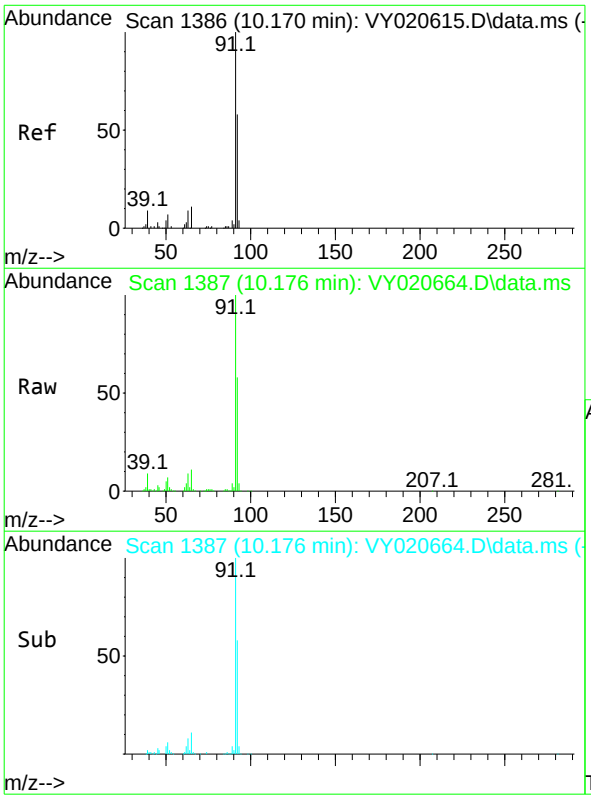
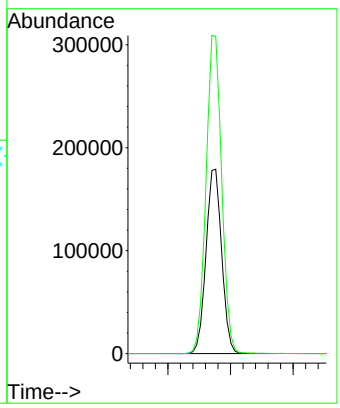
Supervised By :Mahesh Dadoda 12/24/2024

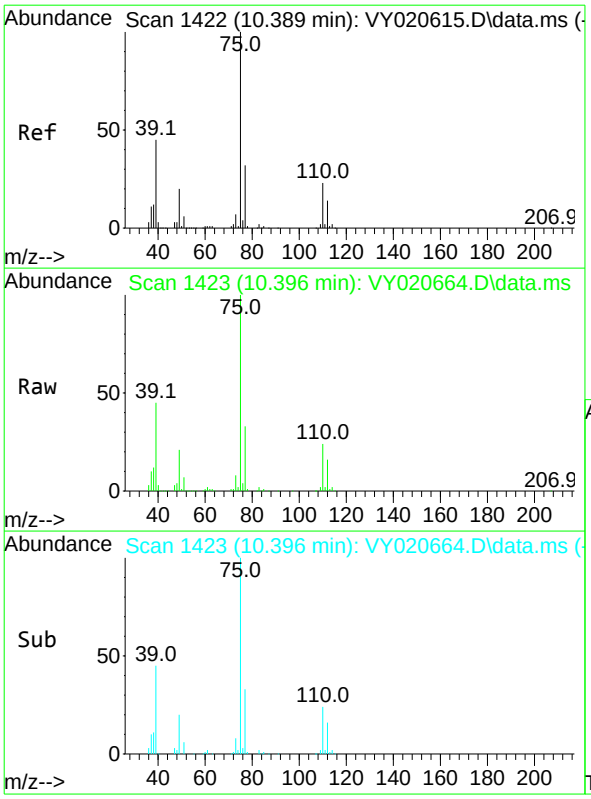


#52
Toluene
Concen: 55.159 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 92 Resp: 310772

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.4	206.0

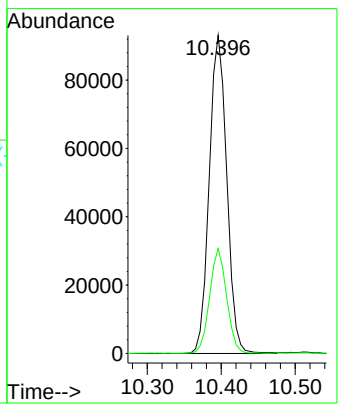




#53
t-1,3-Dichloropropene
Concen: 54.306 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 75 Resp: 153061

Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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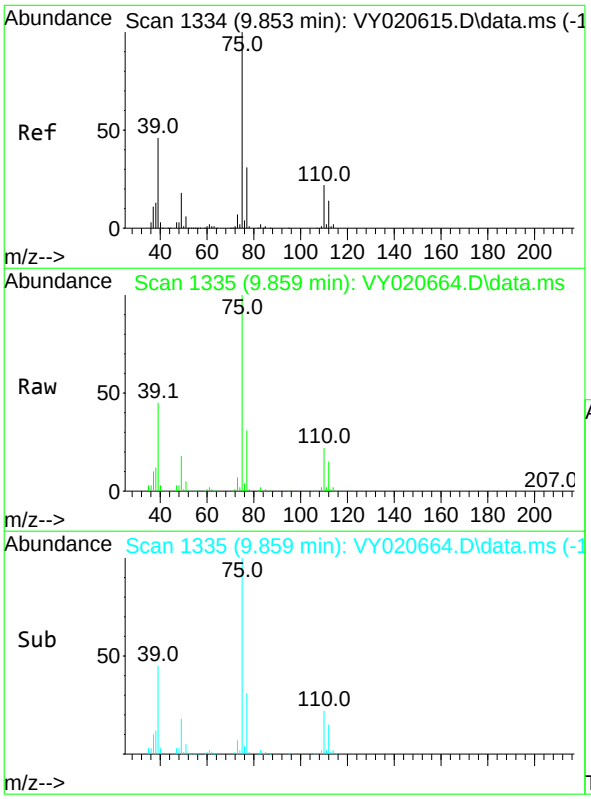
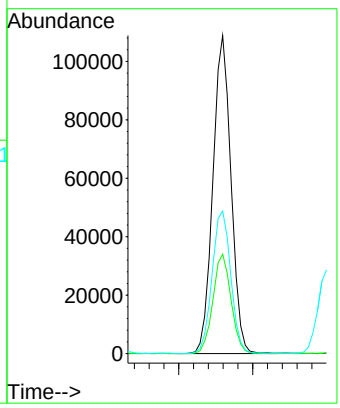
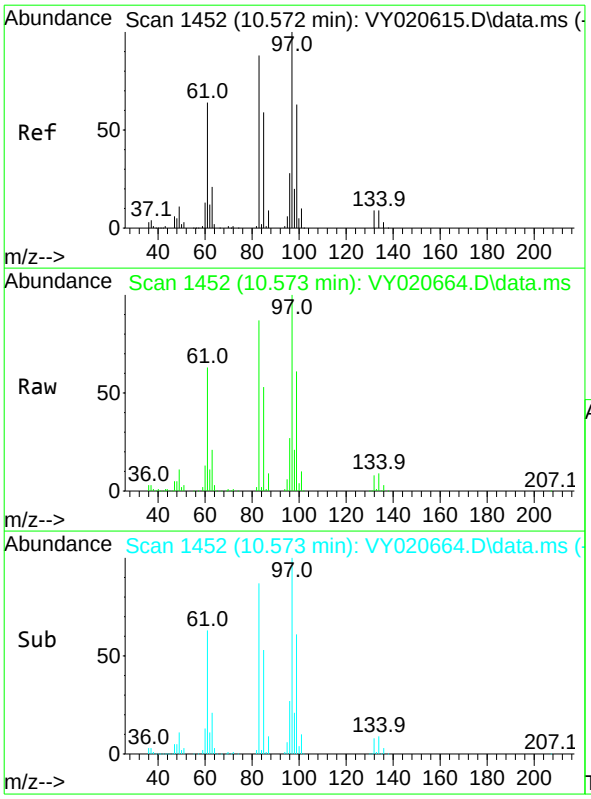


#54
cis-1,3-Dichloropropene
Concen: 55.407 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 75 Resp: 185052

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.6	36.8
39	44.8	36.4	54.6

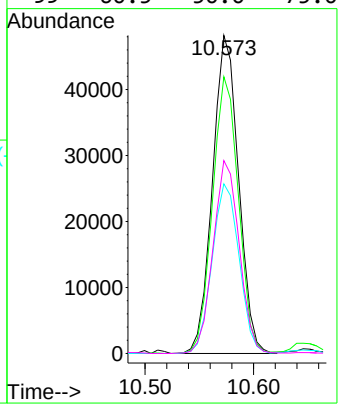




#55
1,1,2-Trichloroethane
Concen: 54.290 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 97 Resp: 80376

Ion	Ratio	Lower	Upper
97	100		
83	86.9	70.4	105.6
85	53.3	47.2	70.8
99	60.5	50.0	75.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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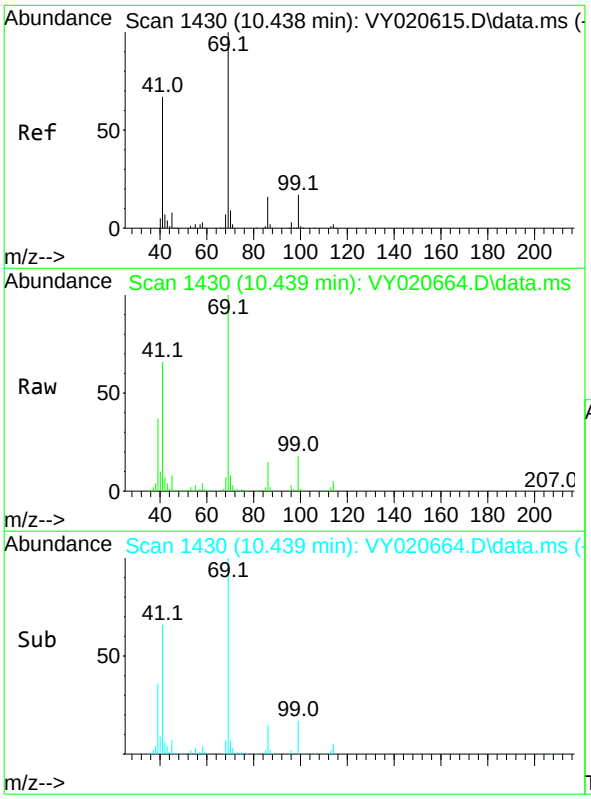
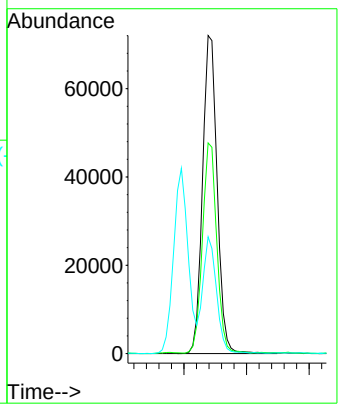
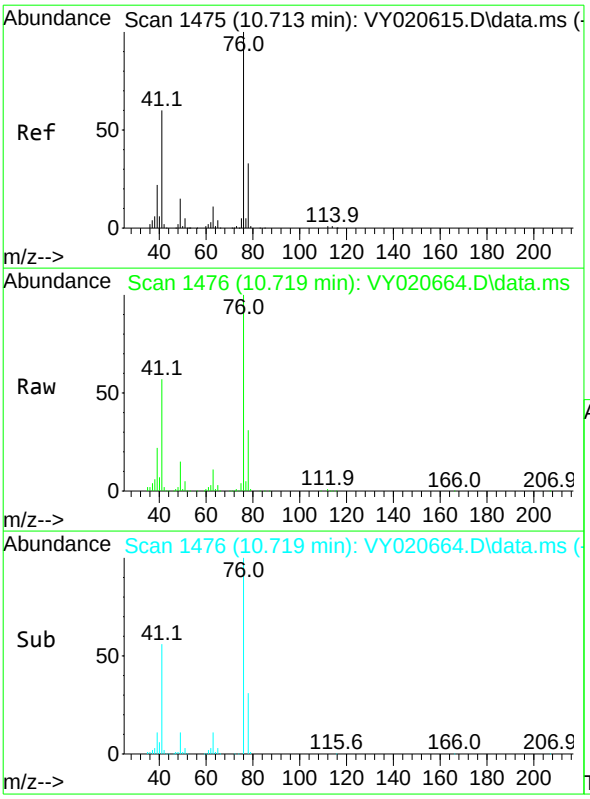


#56
Ethyl methacrylate
Concen: 54.394 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 69 Resp: 116828

Ion	Ratio	Lower	Upper
69	100		
41	64.9	54.0	81.0
39	34.0	27.9	41.9

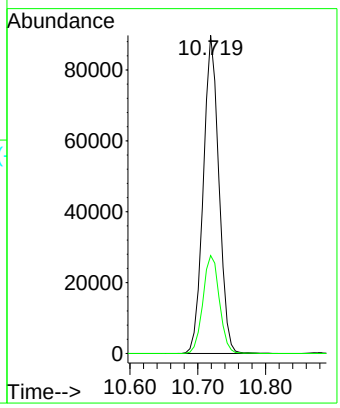




#57
1,3-Dichloropropane
Concen: 54.257 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 76 Resp: 143193

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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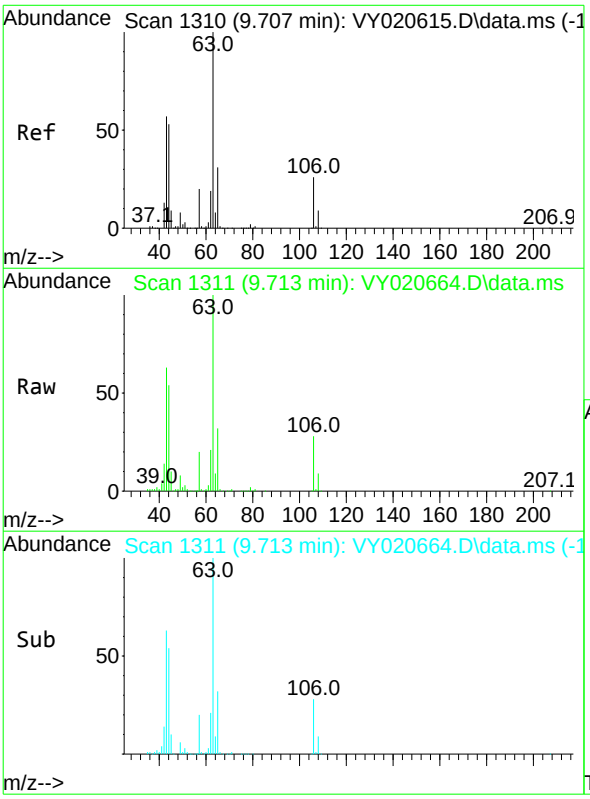
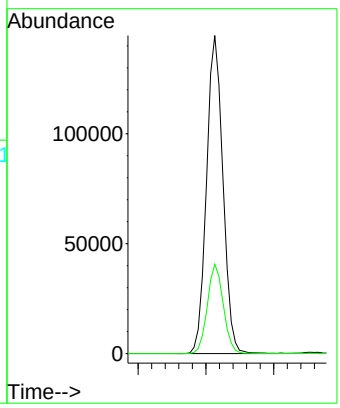
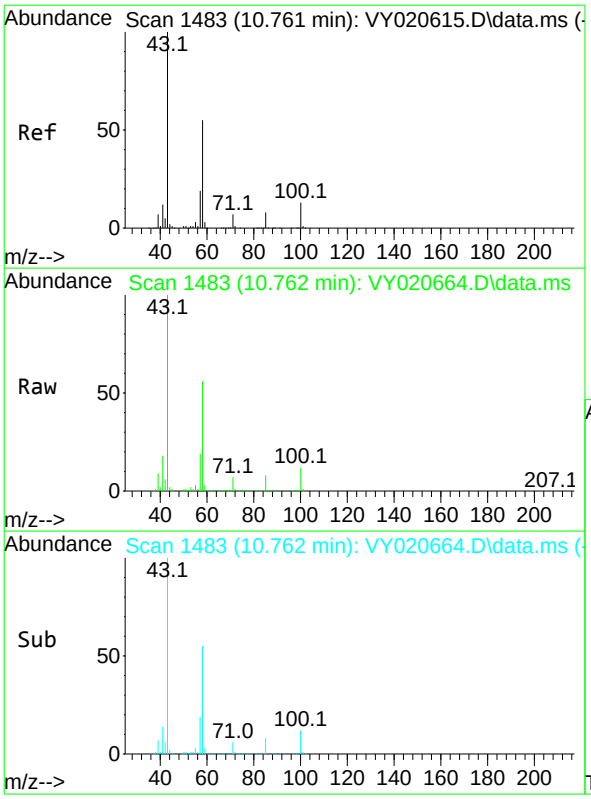


#58
2-Chloroethyl Vinyl ether
Concen: 268.265 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 63 Resp: 242438

Ion	Ratio	Lower	Upper
63	100		
106	27.3	21.5	32.3





#59
2-Hexanone
Concen: 263.689 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 43 Resp: 246134

Ion	Ratio	Lower	Upper
43	100		
58	54.7	27.2	81.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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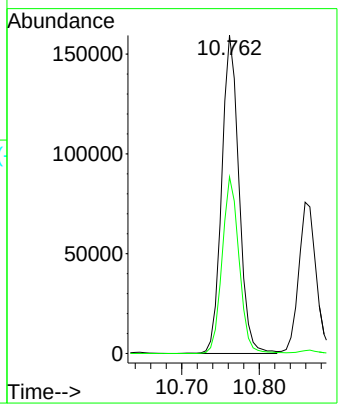
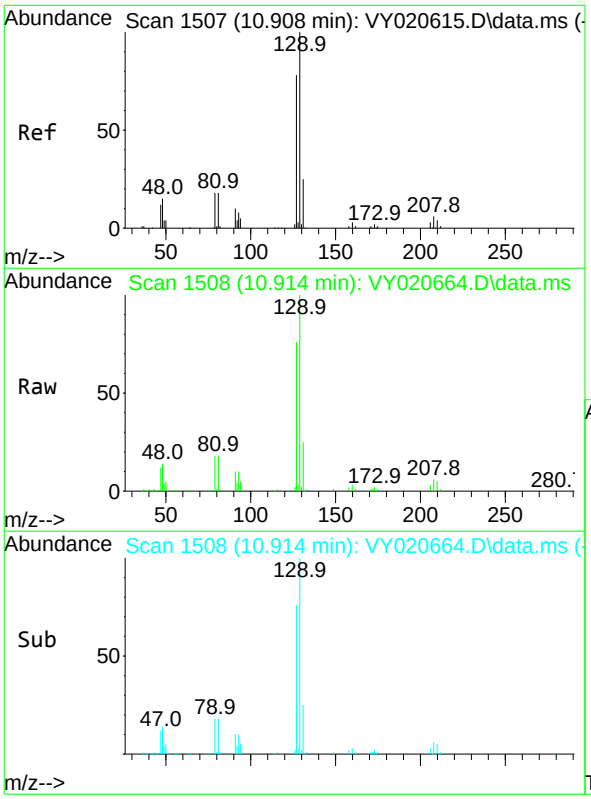
Supervised By :Mahesh Dadoda 12/24/2024

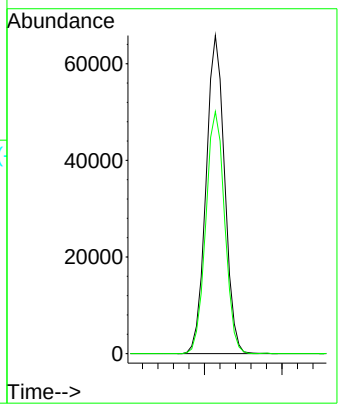


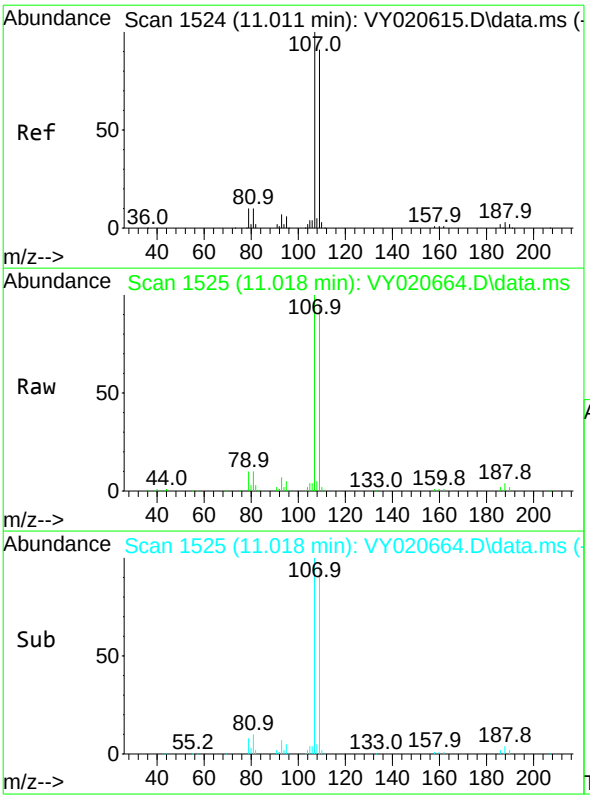


#60
Dibromochloromethane
Concen: 55.226 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:129 Resp: 109346

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.1	114.3

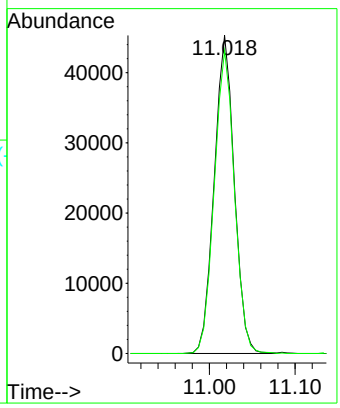




#61
1,2-Dibromoethane
Concen: 53.496 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:107 Resp: 73670

Ion	Ratio	Lower	Upper
107	100		
109	96.0	75.4	113.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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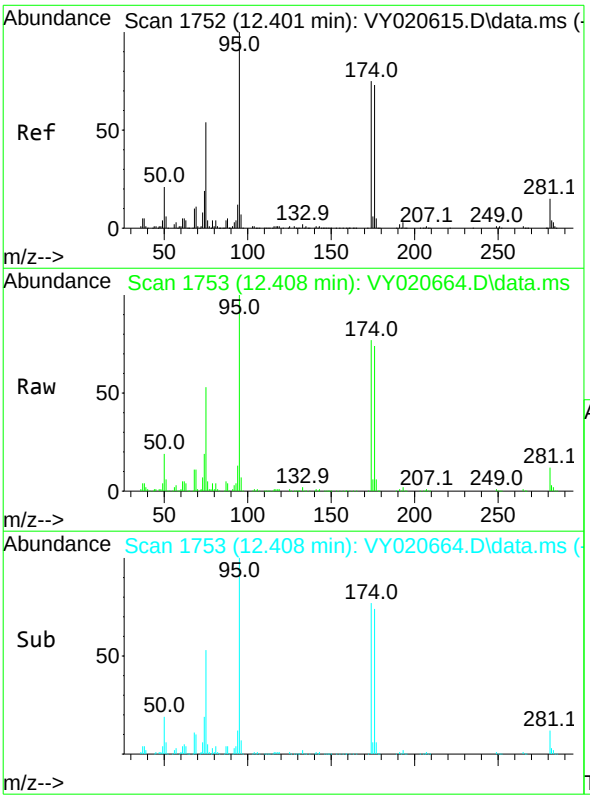
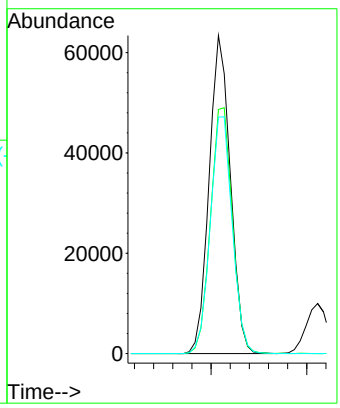
Supervised By :Mahesh Dadoda 12/24/2024

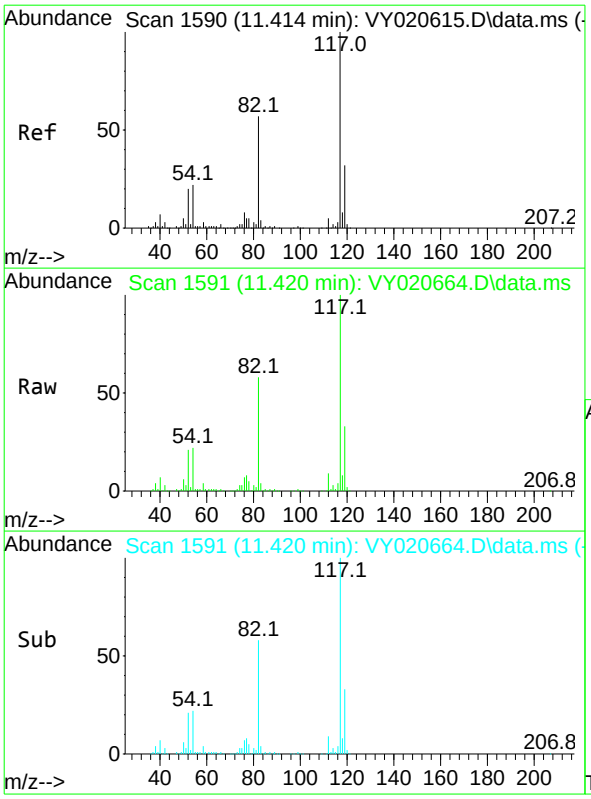


#62
4-Bromofluorobenzene
Concen: 42.036 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 95 Resp: 97623

Ion	Ratio	Lower	Upper
95	100		
174	79.5	0.0	161.8
176	77.0	0.0	156.6

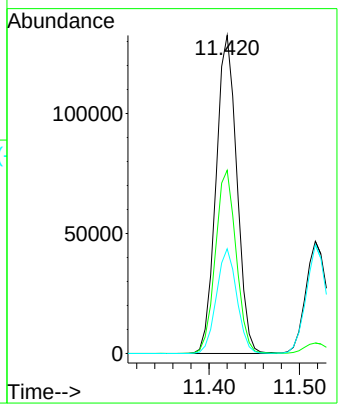




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:117 Resp: 212145

Ion	Ratio	Lower	Upper
117	100		
82	57.6	45.8	68.6
119	32.9	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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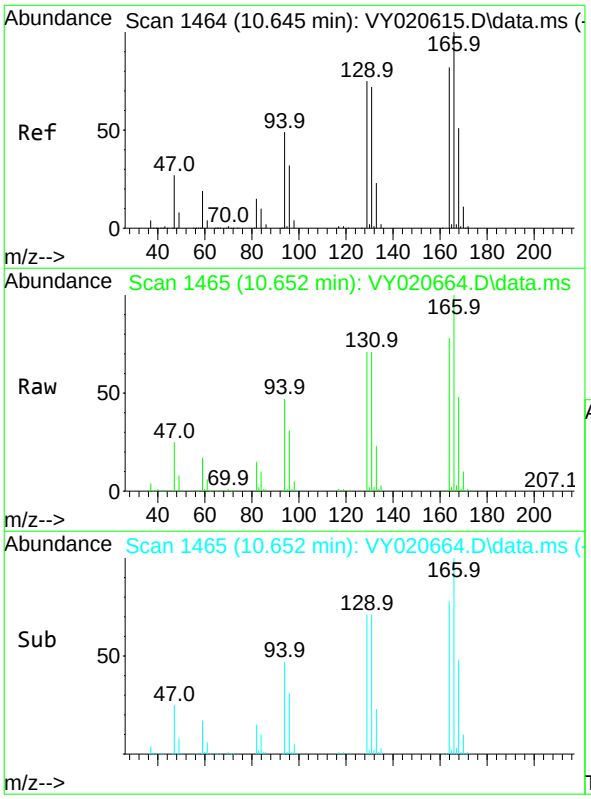
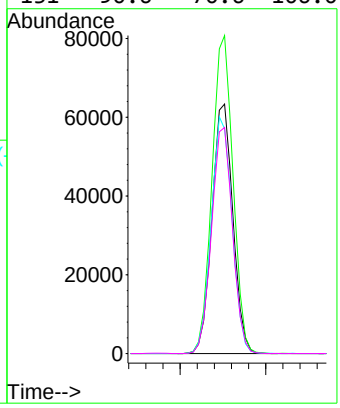
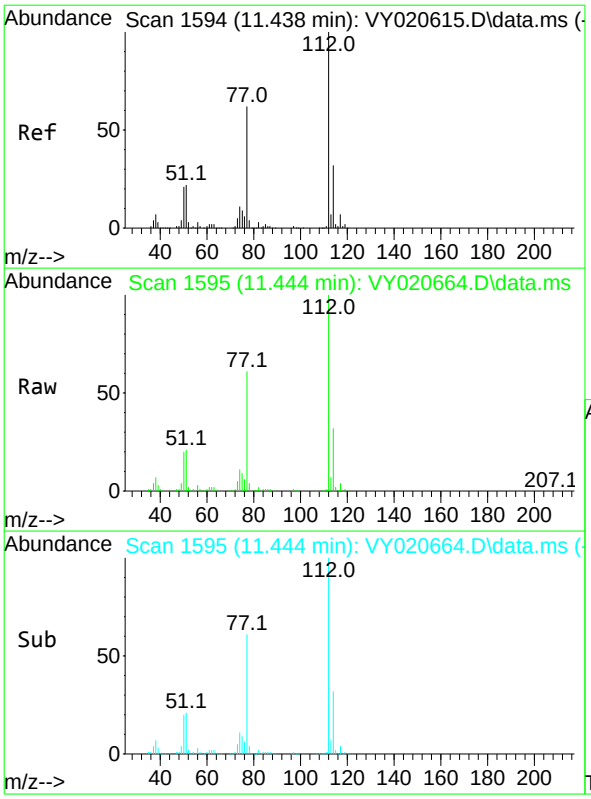


#64
Tetrachloroethene
Concen: 53.958 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:164 Resp: 107671

Ion	Ratio	Lower	Upper
164	100		
166	127.4	97.9	146.9
129	90.1	73.4	110.0
131	90.6	70.6	106.0





#65
Chlorobenzene
Concen: 54.474 ug/l
RT: 11.444 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:112 Resp: 323124

Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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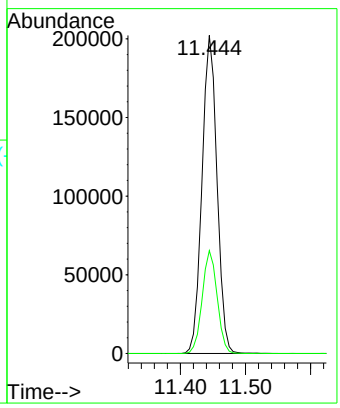
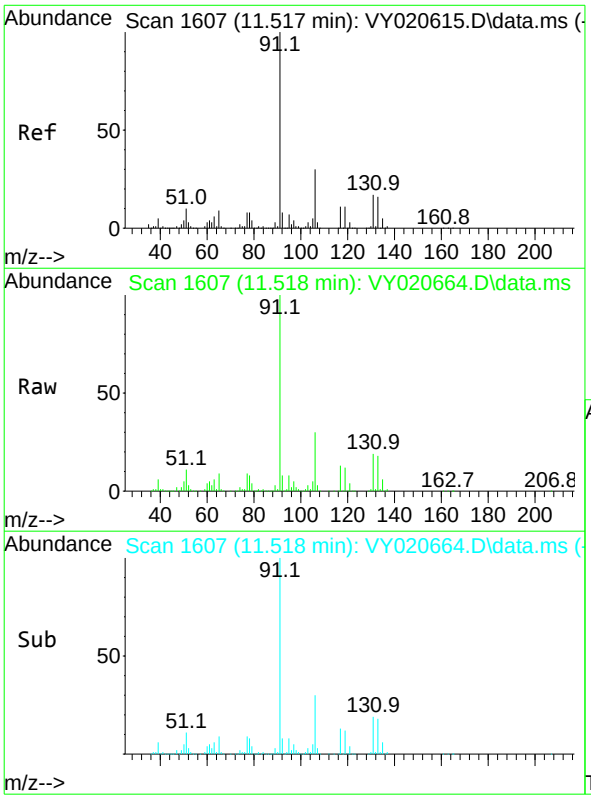
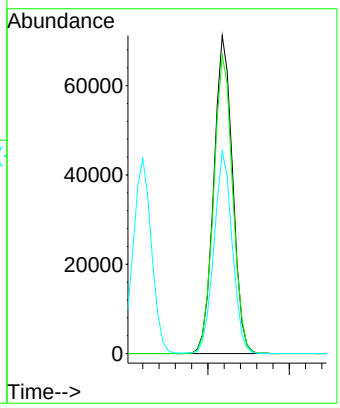


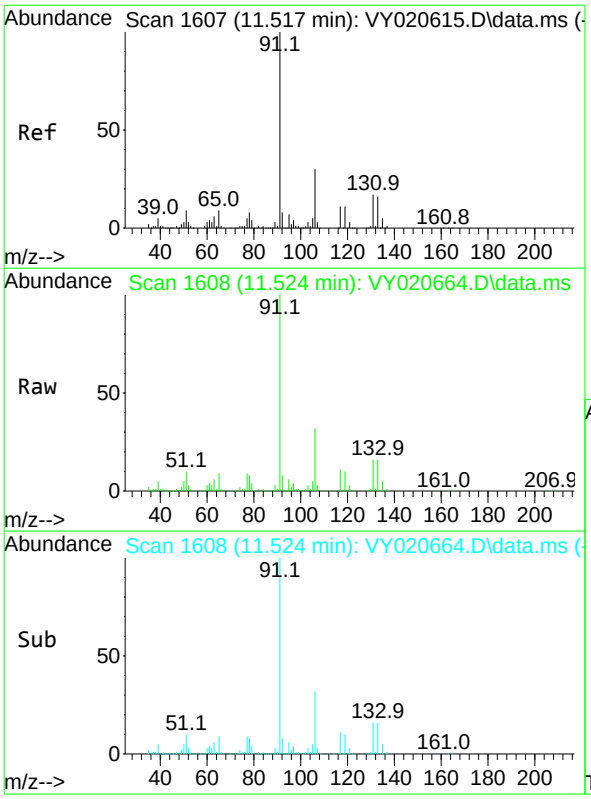


#66
1,1,1,2-Tetrachloroethane
Concen: 56.252 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:131 Resp: 114100

Ion	Ratio	Lower	Upper
131	100		
133	94.9	46.8	140.3
119	62.2	31.8	95.3

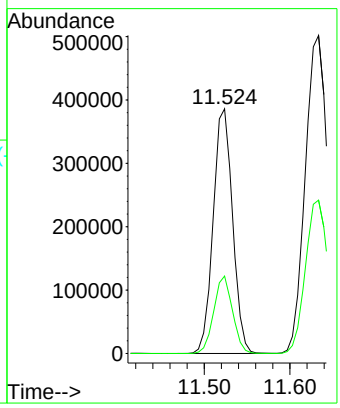




#67
Ethyl Benzene
Concen: 55.519 ug/l
RT: 11.524 min Scan# 16
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 91 Resp: 607565

Ion	Ratio	Lower	Upper
91	100		
106	31.6	23.9	35.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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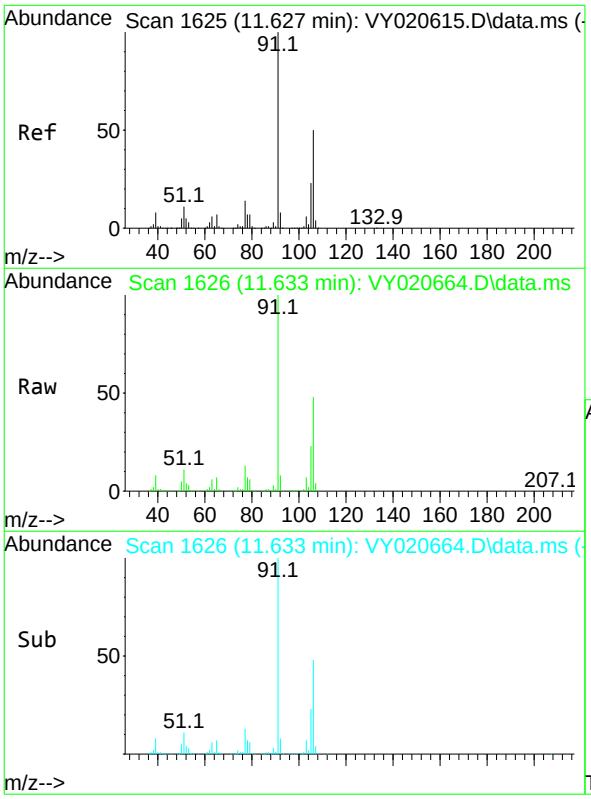
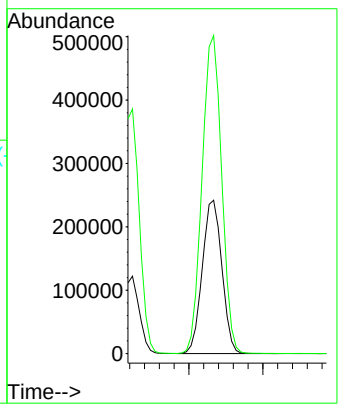
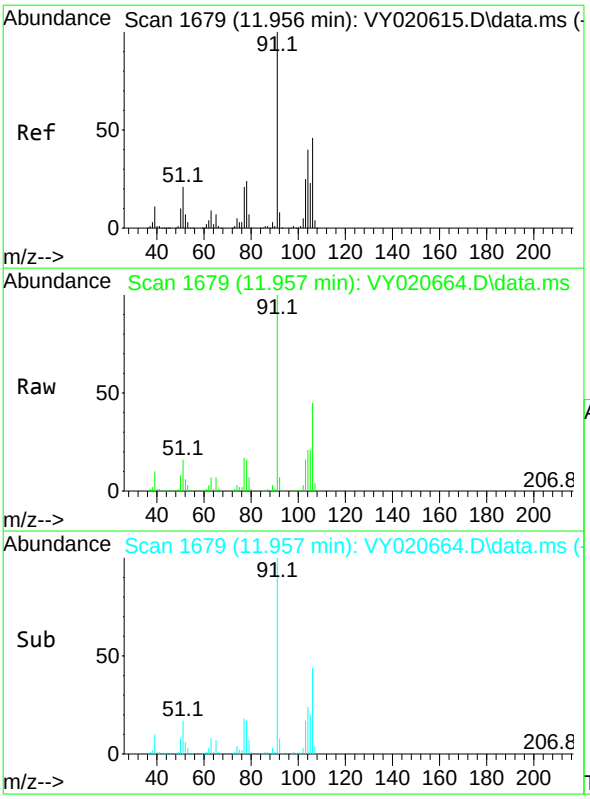


#68
m/p-Xylenes
Concen: 109.344 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:106 Resp: 444911

Ion	Ratio	Lower	Upper
106	100		
91	207.2	165.0	247.4





#69
o-Xylene
Concen: 54.792 ug/l
RT: 11.957 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:106 Resp: 208015

Ion	Ratio	Lower	Upper
106	100		
91	221.2	108.4	325.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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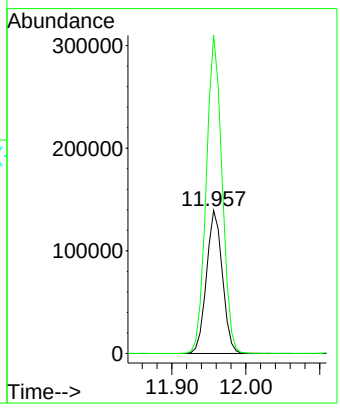
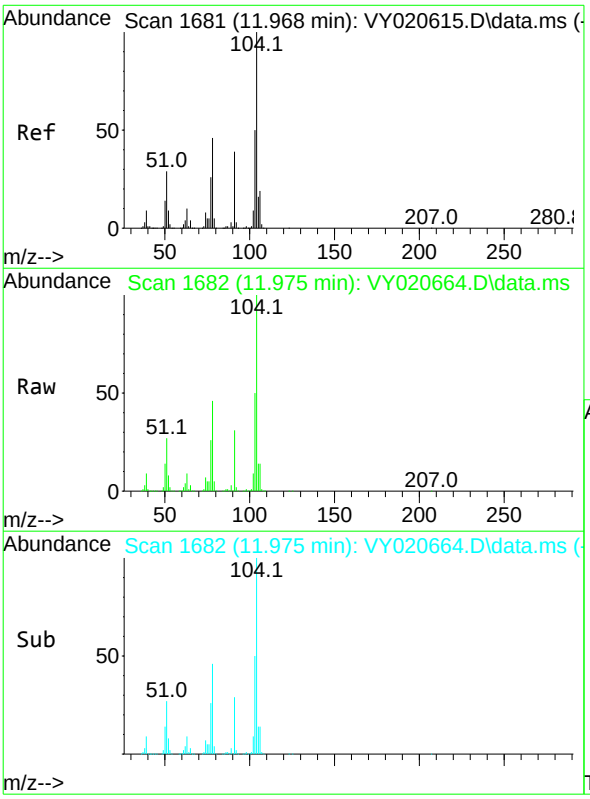
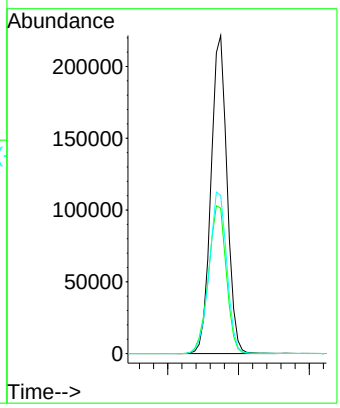


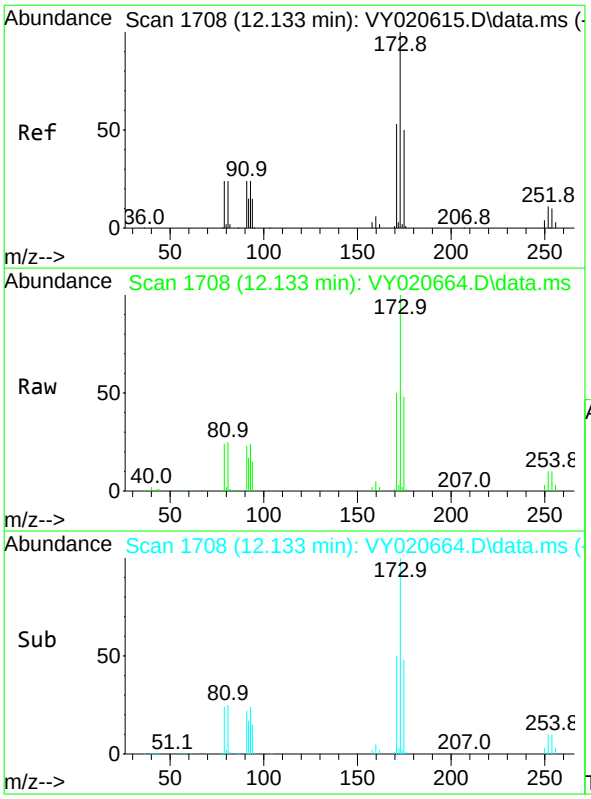


#70
Styrene
Concen: 55.127 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:104 Resp: 349665

Ion	Ratio	Lower	Upper
104	100		
78	51.8	41.6	62.4
103	55.6	43.7	65.5





#71
Bromoform
Concen: 55.908 ug/l
RT: 12.133 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 63758

Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.6	74.0
254	0.0	0.0	0.0

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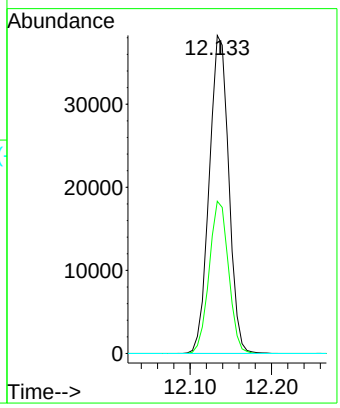
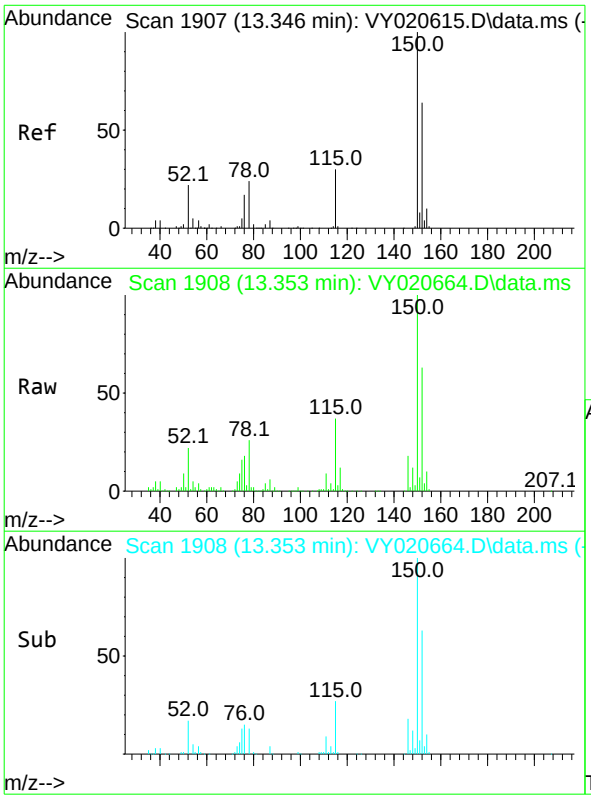
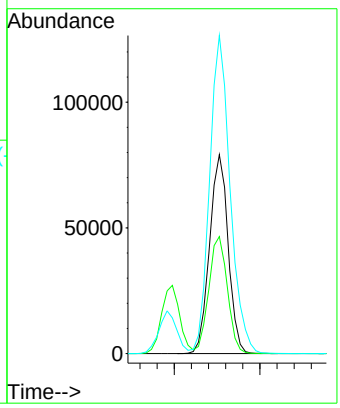


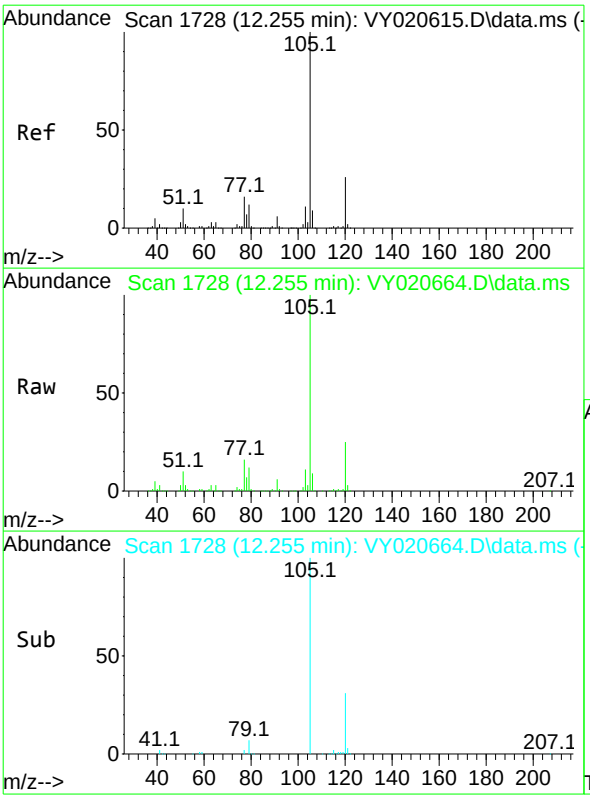


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:152 Resp: 119359

Ion	Ratio	Lower	Upper
152	100		
115	58.9	30.2	90.6
150	176.8	0.0	355.4

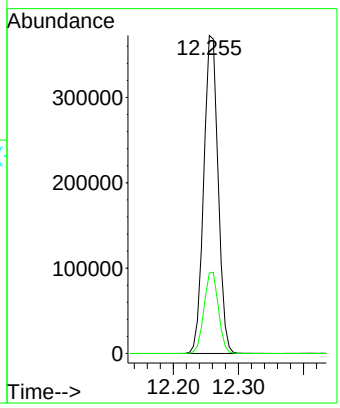




#73
Isopropylbenzene
Concen: 54.823 ug/l
RT: 12.255 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:105 Resp: 571028

Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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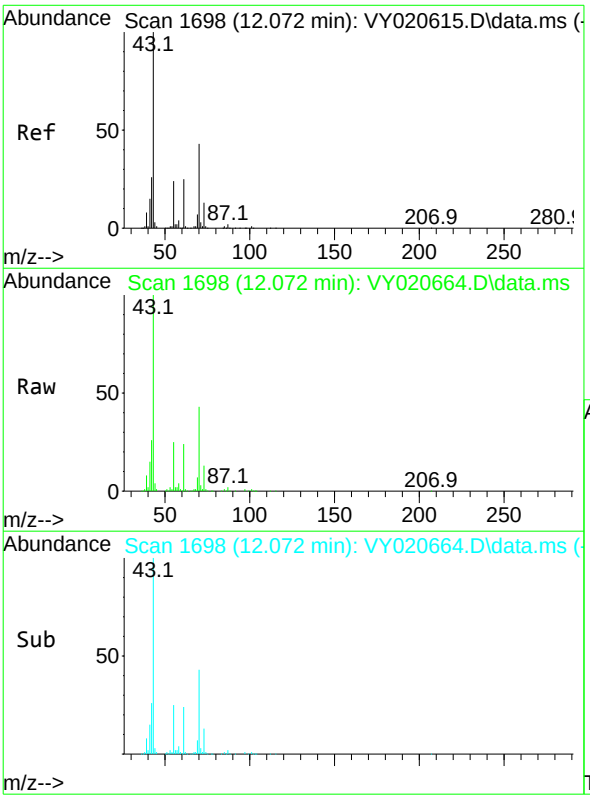
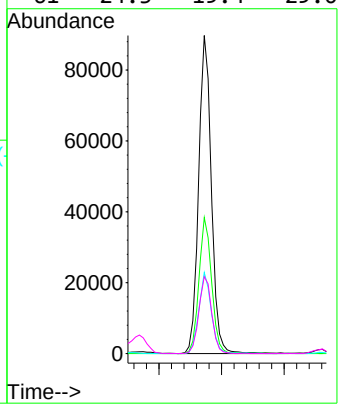
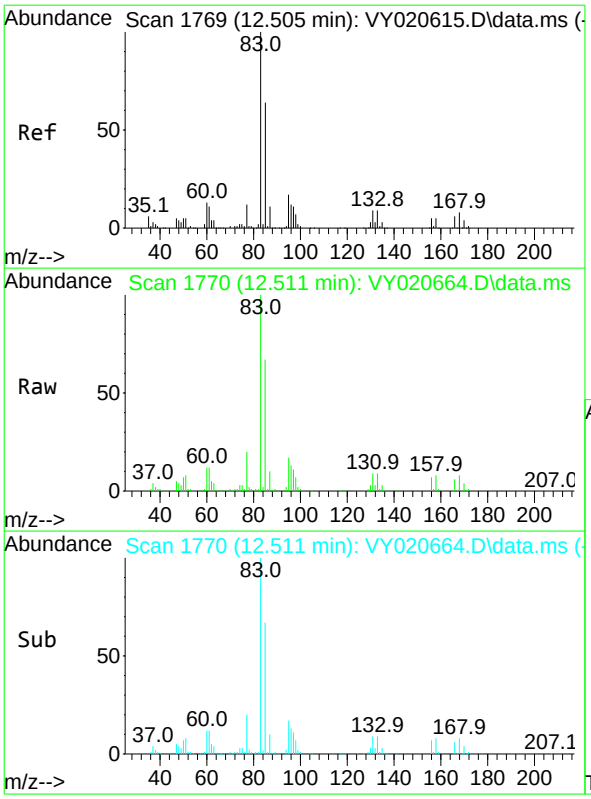


#74
N-amyl acetate
Concen: 52.048 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 43 Resp: 126874

Ion	Ratio	Lower	Upper
43	100		
70	42.4	34.2	51.2
55	24.9	19.6	29.4
61	24.3	19.4	29.0





#75
1,1,2,2-Tetrachloroethane
Concen: 53.553 ug/l
RT: 12.511 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 83 Resp: 90544

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.2	15.6
85	66.2	32.5	97.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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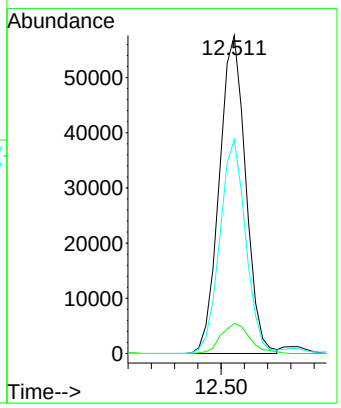
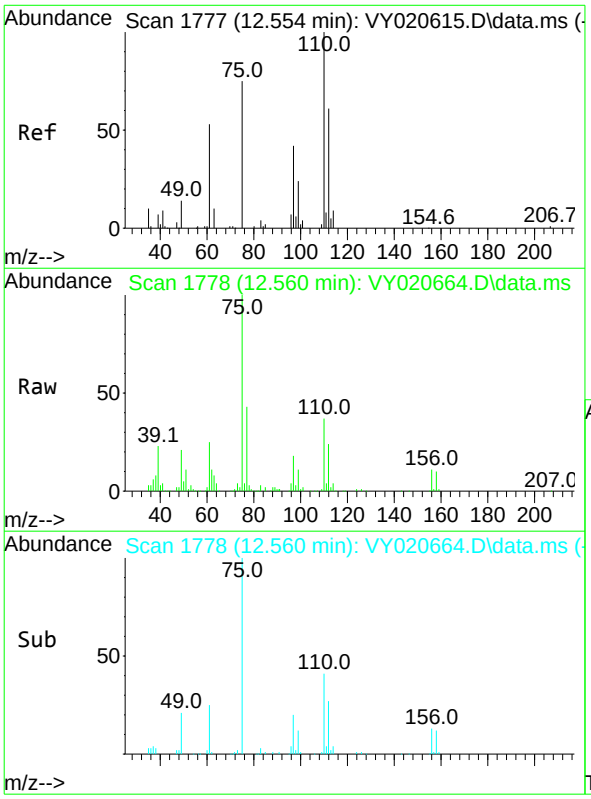
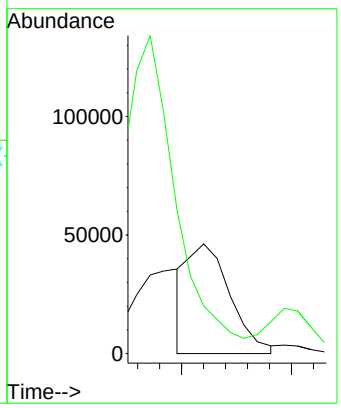


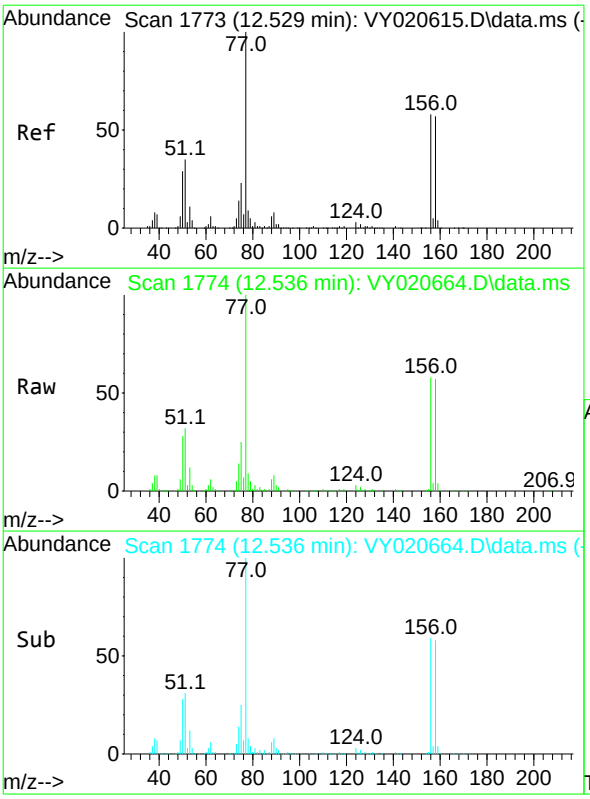


#76
1,2,3-Trichloropropane
Concen: 50.593 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 75 Resp: 62731

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

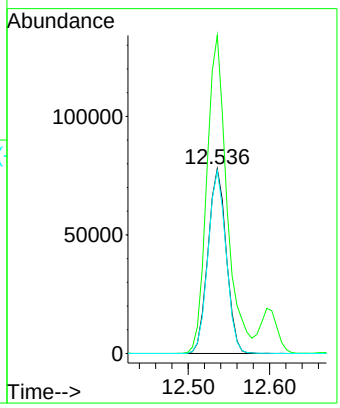




#77
Bromobenzene
Concen: 53.559 ug/l
RT: 12.536 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:156 Resp: 121520

Ion	Ratio	Lower	Upper
156	100		
77	189.5	94.2	282.4
158	97.6	48.9	146.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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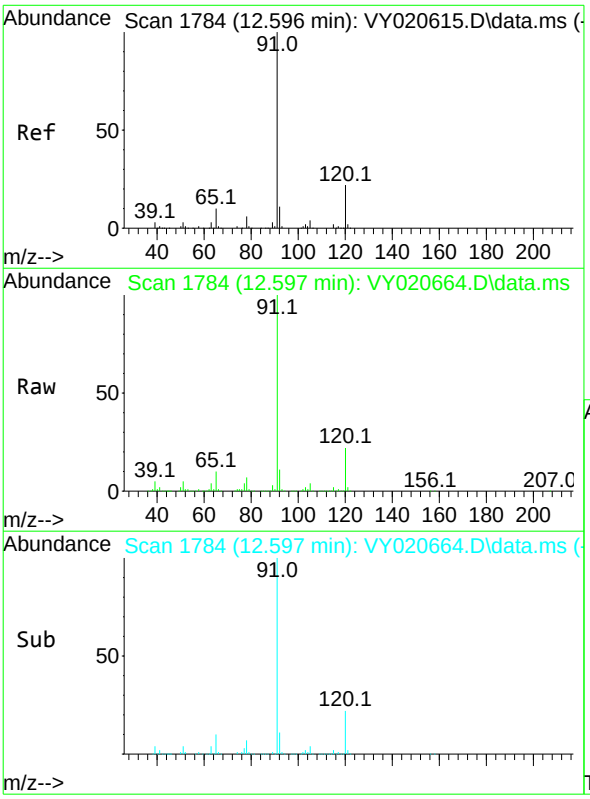
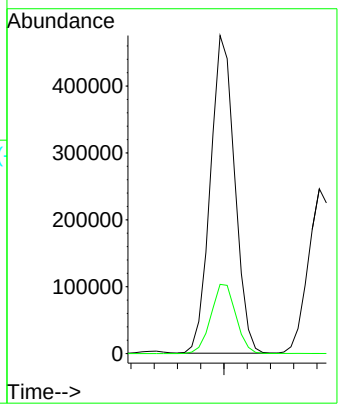
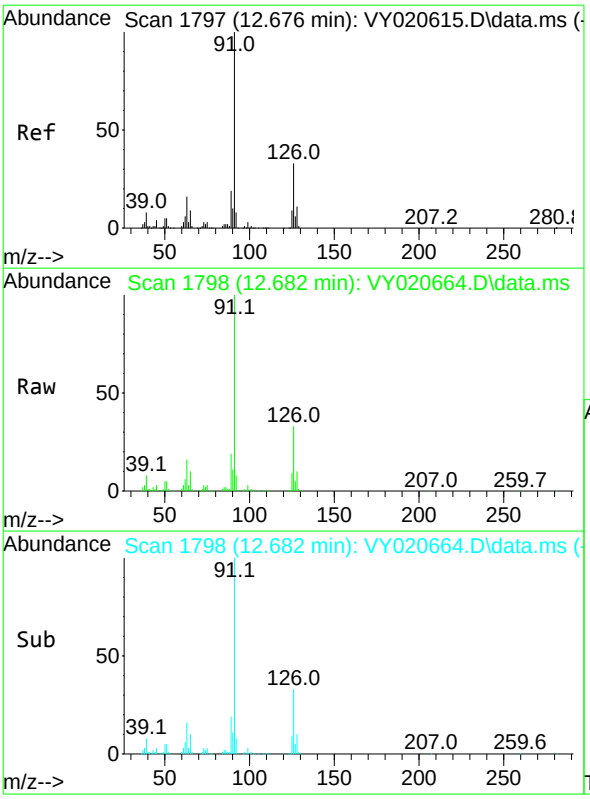


#78
n-propylbenzene
Concen: 55.107 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 91 Resp: 691545

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1

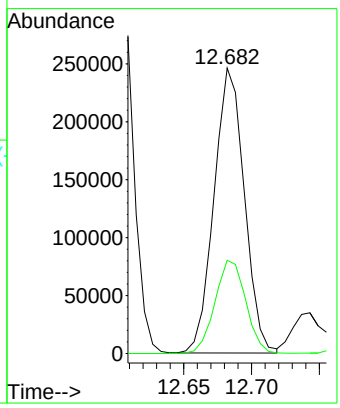




#79
2-Chlorotoluene
Concen: 54.188 ug/l
RT: 12.682 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 91 Resp: 382585

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.6	49.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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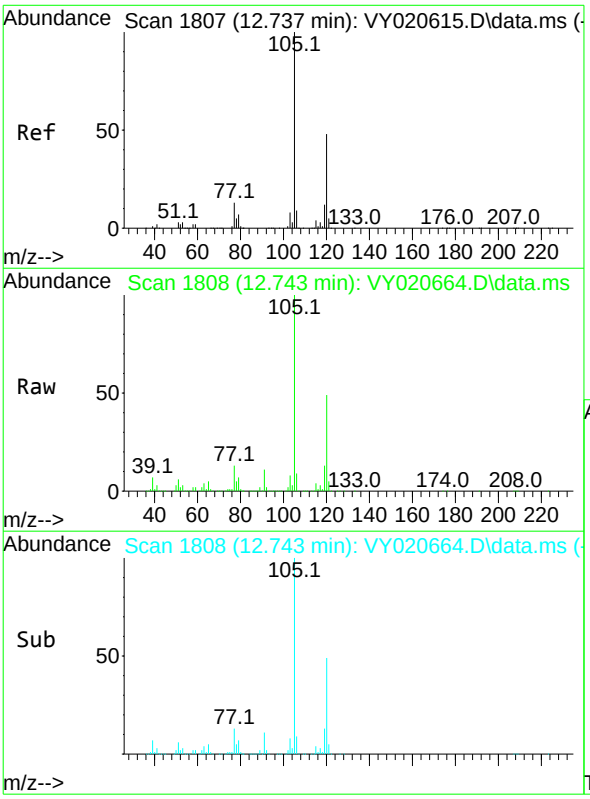
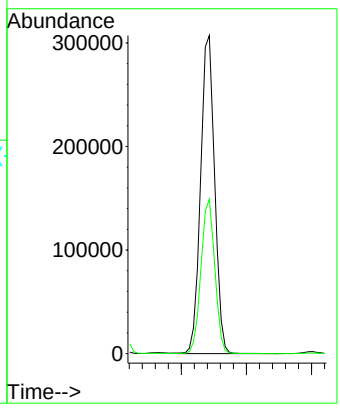
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

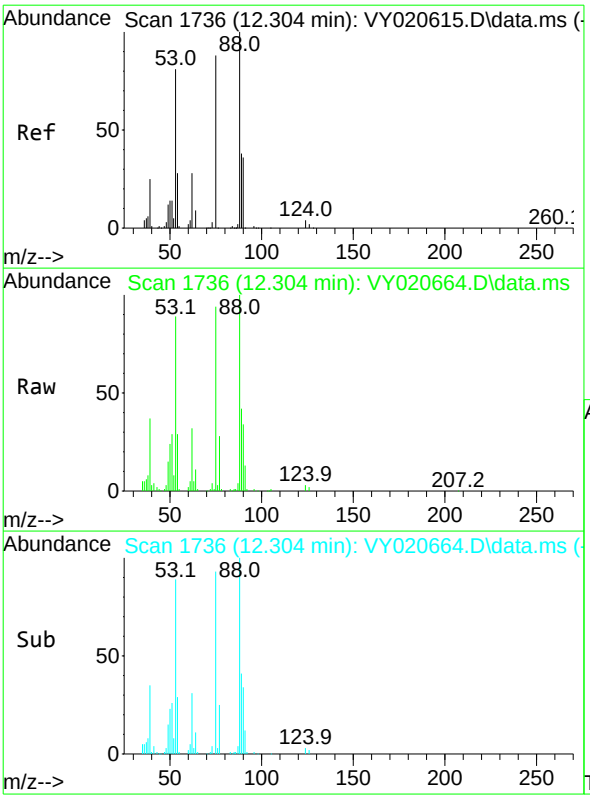


#80
1,3,5-Trimethylbenzene
Concen: 54.473 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:105 Resp: 460381

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 54.979 ug/l
RT: 12.304 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 75 Resp: 32476

Ion	Ratio	Lower	Upper
75	100		
53	93.7	75.4	113.2
89	46.5	37.0	55.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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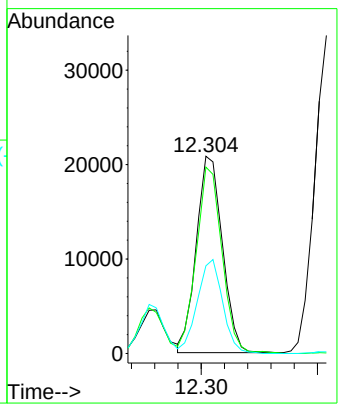
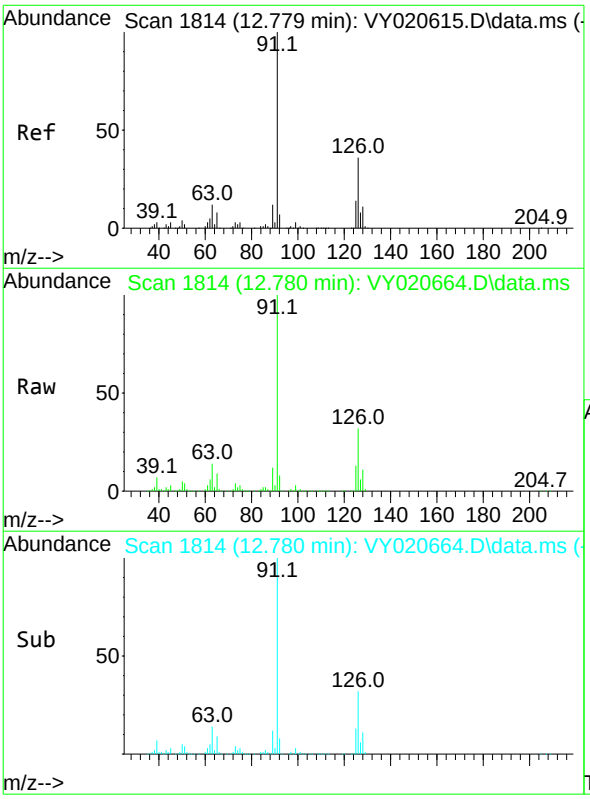
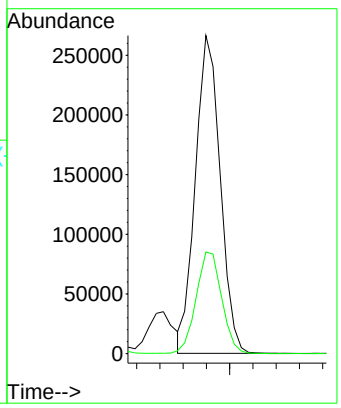


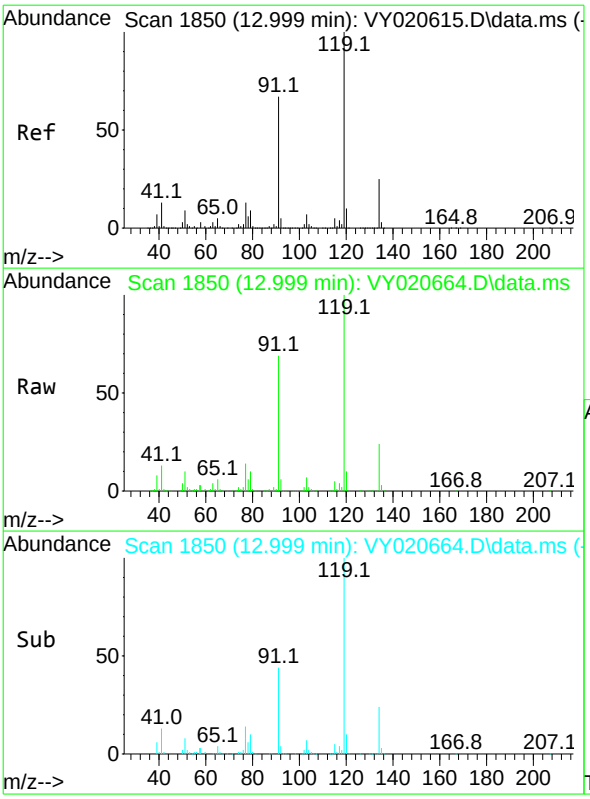


#82
4-Chlorotoluene
Concen: 53.864 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 91 Resp: 394546

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.6	49.7

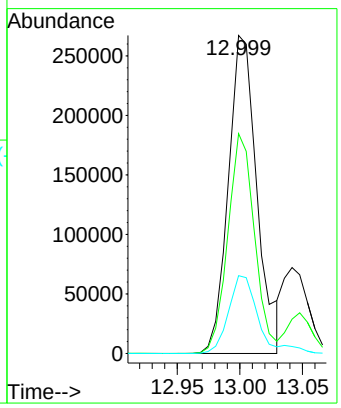




#83
tert-Butylbenzene
Concen: 55.644 ug/l
RT: 12.999 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:119 Resp: 425908

Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.9	98.6
134	25.5	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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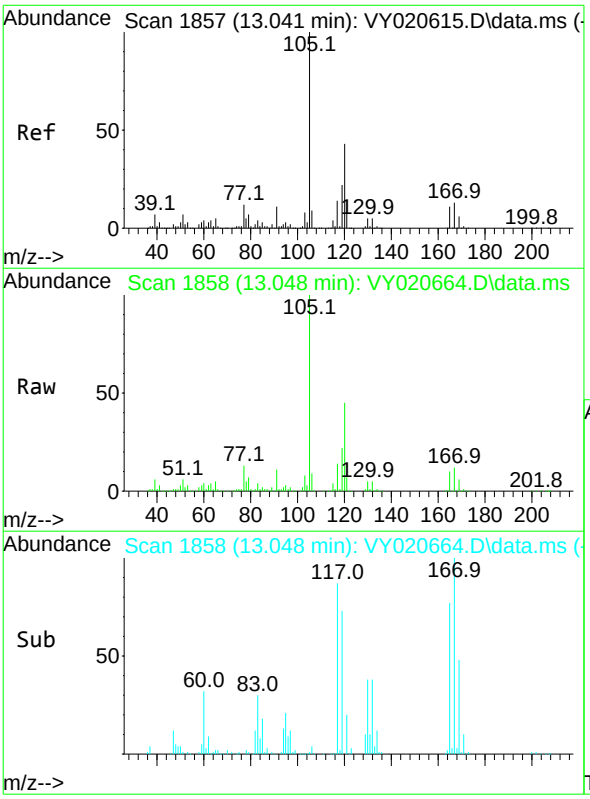
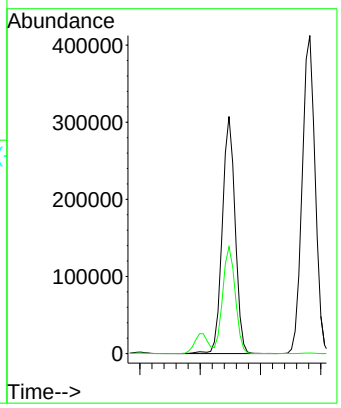
Supervised By :Mahesh Dadoda 12/24/2024

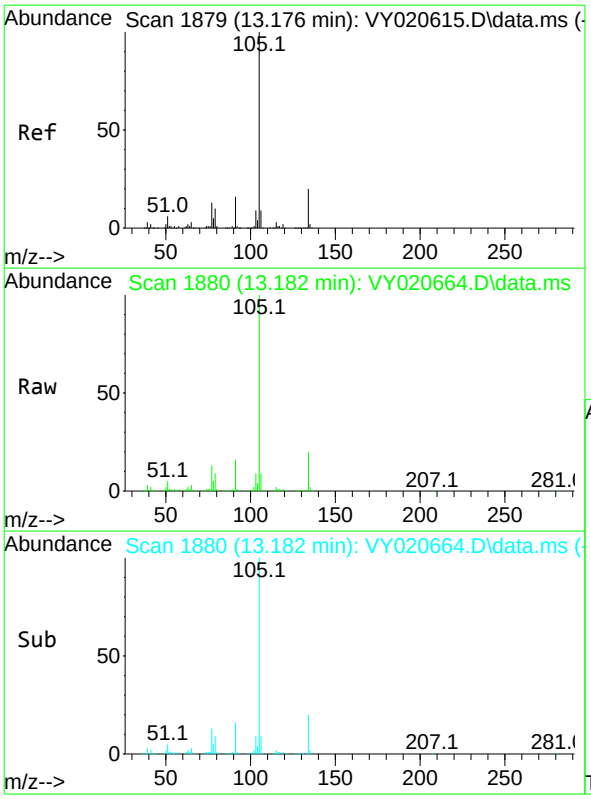


#84
1,2,4-Trimethylbenzene
Concen: 54.789 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:105 Resp: 454208

Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.8	65.4

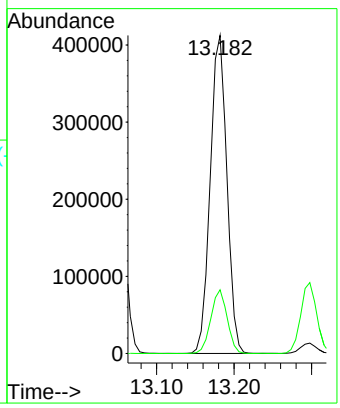




#85
sec-Butylbenzene
Concen: 55.289 ug/l
RT: 13.182 min Scan# 18
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:105 Resp: 615306

Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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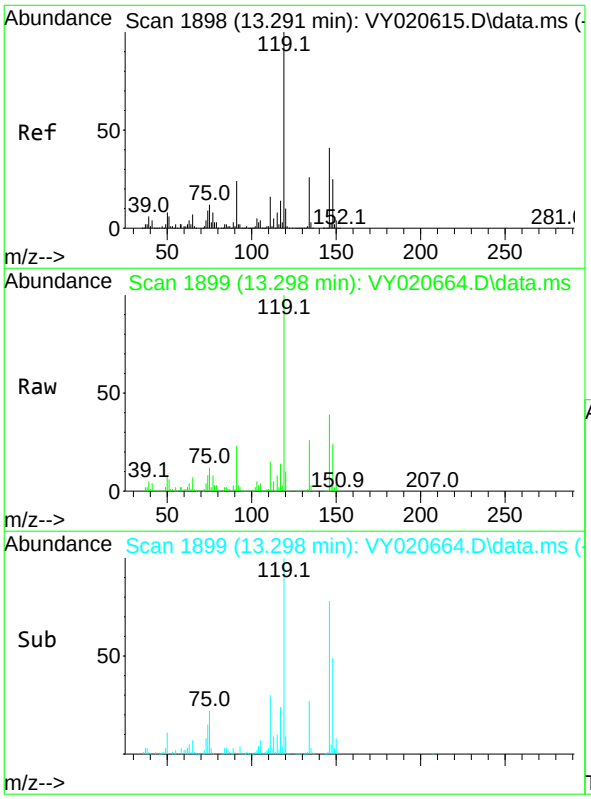
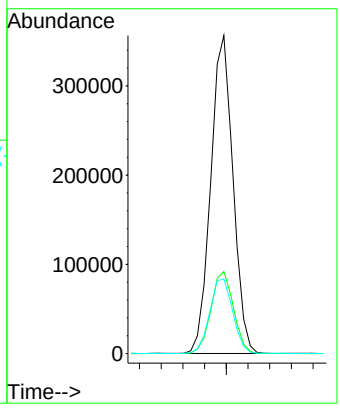
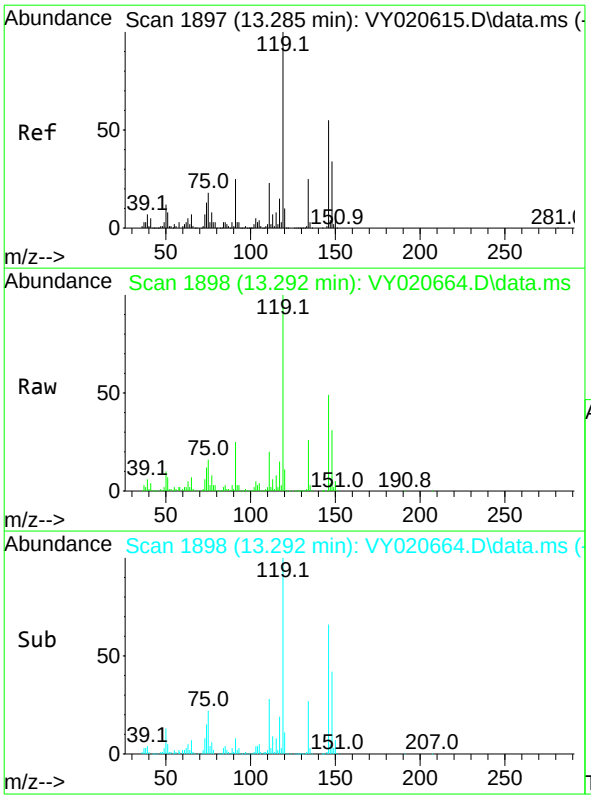


#86
p-Isopropyltoluene
Concen: 55.299 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:119 Resp: 507405

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.9	38.6
91	24.5	12.1	36.3

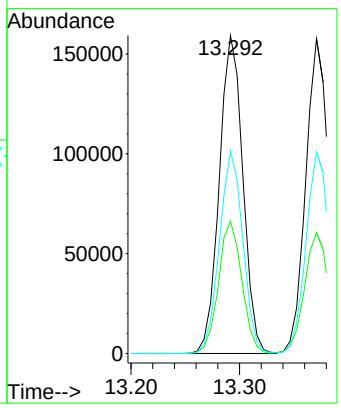




#87
1,3-Dichlorobenzene
Concen: 53.623 ug/l
RT: 13.292 min Scan# 18
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:146 Resp: 240167

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.6	61.8
148	63.3	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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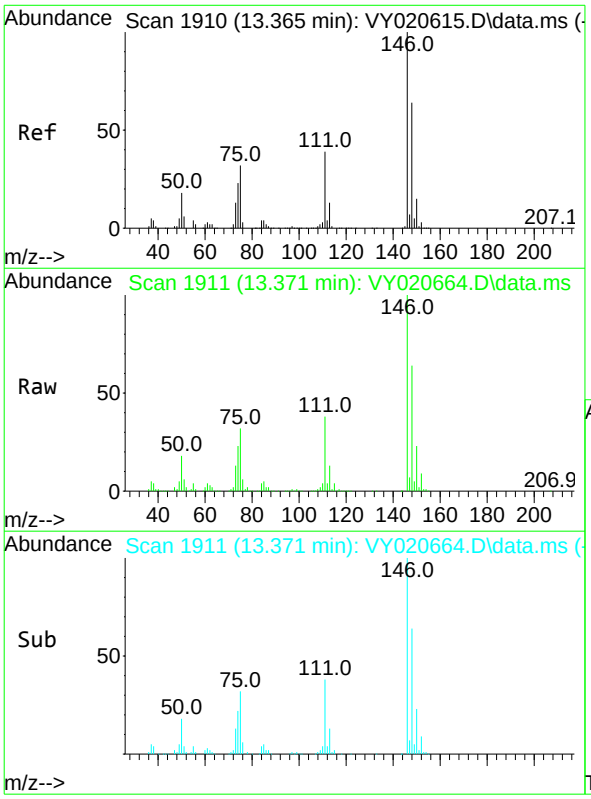
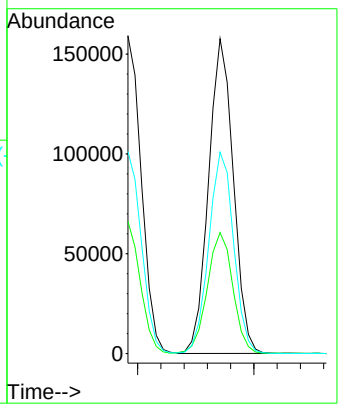
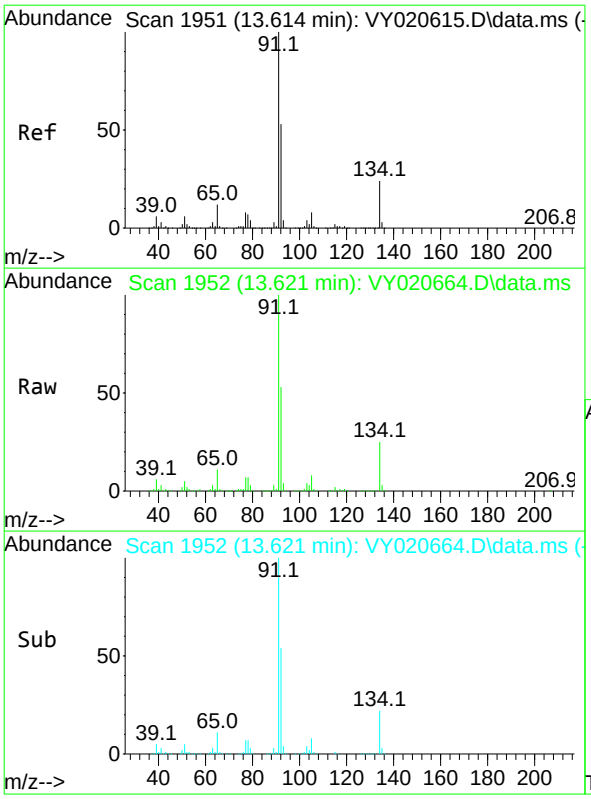


#88
1,4-Dichlorobenzene
Concen: 52.643 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:146 Resp: 233518

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.6	58.7
148	64.3	31.9	95.5

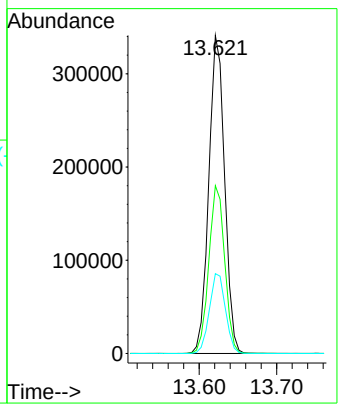




#89
n-Butylbenzene
Concen: 55.471 ug/l
RT: 13.621 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 91 Resp: 482377

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.8	80.4
134	25.6	12.5	37.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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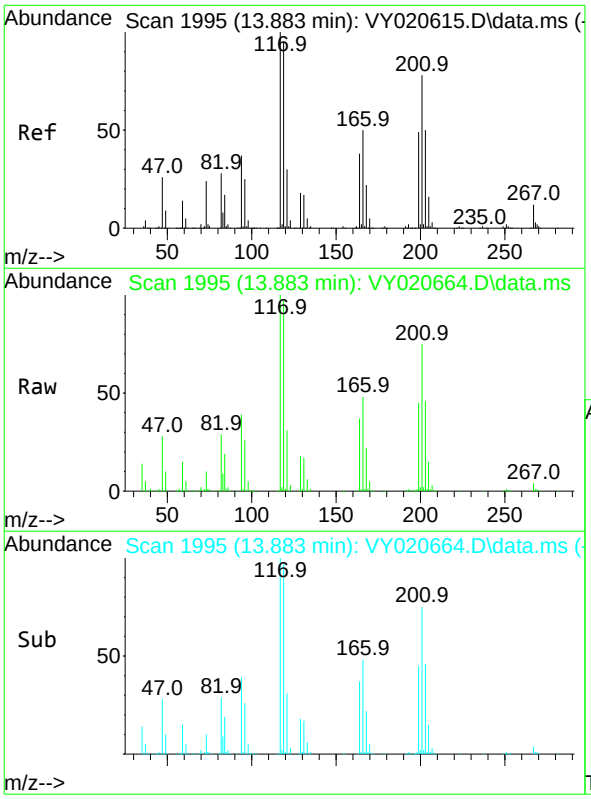
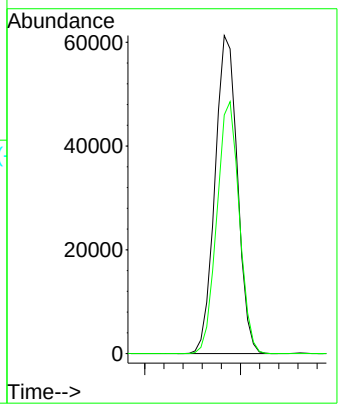
Supervised By :Mahesh Dadoda 12/24/2024

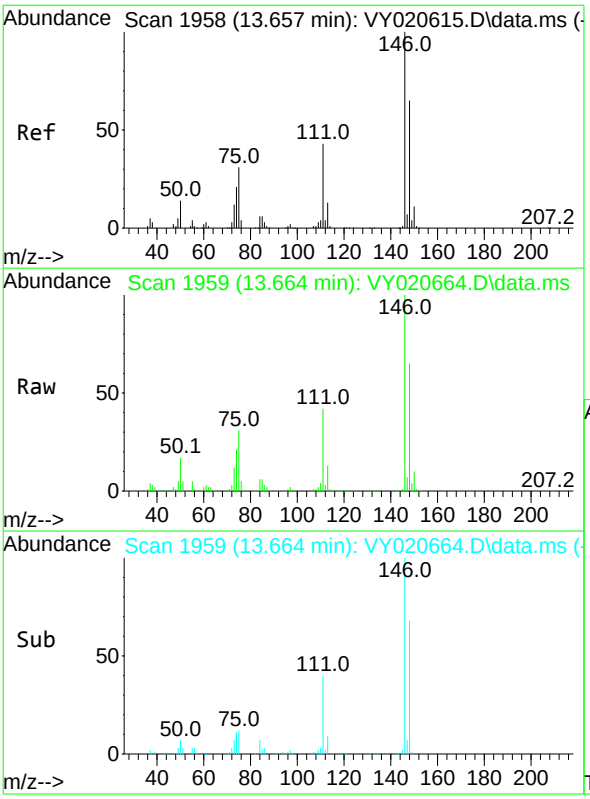


#90
Hexachloroethane
Concen: 54.904 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:117 Resp: 99835

Ion	Ratio	Lower	Upper
117	100		
201	78.8	39.1	117.3

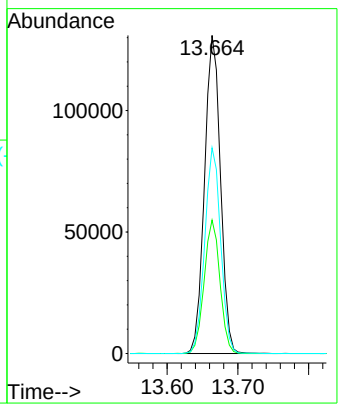




#91
1,2-Dichlorobenzene
Concen: 52.844 ug/l
RT: 13.664 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:146 Resp: 205065

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.3	63.7
148	64.4	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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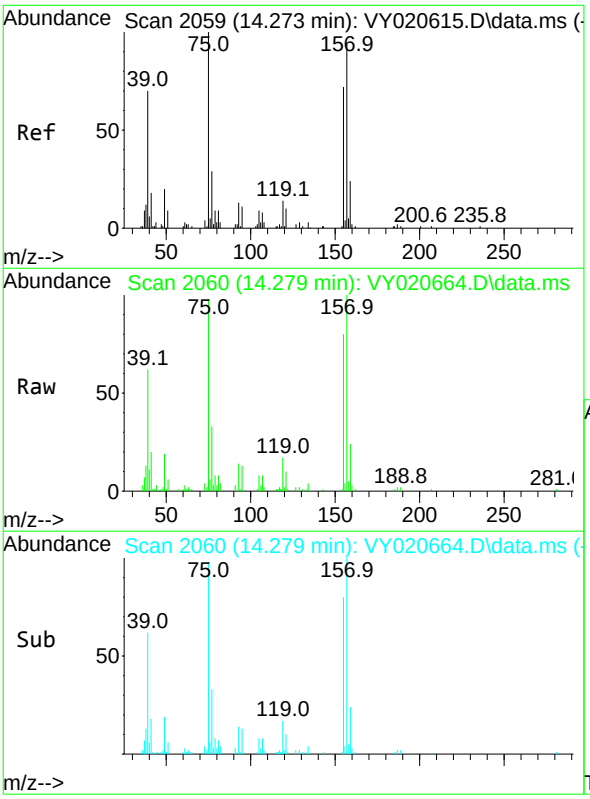
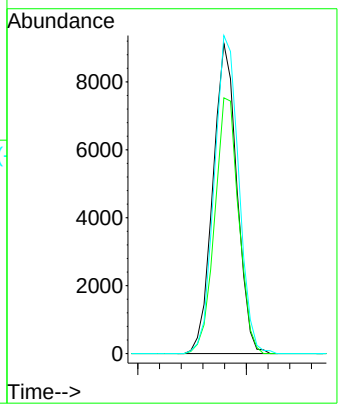
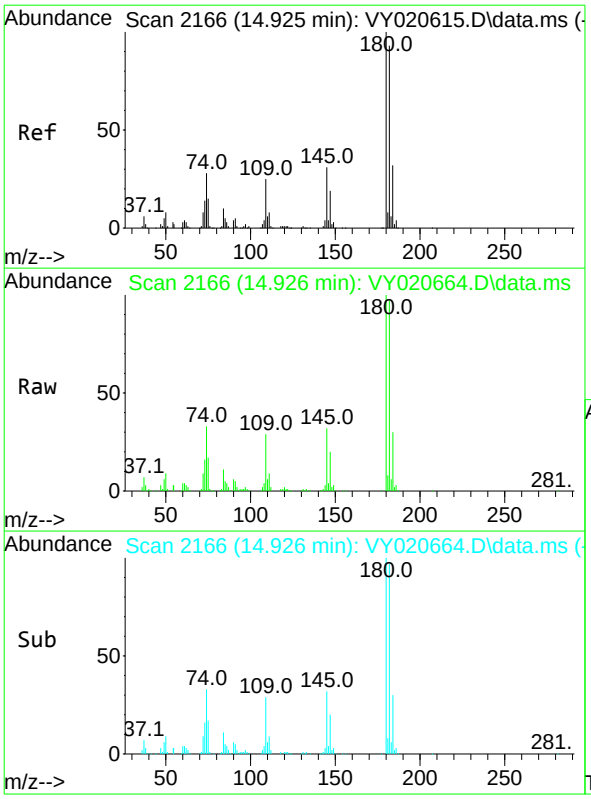


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.926 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 75 Resp: 13979

Ion	Ratio	Lower	Upper
75	100		
155	82.4	41.1	123.3
157	104.5	52.9	158.8





#93
1,2,4-Trichlorobenzene
Concen: 51.603 ug/l
RT: 14.926 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:180 Resp: 121126

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.6
145	31.0	15.6	46.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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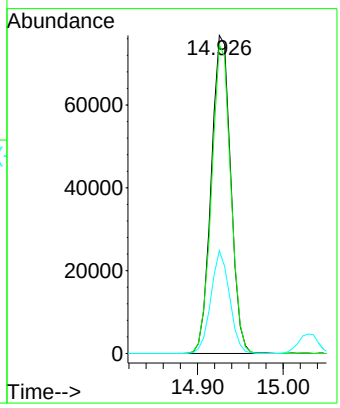
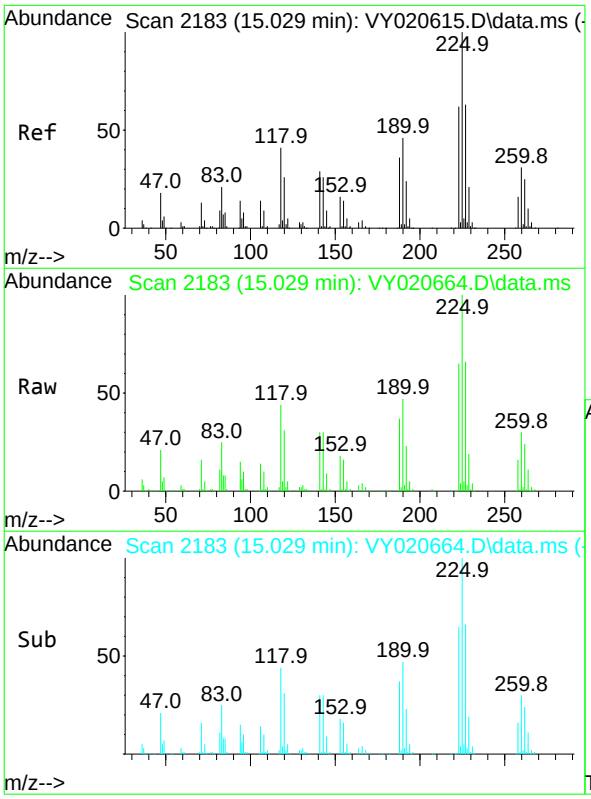
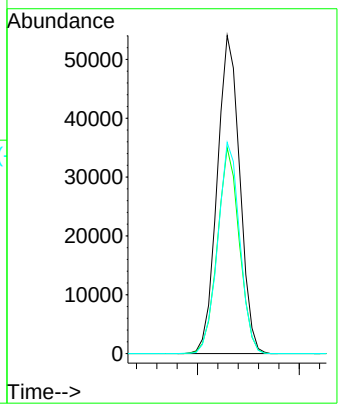


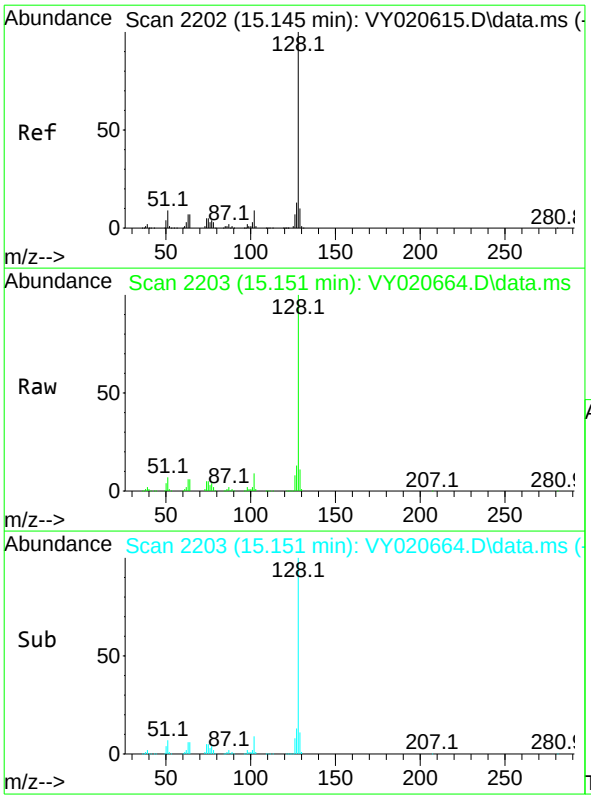


#94
Hexachlorobutadiene
Concen: 54.285 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:225 Resp: 83298

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.8	95.3
227	64.6	32.2	96.6

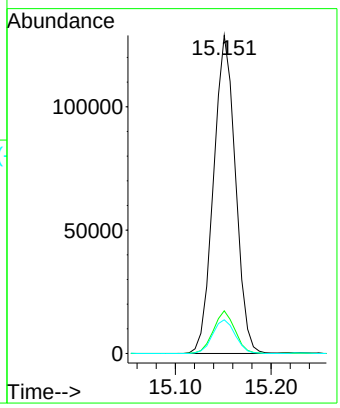




#95
Naphthalene
Concen: 50.926 ug/l
RT: 15.151 min Scan# 22
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:128 Resp: 204937

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	10.9	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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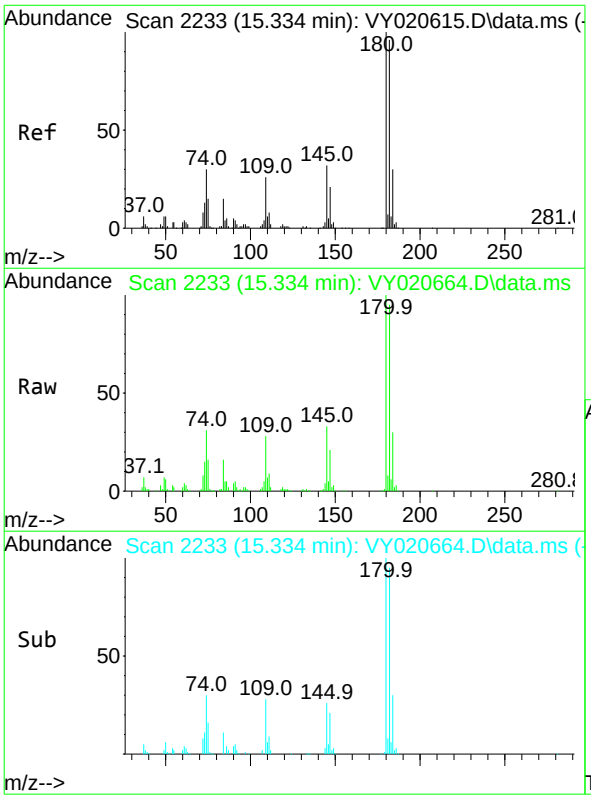
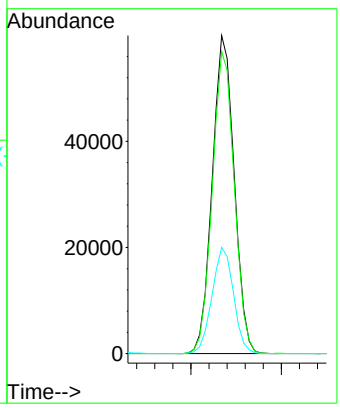


#96
1,2,3-Trichlorobenzene
Concen: 50.866 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:180 Resp: 100879

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.9
145	32.7	16.0	48.0



Sample Results: **VY020664.D**

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Data File : VY020664.D
Acq On : 20 Dec 2024 09:09
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 20 18:07:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 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	Pentafluorobenzene	1.000	1.000	0.0	96	0.00
2	T	Dichlorodifluoromethane	0.625	0.623	0.3	97	0.00
3	P	Chloromethane	0.463	0.405	12.5	91	0.00
4	C	Vinyl Chloride	0.431	0.372	13.7#	96	0.00
5	T	Bromomethane	0.277	0.219	20.9	92	0.00
6	T	Chloroethane	0.266	0.215	19.2	97	0.00
7	T	Trichlorofluoromethane	0.901	0.877	2.7	106	0.00
8	T	Diethyl Ether	0.316	0.283	10.4	94	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.646	0.683	-5.7	109	0.00
10	T	Methyl Iodide	0.719	0.810	-12.7	112	0.00
11	T	Tert butyl alcohol	0.071	0.050	29.6#	95	0.00
12	CM	1,1-Dichloroethene	0.627	0.646	-3.0#	105	0.00
13	T	Acrolein	0.026	0.013	50.0#	70	0.00
14	T	Allyl chloride	1.098	1.185	-7.9	111	0.00
15	T	Acrylonitrile	0.151	0.154	-2.0	96	0.01
16	T	Acetone	0.125	0.112	10.4	109	0.00
17	T	Carbon Disulfide	2.040	2.219	-8.8	110	0.01
18	T	Methyl Acetate	0.373	0.402	-7.8	110	0.00
19	T	Methyl tert-butyl Ether	1.618	1.677	-3.6	97	0.00
20	T	Methylene Chloride	0.681	0.700	-2.8	109	0.00
21	T	trans-1,2-Dichloroethene	0.703	0.742	-5.5	100	0.00
22	T	Diisopropyl ether	2.229	2.372	-6.4	100	0.00
23	T	Vinyl Acetate	1.263	1.314	-4.0	96	0.00
24	P	1,1-Dichloroethane	1.306	1.384	-6.0	100	0.01
25	T	2-Butanone	0.204	0.195	4.4	95	0.00
26	T	2,2-Dichloropropane	1.235	1.242	-0.6	101	0.00
27	T	cis-1,2-Dichloroethene	0.809	0.845	-4.4	99	0.00
28	T	Bromochloromethane	0.441	0.443	-0.5	86	0.00
29	T	Tetrahydrofuran	0.128	0.129	-0.8	93	0.00
30	C	Chloroform	1.528	1.402	8.2#	98	0.00
31	T	Cyclohexane	1.249	1.227	1.8	98	0.00
32	T	1,1,1-Trichloroethane	1.200	1.268	-5.7	102	0.00
33	S	1,2-Dichloroethane-d4	0.548	0.442	19.3	75	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
35	S	Dibromofluoromethane	0.352	0.306	13.1	78	0.00
36	T	1,1-Dichloropropene	0.643	0.702	-9.2	101	0.00
37	T	Ethyl Acetate	0.302	0.305	-1.0	94	0.00
38	T	Carbon Tetrachloride	0.711	0.793	-11.5	104	0.00
39	T	Methylcyclohexane	0.837	0.899	-7.4	99	0.00
40	TM	Benzene	1.883	2.064	-9.6	102	0.00
41	T	Methacrylonitrile	0.160	0.162	-1.3	96	0.00
42	TM	1,2-Dichloroethane	0.500	0.539	-7.8	99	0.00
43	T	Isopropyl Acetate	0.572	0.610	-6.6	96	0.00
44	TM	Trichloroethene	0.463	0.499	-7.8	100	0.00
45	C	1,2-Dichloropropane	0.440	0.476	-8.2#	100	0.00
46	T	Dibromomethane	0.233	0.252	-8.2	100	0.00
47	T	Bromodichloromethane	0.628	0.687	-9.4	99	0.00
48	T	Methyl methacrylate	0.272	0.287	-5.5	95	0.00

Sample Results: **VY020664.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020664.D
Acq On : 20 Dec 2024 09:09
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 20 18:07:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 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	1,4-Dioxane	0.003	0.003	0.0	90	0.00
50	S	Toluene-d8	1.233	1.077	12.7	77	0.00
51	T	4-Methyl-2-Pentanone	0.302	0.310	-2.6	95	0.00
52	CM	Toluene	1.170	1.291	-10.3#	101	0.00
53	T	t-1,3-Dichloropropene	0.586	0.636	-8.5	97	0.00
54	T	cis-1,3-Dichloropropene	0.694	0.769	-10.8	100	0.00
55	T	1,1,2-Trichloroethane	0.308	0.334	-8.4	101	0.00
56	T	Ethyl methacrylate	0.446	0.485	-8.7	97	0.00
57	T	1,3-Dichloropropane	0.548	0.595	-8.6	98	0.00
58	T	2-Chloroethyl Vinyl ether	0.188	0.201	-6.9	107	0.00
59	T	2-Hexanone	0.194	0.205	-5.7	94	0.00
60	T	Dibromochloromethane	0.411	0.454	-10.5	99	0.00
61	T	1,2-Dibromoethane	0.286	0.306	-7.0	97	0.00
62	S	4-Bromofluorobenzene	0.482	0.406	15.8	77	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
64	T	Tetrachloroethene	0.470	0.508	-8.1	102	0.00
65	PM	Chlorobenzene	1.398	1.523	-8.9	100	0.00
66	T	1,1,1,2-Tetrachloroethane	0.478	0.538	-12.6	103	0.00
67	C	Ethyl Benzene	2.579	2.864	-11.1#	101	0.00
68	T	m/p-Xylenes	0.959	1.049	-9.4	100	0.00
69	T	o-Xylene	0.895	0.981	-9.6	99	0.00
70	T	Styrene	1.495	1.648	-10.2	99	0.00
71	P	Bromoform	0.269	0.301	-11.9	101	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
73	T	Isopropylbenzene	4.363	4.784	-9.6	101	0.00
74	T	N-amyl acetate	1.021	1.063	-4.1	91	0.00
75	P	1,1,2,2-Tetrachloroethane	0.708	0.759	-7.2	98	0.00
76	T	1,2,3-Trichloropropane	0.519	0.526	-1.3	92	0.00
77	T	Bromobenzene	0.950	1.018	-7.2	99	0.00
78	T	n-propylbenzene	5.257	5.794	-10.2	101	0.00
79	T	2-Chlorotoluene	2.958	3.205	-8.4	100	0.00
80	T	1,3,5-Trimethylbenzene	3.540	3.857	-9.0	99	0.00
81	T	trans-1,4-Dichloro-2-butene	0.247	0.272	-10.1	97	0.00
82	T	4-Chlorotoluene	3.068	3.306	-7.8	99	0.00
83	T	tert-Butylbenzene	3.206	3.568	-11.3	102	0.00
84	T	1,2,4-Trimethylbenzene	3.473	3.805	-9.6	99	0.00
85	T	sec-Butylbenzene	4.662	5.155	-10.6	101	0.00
86	T	p-Isopropyltoluene	3.844	4.251	-10.6	100	0.00
87	T	1,3-Dichlorobenzene	1.876	2.012	-7.2	99	0.00
88	T	1,4-Dichlorobenzene	1.858	1.956	-5.3	98	0.00
89	T	n-Butylbenzene	3.643	4.041	-10.9	99	0.00
90	T	Hexachloroethane	0.762	0.836	-9.7	100	0.00
91	T	1,2-Dichlorobenzene	1.626	1.718	-5.7	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.115	0.117	-1.7	95	0.00
93	T	1,2,4-Trichlorobenzene	0.983	1.015	-3.3	92	0.00
94	T	Hexachlorobutadiene	0.643	0.698	-8.6	97	0.00
95	T	Naphthalene	1.686	1.717	-1.8	89	0.00

Sample Results: **VY020664.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020664.D
Acq On : 20 Dec 2024 09:09
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 20 18:07:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 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)
96 T	1,2,3-Trichlorobenzene	0.831	0.845	-1.7	90	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY020664.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020664.D
Acq On : 20 Dec 2024 09:09
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 20 18:07:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 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	Pentafluorobenzene	50.000	50.000	0.0	96	0.00
2	T	Dichlorodifluoromethane	50.000	49.863	0.3	97	0.00
3	P	Chloromethane	50.000	43.800	12.4	91	0.00
4	C	Vinyl Chloride	50.000	43.169	13.7#	96	0.00
5	T	Bromomethane	50.000	39.522	21.0	92	0.00
6	T	Chloroethane	50.000	40.318	19.4	97	0.00
7	T	Trichlorofluoromethane	50.000	48.639	2.7	106	0.00
8	T	Diethyl Ether	50.000	44.802	10.4	94	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.831	-5.7	109	0.00
10	T	Methyl Iodide	50.000	56.311	-12.6	112	0.00
11	T	Tert butyl alcohol	250.000	212.136	15.1	95	0.00
12	CM	1,1-Dichloroethene	50.000	51.529	-3.1#	105	0.00
13	T	Acrolein	250.000	120.792	51.7#	70	0.00
14	T	Allyl chloride	50.000	53.969	-7.9	111	0.00
15	T	Acrylonitrile	250.000	254.850	-1.9	96	0.01
16	T	Acetone	250.000	256.402	-2.6	109	0.00
17	T	Carbon Disulfide	50.000	54.380	-8.8	110	0.01
18	T	Methyl Acetate	50.000	53.944	-7.9	110	0.00
19	T	Methyl tert-butyl Ether	50.000	51.833	-3.7	97	0.00
20	T	Methylene Chloride	50.000	51.431	-2.9	109	0.00
21	T	trans-1,2-Dichloroethene	50.000	52.751	-5.5	100	0.00
22	T	Diisopropyl ether	50.000	53.195	-6.4	100	0.00
23	T	Vinyl Acetate	250.000	260.253	-4.1	96	0.00
24	P	1,1-Dichloroethane	50.000	52.991	-6.0	100	0.01
25	T	2-Butanone	250.000	239.715	4.1	95	0.00
26	T	2,2-Dichloropropane	50.000	50.287	-0.6	101	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.244	-4.5	99	0.00
28	T	Bromochloromethane	50.000	50.330	-0.7	86	0.00
29	T	Tetrahydrofuran	250.000	250.559	-0.2	93	0.00
30	C	Chloroform	50.000	53.857	-7.7#	98	0.00
31	T	Cyclohexane	50.000	49.141	1.7	98	0.00
32	T	1,1,1-Trichloroethane	50.000	52.846	-5.7	102	0.00
33	S	1,2-Dichloroethane-d4	50.000	40.336	19.3	75	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	91	0.00
35	S	Dibromofluoromethane	50.000	43.459	13.1	78	0.00
36	T	1,1-Dichloropropene	50.000	54.656	-9.3	101	0.00
37	T	Ethyl Acetate	50.000	50.481	-1.0	94	0.00
38	T	Carbon Tetrachloride	50.000	55.798	-11.6	104	0.00
39	T	Methylcyclohexane	50.000	53.650	-7.3	99	0.00
40	TM	Benzene	50.000	54.799	-9.6	102	0.00
41	T	Methacrylonitrile	50.000	50.789	-1.6	96	0.00
42	TM	1,2-Dichloroethane	50.000	53.978	-8.0	99	0.00
43	T	Isopropyl Acetate	50.000	53.344	-6.7	96	0.00
44	TM	Trichloroethene	50.000	53.915	-7.8	100	0.00
45	C	1,2-Dichloropropane	50.000	54.113	-8.2#	100	0.00
46	T	Dibromomethane	50.000	54.086	-8.2	100	0.00
47	T	Bromodichloromethane	50.000	54.644	-9.3	99	0.00
48	T	Methyl methacrylate	50.000	52.772	-5.5	95	0.00

Sample Results: **VY020664.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020664.D
Acq On : 20 Dec 2024 09:09
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 20 18:07:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 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	1,4-Dioxane	1000.000	981.949	1.8	90	0.00
50	S	Toluene-d8	50.000	43.661	12.7	77	0.00
51	T	4-Methyl-2-Pentanone	250.000	256.228	-2.5	95	0.00
52	CM	Toluene	50.000	55.159	-10.3#	101	0.00
53	T	t-1,3-Dichloropropene	50.000	54.306	-8.6	97	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.407	-10.8	100	0.00
55	T	1,1,2-Trichloroethane	50.000	54.290	-8.6	101	0.00
56	T	Ethyl methacrylate	50.000	54.394	-8.8	97	0.00
57	T	1,3-Dichloropropane	50.000	54.257	-8.5	98	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	268.265	-7.3	107	0.00
59	T	2-Hexanone	250.000	263.689	-5.5	94	0.00
60	T	Dibromochloromethane	50.000	55.226	-10.5	99	0.00
61	T	1,2-Dibromoethane	50.000	53.496	-7.0	97	0.00
62	S	4-Bromofluorobenzene	50.000	42.036	15.9	77	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	91	0.00
64	T	Tetrachloroethene	50.000	53.958	-7.9	102	0.00
65	PM	Chlorobenzene	50.000	54.474	-8.9	100	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	56.252	-12.5	103	0.00
67	C	Ethyl Benzene	50.000	55.519	-11.0#	101	0.00
68	T	m/p-Xylenes	100.000	109.344	-9.3	100	0.00
69	T	o-Xylene	50.000	54.792	-9.6	99	0.00
70	T	Styrene	50.000	55.127	-10.3	99	0.00
71	P	Bromoform	50.000	55.908	-11.8	101	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	92	0.00
73	T	Isopropylbenzene	50.000	54.823	-9.6	101	0.00
74	T	N-amyl acetate	50.000	52.048	-4.1	91	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.553	-7.1	98	0.00
76	T	1,2,3-Trichloropropane	50.000	50.593	-1.2	92	0.00
77	T	Bromobenzene	50.000	53.559	-7.1	99	0.00
78	T	n-propylbenzene	50.000	55.107	-10.2	101	0.00
79	T	2-Chlorotoluene	50.000	54.188	-8.4	100	0.00
80	T	1,3,5-Trimethylbenzene	50.000	54.473	-8.9	99	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	54.979	-10.0	97	0.00
82	T	4-Chlorotoluene	50.000	53.864	-7.7	99	0.00
83	T	tert-Butylbenzene	50.000	55.644	-11.3	102	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.789	-9.6	99	0.00
85	T	sec-Butylbenzene	50.000	55.289	-10.6	101	0.00
86	T	p-Isopropyltoluene	50.000	55.299	-10.6	100	0.00
87	T	1,3-Dichlorobenzene	50.000	53.623	-7.2	99	0.00
88	T	1,4-Dichlorobenzene	50.000	52.643	-5.3	98	0.00
89	T	n-Butylbenzene	50.000	55.471	-10.9	99	0.00
90	T	Hexachloroethane	50.000	54.904	-9.8	100	0.00
91	T	1,2-Dichlorobenzene	50.000	52.844	-5.7	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.926	-1.9	95	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.603	-3.2	92	0.00
94	T	Hexachlorobutadiene	50.000	54.285	-8.6	97	0.00
95	T	Naphthalene	50.000	50.926	-1.9	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020664.D
Acq On : 20 Dec 2024 09:09
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 20 18:07:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 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)
96 T	1,2,3-Trichlorobenzene	50.000	50.866	-1.7	90	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY020682.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG No.: P5316

Instrument ID: MSVOA_Y Calibration Date/Time: 12/20/2024 19:35

Lab File ID: VY020682.D Init. Calib. Date(s): 12/17/2024 12/17/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:01 14:51

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.431	0.262		-39.21	50
1,1-Dichloroethene	0.627	0.500		-20.25	50
Acetone	0.125	0.087		-30.4	50
Methyl tert-butyl Ether	1.618	1.685		4.14	50
Methylene Chloride	0.681	0.659		-3.23	50
trans-1,2-Dichloroethene	0.703	0.713		1.42	50
1,1-Dichloroethane	1.306	1.366	0.1	4.59	50
2-Butanone	0.204	0.202		-0.98	50
Carbon Tetrachloride	0.711	0.692		-2.67	50
cis-1,2-Dichloroethene	0.809	0.836		3.34	50
Chloroform	1.528	1.423		-6.87	50
1,1,1-Trichloroethane	1.200	1.204		0.33	50
Benzene	1.883	1.905		1.17	50
1,2-Dichloroethane	0.500	0.515		3	50
Trichloroethene	0.463	0.463		0	50
Toluene	1.170	1.198		2.39	50
Tetrachloroethene	0.470	0.443		-5.74	50
Chlorobenzene	1.398	1.409	0.3	0.79	50
Ethyl Benzene	2.579	2.542		-1.43	50
m/p-Xylenes	0.959	0.944		-1.56	50
o-Xylene	0.895	0.891		-0.45	50
n-propylbenzene	5.257	4.958		-5.69	50
tert-Butylbenzene	3.206	3.020		-5.8	50
1,2,4-Trimethylbenzene	3.473	3.335		-3.97	50
sec-Butylbenzene	4.662	4.327		-7.19	50
1,3-Dichlorobenzene	1.876	1.803		-3.89	50
1,4-Dichlorobenzene	1.858	1.784		-3.98	50
n-Butylbenzene	3.643	3.417		-6.2	50
1,2-Dichlorobenzene	1.626	1.586		-2.46	50
1,2-Dichloroethane-d4	0.548	0.472		-13.87	50
Dibromofluoromethane	0.352	0.311		-11.65	50
Toluene-d8	1.233	1.049		-14.92	50
4-Bromofluorobenzene	0.482	0.406		-15.77	50
1,4-Dioxane	2.668	2.853	0.05	6.93	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020682.D
Acq On : 20 Dec 2024 19:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 20 22:04:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	143833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	225180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	204671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	118027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	67912	43.111	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 86.220%			
35) Dibromofluoromethane	7.634	113	70081	44.159	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 88.320%			
50) Toluene-d8	10.103	98	236316	42.543	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 85.080%			
62) 4-Bromofluorobenzene	12.408	95	91351	42.042	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 84.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	81747	45.502	ug/l	95
3) Chloromethane	2.068	50	58949	44.285	ug/l	95
4) Vinyl Chloride	2.202	62	37701	30.430	ug/l	97
5) Bromomethane	2.598	94	27270	34.241	ug/l	96
6) Chloroethane	2.733	64	23852	31.154	ug/l	98
7) Trichlorofluoromethane	3.062	101	97429	37.582	ug/l	98
8) Diethyl Ether	3.458	74	38091	41.896	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	72820	39.189	ug/l	100
10) Methyl Iodide	4.007	142	89063	43.050	ug/l	99
11) Tert butyl alcohol	4.866	59	36300	213.879	ug/l	100
12) 1,1-Dichloroethene	3.787	96	71932	39.896	ug/l	95
13) Acrolein	3.653	56	10852	145.691	ug/l	100
14) Allyl chloride	4.385	41	138460	43.827	ug/l	98
15) Acrylonitrile	5.061	53	114092	262.307	ug/l	98
16) Acetone	3.873	43	62589	198.675	ug/l	99
17) Carbon Disulfide	4.104	76	240927	41.052	ug/l	99
18) Methyl Acetate	4.385	43	49816	46.480	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	242425	52.095	ug/l	98
20) Methylene Chloride	4.616	84	94785	48.394	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	102508	50.685	ug/l	94
22) Diisopropyl ether	6.025	45	337414	52.616	ug/l	99
23) Vinyl Acetate	5.964	43	967217	266.302	ug/l	100
24) 1,1-Dichloroethane	5.921	63	196407	52.280	ug/l	99
25) 2-Butanone	6.896	43	145082	247.823	ug/l	97
26) 2,2-Dichloropropane	6.890	77	162135	45.653	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	120298	51.699	ug/l	98
28) Bromochloromethane	7.244	49	82386	65.015	ug/l	99
29) Tetrahydrofuran	7.262	42	99121	268.209	ug/l	99
30) Chloroform	7.421	83	204738	54.780	ug/l	97
31) Cyclohexane	7.701	56	159093	44.289	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	173221	50.188	ug/l	99
36) 1,1-Dichloropropene	7.841	75	140911	48.693	ug/l	99
37) Ethyl Acetate	6.988	43	68879	50.601	ug/l	99
38) Carbon Tetrachloride	7.817	117	155919	48.699	ug/l	98
39) Methylcyclohexane	9.109	83	165792	43.957	ug/l	95
40) Benzene	8.079	78	429017	50.578	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020682.D
Acq On : 20 Dec 2024 19:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 20 22:04:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	35040	48.692	ug/l	#	91
42) 1,2-Dichloroethane	8.158	62	116059	51.589	ug/l		99
43) Isopropyl Acetate	8.195	43	132653	51.476	ug/l	#	87
44) Trichloroethene	8.866	130	104350	50.065	ug/l		97
45) 1,2-Dichloropropane	9.140	63	102993	51.953	ug/l		97
46) Dibromomethane	9.231	93	55249	52.734	ug/l		100
47) Bromodichloromethane	9.420	83	148983	52.643	ug/l		99
48) Methyl methacrylate	9.219	41	64336	52.516	ug/l		99
49) 1,4-Dioxane	9.231	88	12848	1069.318	ug/l		92
51) 4-Methyl-2-Pentanone	9.993	43	347100	255.175	ug/l		100
52) Toluene	10.170	92	269709	51.164	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	137082	51.983	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	161185	51.582	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	72252	52.160	ug/l		94
56) Ethyl methacrylate	10.438	69	106862	53.177	ug/l		98
57) 1,3-Dichloropropane	10.719	76	129720	52.533	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	269274	318.460	ug/l		100
59) 2-Hexanone	10.762	43	232450	266.163	ug/l		100
60) Dibromochloromethane	10.908	129	98561	53.204	ug/l		99
61) 1,2-Dibromoethane	11.012	107	67268	52.208	ug/l		99
64) Tetrachloroethene	10.646	164	90723	47.125	ug/l		94
65) Chlorobenzene	11.444	112	288406	50.396	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.518	131	100036	51.120	ug/l		99
67) Ethyl Benzene	11.518	91	520329	49.283	ug/l		99
68) m/p-Xylenes	11.627	106	386215	98.385	ug/l		99
69) o-Xylene	11.957	106	182369	49.791	ug/l		99
70) Styrene	11.969	104	308084	50.345	ug/l		99
71) Bromoform	12.133	173	57006	51.813	ug/l	#	99
73) Isopropylbenzene	12.255	105	488221	47.402	ug/l		99
74) N-amyl acetate	12.072	43	119742	49.676	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	85524	51.155	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	62789m	51.211	ug/l		
77) Bromobenzene	12.530	156	111242	49.582	ug/l		99
78) n-propylbenzene	12.597	91	585185	47.158	ug/l		99
79) 2-Chlorotoluene	12.682	91	337195	48.298	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	398582	47.693	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	29107	49.831	ug/l		99
82) 4-Chlorotoluene	12.780	91	346496	47.838	ug/l		99
83) tert-Butylbenzene	12.999	119	356447	47.095	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	393582	48.012	ug/l		99
85) sec-Butylbenzene	13.176	105	510662	46.404	ug/l		100
86) p-Isopropyltoluene	13.292	119	429462	47.333	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	212764	48.040	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	210538	47.998	ug/l		100
89) n-Butylbenzene	13.621	91	403246	46.895	ug/l		99
90) Hexachloroethane	13.883	117	86293	47.992	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	187168	48.776	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	12831	47.271	ug/l		95
93) 1,2,4-Trichlorobenzene	14.925	180	111082	47.858	ug/l		99
94) Hexachlorobutadiene	15.029	225	73289	48.301	ug/l		98
95) Naphthalene	15.145	128	201284	50.583	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	95931	48.917	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020682.D
Acq On : 20 Dec 2024 19:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 20 22:04:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

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

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

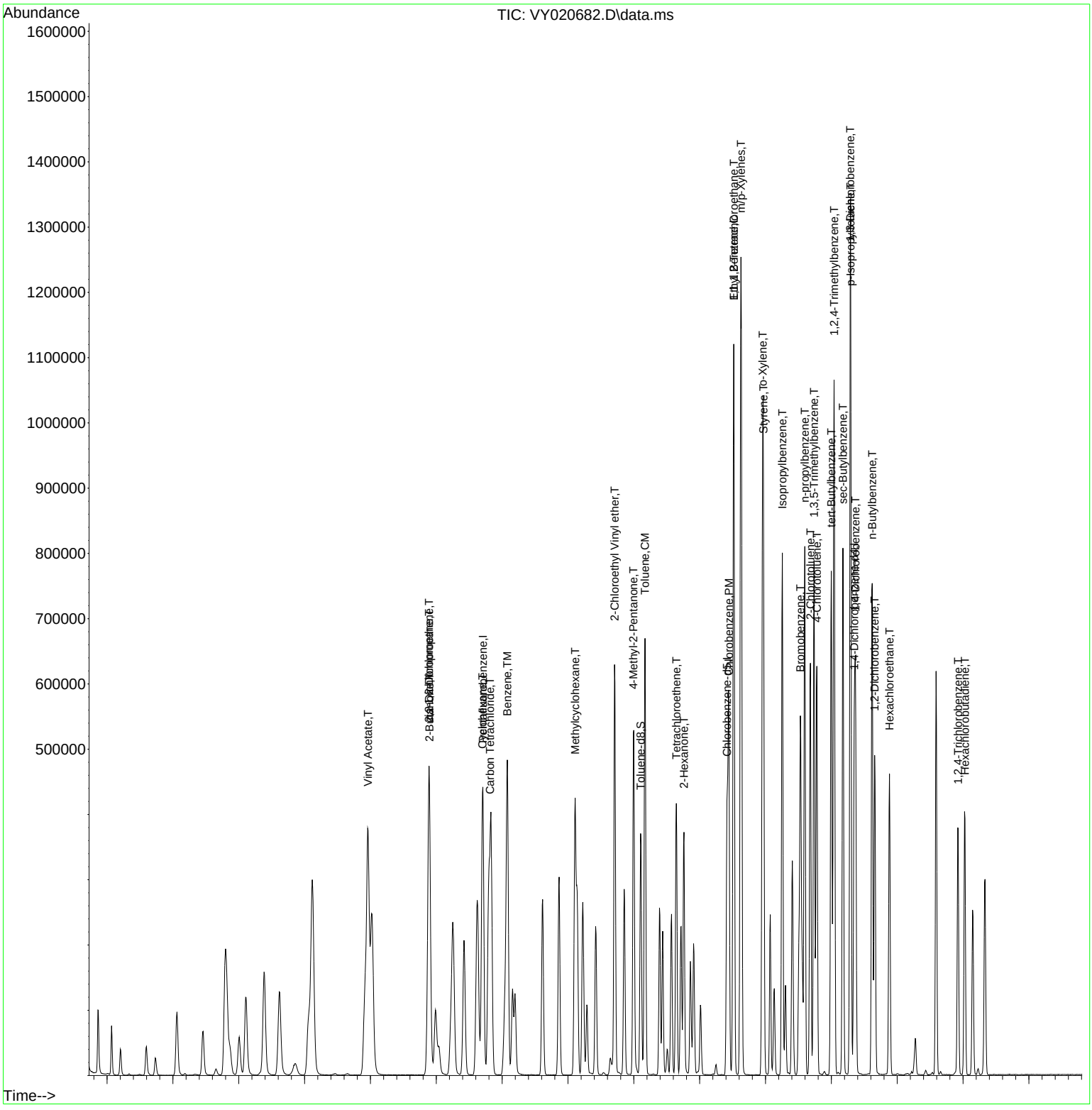
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020682.D
Acq On : 20 Dec 2024 19:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

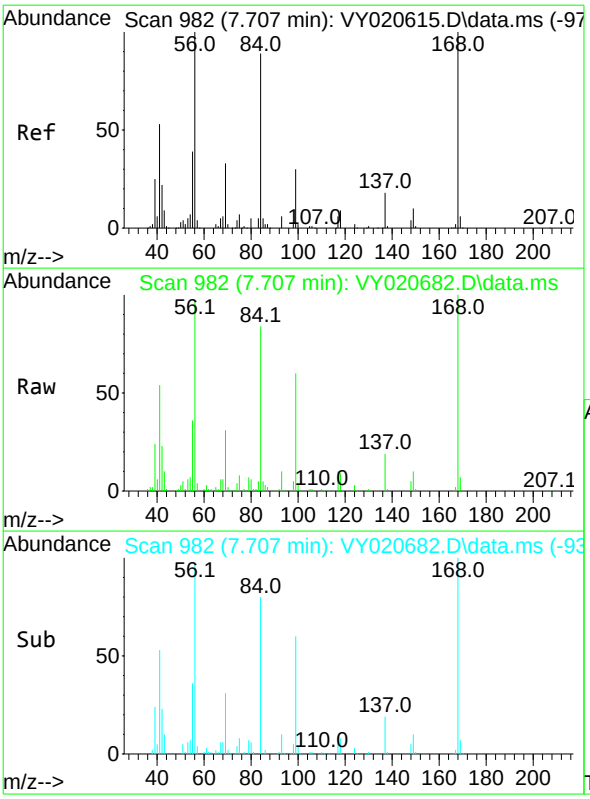
Quant Time: Dec 20 22:04:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

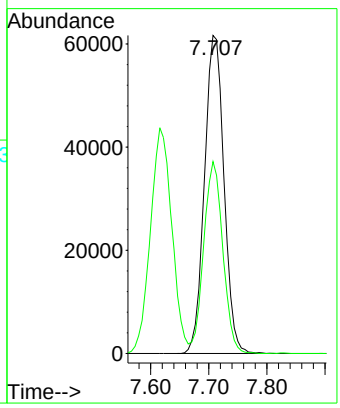




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:168 Resp: 143833

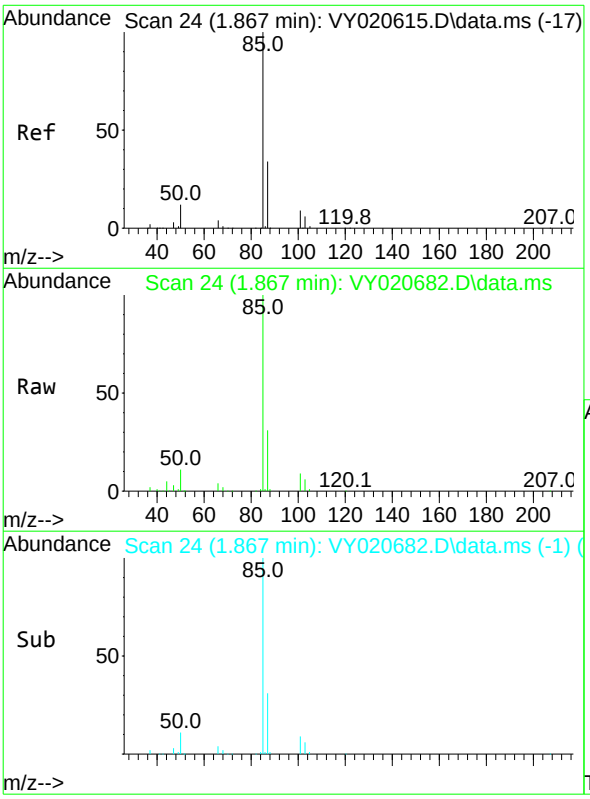
Ion	Ratio	Lower	Upper
168	100		
99	60.3	47.0	70.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

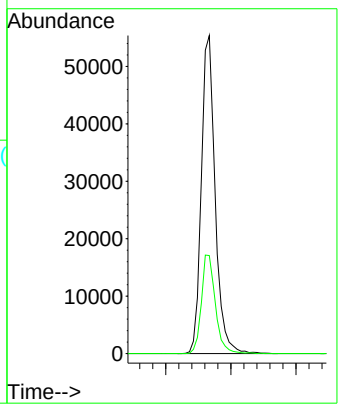
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

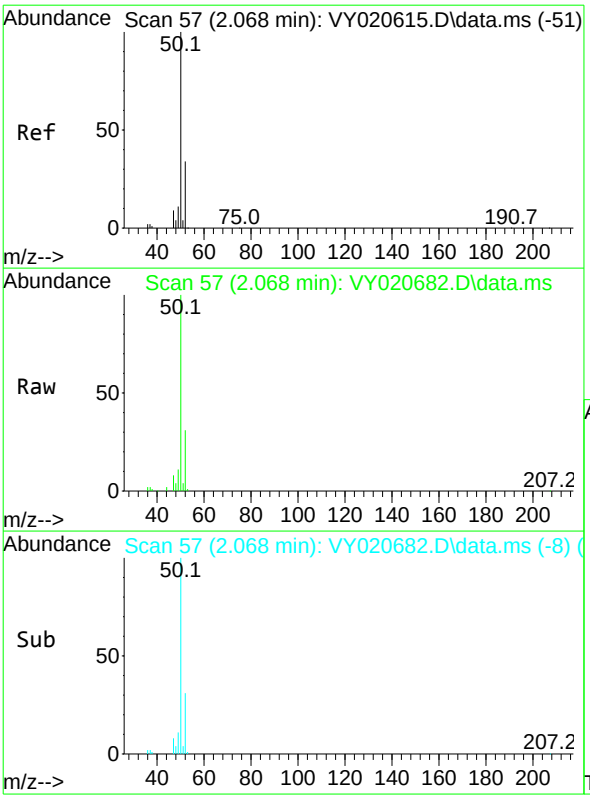


#2
Dichlorodifluoromethane
Concen: 45.502 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 85 Resp: 81747

Ion	Ratio	Lower	Upper
85	100		
87	30.8	16.8	50.3

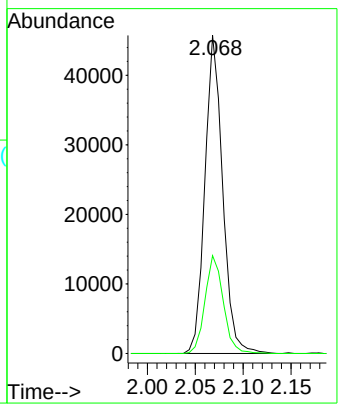




#3
Chloromethane
Concen: 44.285 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 50 Resp: 58949

Ion	Ratio	Lower	Upper
50	100		
52	30.8	26.8	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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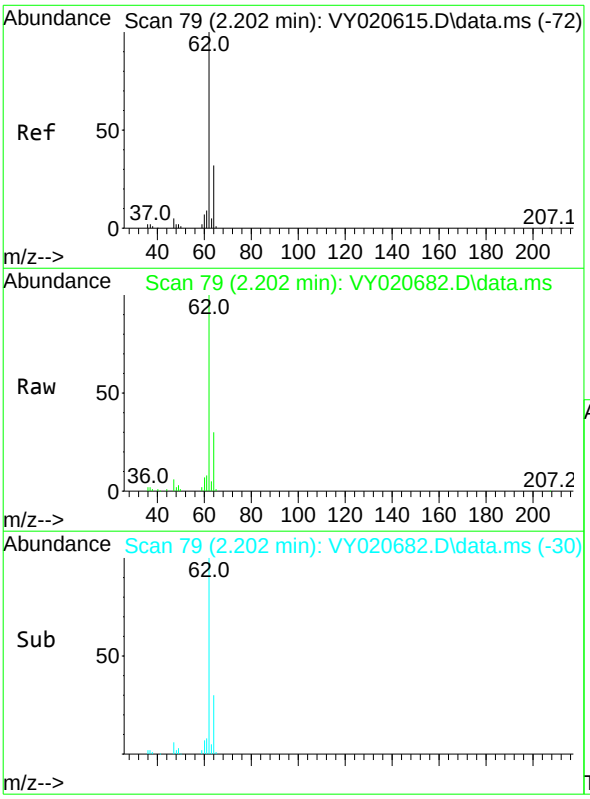
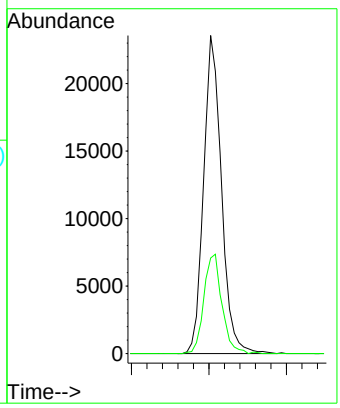
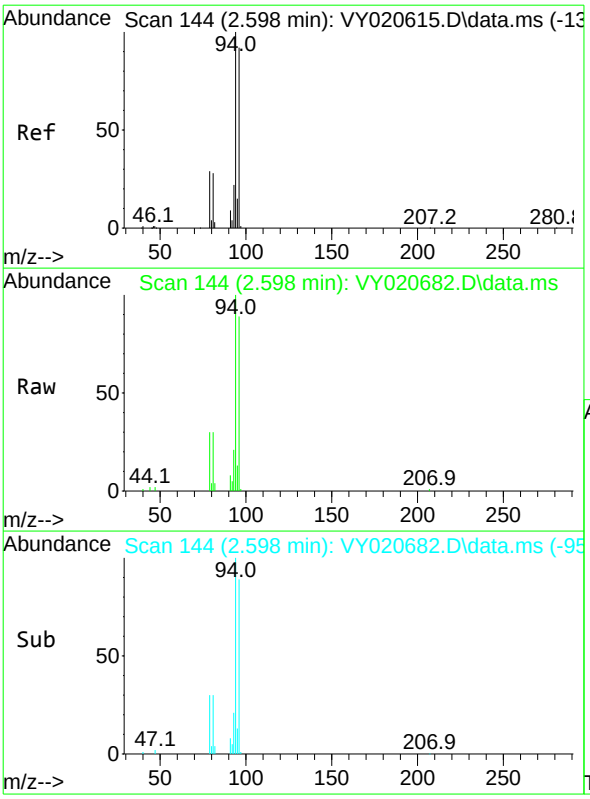


#4
Vinyl Chloride
Concen: 30.430 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 62 Resp: 37701

Ion	Ratio	Lower	Upper
62	100		
64	30.1	25.3	37.9

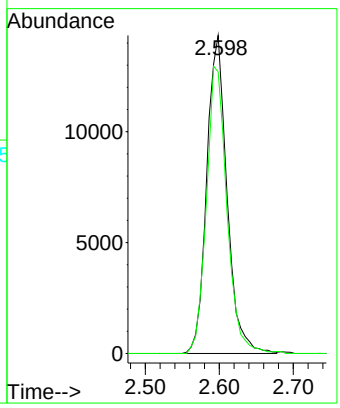




#5
Bromomethane
Concen: 34.241 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 94 Resp: 27270

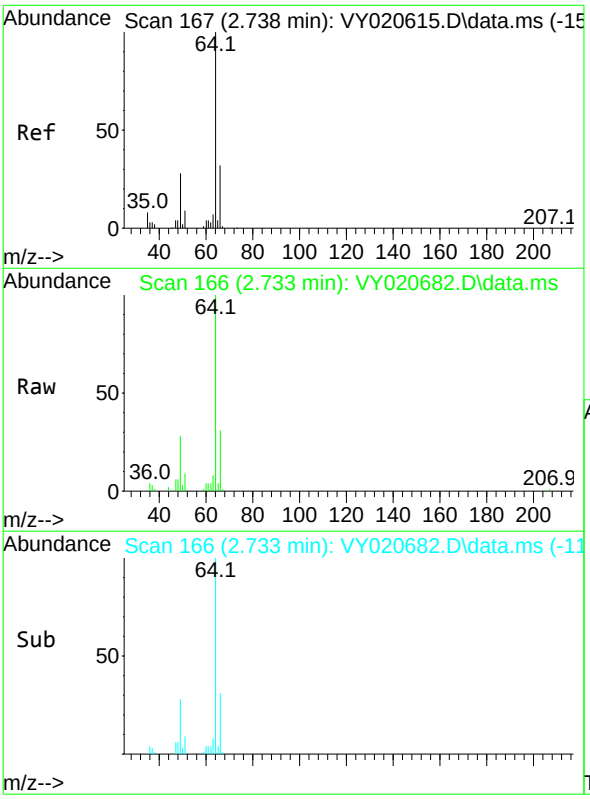
Ion	Ratio	Lower	Upper
94	100		
96	88.6	73.8	110.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

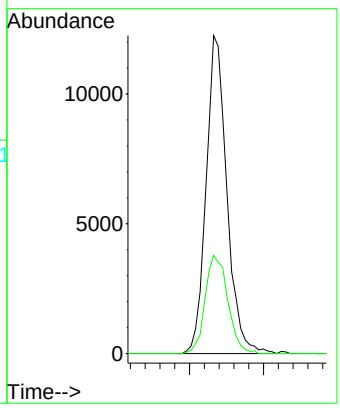
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

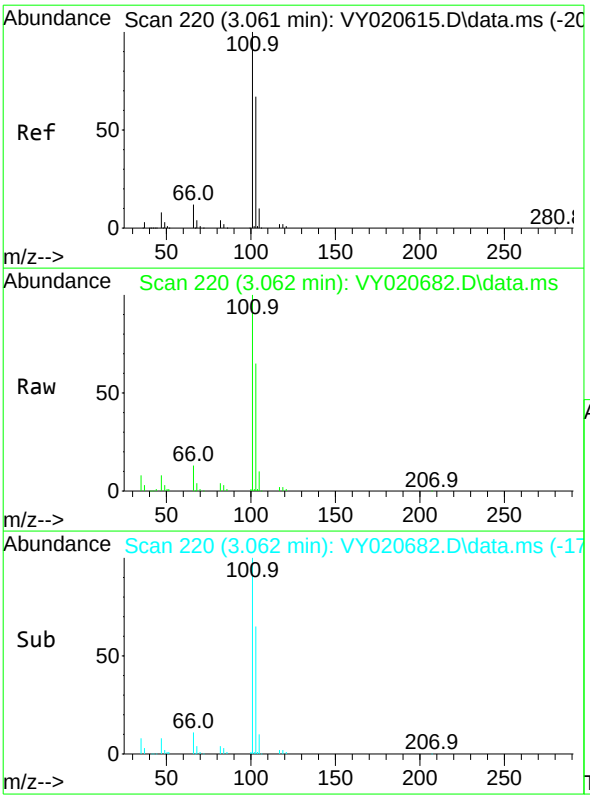


#6
Chloroethane
Concen: 31.154 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 64 Resp: 23852

Ion	Ratio	Lower	Upper
64	100		
66	30.9	25.8	38.6

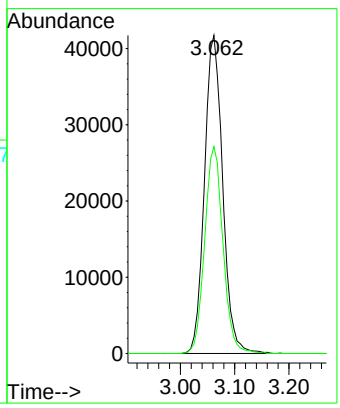




#7
Trichlorofluoromethane
Concen: 37.582 ug/l
RT: 3.062 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:101 Resp: 97429

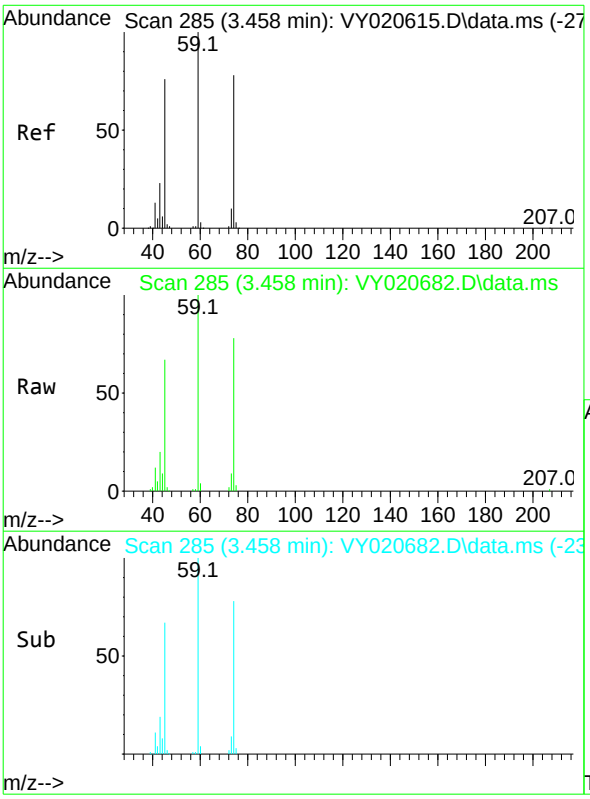
Ion	Ratio	Lower	Upper
101	100		
103	65.0	53.4	80.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

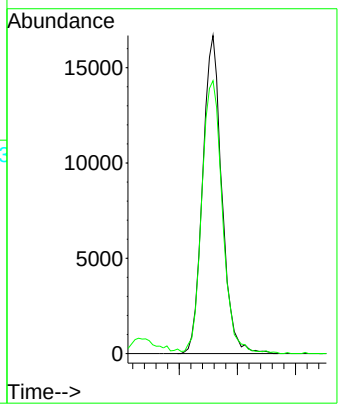
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

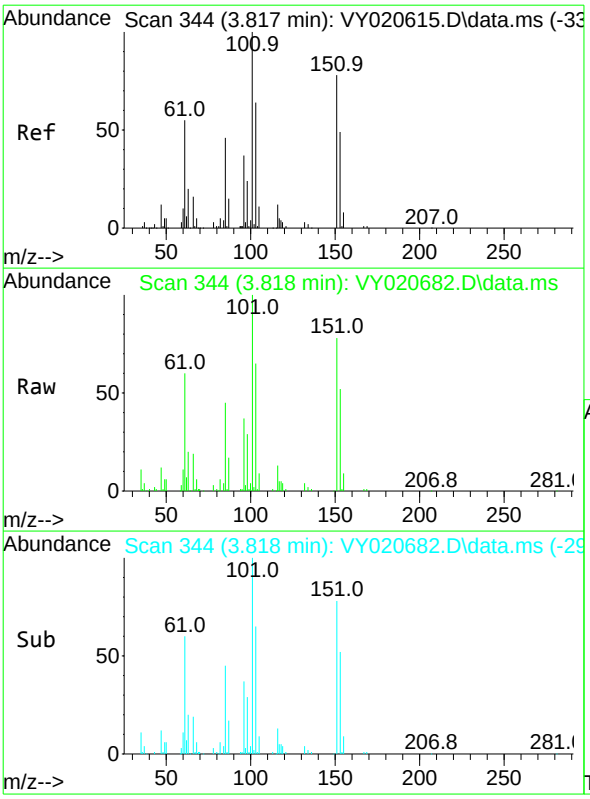


#8
Diethyl Ether
Concen: 41.896 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 74 Resp: 38091

Ion	Ratio	Lower	Upper
74	100		
45	93.0	49.0	147.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 39.189 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:101 Resp: 72820

Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.6	54.8
151	77.5	61.5	92.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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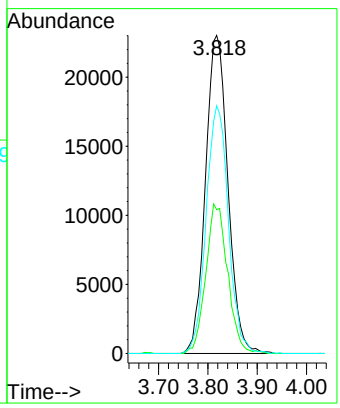
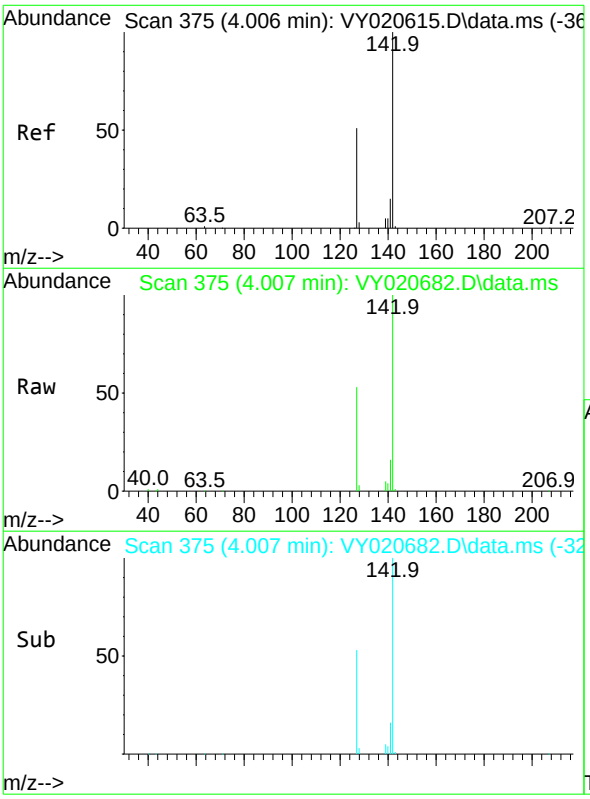
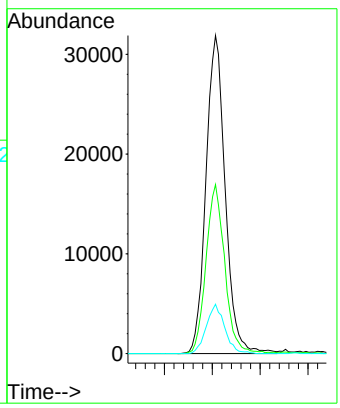


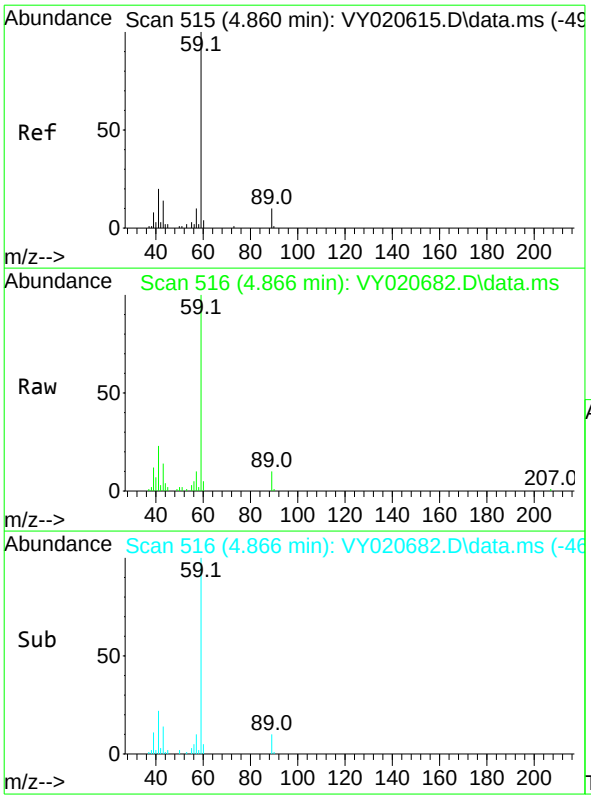


#10
Methyl Iodide
Concen: 43.050 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.001 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:142 Resp: 89063

Ion	Ratio	Lower	Upper
142	100		
127	51.8	40.6	61.0
141	14.8	11.7	17.5

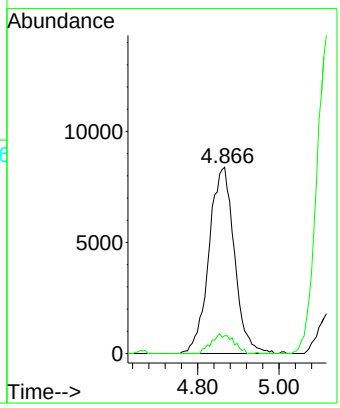




#11
Tert butyl alcohol
Concen: 213.879 ug/l
RT: 4.866 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 59 Resp: 36300

Ion	Ratio	Lower	Upper
59	100		
57	9.2	7.4	11.0



Instrument :
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ClientSampleId :
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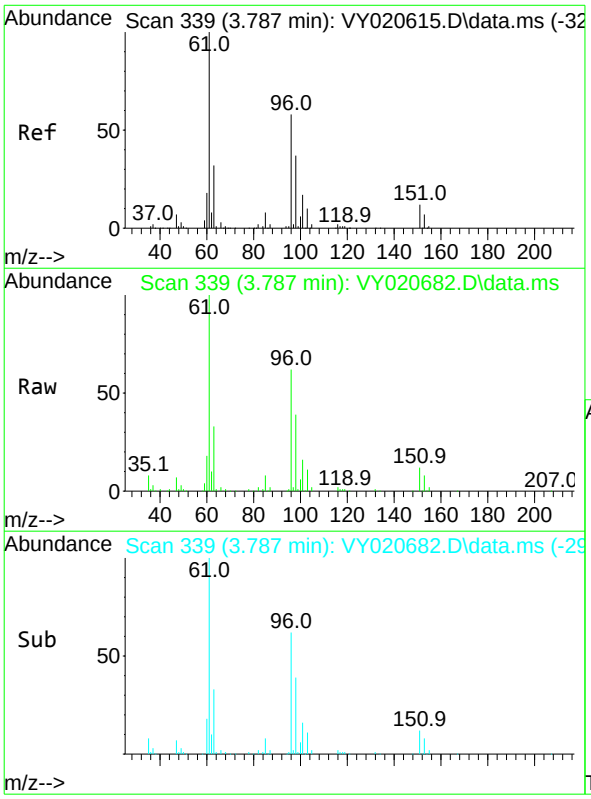
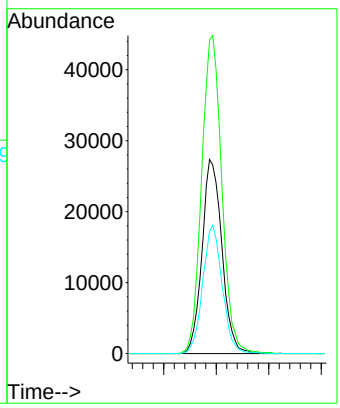
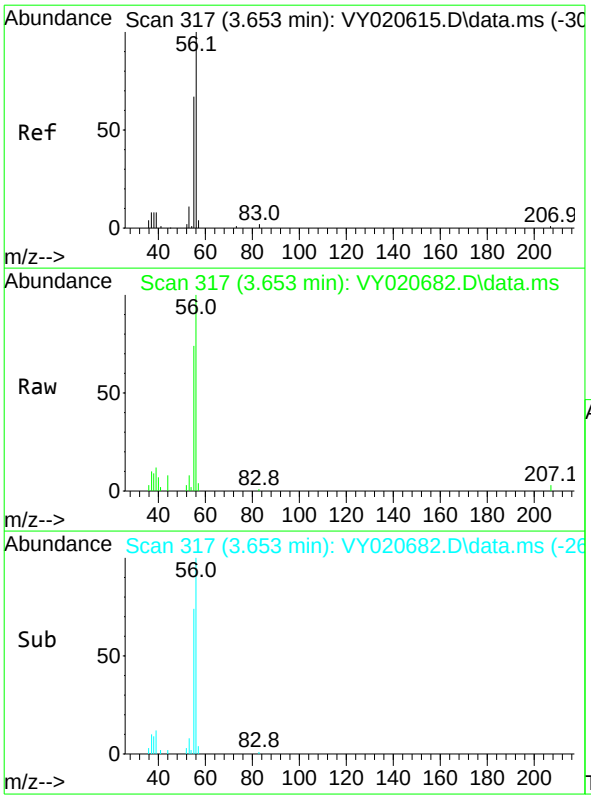


#12
1,1-Dichloroethene
Concen: 39.896 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 96 Resp: 71932

Ion	Ratio	Lower	Upper
96	100		
61	161.5	136.9	205.3
98	63.0	50.2	75.4

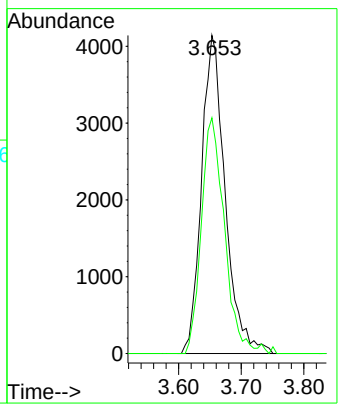




#13
Acrolein
Concen: 145.691 ug/l
RT: 3.653 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 56 Resp: 10852

Ion	Ratio	Lower	Upper
56	100		
55	71.7	57.5	86.3



Instrument :
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ClientSampleId :
VSTDCCC050EC

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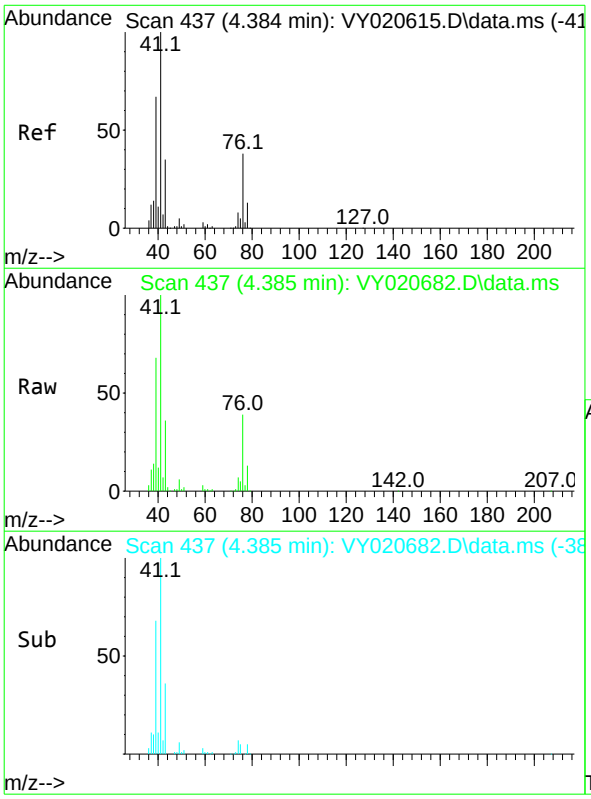
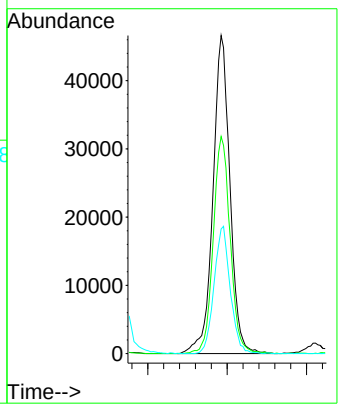
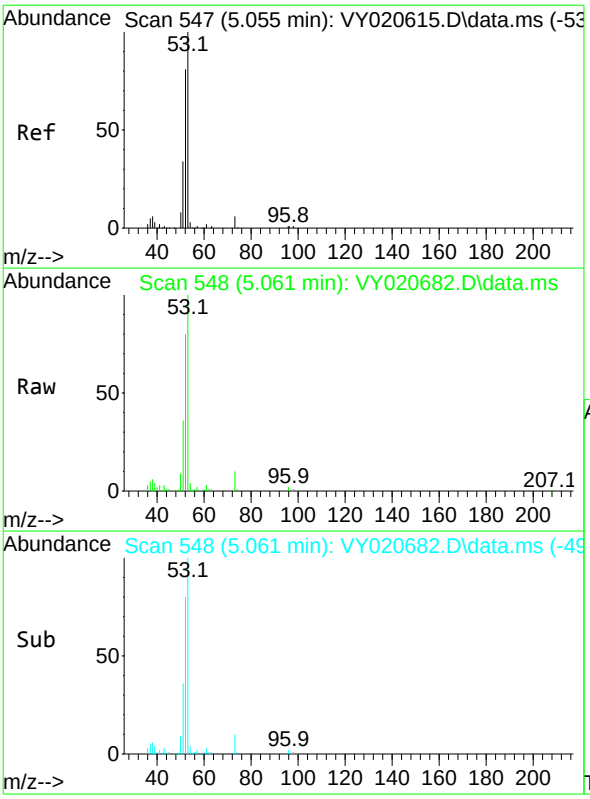


#14
Allyl chloride
Concen: 43.827 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 41 Resp: 138460

Ion	Ratio	Lower	Upper
41	100		
39	68.0	53.0	79.4
76	38.0	29.5	44.3

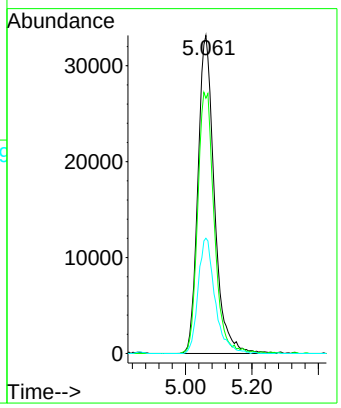




#15
Acrylonitrile
Concen: 262.307 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 53 Resp: 114092

Ion	Ratio	Lower	Upper
53	100		
52	82.5	64.5	96.7
51	37.2	29.4	44.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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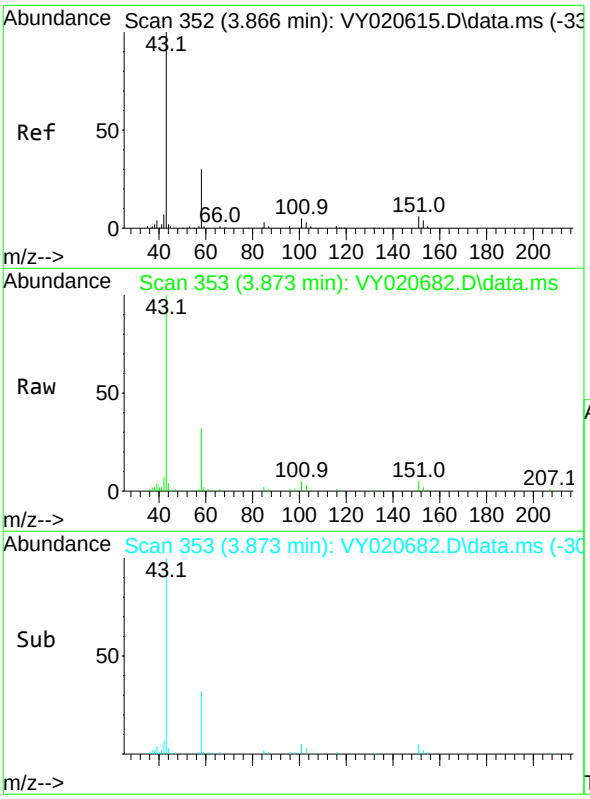
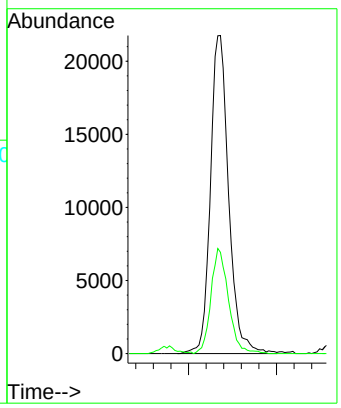
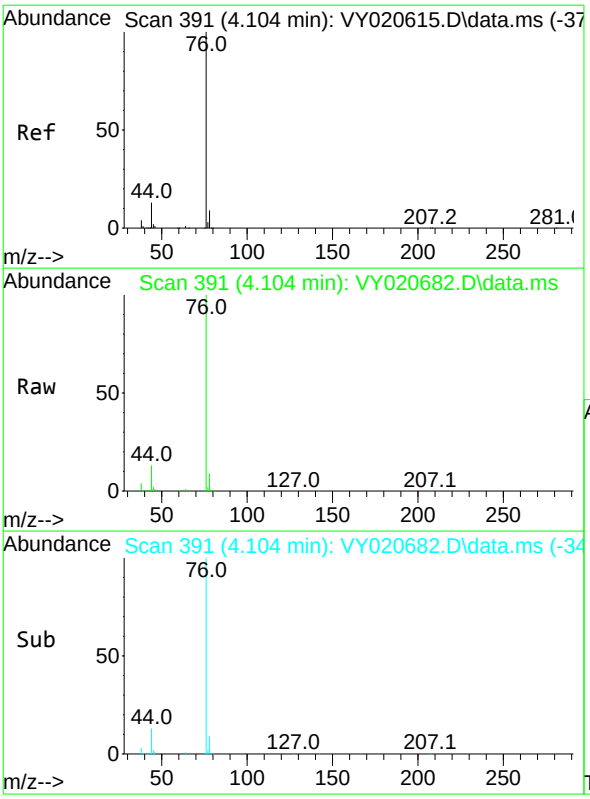


#16
Acetone
Concen: 198.675 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.007 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 43 Resp: 62589

Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.0	37.6

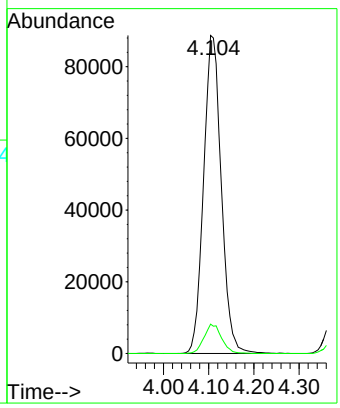




#17
Carbon Disulfide
Concen: 41.052 ug/l
RT: 4.104 min Scan# 39
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 76 Resp: 240927

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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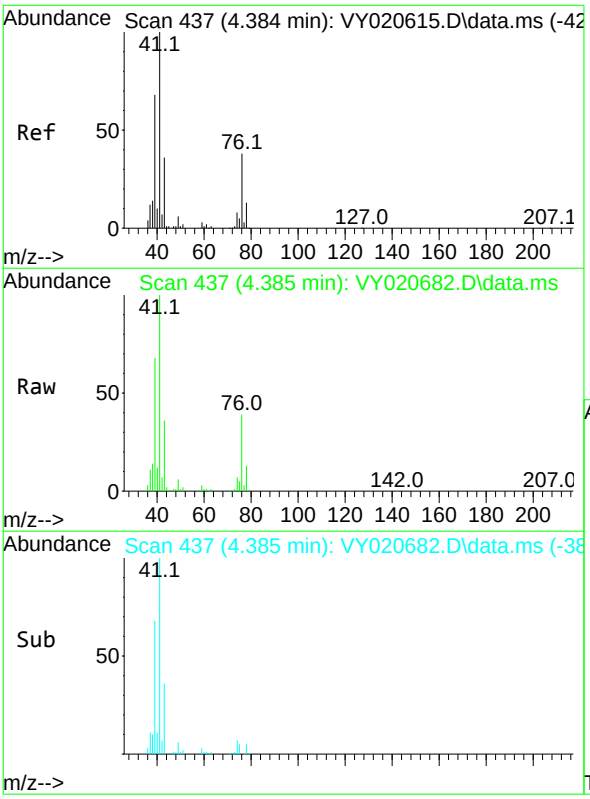
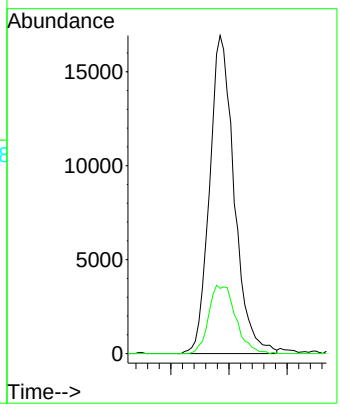
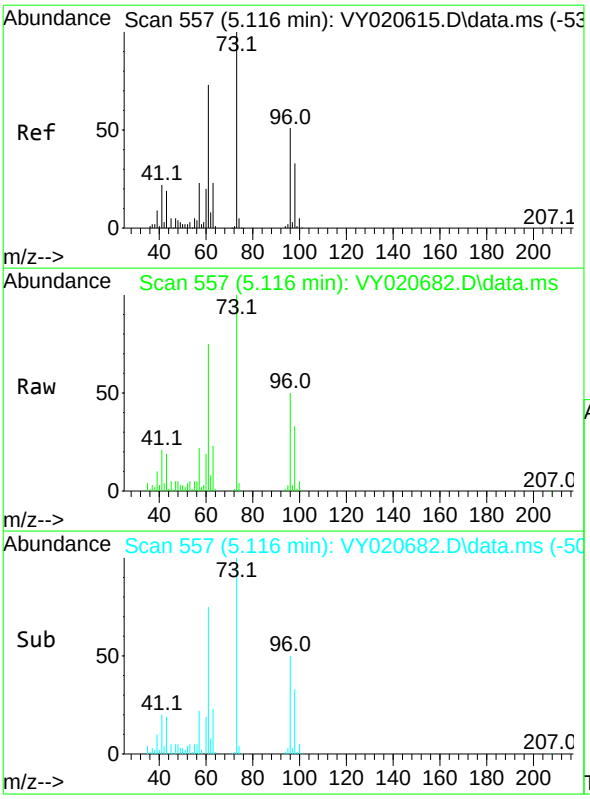


#18
Methyl Acetate
Concen: 46.480 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 43 Resp: 49816

Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.2	28.8

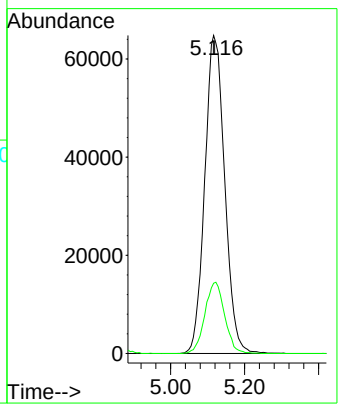




#19
Methyl tert-butyl Ether
Concen: 52.095 ug/l
RT: 5.116 min Scan# 55
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 73 Resp: 242425

Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.5	27.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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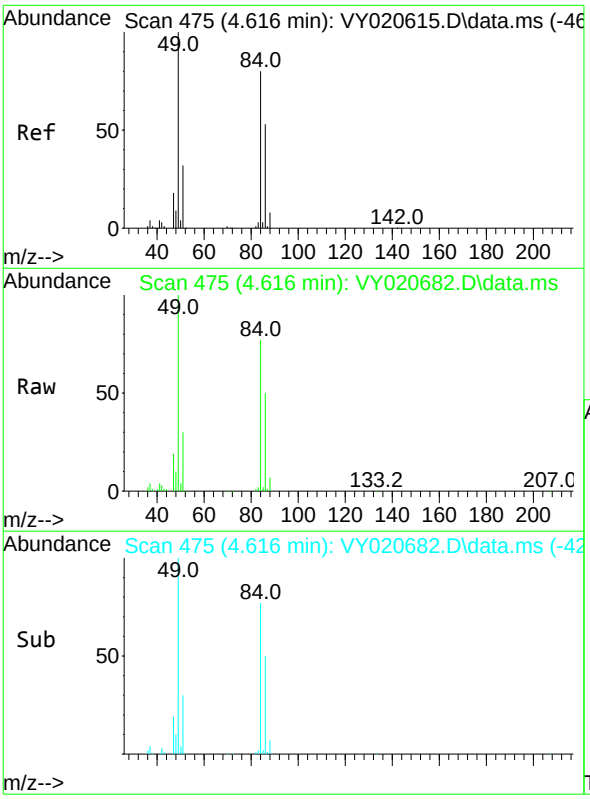
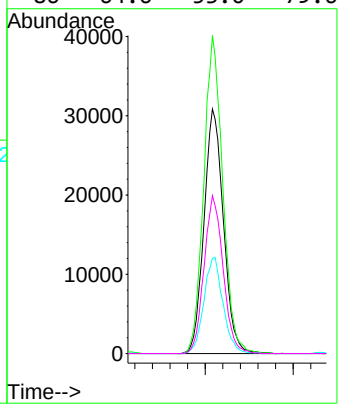
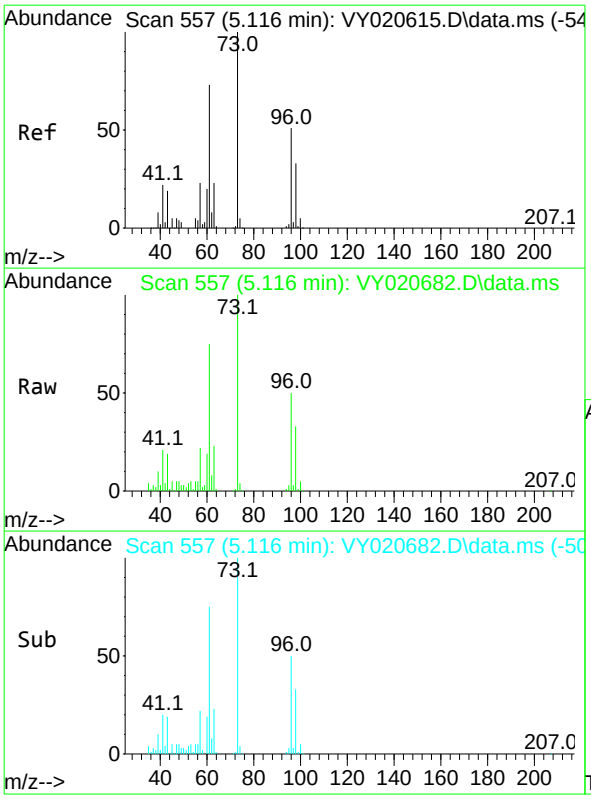


#20
Methylene Chloride
Concen: 48.394 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 84 Resp: 94785

Ion	Ratio	Lower	Upper
84	100		
49	130.0	100.7	151.1
51	38.9	32.2	48.2
86	64.6	53.0	79.6

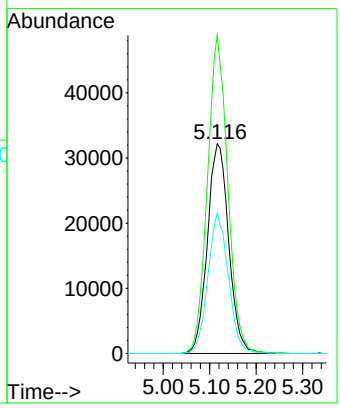




#21
trans-1,2-Dichloroethene
Concen: 50.685 ug/l
RT: 5.116 min Scan# 55
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 96 Resp: 102508

Ion	Ratio	Lower	Upper
96	100		
61	151.6	113.7	170.5
98	67.0	51.7	77.5



Instrument :
MSVOA_Y
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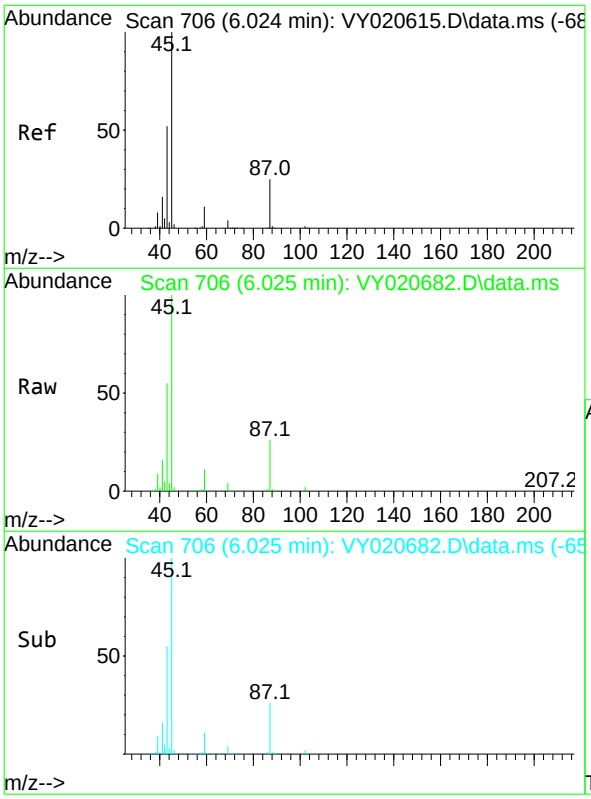
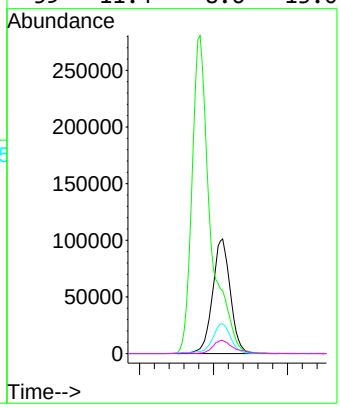
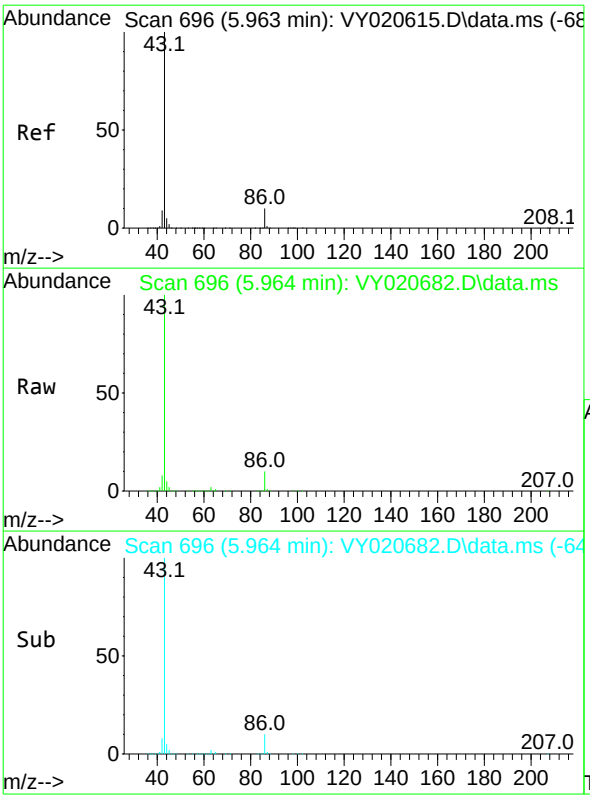


#22
Diisopropyl ether
Concen: 52.616 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 45 Resp: 337414

Ion	Ratio	Lower	Upper
45	100		
43	54.5	42.6	64.0
87	25.9	20.6	31.0
59	11.4	8.6	13.0

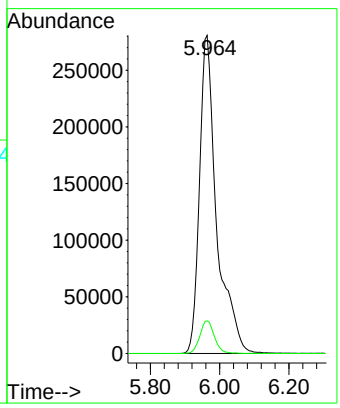




#23
Vinyl Acetate
Concen: 266.302 ug/l
RT: 5.964 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 43 Resp: 967217

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.1	12.1



Instrument :
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ClientSampleId :
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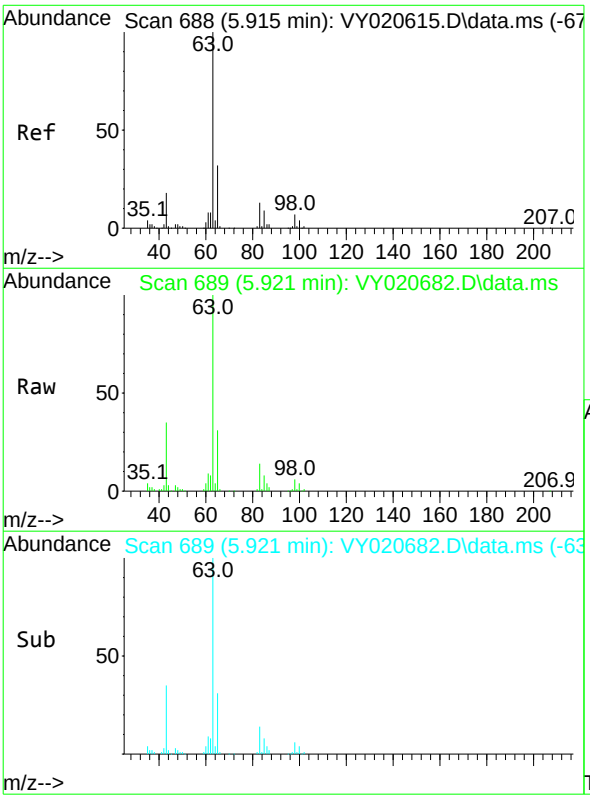
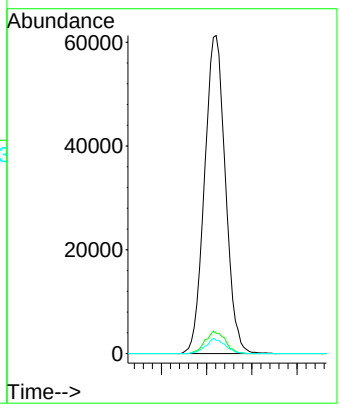
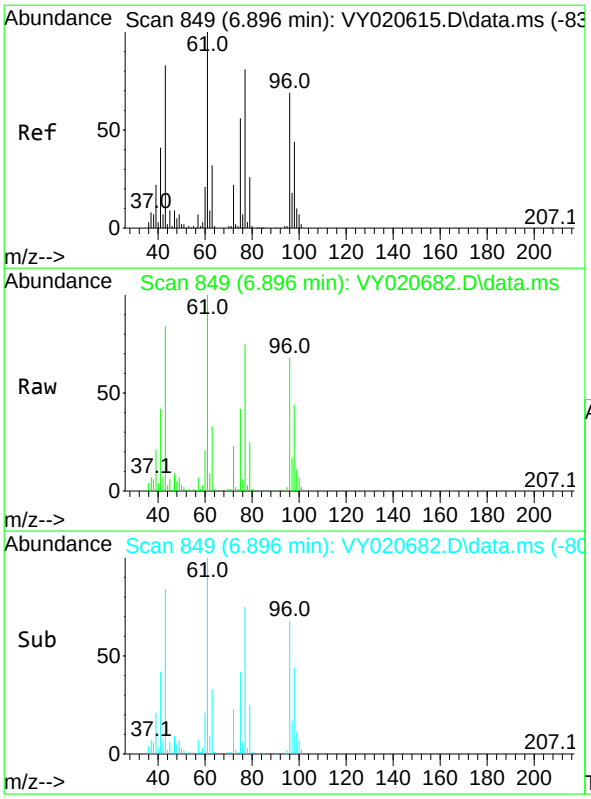


#24
1,1-Dichloroethane
Concen: 52.280 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 63 Resp: 196407

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.4	10.1
100	4.2	2.1	6.5

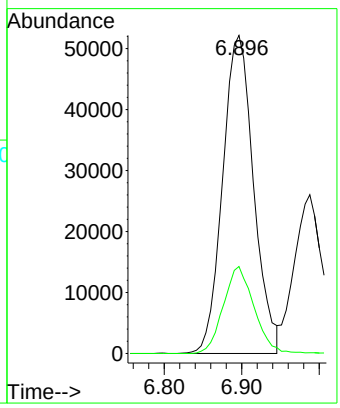




#25
2-Butanone
Concen: 247.823 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 43 Resp: 145082

Ion	Ratio	Lower	Upper
43	100		
72	27.4	20.6	31.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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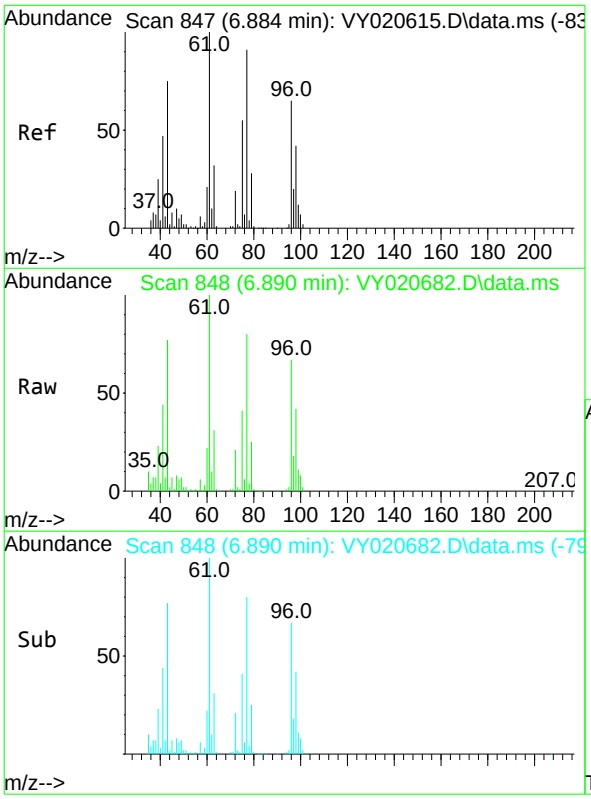
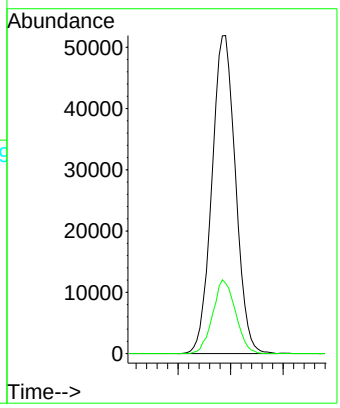
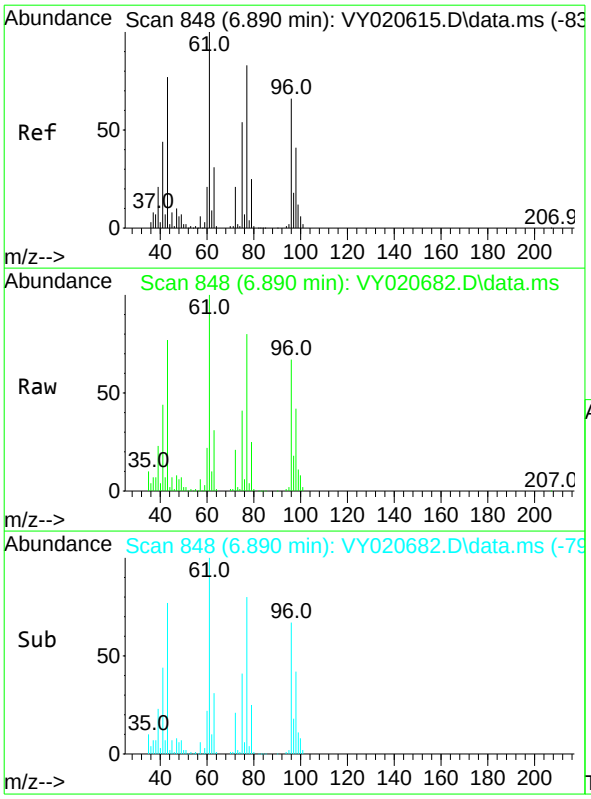


#26
2,2-Dichloropropane
Concen: 45.653 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 77 Resp: 162135

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.9	32.6

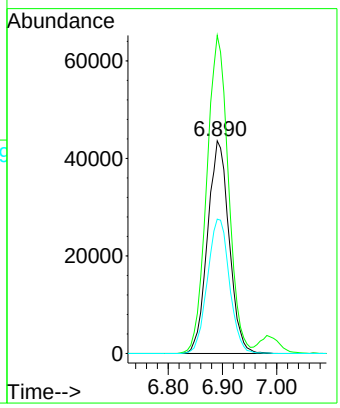




#27
cis-1,2-Dichloroethene
Concen: 51.699 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 96 Resp: 120298

Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	306.2
98	64.6	0.0	127.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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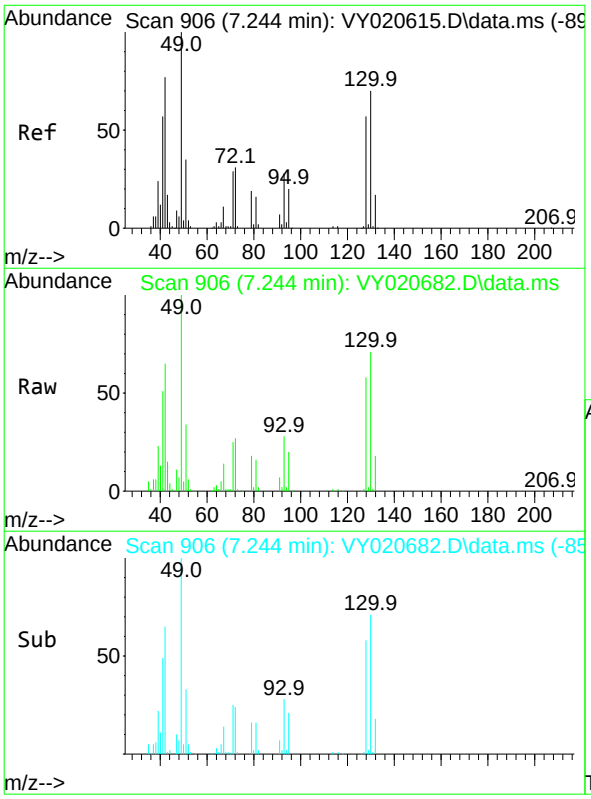
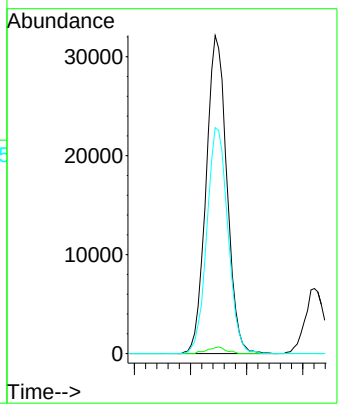
Supervised By :Mahesh Dadoda 12/24/2024

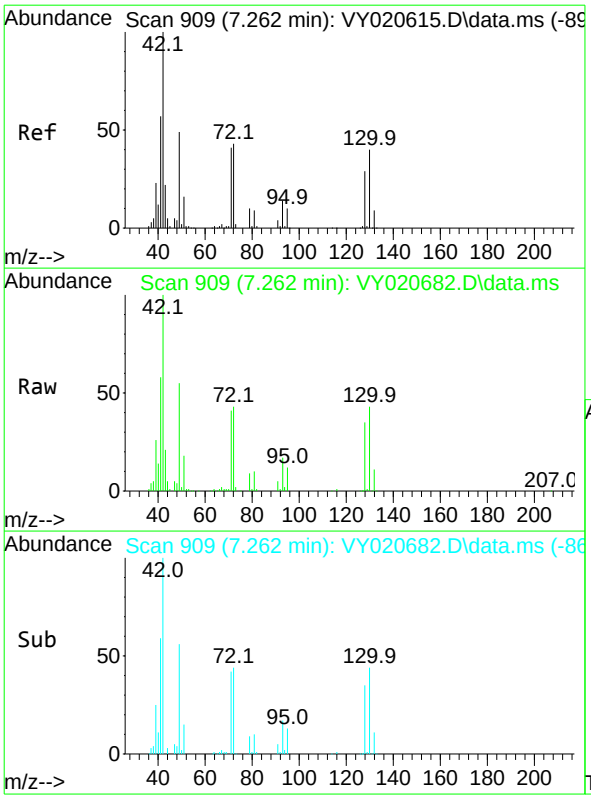


#28
Bromochloromethane
Concen: 65.015 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 49 Resp: 82386

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	72.1	58.3	87.5

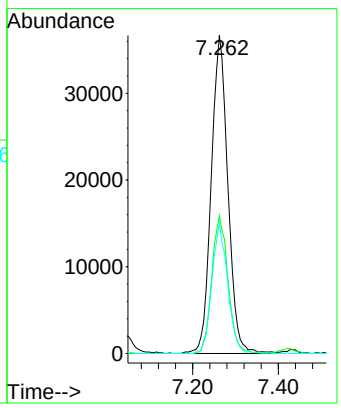




#29
Tetrahydrofuran
Concen: 268.209 ug/l
RT: 7.262 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 42 Resp: 99121

Ion	Ratio	Lower	Upper
42	100		
72	42.2	34.0	51.0
71	38.9	31.6	47.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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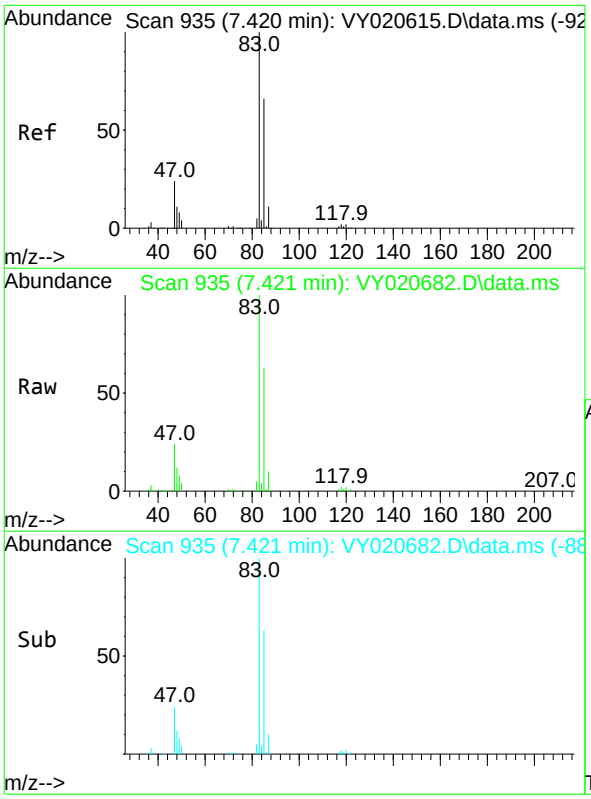
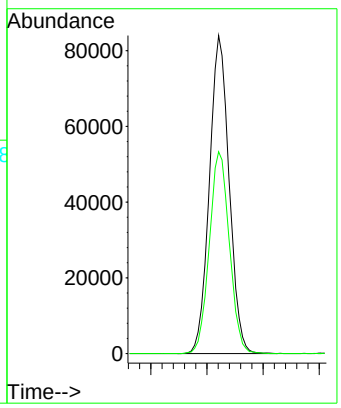
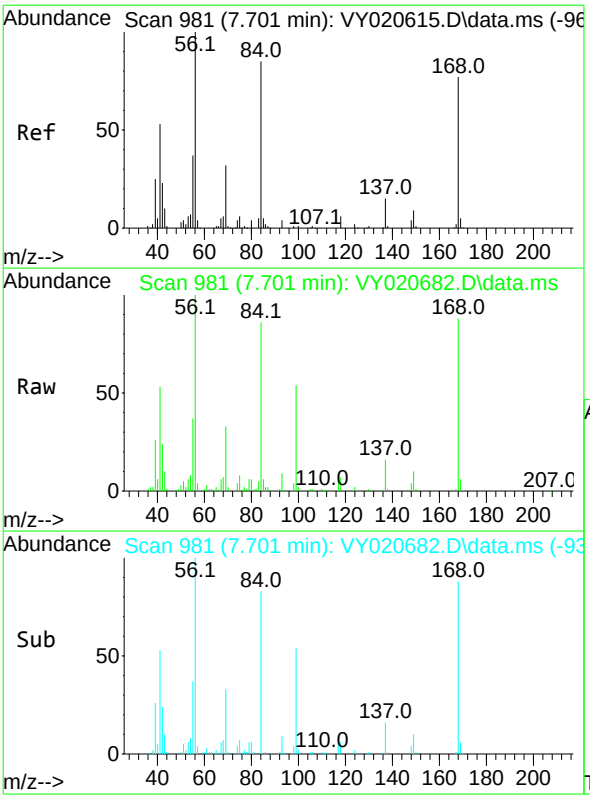


#30
Chloroform
Concen: 54.780 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.001 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 83 Resp: 204738

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.7	79.1

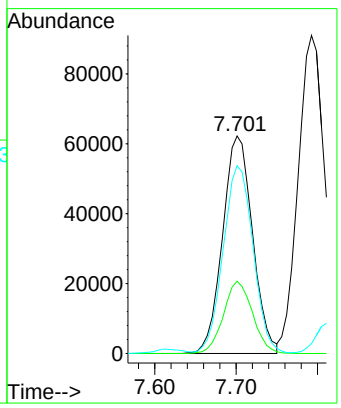




#31
Cyclohexane
Concen: 44.289 ug/l
RT: 7.701 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 56 Resp: 159093

Ion	Ratio	Lower	Upper
56	100		
69	33.2	25.4	38.0
84	84.8	68.3	102.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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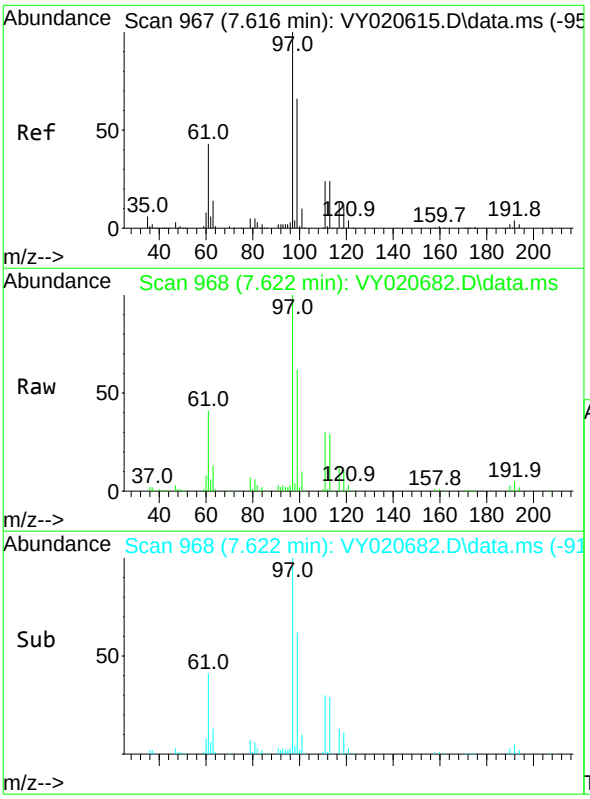
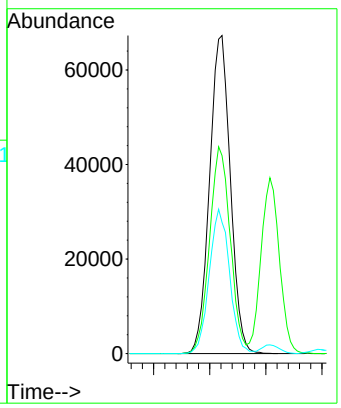
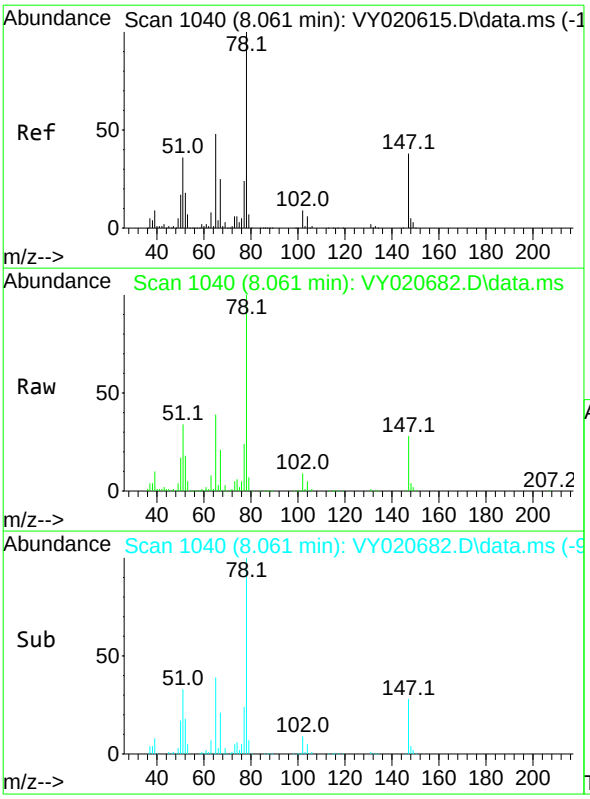


#32
1,1,1-Trichloroethane
Concen: 50.188 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 97 Resp: 173221

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	44.4	34.7	52.1





#33
1,2-Dichloroethane-d4
Concen: 43.111 ug/l
RT: 8.061 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 65 Resp: 67912

Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	108.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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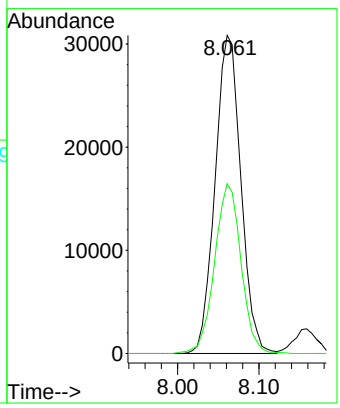
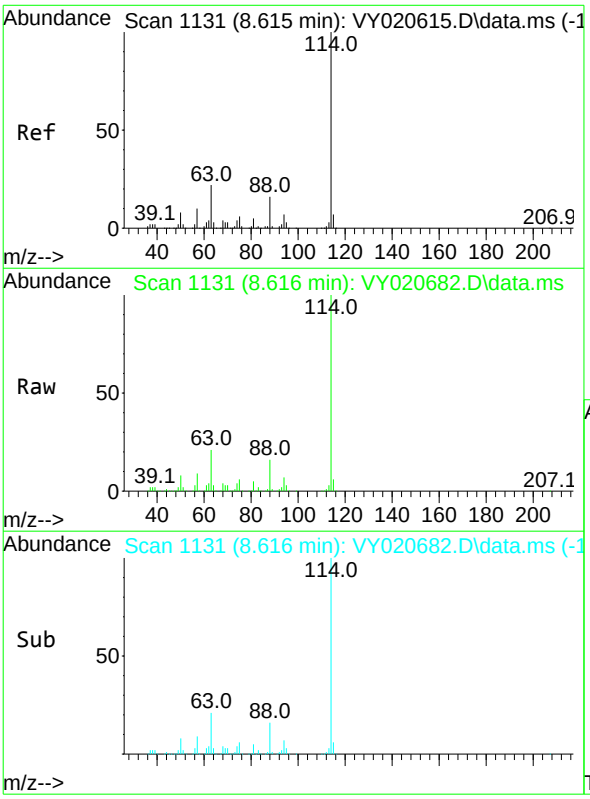
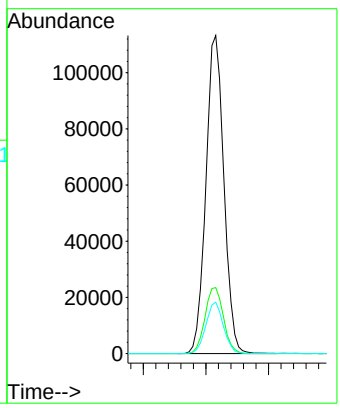


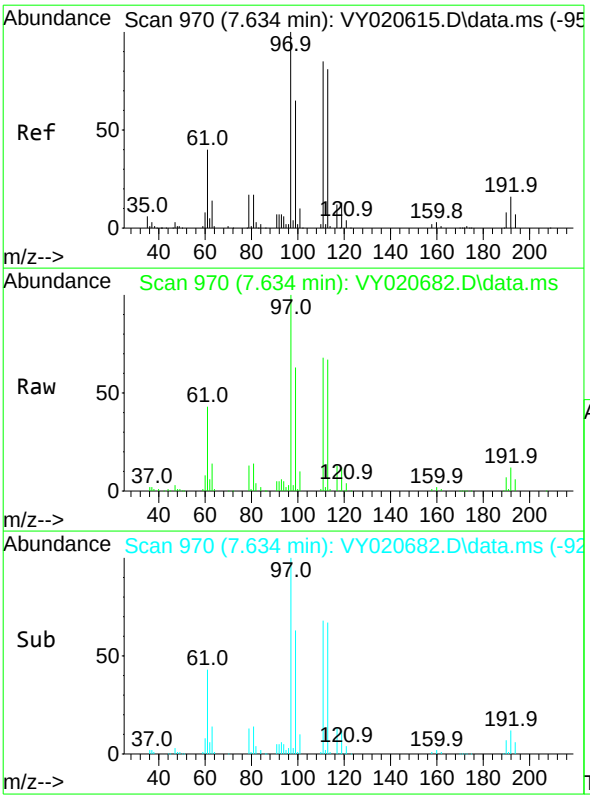


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:114 Resp: 225180

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	44.0
88	16.2	0.0	32.8

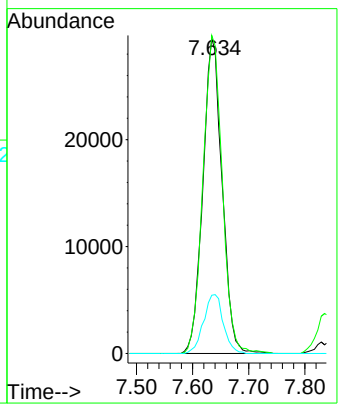




#35
Dibromofluoromethane
Concen: 44.159 ug/l
RT: 7.634 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:113 Resp: 70081

Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.9	124.3
192	19.1	15.7	23.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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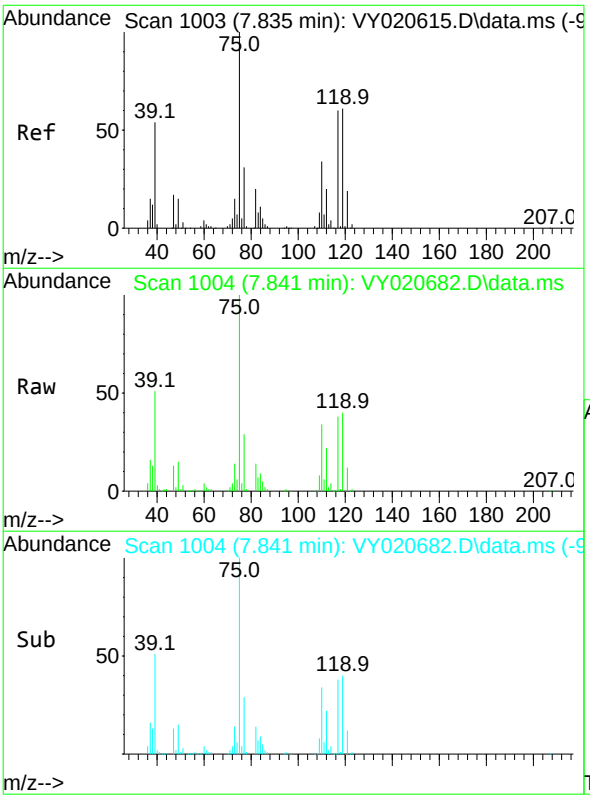
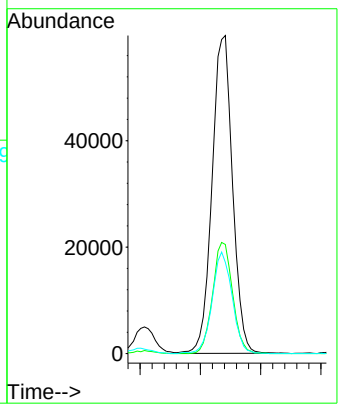
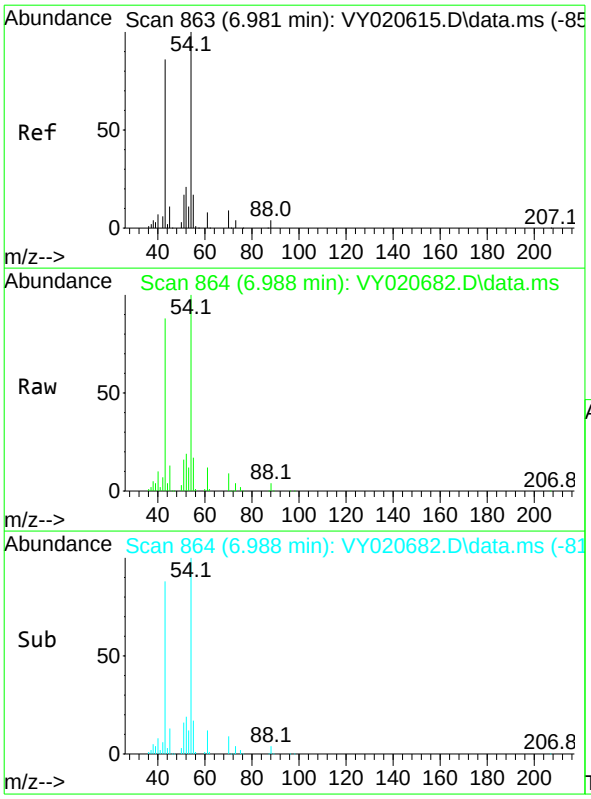


#36
1,1-Dichloropropene
Concen: 48.693 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 75 Resp: 140911

Ion	Ratio	Lower	Upper
75	100		
110	34.1	16.8	50.4
77	31.2	25.0	37.6





#37
Ethyl Acetate
Concen: 50.601 ug/l
RT: 6.988 min Scan# 86
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 43 Resp: 68879

Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.4
70	10.0	7.9	11.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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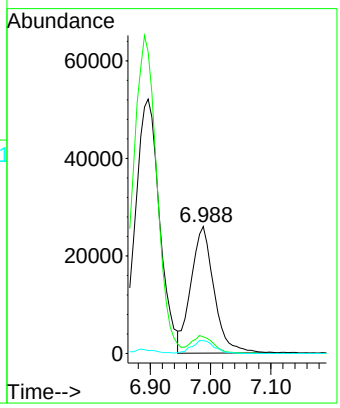
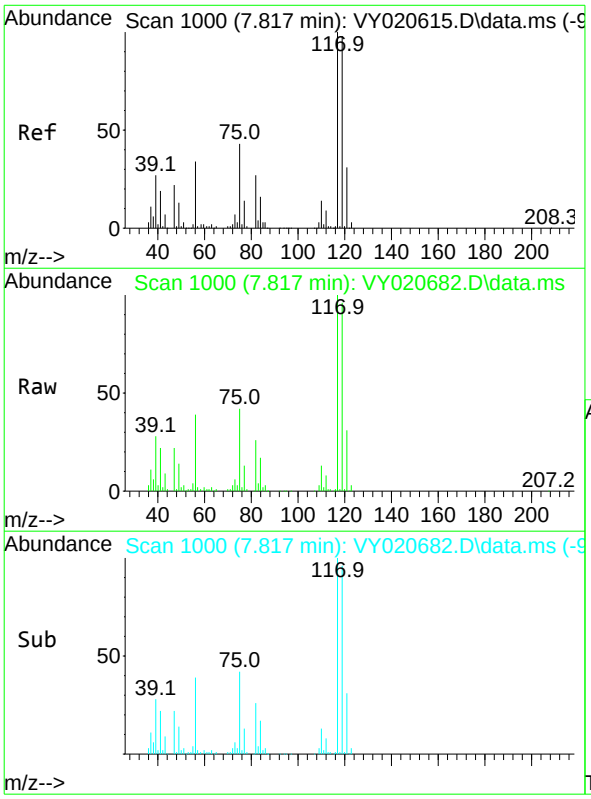
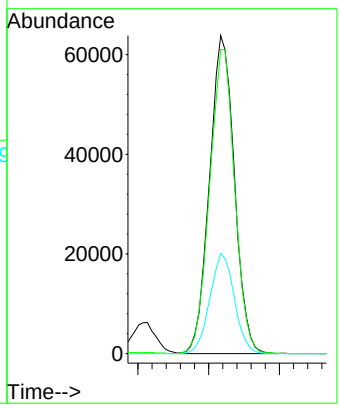


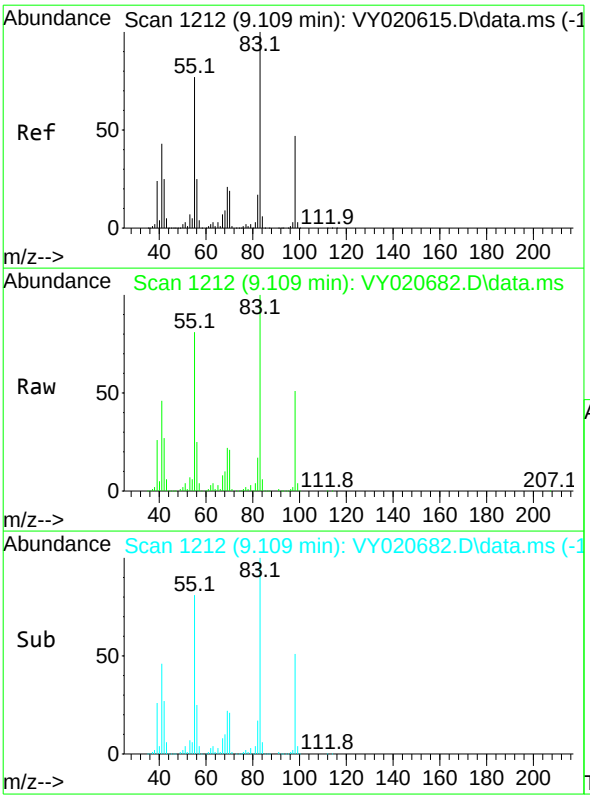


#38
Carbon Tetrachloride
Concen: 48.699 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:117 Resp: 155919

Ion	Ratio	Lower	Upper
117	100		
119	95.6	78.3	117.5
121	31.5	25.1	37.7





#39
Methylcyclohexane
Concen: 43.957 ug/l
RT: 9.109 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 165792

Ion	Ratio	Lower	Upper
83	100		
55	80.6	61.4	92.0
98	51.1	37.3	55.9

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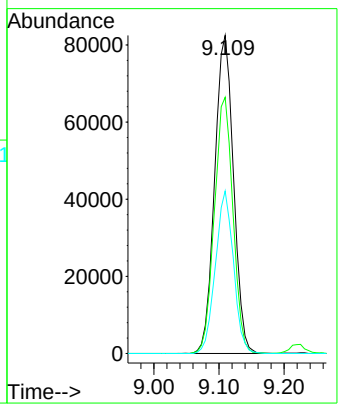
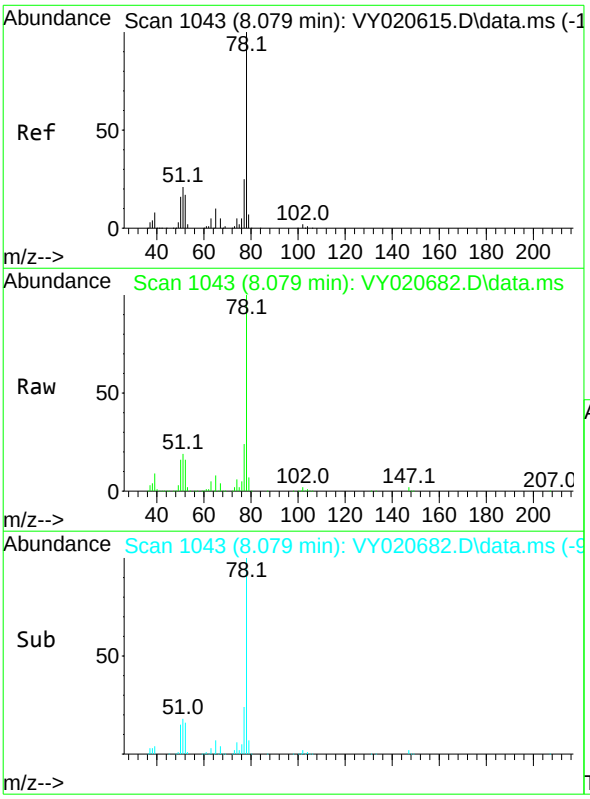
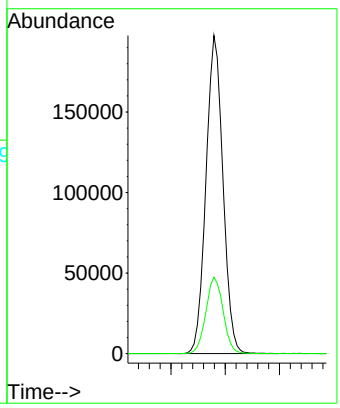


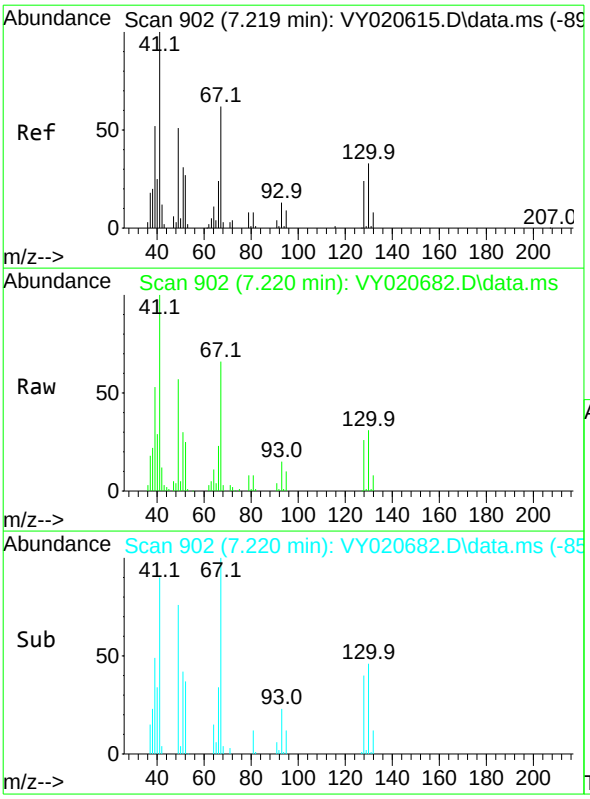


#40
Benzene
Concen: 50.578 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 78 Resp: 429017

Ion	Ratio	Lower	Upper
78	100		
77	24.0	20.1	30.1

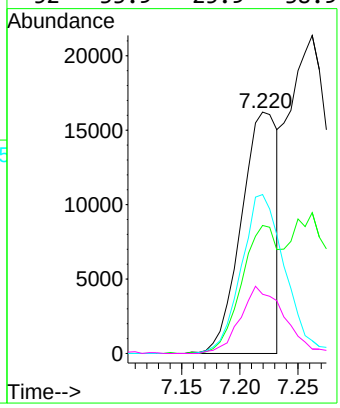




#41
Methacrylonitrile
Concen: 48.692 ug/l
RT: 7.220 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 41 Resp: 35040

Ion	Ratio	Lower	Upper
41	100		
39	51.4	53.6	80.4#
67	79.5	62.0	93.0
52	33.9	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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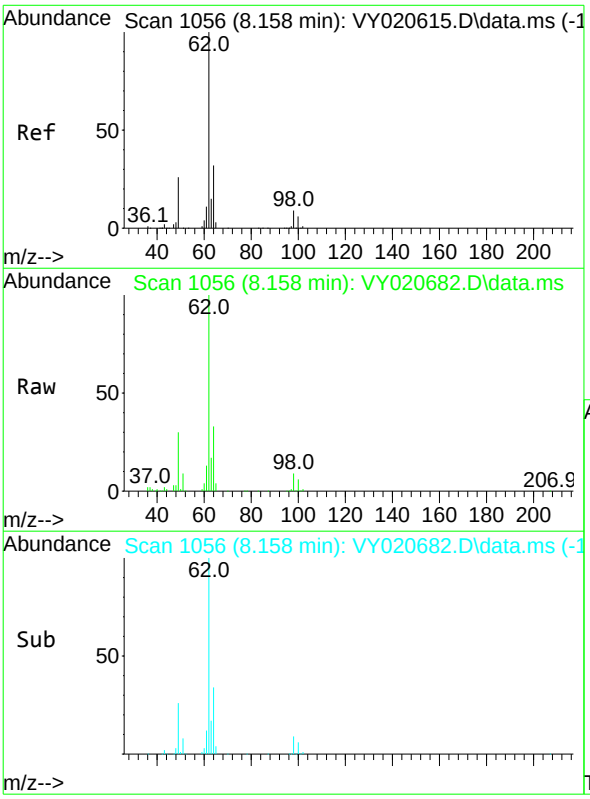
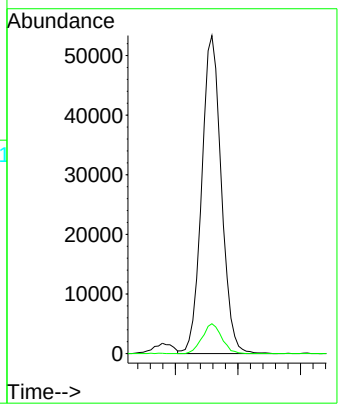
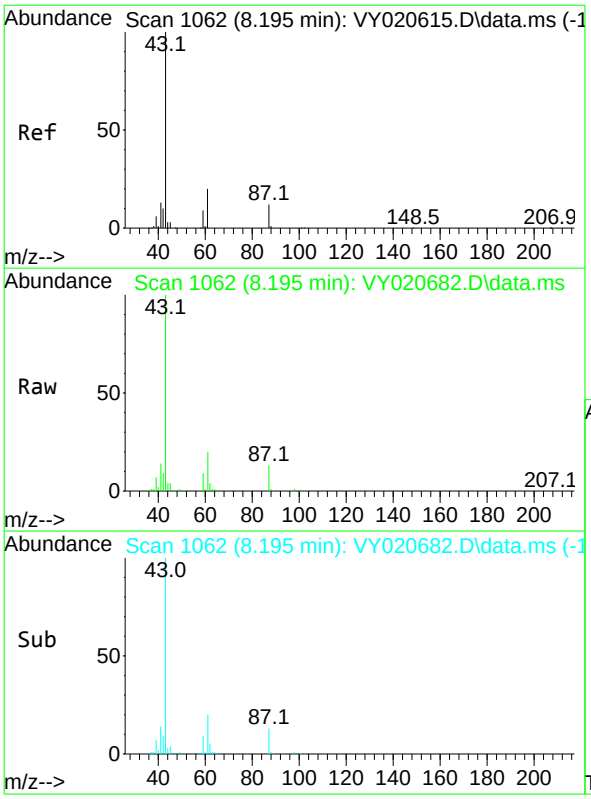


#42
1,2-Dichloroethane
Concen: 51.589 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 62 Resp: 116059

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.0

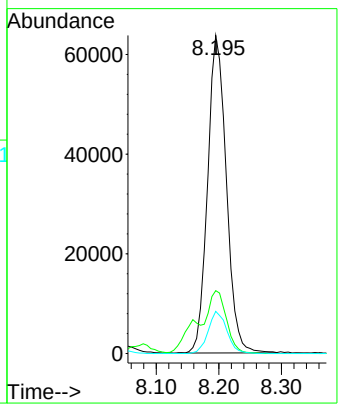




#43
Isopropyl Acetate
Concen: 51.476 ug/l
RT: 8.195 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 43 Resp: 132653

Ion	Ratio	Lower	Upper
43	100		
61	20.1	23.8	35.6#
87	13.2	10.2	15.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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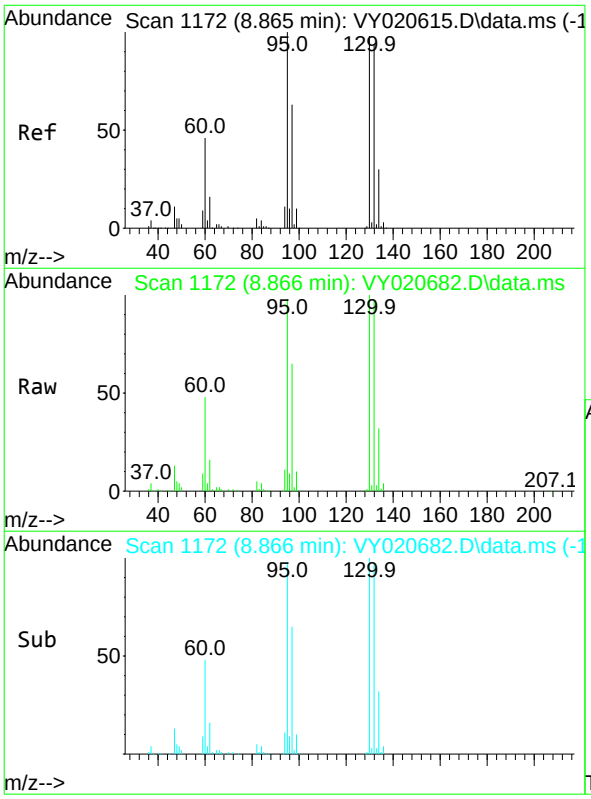
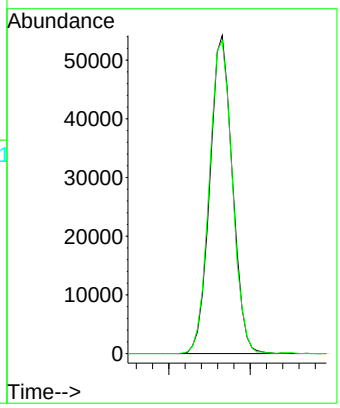
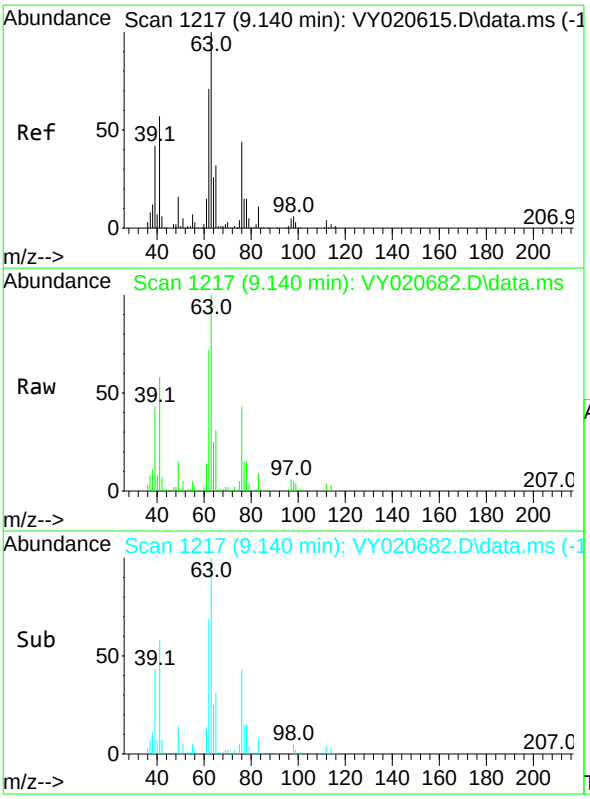


#44
Trichloroethene
Concen: 50.065 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:130 Resp: 104350

Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	203.2

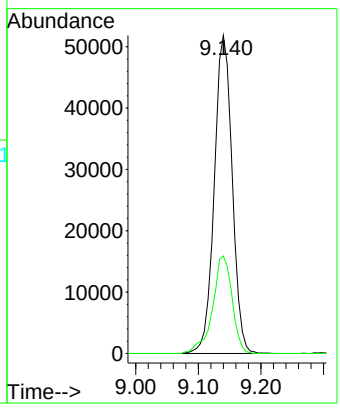




#45
1,2-Dichloropropane
Concen: 51.953 ug/l
RT: 9.140 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 63 Resp: 102993

Ion	Ratio	Lower	Upper
63	100		
65	30.7	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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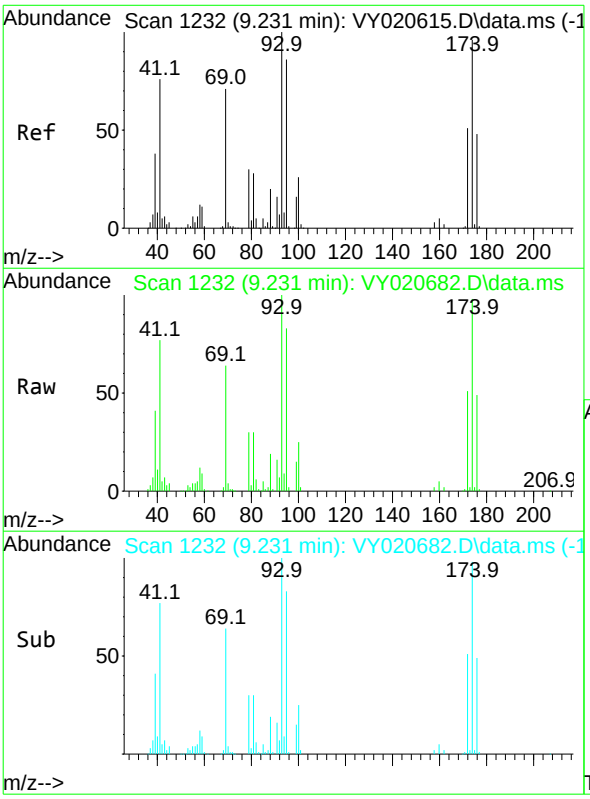
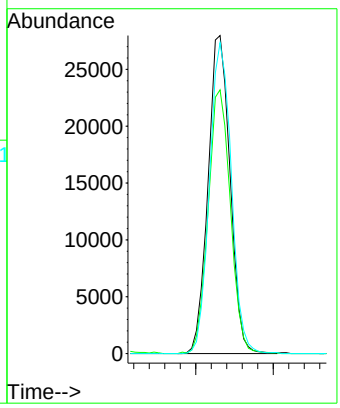
Supervised By :Mahesh Dadoda 12/24/2024

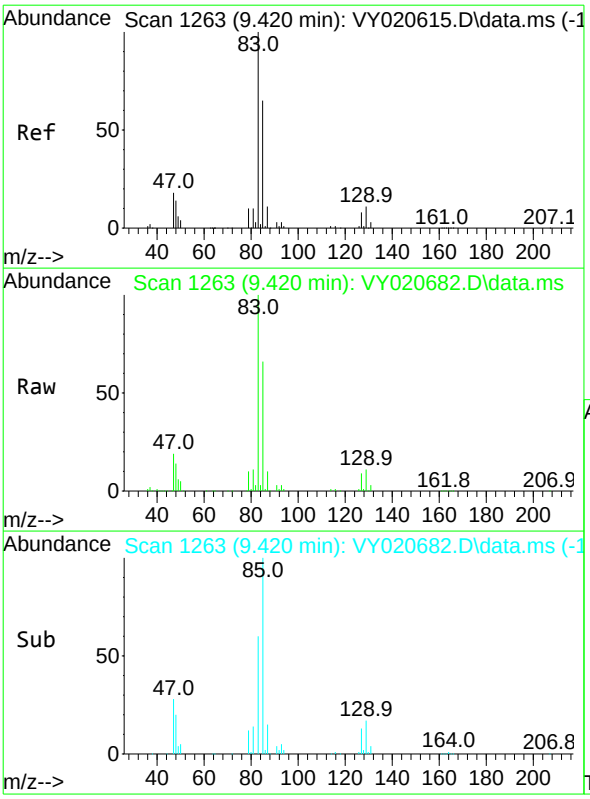


#46
Dibromomethane
Concen: 52.734 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 93 Resp: 55249

Ion	Ratio	Lower	Upper
93	100		
95	83.9	66.7	100.1
174	96.8	77.8	116.6

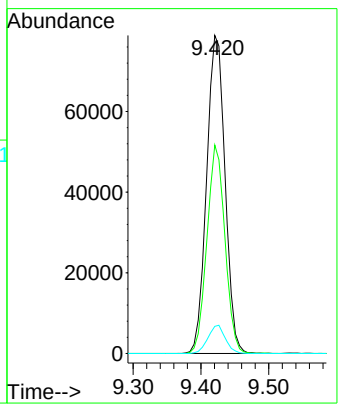




#47
Bromodichloromethane
Concen: 52.643 ug/l
RT: 9.420 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 83 Resp: 148983

Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.1	78.1
127	8.5	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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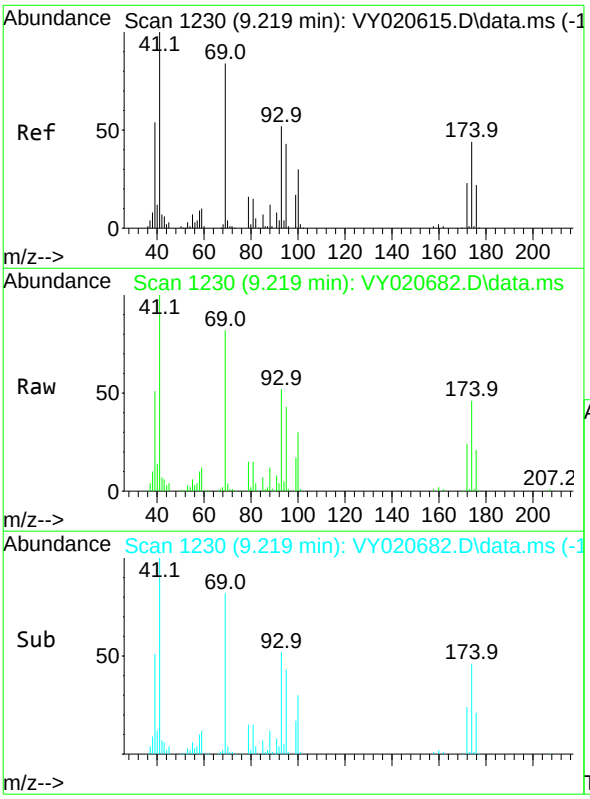
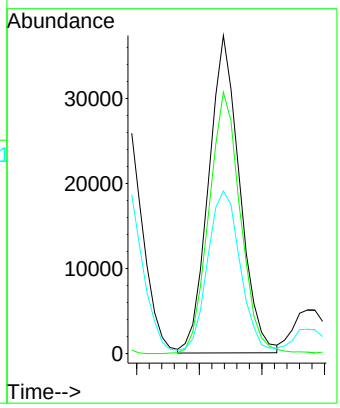
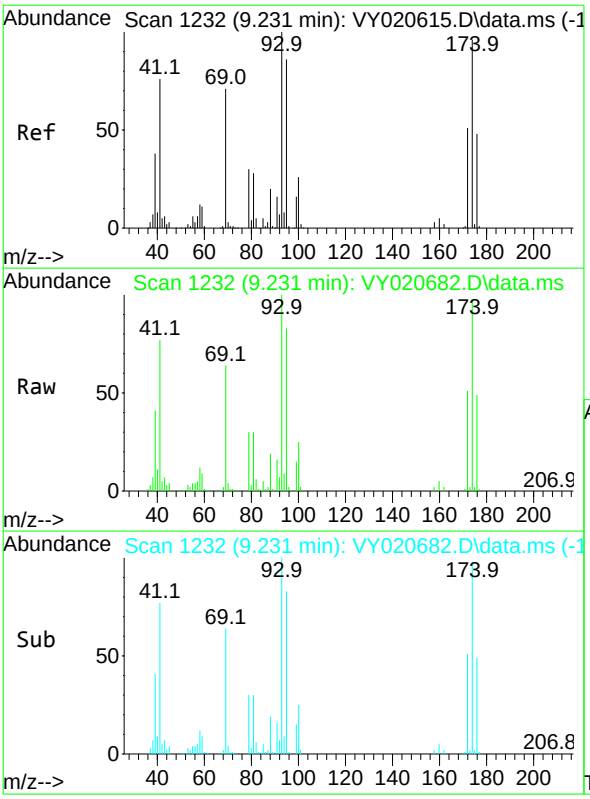


#48
Methyl methacrylate
Concen: 52.516 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 41 Resp: 64336

Ion	Ratio	Lower	Upper
41	100		
69	83.7	67.2	100.8
39	52.0	42.2	63.4

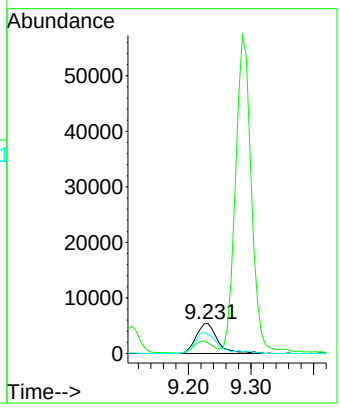




#49
1,4-Dioxane
Concen: 1069.318 ug/l
RT: 9.231 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 88 Resp: 12848

Ion	Ratio	Lower	Upper
88	100		
43	37.9	27.6	41.4
58	69.8	61.7	92.5



Instrument :
MSVOA_Y
ClientSampleId :
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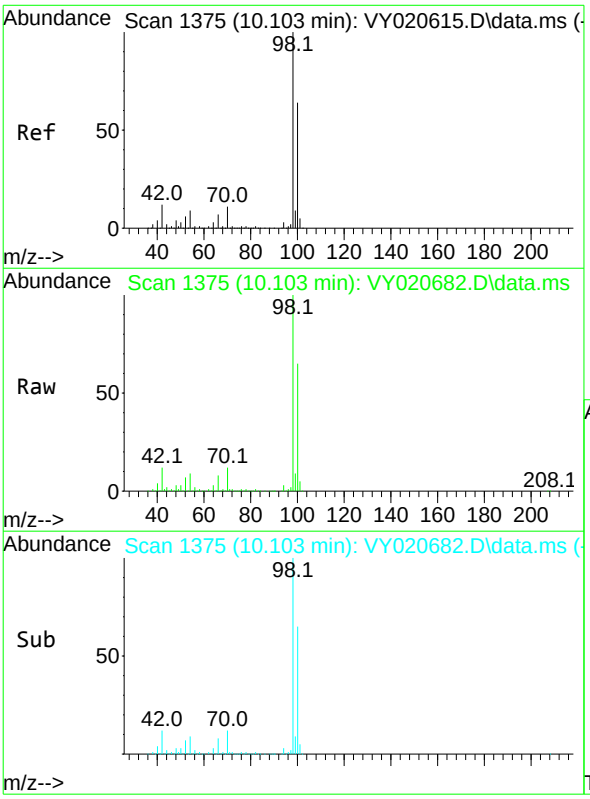
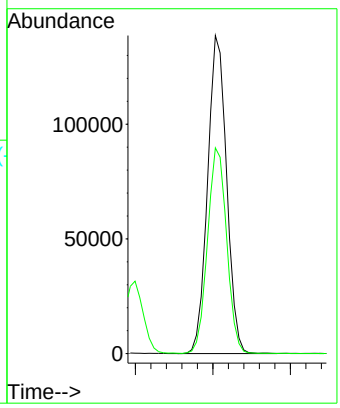
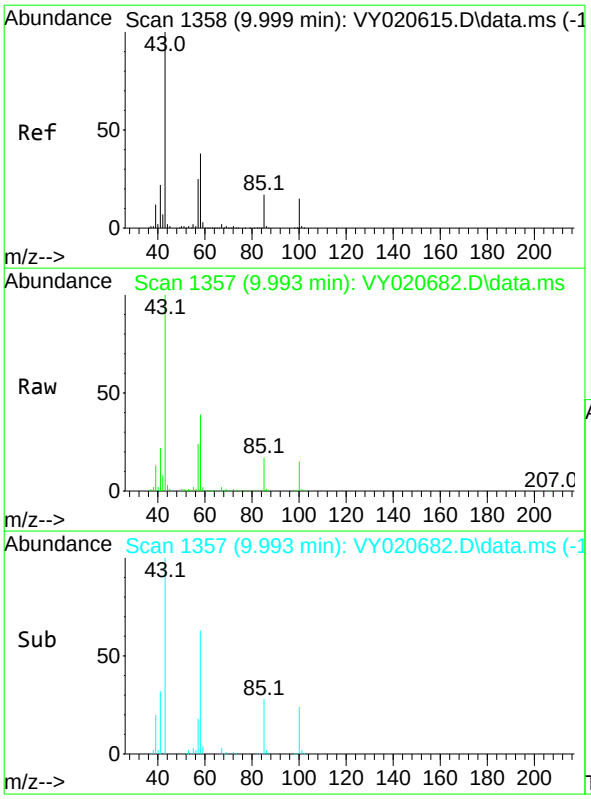


#50
Toluene-d8
Concen: 42.543 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 98 Resp: 236316

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 255.175 ug/l
RT: 9.993 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 43 Resp: 347100

Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.4	47.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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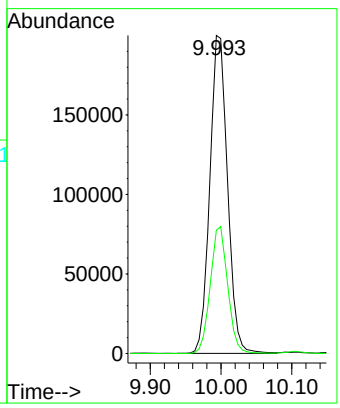
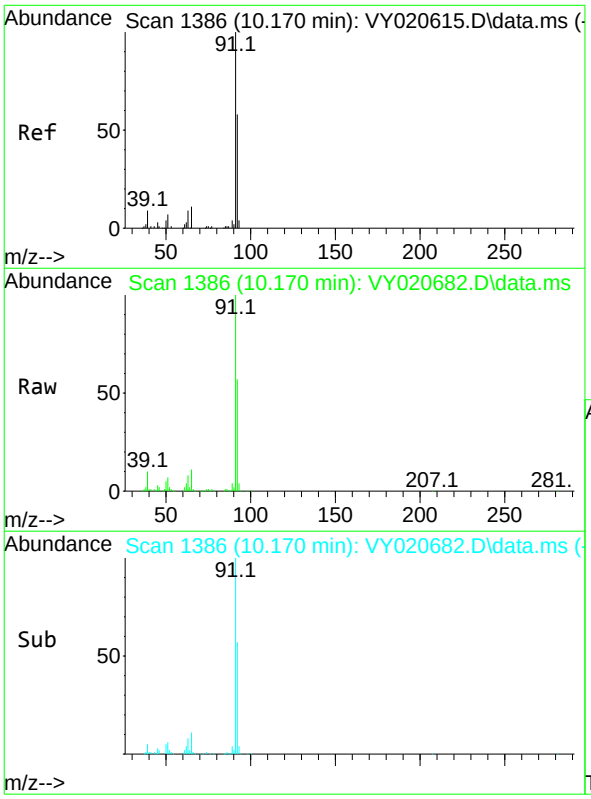
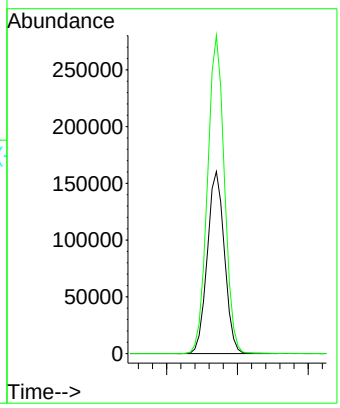


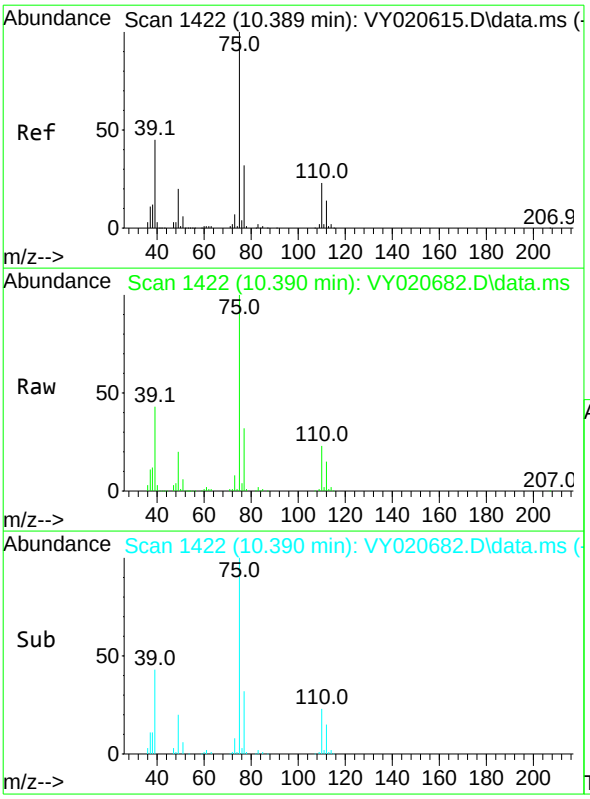


#52
Toluene
Concen: 51.164 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 92 Resp: 269709

Ion	Ratio	Lower	Upper
92	100		
91	172.5	137.4	206.0

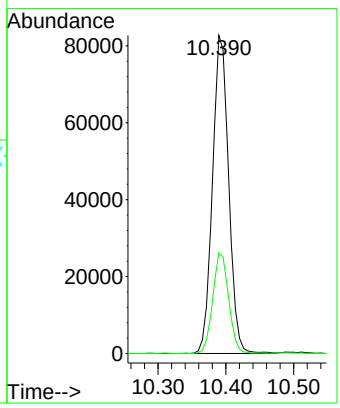




#53
t-1,3-Dichloropropene
Concen: 51.983 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 75 Resp: 137082

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
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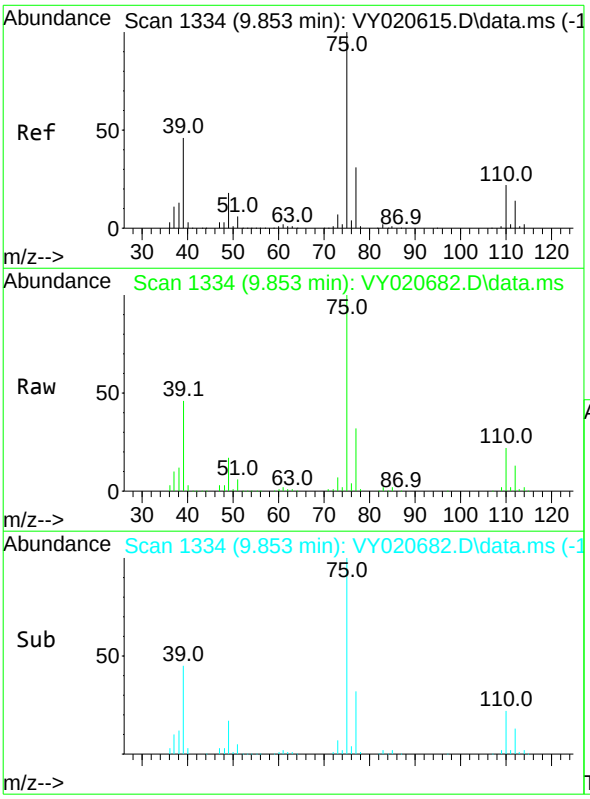
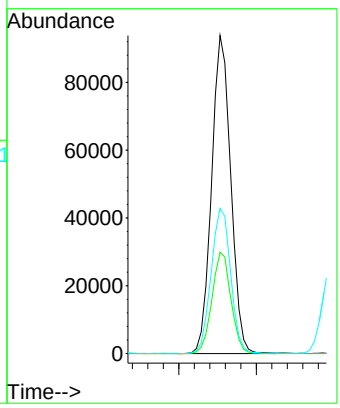
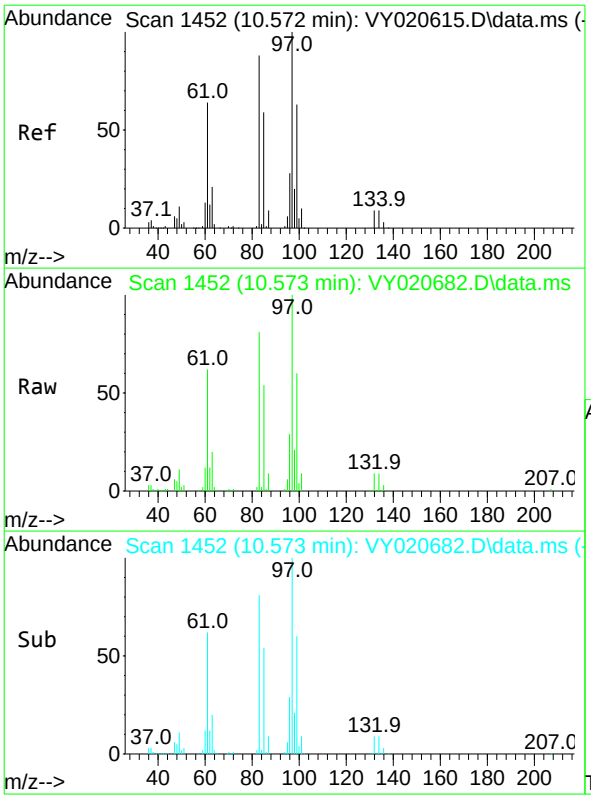


#54
cis-1,3-Dichloropropene
Concen: 51.582 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 75 Resp: 161185

Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.6	36.8
39	45.5	36.4	54.6

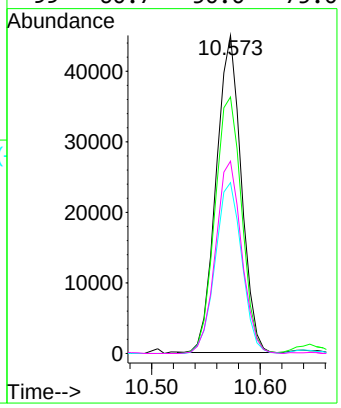




#55
1,1,2-Trichloroethane
Concen: 52.160 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 97 Resp: 72252

Ion	Ratio	Lower	Upper
97	100		
83	80.9	70.4	105.6
85	53.9	47.2	70.8
99	60.7	50.0	75.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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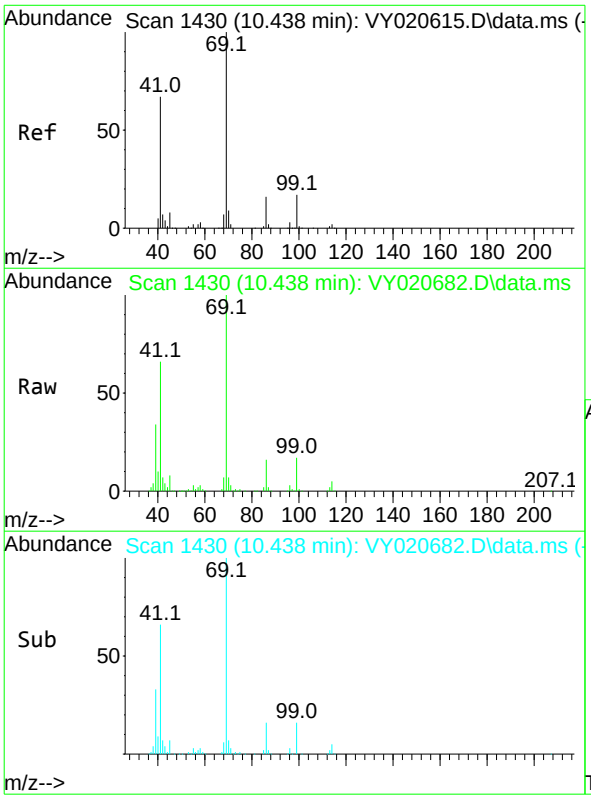
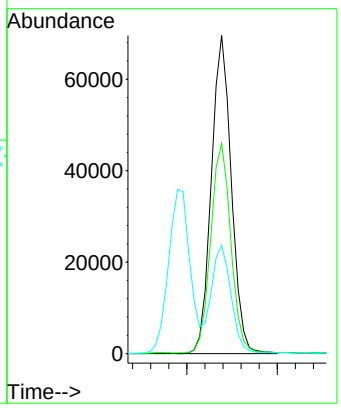
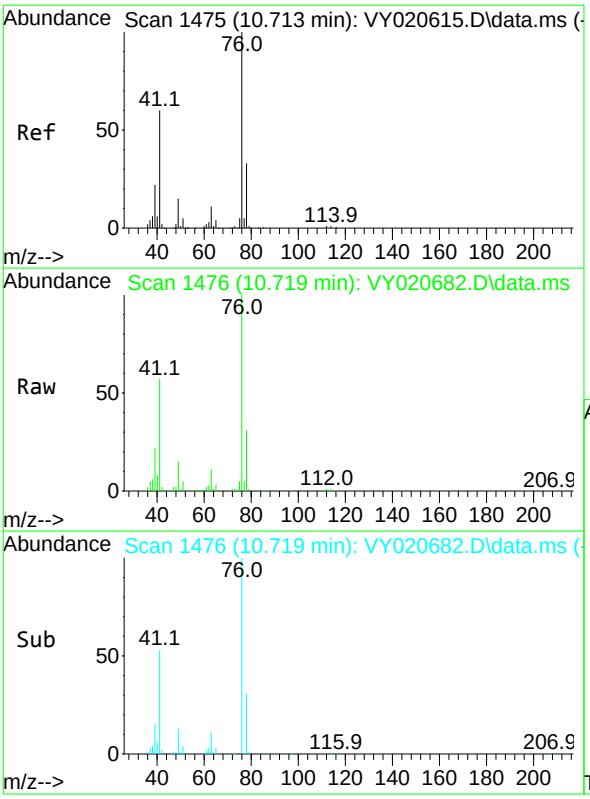


#56
Ethyl methacrylate
Concen: 53.177 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 69 Resp: 106862

Ion	Ratio	Lower	Upper
69	100		
41	65.9	54.0	81.0
39	34.4	27.9	41.9





#57
1,3-Dichloropropane
Concen: 52.533 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 76 Resp: 129720

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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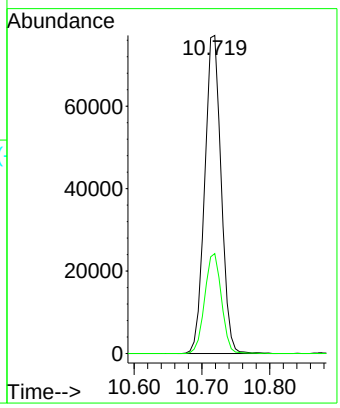
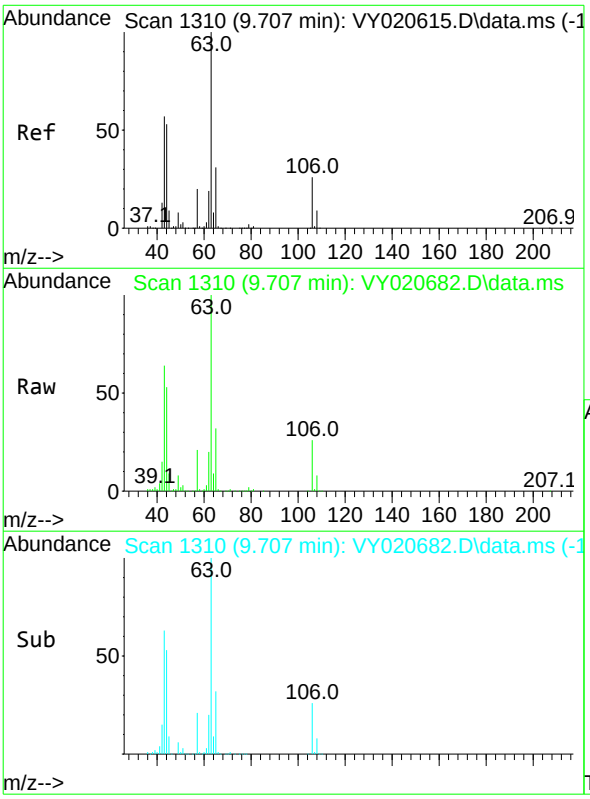
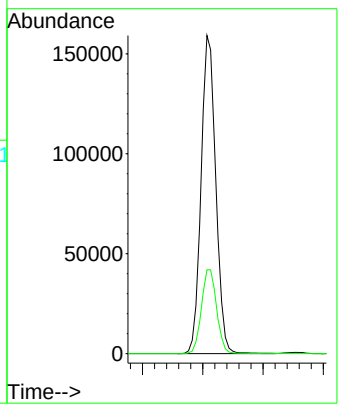


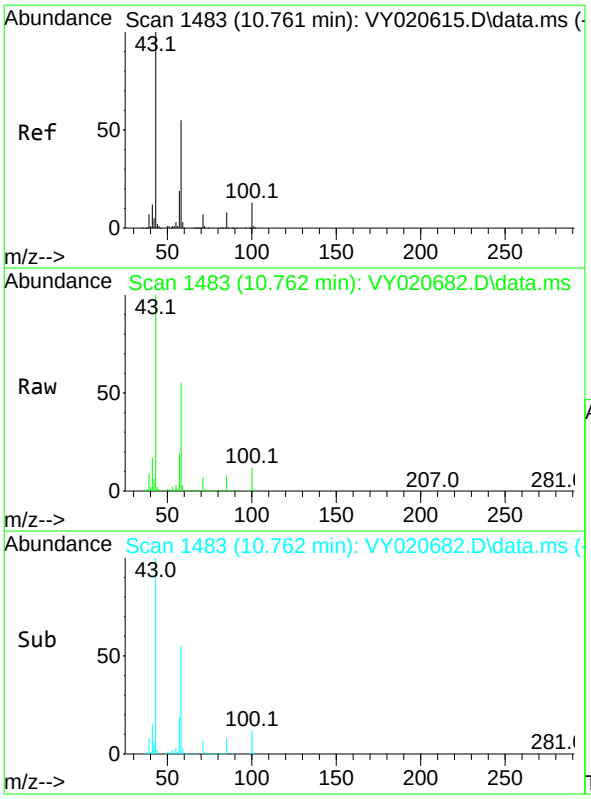


#58
2-Chloroethyl Vinyl ether
Concen: 318.460 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 63 Resp: 269274

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.5	32.3

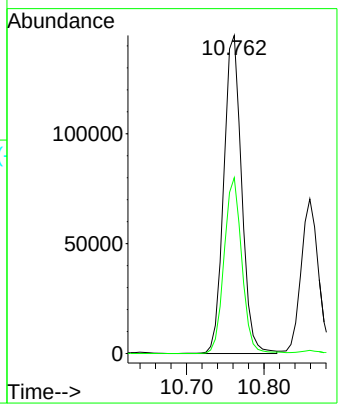




#59
2-Hexanone
Concen: 266.163 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 43 Resp: 232450

Ion	Ratio	Lower	Upper
43	100		
58	54.6	27.2	81.6



Instrument :
MSVOA_Y
ClientSampleId :
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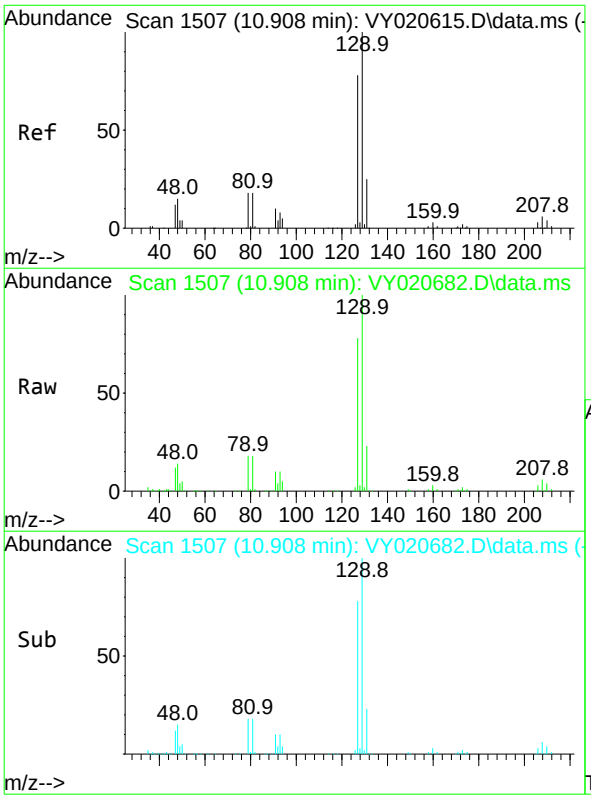
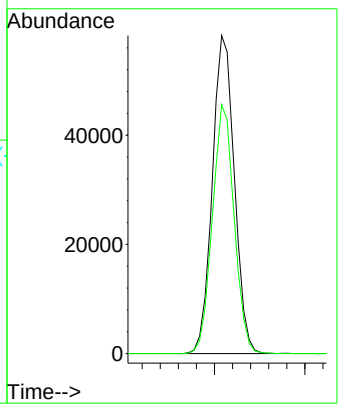
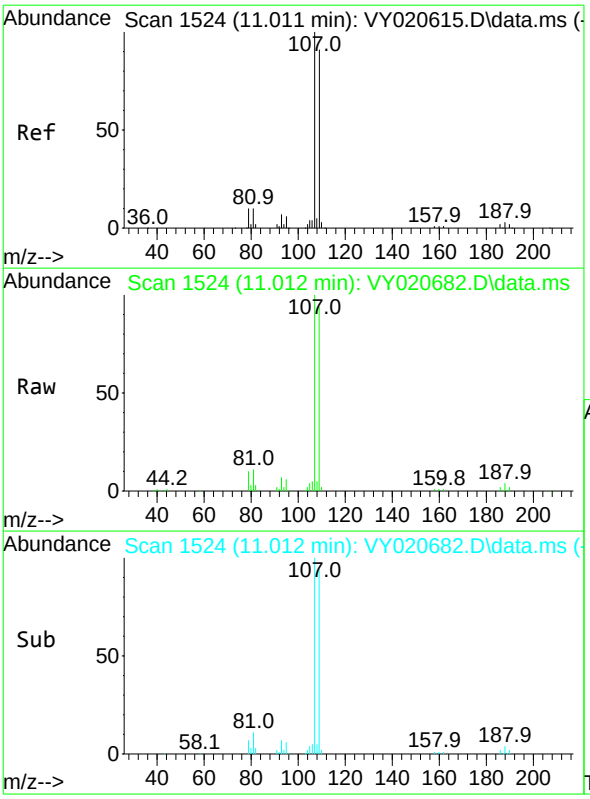


#60
Dibromochloromethane
Concen: 53.204 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:129 Resp: 98561

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.1	114.3





#61
1,2-Dibromoethane
Concen: 52.208 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:107 Resp: 67268

Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.4	113.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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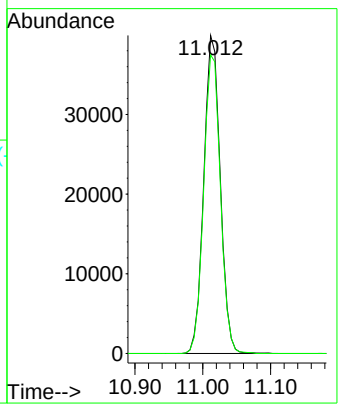
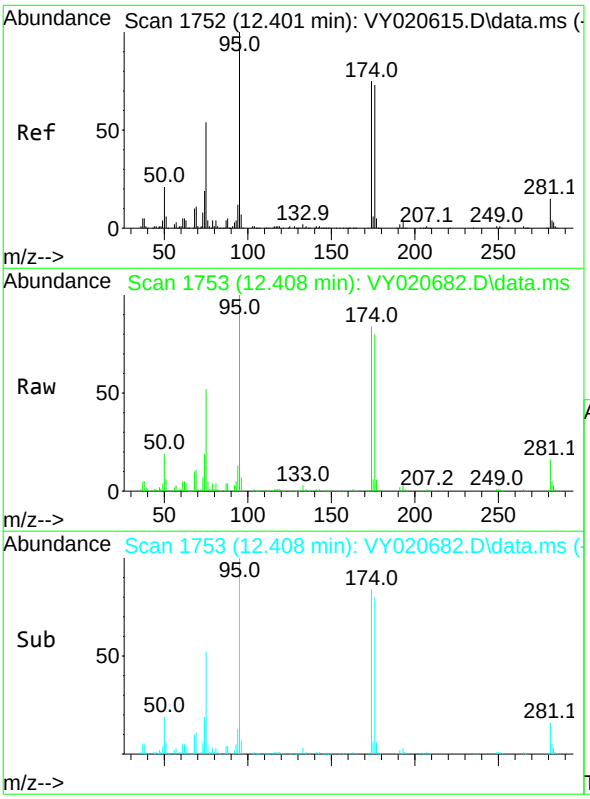
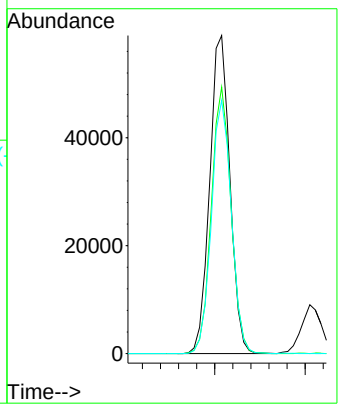


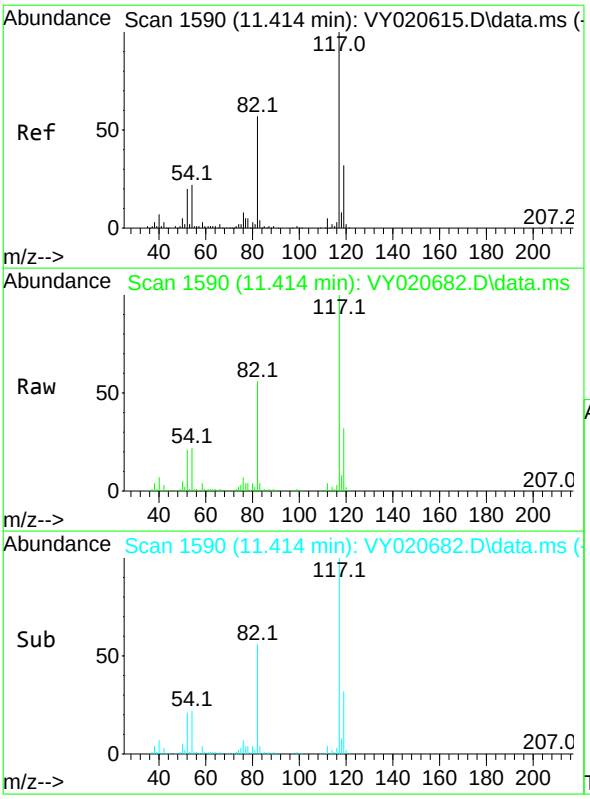


#62
4-Bromofluorobenzene
Concen: 42.042 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 95 Resp: 91351

Ion	Ratio	Lower	Upper
95	100		
174	81.6	0.0	161.8
176	78.8	0.0	156.6

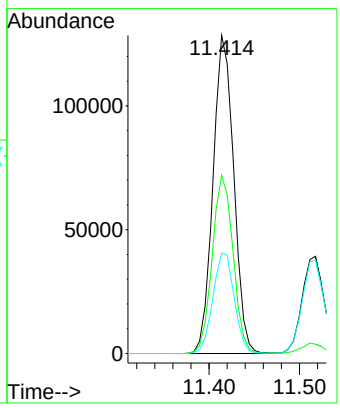




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:117 Resp: 204671

Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.8	68.6
119	31.6	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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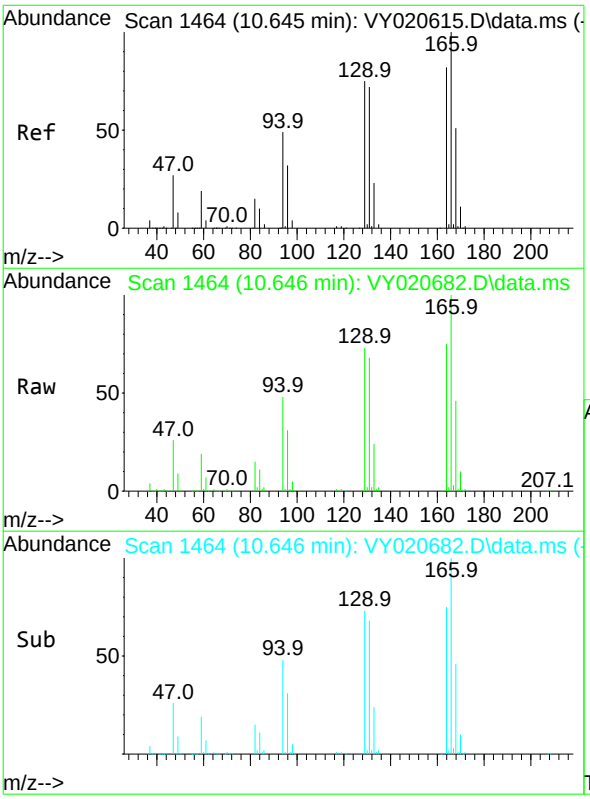
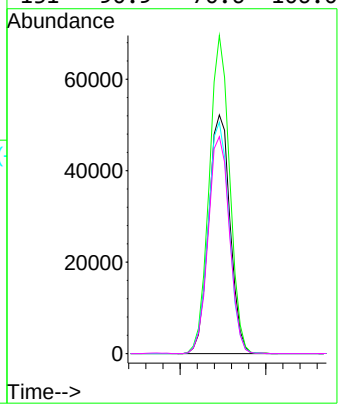
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

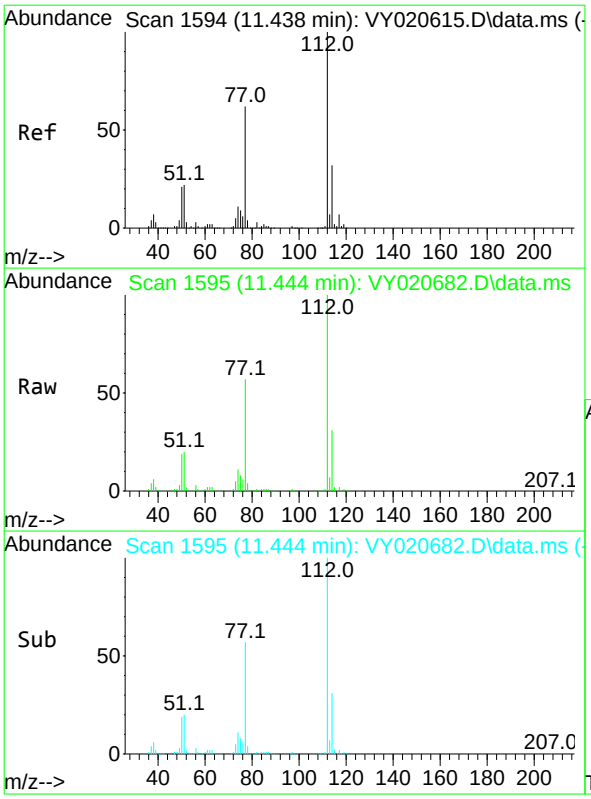


#64
Tetrachloroethene
Concen: 47.125 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:164 Resp: 90723

Ion	Ratio	Lower	Upper
164	100		
166	133.3	97.9	146.9
129	96.9	73.4	110.0
131	90.9	70.6	106.0

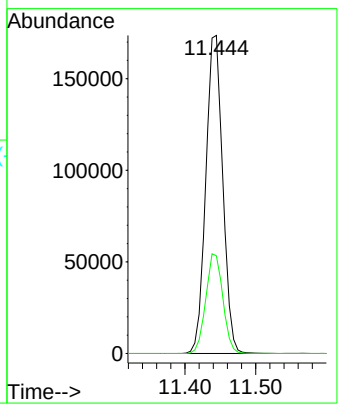




#65
Chlorobenzene
Concen: 50.396 ug/l
RT: 11.444 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:112 Resp: 288406

Ion	Ratio	Lower	Upper
112	100		
114	30.7	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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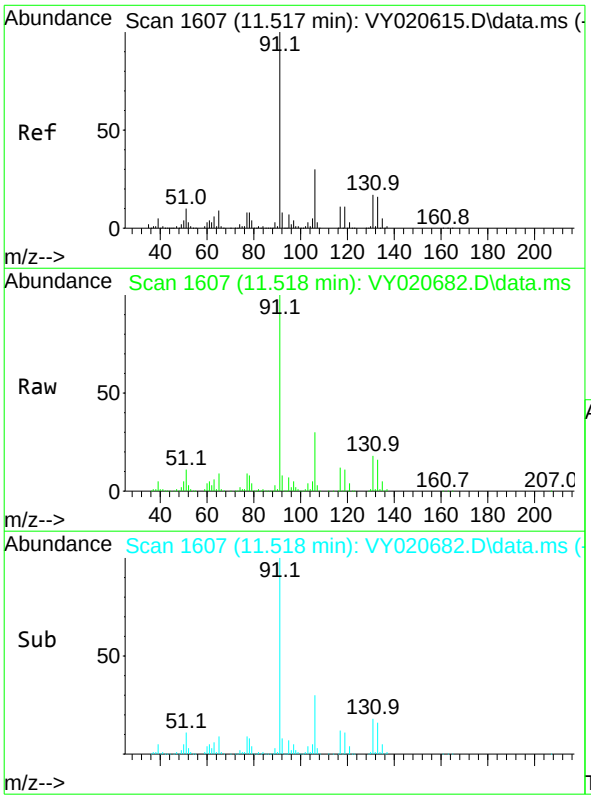
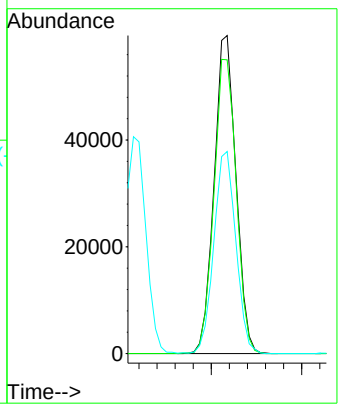
Supervised By :Mahesh Dadoda 12/24/2024

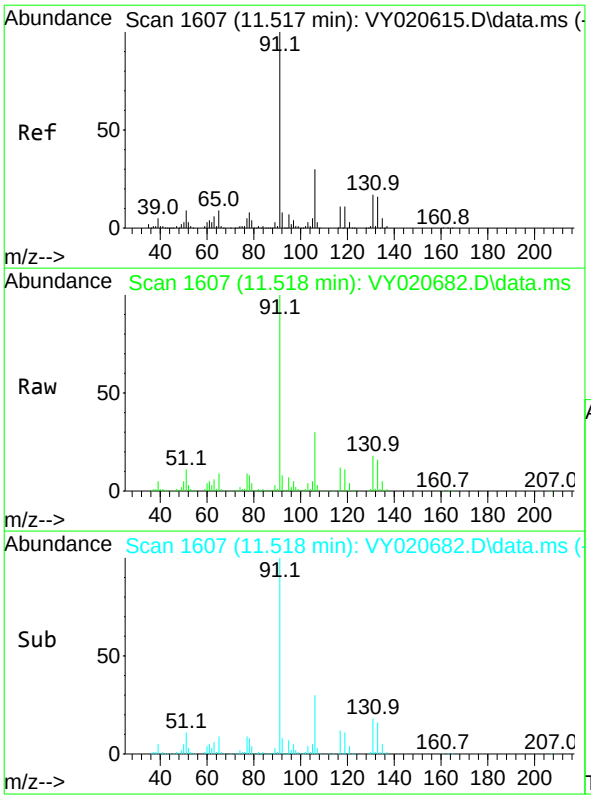


#66
1,1,1,2-Tetrachloroethane
Concen: 51.120 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:131 Resp: 100036

Ion	Ratio	Lower	Upper
131	100		
133	94.5	46.8	140.3
119	64.0	31.8	95.3

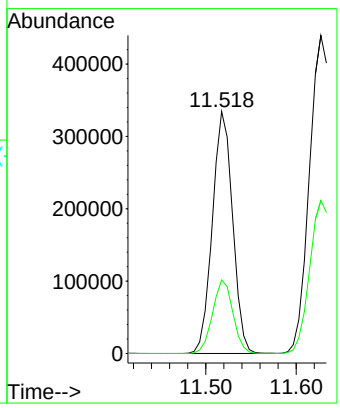




#67
Ethyl Benzene
Concen: 49.283 ug/l
RT: 11.518 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 91 Resp: 520329

Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.9	35.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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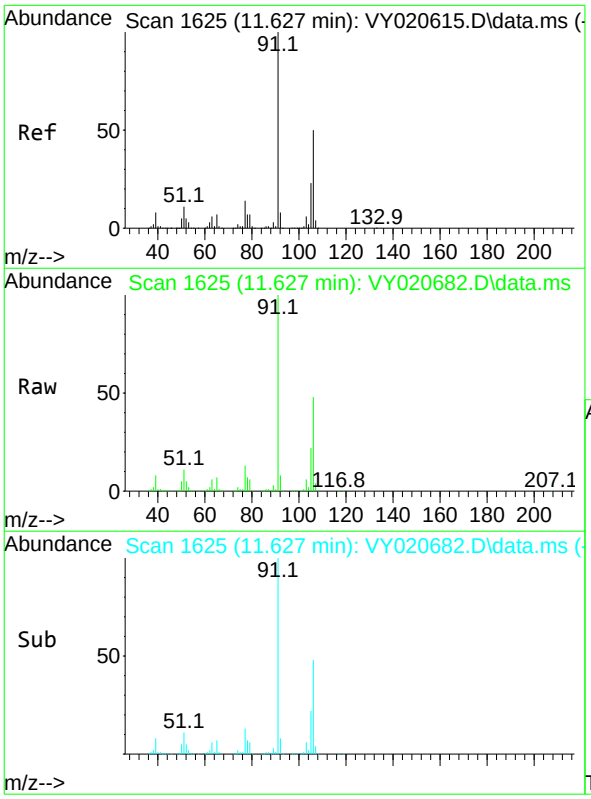
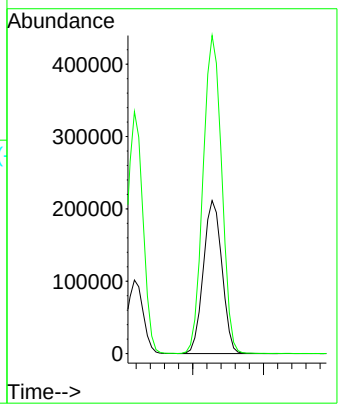
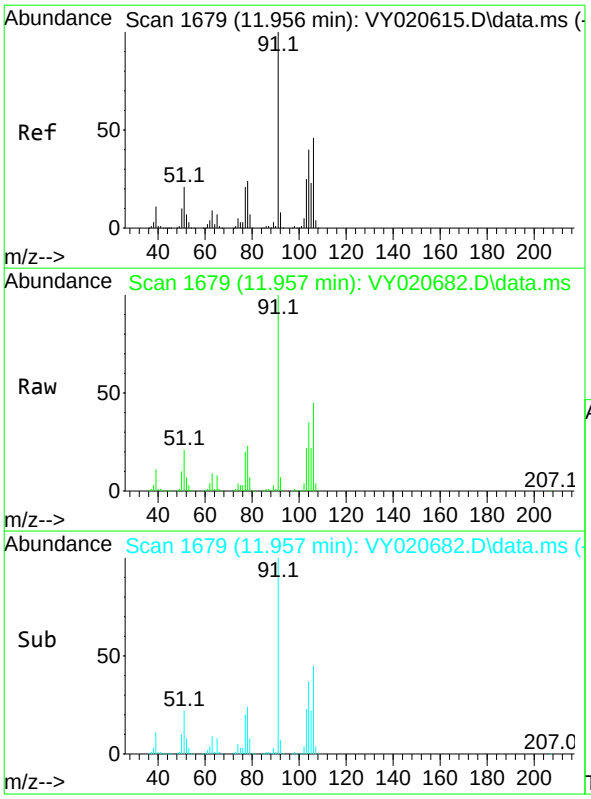


#68
m/p-Xylenes
Concen: 98.385 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:106 Resp: 386215

Ion	Ratio	Lower	Upper
106	100		
91	207.9	165.0	247.4





#69
o-Xylene
Concen: 49.791 ug/l
RT: 11.957 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:106 Resp: 182369

Ion	Ratio	Lower	Upper
106	100		
91	218.7	108.4	325.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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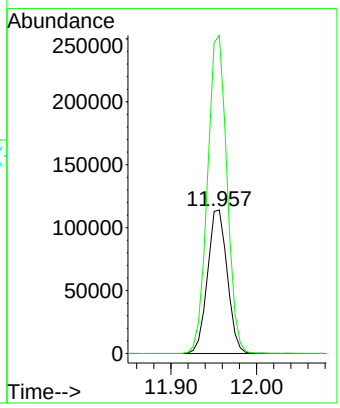
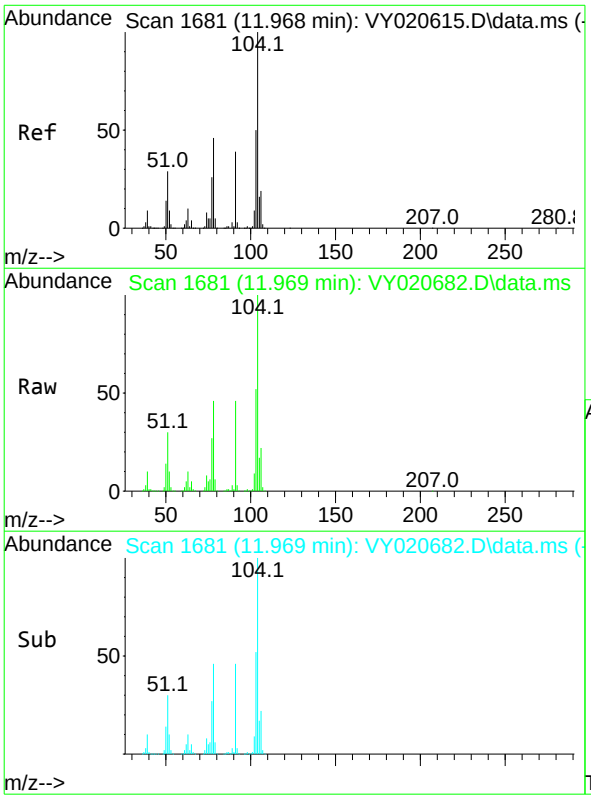
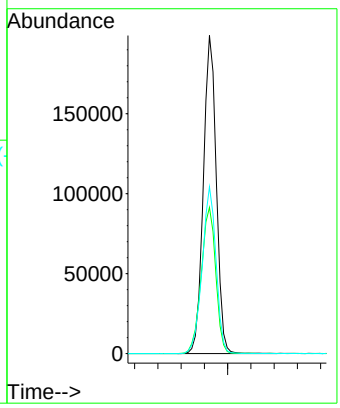


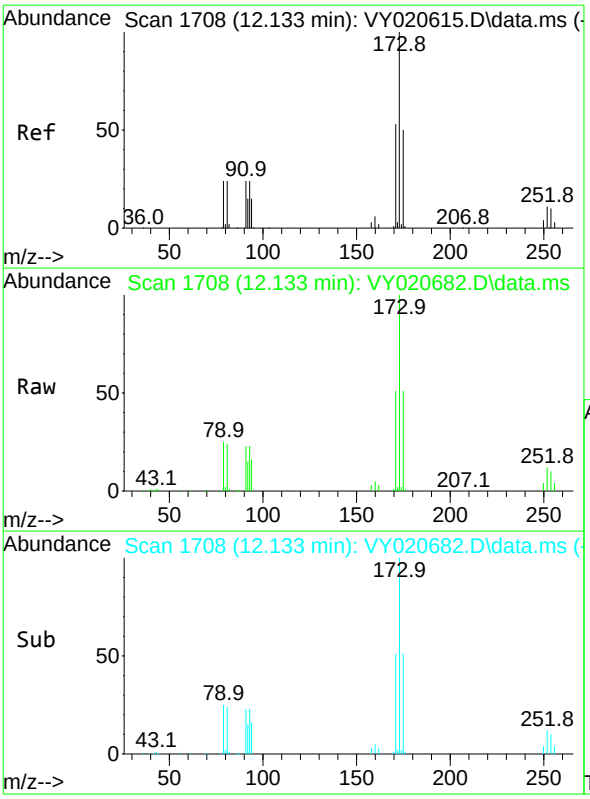


#70
Styrene
Concen: 50.345 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:104 Resp: 308084

Ion	Ratio	Lower	Upper
104	100		
78	51.4	41.6	62.4
103	56.1	43.7	65.5

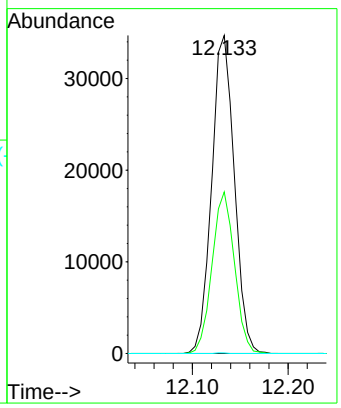




#71
Bromoform
Concen: 51.813 ug/l
RT: 12.133 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:173 Resp: 57006

Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.6	74.0
254	0.1	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
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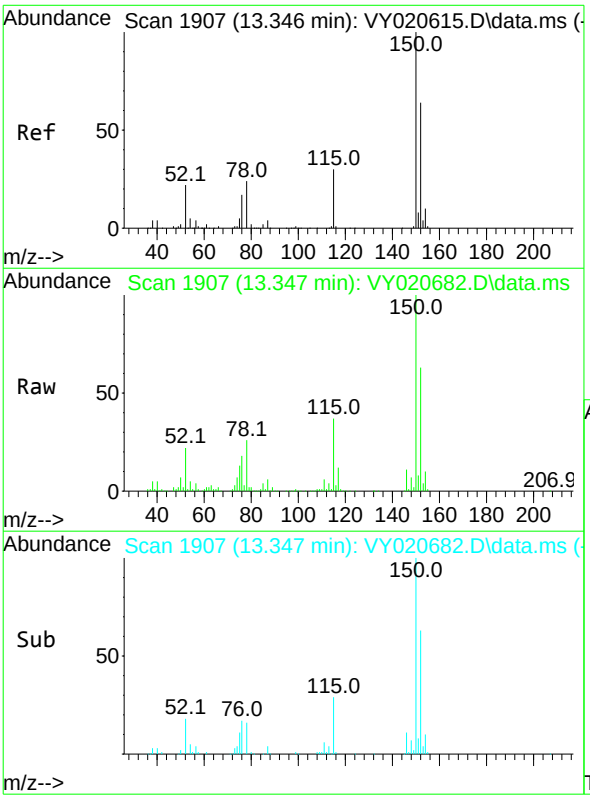
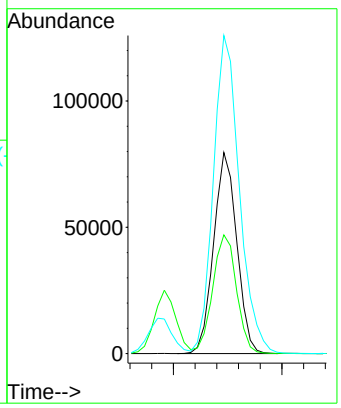
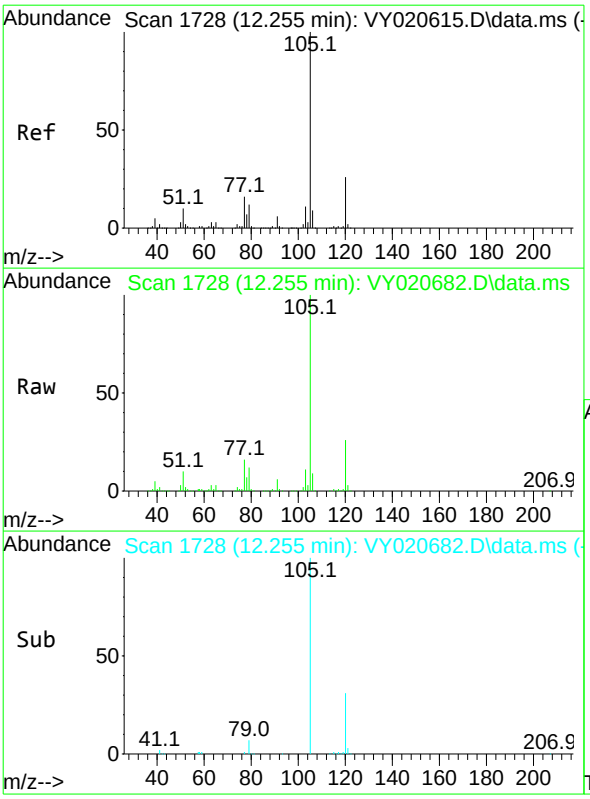


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:152 Resp: 118027

Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.2	90.6
150	177.6	0.0	355.4

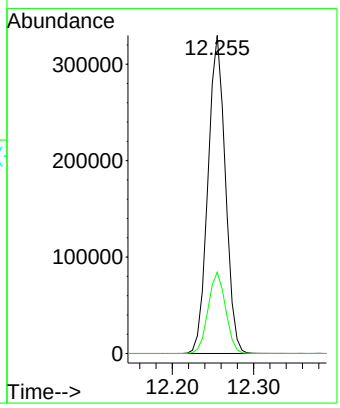




#73
Isopropylbenzene
Concen: 47.402 ug/l
RT: 12.255 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:105 Resp: 488221

Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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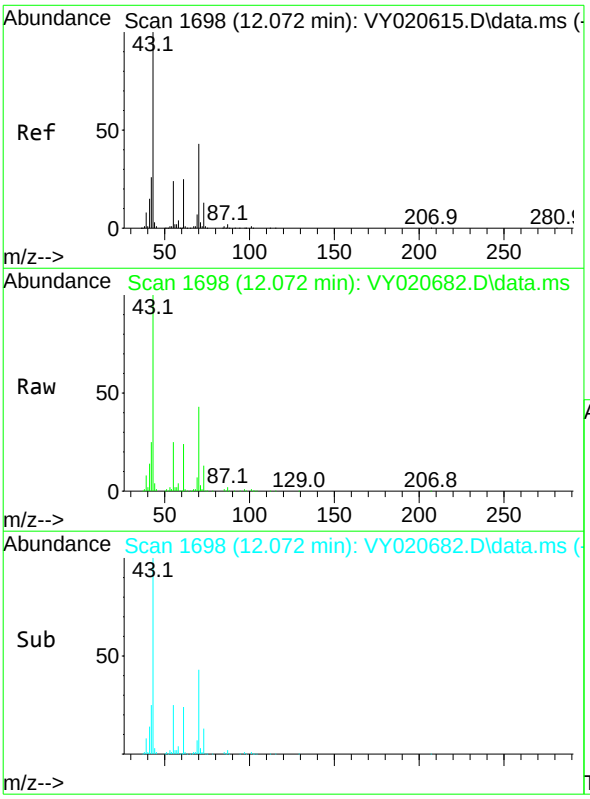
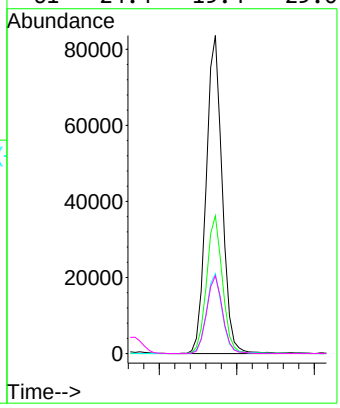
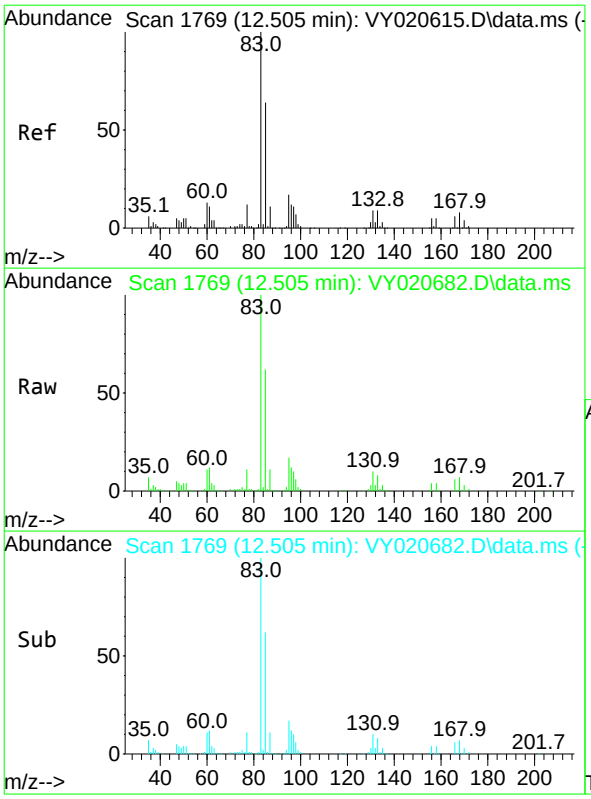


#74
N-amyl acetate
Concen: 49.676 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 43 Resp: 119742

Ion	Ratio	Lower	Upper
43	100		
70	43.1	34.2	51.2
55	25.0	19.6	29.4
61	24.4	19.4	29.0





#75
1,1,2,2-Tetrachloroethane
Concen: 51.155 ug/l
RT: 12.505 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 83 Resp: 85524

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	62.4	32.5	97.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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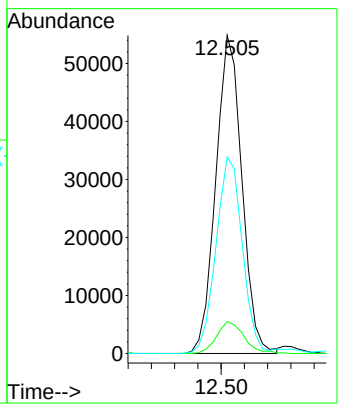
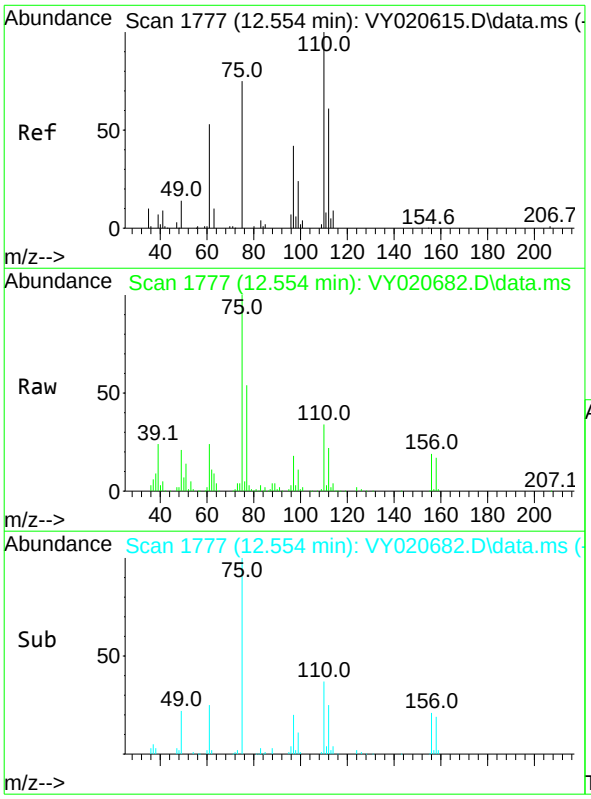
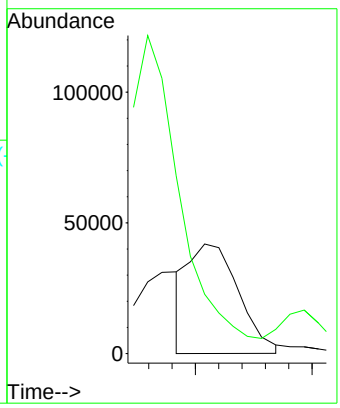


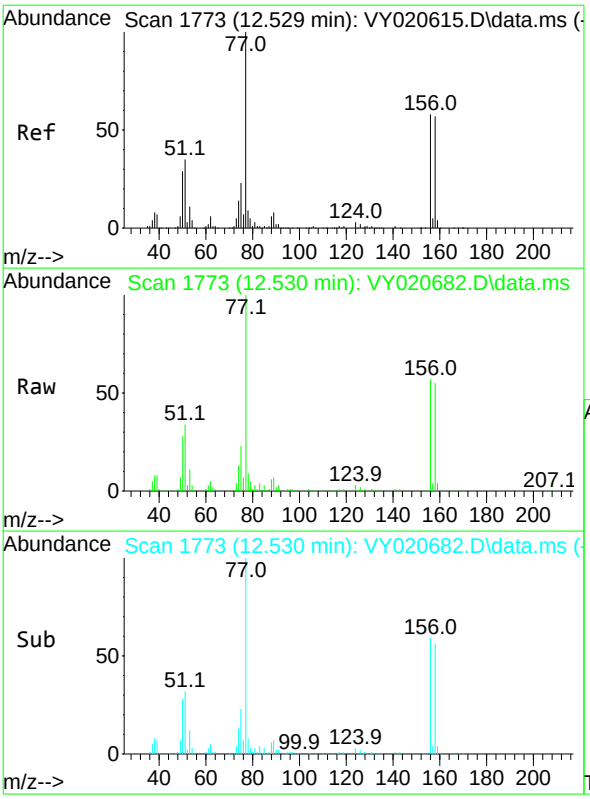


#76
1,2,3-Trichloropropane
Concen: 51.211 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 75 Resp: 62789

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 49.582 ug/l
RT: 12.530 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:156 Resp: 111242

Ion	Ratio	Lower	Upper
156	100		
77	186.5	94.2	282.4
158	95.9	48.9	146.6

Instrument :
MSVOA_Y
ClientSampleId :
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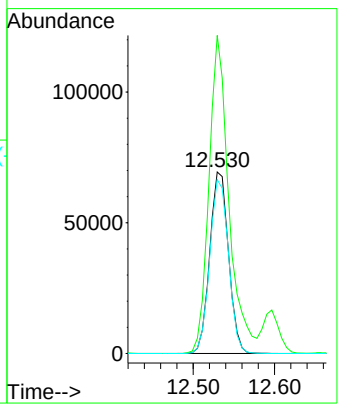
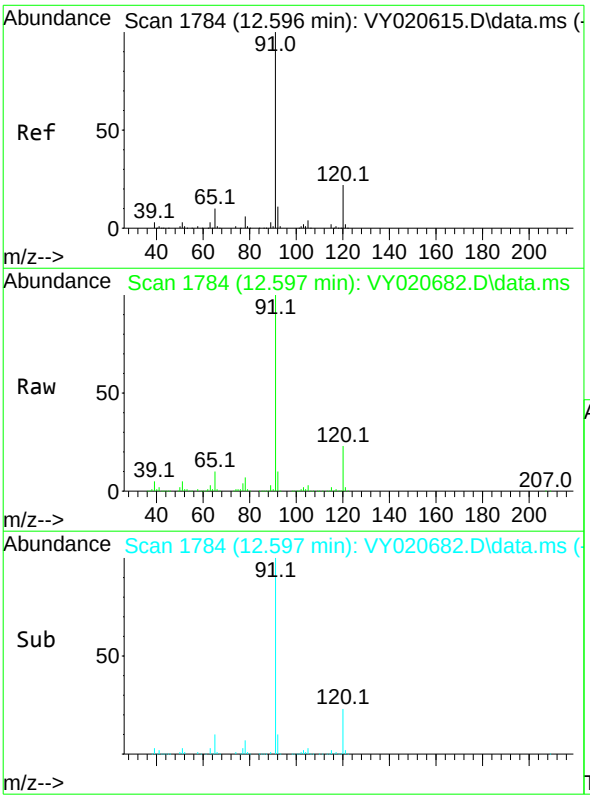
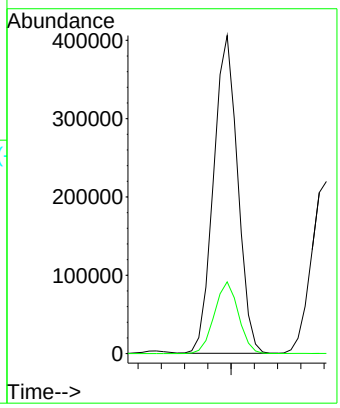


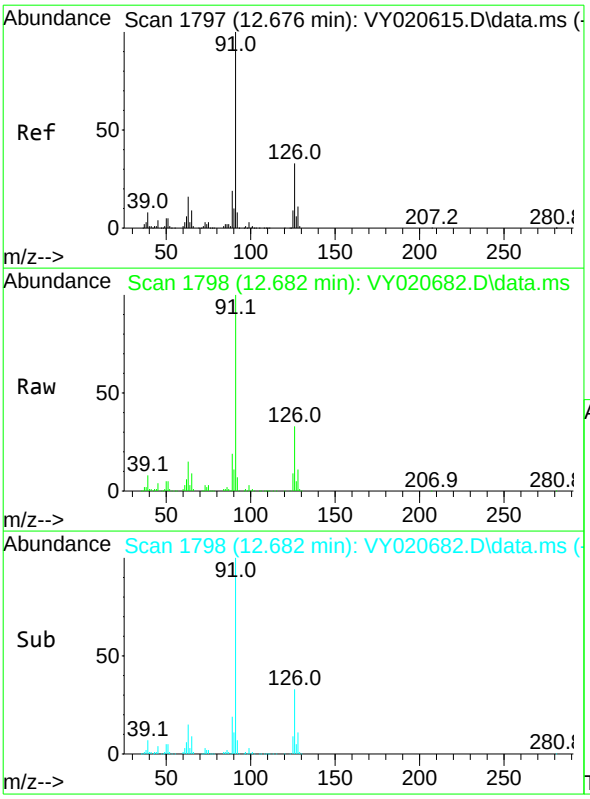


#78
n-propylbenzene
Concen: 47.158 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 91 Resp: 585185

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.1

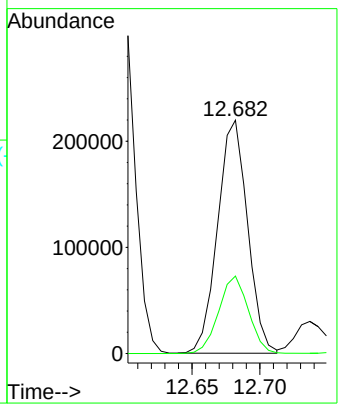




#79
2-Chlorotoluene
Concen: 48.298 ug/l
RT: 12.682 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 91 Resp: 337195

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.6	49.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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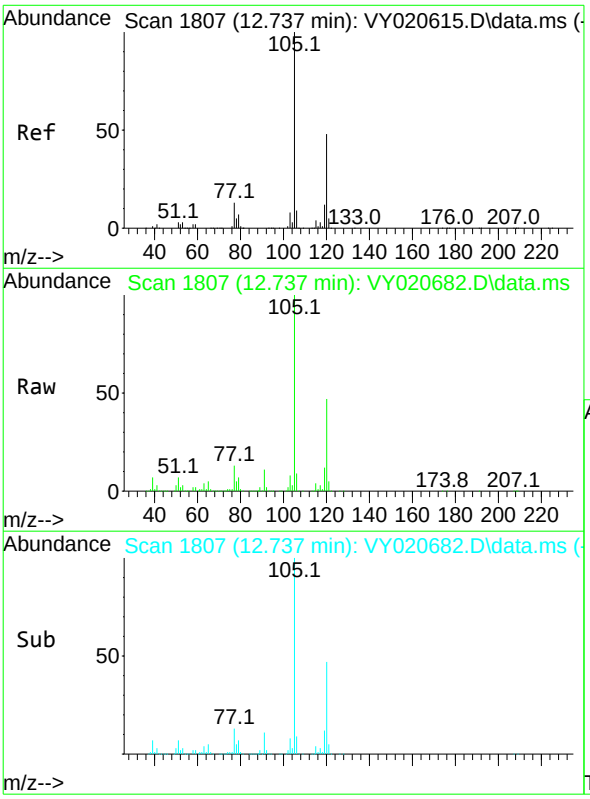
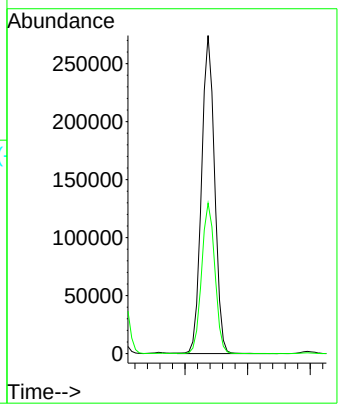
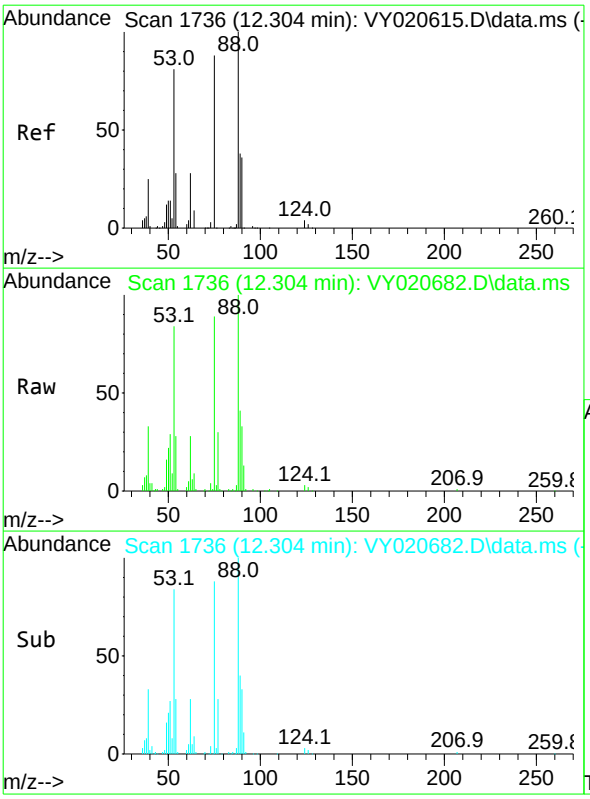


#80
1,3,5-Trimethylbenzene
Concen: 47.693 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:105 Resp: 398582

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 49.831 ug/l
RT: 12.304 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 75 Resp: 29107

Ion	Ratio	Lower	Upper
75	100		
53	96.0	75.4	113.2
89	46.3	37.0	55.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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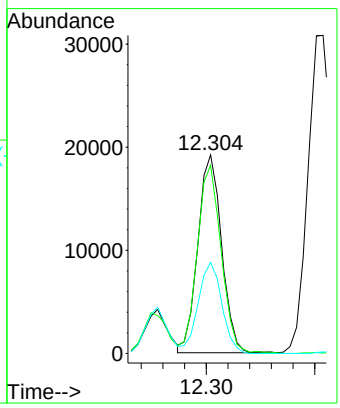
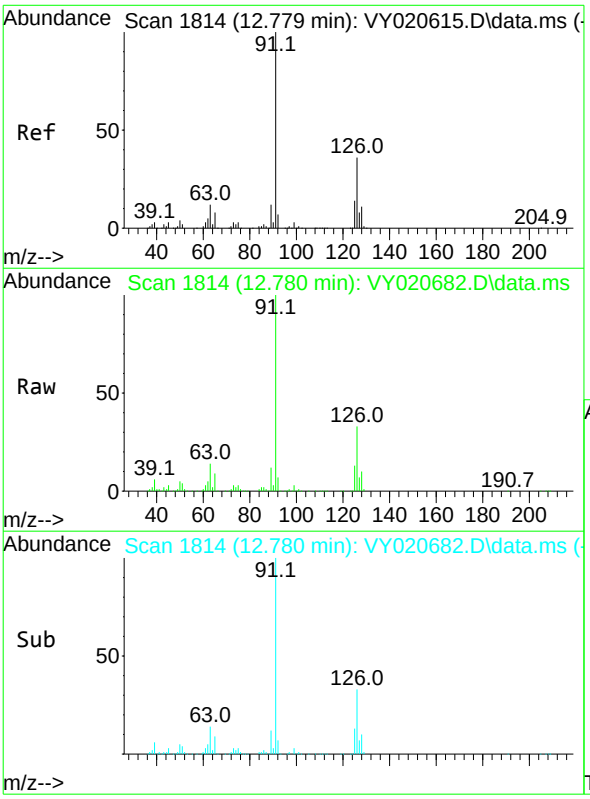
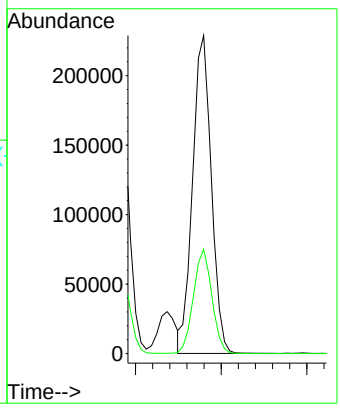


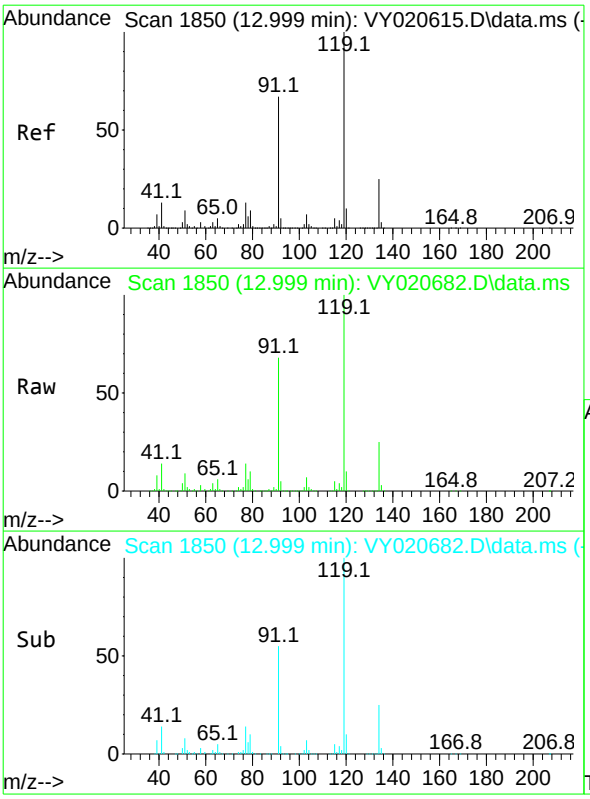


#82
4-Chlorotoluene
Concen: 47.838 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 91 Resp: 346496

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.6	49.7





#83
tert-Butylbenzene
Concen: 47.095 ug/l
RT: 12.999 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

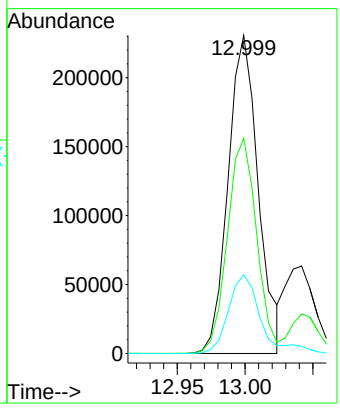
Tgt Ion:119 Resp: 356447

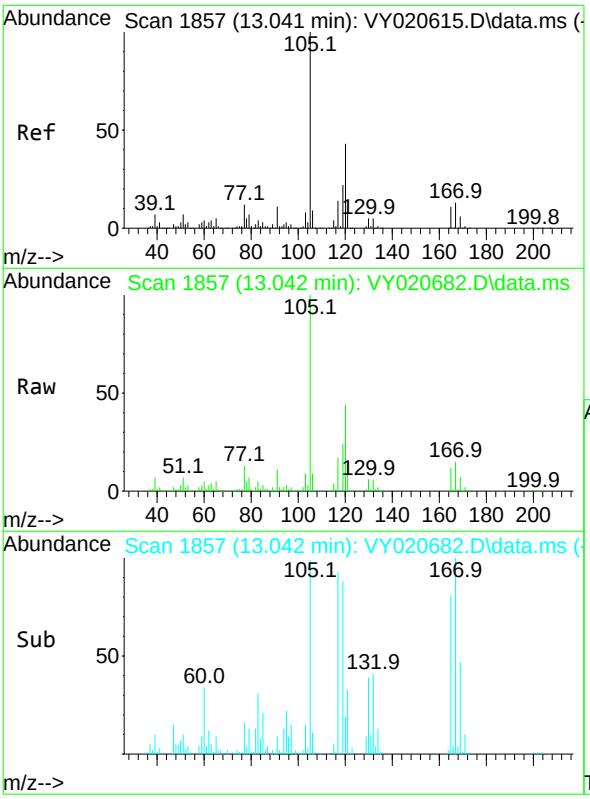
Ion	Ratio	Lower	Upper
119	100		
91	65.4	32.9	98.6
134	26.6	13.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

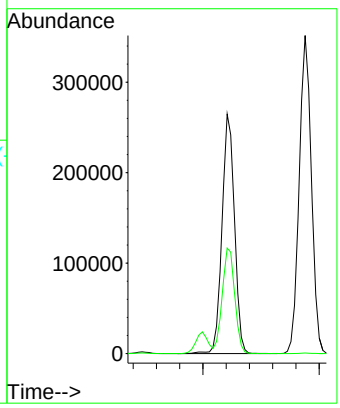


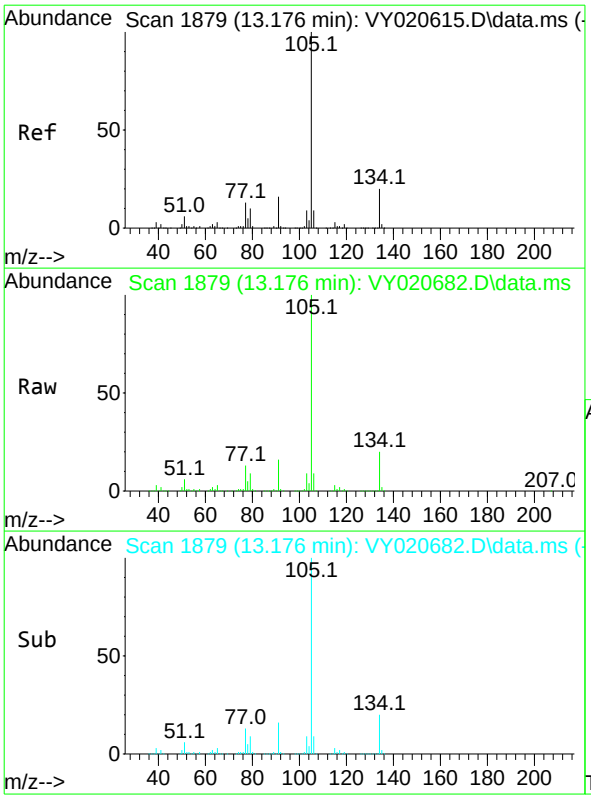


#84
1,2,4-Trimethylbenzene
Concen: 48.012 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:105 Resp: 393582

Ion	Ratio	Lower	Upper
105	100		
120	44.1	21.8	65.4

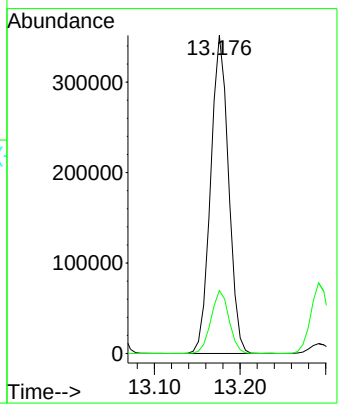




#85
sec-Butylbenzene
Concen: 46.404 ug/l
RT: 13.176 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:105 Resp: 510662

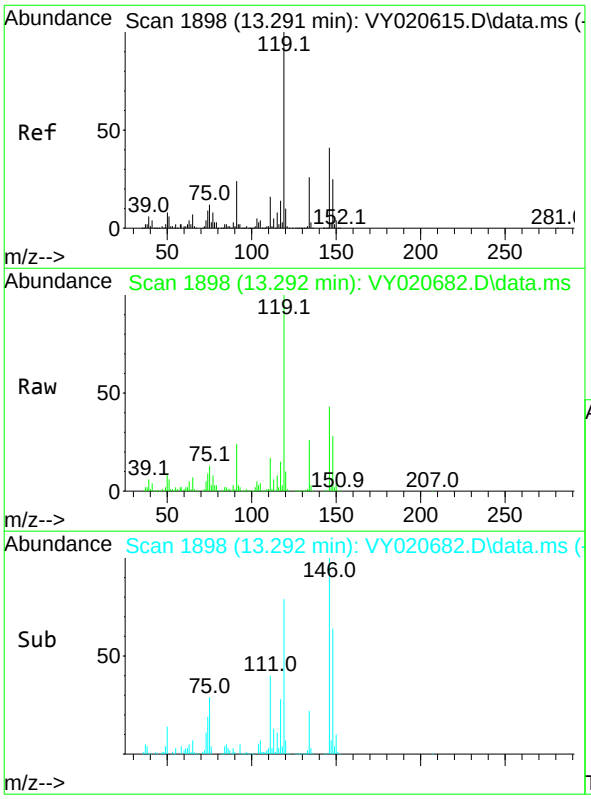
Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

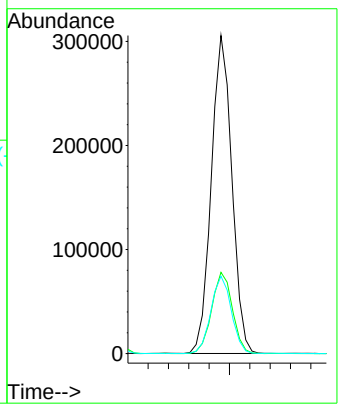
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

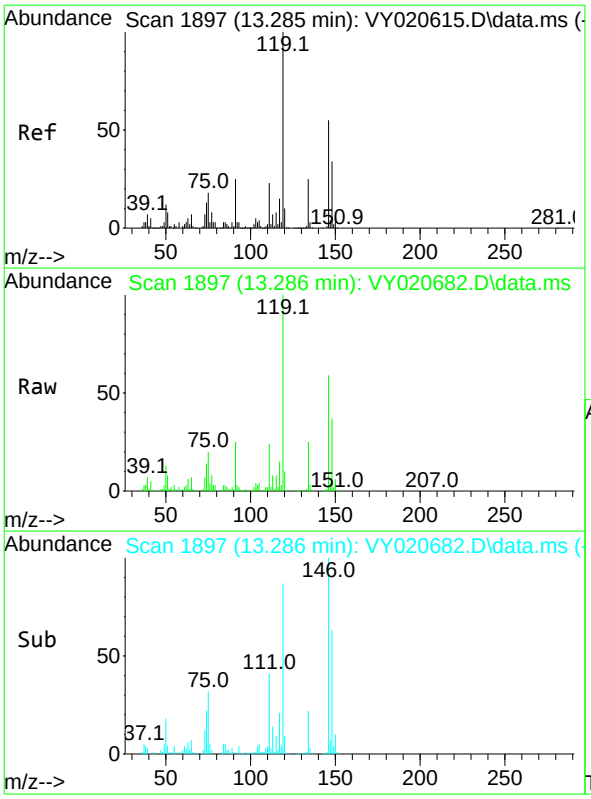


#86
p-Isopropyltoluene
Concen: 47.333 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:119 Resp: 429462

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	24.1	12.1	36.3

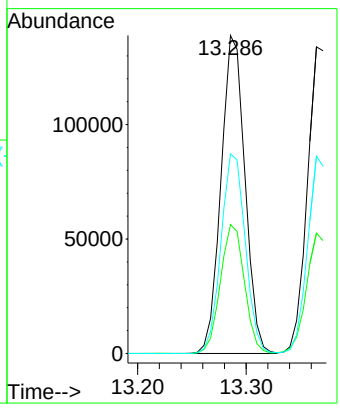




#87
1,3-Dichlorobenzene
Concen: 48.040 ug/l
RT: 13.286 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:146 Resp: 212764

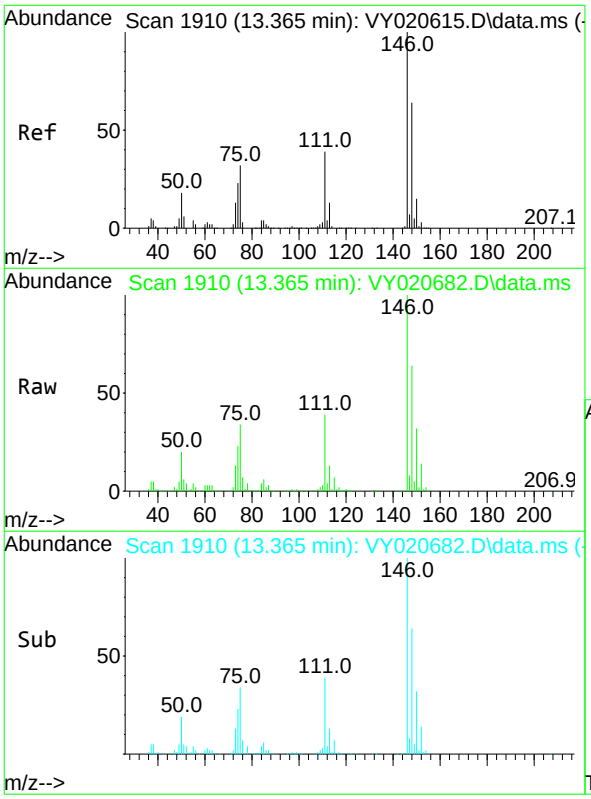
Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.6	61.8
148	63.8	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

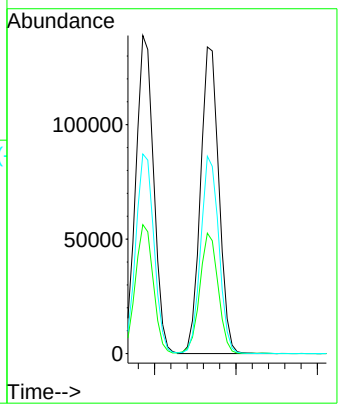
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

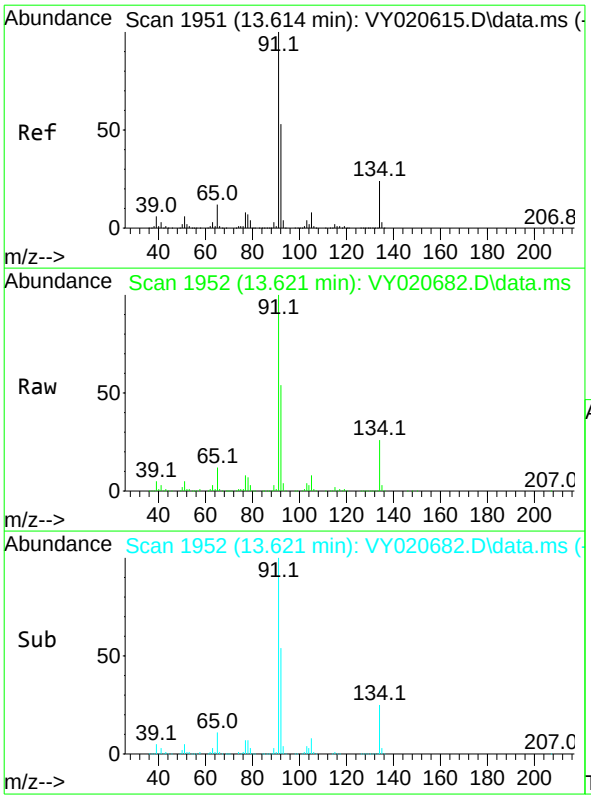


#88
1,4-Dichlorobenzene
Concen: 47.998 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:146 Resp: 210538

Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.6	58.7
148	63.3	31.9	95.5

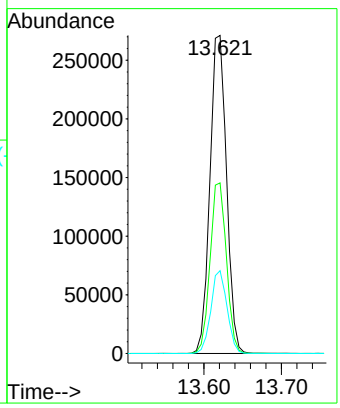




#89
n-Butylbenzene
Concen: 46.895 ug/l
RT: 13.621 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 91 Resp: 403246

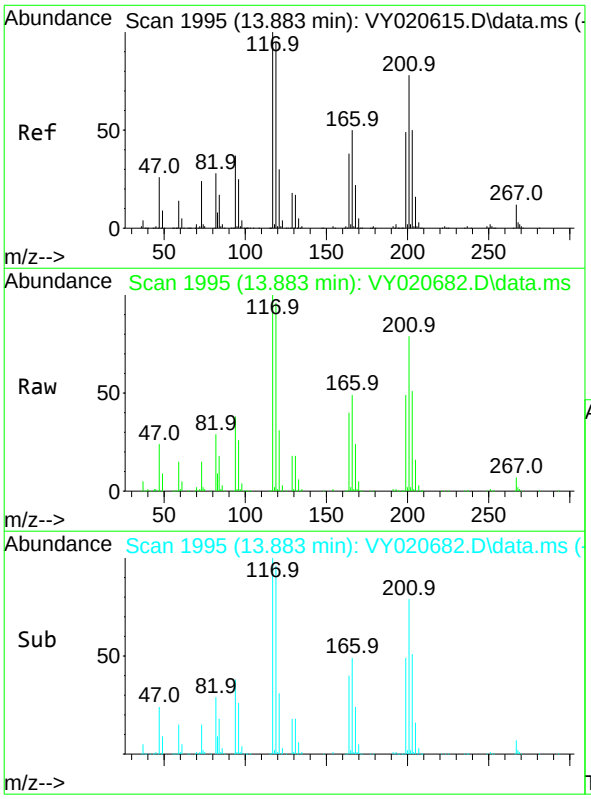
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.8	80.4
134	25.4	12.5	37.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

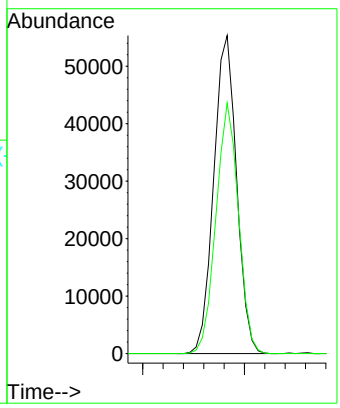
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

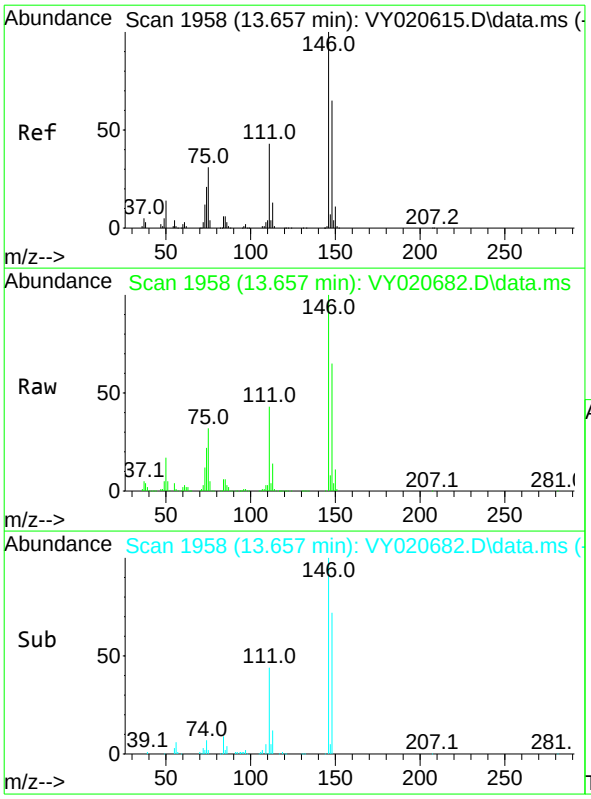


#90
Hexachloroethane
Concen: 47.992 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:117 Resp: 86293

Ion	Ratio	Lower	Upper
117	100		
201	77.5	39.1	117.3

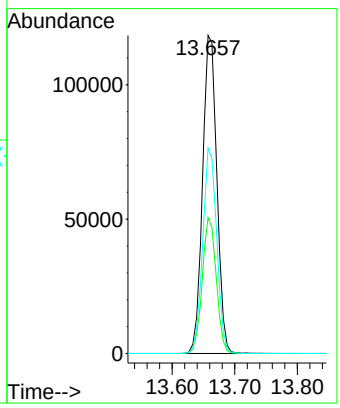




#91
1,2-Dichlorobenzene
Concen: 48.776 ug/l
RT: 13.657 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:146 Resp: 187168

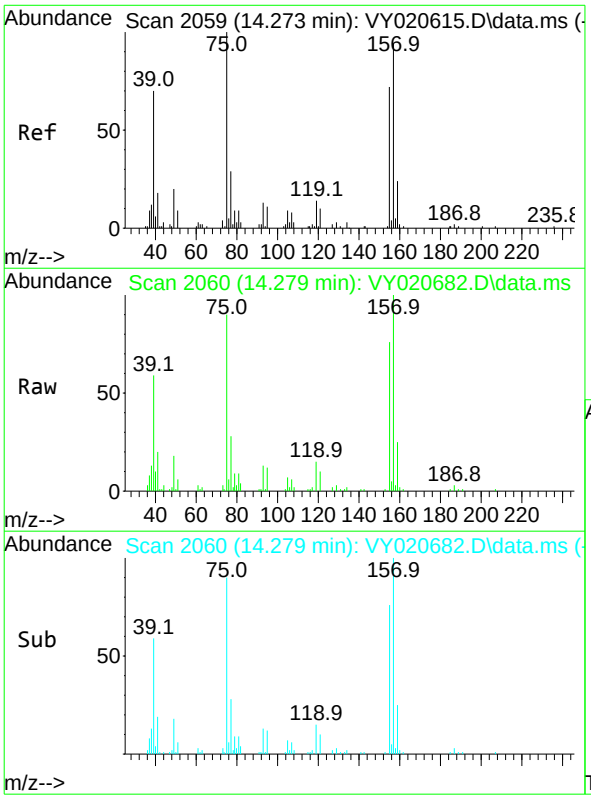
Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.3	63.7
148	63.6	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

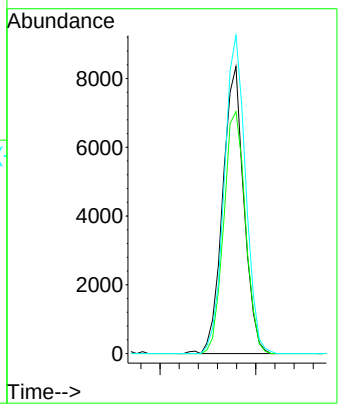
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

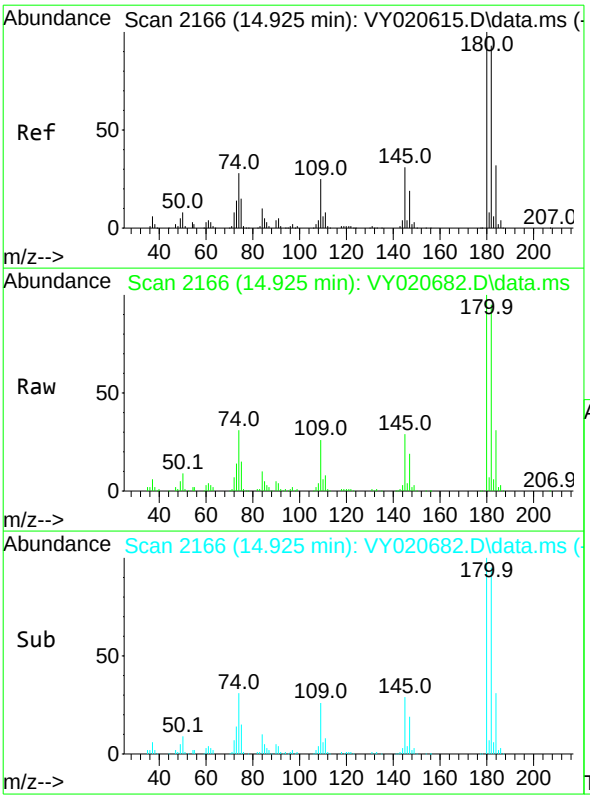


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.271 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 75 Resp: 12831

Ion	Ratio	Lower	Upper
75	100		
155	86.1	41.1	123.3
157	111.1	52.9	158.8

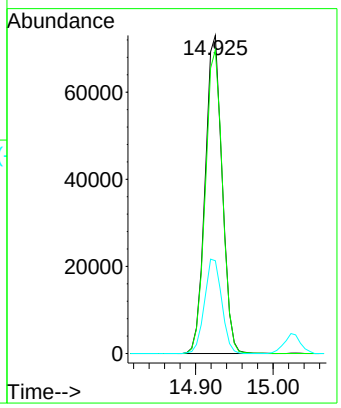




#93
1,2,4-Trichlorobenzene
Concen: 47.858 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:180 Resp: 111082

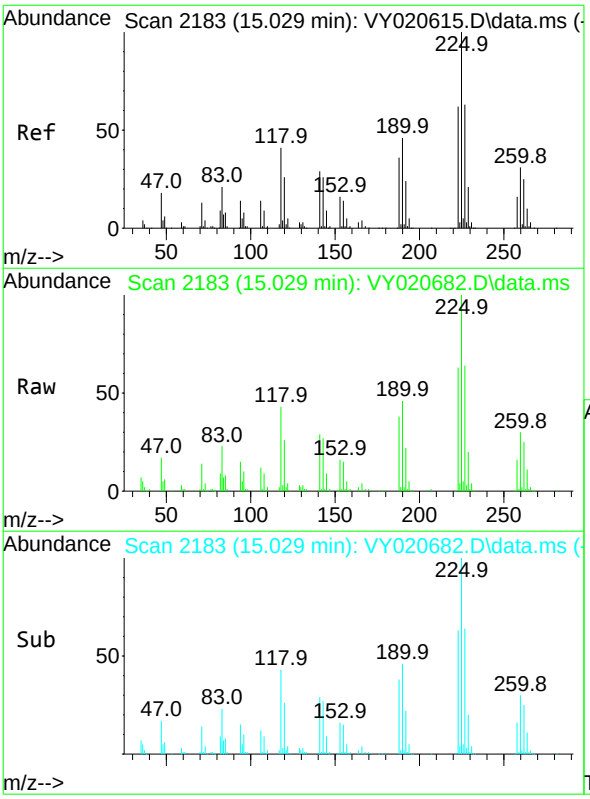
Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.6
145	30.1	15.6	46.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

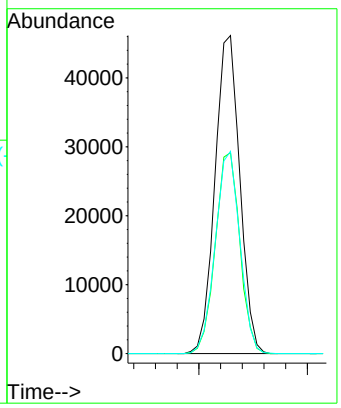
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

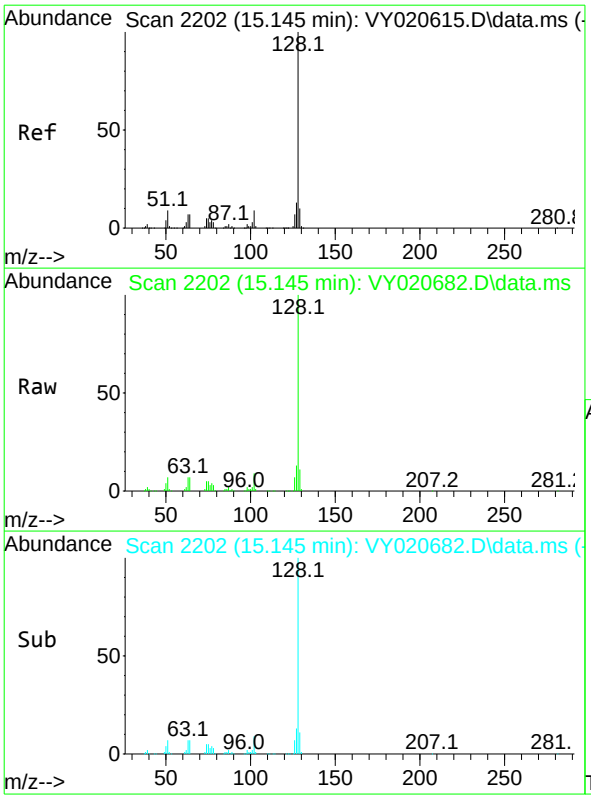


#94
Hexachlorobutadiene
Concen: 48.301 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:225 Resp: 73289

Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.8	95.3
227	63.0	32.2	96.6

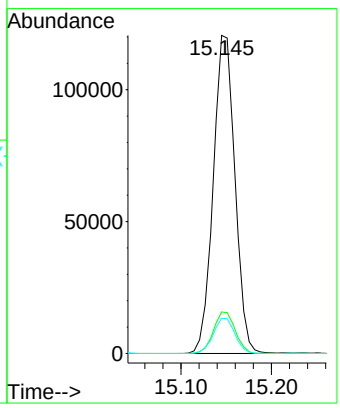




#95
Naphthalene
Concen: 50.583 ug/l
RT: 15.145 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:128 Resp: 201284

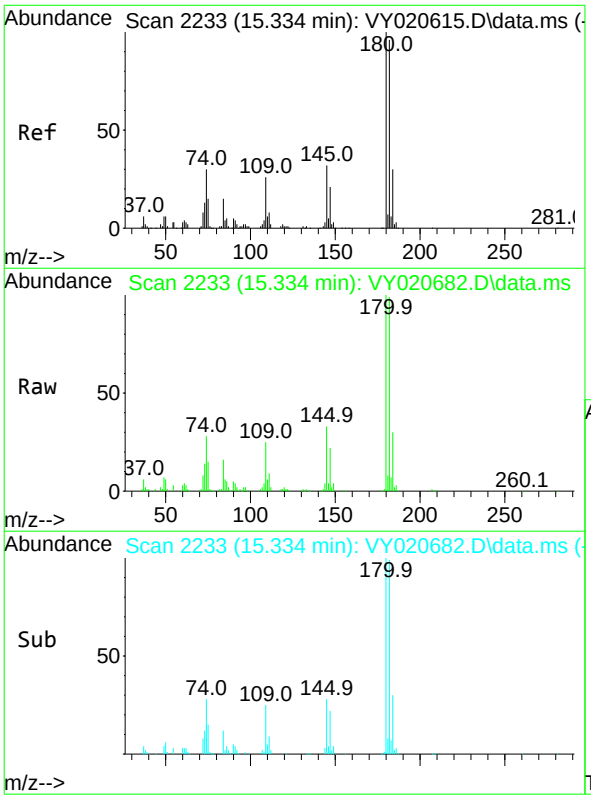
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.7	16.1
129	11.1	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

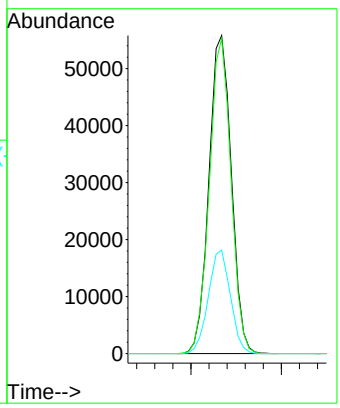
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024



#96
1,2,3-Trichlorobenzene
Concen: 48.917 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:180 Resp: 95931

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	32.1	16.0	48.0



Evaluate Continuing Calibration Report

Sample Results: **VY020682.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020682.D
Acq On : 20 Dec 2024 19:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 20 22:04:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 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	Pentafluorobenzene	1.000	1.000	0.0	85	0.00
2	T	Dichlorodifluoromethane	0.625	0.568	9.1	78	0.00
3	P	Chloromethane	0.463	0.410	11.4	81	0.00
4	C	Vinyl Chloride	0.431	0.262	39.2#	60	0.00
5	T	Bromomethane	0.277	0.190	31.4#	70	0.00
6	T	Chloroethane	0.266	0.166	37.6#	66	0.00
7	T	Trichlorofluoromethane	0.901	0.677	24.9	73	0.00
8	T	Diethyl Ether	0.316	0.265	16.1	77	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.646	0.506	21.7	71	0.00
10	T	Methyl Iodide	0.719	0.619	13.9	76	0.00
11	T	Tert butyl alcohol	0.071	0.050	29.6#	85	0.00
12	CM	1,1-Dichloroethene	0.627	0.500	20.3#	72	0.00
13	T	Acrolein	0.026	0.015	42.3#	74	0.00
14	T	Allyl chloride	1.098	0.963	12.3	80	0.00
15	T	Acrylonitrile	0.151	0.159	-5.3	87	0.00
16	T	Acetone	0.125	0.087	30.4#	75	0.00
17	T	Carbon Disulfide	2.040	1.675	17.9	73	0.00
18	T	Methyl Acetate	0.373	0.346	7.2	84	0.00
19	T	Methyl tert-butyl Ether	1.618	1.685	-4.1	86	0.00
20	T	Methylene Chloride	0.681	0.659	3.2	91	0.00
21	T	trans-1,2-Dichloroethene	0.703	0.713	-1.4	85	0.00
22	T	Diisopropyl ether	2.229	2.346	-5.2	87	0.00
23	T	Vinyl Acetate	1.263	1.345	-6.5	87	0.00
24	P	1,1-Dichloroethane	1.306	1.366	-4.6	88	0.00
25	T	2-Butanone	0.204	0.202	1.0	87	0.00
26	T	2,2-Dichloropropane	1.235	1.127	8.7	81	0.00
27	T	cis-1,2-Dichloroethene	0.809	0.836	-3.3	87	0.00
28	T	Bromochloromethane	0.441	0.573	-29.9#	98	0.00
29	T	Tetrahydrofuran	0.128	0.138	-7.8	88	0.00
30	C	Chloroform	1.528	1.423	6.9#	88	0.00
31	T	Cyclohexane	1.249	1.106	11.4	78	0.00
32	T	1,1,1-Trichloroethane	1.200	1.204	-0.3	85	0.00
33	S	1,2-Dichloroethane-d4	0.548	0.472	13.9	71	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	86	0.00
35	S	Dibromofluoromethane	0.352	0.311	11.6	74	0.00
36	T	1,1-Dichloropropene	0.643	0.626	2.6	84	0.00
37	T	Ethyl Acetate	0.302	0.306	-1.3	88	0.00
38	T	Carbon Tetrachloride	0.711	0.692	2.7	85	0.00
39	T	Methylcyclohexane	0.837	0.736	12.1	76	0.00
40	TM	Benzene	1.883	1.905	-1.2	88	0.00
41	T	Methacrylonitrile	0.160	0.156	2.5	86	0.00
42	TM	1,2-Dichloroethane	0.500	0.515	-3.0	88	0.00
43	T	Isopropyl Acetate	0.572	0.589	-3.0	87	0.00
44	TM	Trichloroethene	0.463	0.463	0.0	87	0.00
45	C	1,2-Dichloropropane	0.440	0.457	-3.9#	90	0.00
46	T	Dibromomethane	0.233	0.245	-5.2	91	0.00
47	T	Bromodichloromethane	0.628	0.662	-5.4	90	0.00
48	T	Methyl methacrylate	0.272	0.286	-5.1	89	0.00

Sample Results: **VY020682.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020682.D
Acq On : 20 Dec 2024 19:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 20 22:04:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 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	1,4-Dioxane	0.003	0.003	0.0	91	0.00
50	S	Toluene-d8	1.233	1.049	14.9	71	0.00
51	T	4-Methyl-2-Pentanone	0.302	0.308	-2.0	88	0.00
52	CM	Toluene	1.170	1.198	-2.4#	88	0.00
53	T	t-1,3-Dichloropropene	0.586	0.609	-3.9	86	0.00
54	T	cis-1,3-Dichloropropene	0.694	0.716	-3.2	87	0.00
55	T	1,1,2-Trichloroethane	0.308	0.321	-4.2	90	0.00
56	T	Ethyl methacrylate	0.446	0.475	-6.5	88	0.00
57	T	1,3-Dichloropropane	0.548	0.576	-5.1	89	0.00
58	T	2-Chloroethyl Vinyl ether	0.188	0.239	-27.1#	119	0.00
59	T	2-Hexanone	0.194	0.206	-6.2	89	0.00
60	T	Dibromochloromethane	0.411	0.438	-6.6	89	0.00
61	T	1,2-Dibromoethane	0.286	0.299	-4.5	89	0.00
62	S	4-Bromofluorobenzene	0.482	0.406	15.8	72	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00
64	T	Tetrachloroethene	0.470	0.443	5.7	86	0.00
65	PM	Chlorobenzene	1.398	1.409	-0.8	90	0.00
66	T	1,1,1,2-Tetrachloroethane	0.478	0.489	-2.3	90	0.00
67	C	Ethyl Benzene	2.579	2.542	1.4#	87	0.00
68	T	m/p-Xylenes	0.959	0.944	1.6	86	0.00
69	T	o-Xylene	0.895	0.891	0.4	87	0.00
70	T	Styrene	1.495	1.505	-0.7	88	0.00
71	P	Bromoform	0.269	0.279	-3.7	90	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
73	T	Isopropylbenzene	4.363	4.137	5.2	86	0.00
74	T	N-amyl acetate	1.021	1.015	0.6	86	0.00
75	P	1,1,2,2-Tetrachloroethane	0.708	0.725	-2.4	93	0.00
76	T	1,2,3-Trichloropropane	0.519	0.532	-2.5	93	0.00
77	T	Bromobenzene	0.950	0.943	0.7	90	0.00
78	T	n-propylbenzene	5.257	4.958	5.7	85	0.00
79	T	2-Chlorotoluene	2.958	2.857	3.4	88	0.00
80	T	1,3,5-Trimethylbenzene	3.540	3.377	4.6	86	0.00
81	T	trans-1,4-Dichloro-2-butene	0.247	0.247	0.0	87	0.00
82	T	4-Chlorotoluene	3.068	2.936	4.3	87	0.00
83	T	tert-Butylbenzene	3.206	3.020	5.8	85	0.00
84	T	1,2,4-Trimethylbenzene	3.473	3.335	4.0	86	0.00
85	T	sec-Butylbenzene	4.662	4.327	7.2	84	0.00
86	T	p-Isopropyltoluene	3.844	3.639	5.3	84	0.00
87	T	1,3-Dichlorobenzene	1.876	1.803	3.9	88	0.00
88	T	1,4-Dichlorobenzene	1.858	1.784	4.0	88	0.00
89	T	n-Butylbenzene	3.643	3.417	6.2	83	0.00
90	T	Hexachloroethane	0.762	0.731	4.1	87	0.00
91	T	1,2-Dichlorobenzene	1.626	1.586	2.5	90	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.115	0.109	5.2	87	0.00
93	T	1,2,4-Trichlorobenzene	0.983	0.941	4.3	84	0.00
94	T	Hexachlorobutadiene	0.643	0.621	3.4	86	0.00
95	T	Naphthalene	1.686	1.705	-1.1	88	0.00

Sample Results: **VY020682.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020682.D
Acq On : 20 Dec 2024 19:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 20 22:04:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 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)
96 T	1,2,3-Trichlorobenzene	0.831	0.813	2.2	85	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY020682.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020682.D
Acq On : 20 Dec 2024 19:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 20 22:04:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 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	Pentafluorobenzene	50.000	50.000	0.0	85	0.00
2	T	Dichlorodifluoromethane	50.000	45.502	9.0	78	0.00
3	P	Chloromethane	50.000	44.285	11.4	81	0.00
4	C	Vinyl Chloride	50.000	30.430	39.1#	60	0.00
5	T	Bromomethane	50.000	34.241	31.5#	70	0.00
6	T	Chloroethane	50.000	31.154	37.7#	66	0.00
7	T	Trichlorofluoromethane	50.000	37.582	24.8	73	0.00
8	T	Diethyl Ether	50.000	41.896	16.2	77	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	39.189	21.6	71	0.00
10	T	Methyl Iodide	50.000	43.050	13.9	76	0.00
11	T	Tert butyl alcohol	250.000	213.879	14.4	85	0.00
12	CM	1,1-Dichloroethene	50.000	39.896	20.2#	72	0.00
13	T	Acrolein	250.000	145.691	41.7#	74	0.00
14	T	Allyl chloride	50.000	43.827	12.3	80	0.00
15	T	Acrylonitrile	250.000	262.307	-4.9	87	0.00
16	T	Acetone	250.000	198.675	20.5	75	0.00
17	T	Carbon Disulfide	50.000	41.052	17.9	73	0.00
18	T	Methyl Acetate	50.000	46.480	7.0	84	0.00
19	T	Methyl tert-butyl Ether	50.000	52.095	-4.2	86	0.00
20	T	Methylene Chloride	50.000	48.394	3.2	91	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.685	-1.4	85	0.00
22	T	Diisopropyl ether	50.000	52.616	-5.2	87	0.00
23	T	Vinyl Acetate	250.000	266.302	-6.5	87	0.00
24	P	1,1-Dichloroethane	50.000	52.280	-4.6	88	0.00
25	T	2-Butanone	250.000	247.823	0.9	87	0.00
26	T	2,2-Dichloropropane	50.000	45.653	8.7	81	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.699	-3.4	87	0.00
28	T	Bromochloromethane	50.000	65.015	-30.0#	98	0.00
29	T	Tetrahydrofuran	250.000	268.209	-7.3	88	0.00
30	C	Chloroform	50.000	54.780	-9.6#	88	0.00
31	T	Cyclohexane	50.000	44.289	11.4	78	0.00
32	T	1,1,1-Trichloroethane	50.000	50.188	-0.4	85	0.00
33	S	1,2-Dichloroethane-d4	50.000	43.111	13.8	71	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	86	0.00
35	S	Dibromofluoromethane	50.000	44.159	11.7	74	0.00
36	T	1,1-Dichloropropene	50.000	48.693	2.6	84	0.00
37	T	Ethyl Acetate	50.000	50.601	-1.2	88	0.00
38	T	Carbon Tetrachloride	50.000	48.699	2.6	85	0.00
39	T	Methylcyclohexane	50.000	43.957	12.1	76	0.00
40	TM	Benzene	50.000	50.578	-1.2	88	0.00
41	T	Methacrylonitrile	50.000	48.692	2.6	86	0.00
42	TM	1,2-Dichloroethane	50.000	51.589	-3.2	88	0.00
43	T	Isopropyl Acetate	50.000	51.476	-3.0	87	0.00
44	TM	Trichloroethene	50.000	50.065	-0.1	87	0.00
45	C	1,2-Dichloropropane	50.000	51.953	-3.9#	90	0.00
46	T	Dibromomethane	50.000	52.734	-5.5	91	0.00
47	T	Bromodichloromethane	50.000	52.643	-5.3	90	0.00
48	T	Methyl methacrylate	50.000	52.516	-5.0	89	0.00

Sample Results: **VY020682.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020682.D
Acq On : 20 Dec 2024 19:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 20 22:04:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 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	1,4-Dioxane	1000.000	1069.318	-6.9	91	0.00
50	S	Toluene-d8	50.000	42.543	14.9	71	0.00
51	T	4-Methyl-2-Pentanone	250.000	255.175	-2.1	88	0.00
52	CM	Toluene	50.000	51.164	-2.3#	88	0.00
53	T	t-1,3-Dichloropropene	50.000	51.983	-4.0	86	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.582	-3.2	87	0.00
55	T	1,1,2-Trichloroethane	50.000	52.160	-4.3	90	0.00
56	T	Ethyl methacrylate	50.000	53.177	-6.4	88	0.00
57	T	1,3-Dichloropropane	50.000	52.533	-5.1	89	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	318.460	-27.4#	119	0.00
59	T	2-Hexanone	250.000	266.163	-6.5	89	0.00
60	T	Dibromochloromethane	50.000	53.204	-6.4	89	0.00
61	T	1,2-Dibromoethane	50.000	52.208	-4.4	89	0.00
62	S	4-Bromofluorobenzene	50.000	42.042	15.9	72	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	87	0.00
64	T	Tetrachloroethene	50.000	47.125	5.8	86	0.00
65	PM	Chlorobenzene	50.000	50.396	-0.8	90	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.120	-2.2	90	0.00
67	C	Ethyl Benzene	50.000	49.283	1.4#	87	0.00
68	T	m/p-Xylenes	100.000	98.385	1.6	86	0.00
69	T	o-Xylene	50.000	49.791	0.4	87	0.00
70	T	Styrene	50.000	50.345	-0.7	88	0.00
71	P	Bromoform	50.000	51.813	-3.6	90	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	91	0.00
73	T	Isopropylbenzene	50.000	47.402	5.2	86	0.00
74	T	N-amyl acetate	50.000	49.676	0.6	86	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.155	-2.3	93	0.00
76	T	1,2,3-Trichloropropane	50.000	51.211	-2.4	93	0.00
77	T	Bromobenzene	50.000	49.582	0.8	90	0.00
78	T	n-propylbenzene	50.000	47.158	5.7	85	0.00
79	T	2-Chlorotoluene	50.000	48.298	3.4	88	0.00
80	T	1,3,5-Trimethylbenzene	50.000	47.693	4.6	86	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.831	0.3	87	0.00
82	T	4-Chlorotoluene	50.000	47.838	4.3	87	0.00
83	T	tert-Butylbenzene	50.000	47.095	5.8	85	0.00
84	T	1,2,4-Trimethylbenzene	50.000	48.012	4.0	86	0.00
85	T	sec-Butylbenzene	50.000	46.404	7.2	84	0.00
86	T	p-Isopropyltoluene	50.000	47.333	5.3	84	0.00
87	T	1,3-Dichlorobenzene	50.000	48.040	3.9	88	0.00
88	T	1,4-Dichlorobenzene	50.000	47.998	4.0	88	0.00
89	T	n-Butylbenzene	50.000	46.895	6.2	83	0.00
90	T	Hexachloroethane	50.000	47.992	4.0	87	0.00
91	T	1,2-Dichlorobenzene	50.000	48.776	2.4	90	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	47.271	5.5	87	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.858	4.3	84	0.00
94	T	Hexachlorobutadiene	50.000	48.301	3.4	86	0.00
95	T	Naphthalene	50.000	50.583	-1.2	88	0.00

Sample Results: **VY020682.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020682.D
Acq On : 20 Dec 2024 19:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 20 22:04:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 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)
96 T	1,2,3-Trichlorobenzene	50.000	48.917	2.2	85	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY020728.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG No.: P5316

Instrument ID: MSVOA_Y Calibration Date/Time: 12/26/2024 19:34

Lab File ID: VY020728.D Init. Calib. Date(s): 12/26/2024 12/26/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:31 11:51

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.182	0.179		-1.65	50
1,1-Dichloroethene	0.342	0.342		0	50
Acetone	0.052	0.049		-5.77	50
Methyl tert-butyl Ether	0.952	0.995		4.52	50
Methylene Chloride	0.338	0.368		8.88	50
trans-1,2-Dichloroethene	0.368	0.389		5.71	50
1,1-Dichloroethane	0.609	0.649	0.1	6.57	50
2-Butanone	0.070	0.077		10	50
Carbon Tetrachloride	0.599	0.539		-10.18	50
cis-1,2-Dichloroethene	0.441	0.465		5.44	50
Chloroform	0.784	0.803		2.42	50
1,1,1-Trichloroethane	0.840	0.815		-2.98	50
Benzene	1.054	1.074		1.9	50
1,2-Dichloroethane	0.338	0.338		0	50
Trichloroethene	0.315	0.307		-2.54	50
Toluene	0.723	0.732		1.25	50
Tetrachloroethene	0.342	0.319		-6.72	50
Chlorobenzene	0.979	0.970	0.3	-0.92	50
Ethyl Benzene	1.711	1.696		-0.88	50
m/p-Xylenes	0.653	0.644		-1.38	50
o-Xylene	0.624	0.616		-1.28	50
n-propylbenzene	3.883	3.687		-5.05	50
tert-Butylbenzene	2.695	2.503		-7.12	50
1,2,4-Trimethylbenzene	2.809	2.733		-2.71	50
sec-Butylbenzene	3.633	3.391		-6.66	50
1,3-Dichlorobenzene	1.559	1.481		-5	50
1,4-Dichlorobenzene	1.550	1.470		-5.16	50
n-Butylbenzene	2.702	2.492		-7.77	50
1,2-Dichlorobenzene	1.336	1.313		-1.72	50
1,2-Dichloroethane-d4	0.410	0.485		18.29	50
Dibromofluoromethane	0.275	0.305		10.91	50
Toluene-d8	0.971	1.170		20.49	50
4-Bromofluorobenzene	0.366	0.411		12.3	50
1,4-Dioxane	1.407	1.590	0.05	13.01	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Sample Results: **VY020728.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020728.D
Acq On : 26 Dec 2024 19:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 27 00:37:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	118688	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.616	114	172132	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	148030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	76525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	57538	59.186	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.380%			
35) Dibromofluoromethane	7.640	113	52517	55.390	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.780%			
50) Toluene-d8	10.109	98	201423	53.305	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.600%			
62) 4-Bromofluorobenzene	12.408	95	70702	56.112	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 112.220%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	42146	45.114	ug/l	94
3) Chloromethane	2.074	50	18374	52.737	ug/l	94
4) Vinyl Chloride	2.208	62	21249	49.224	ug/l	96
5) Bromomethane	2.604	94	16604	50.944	ug/l	93
6) Chloroethane	2.745	64	13180	50.896	ug/l	97
7) Trichlorofluoromethane	3.068	101	73042	44.000	ug/l	98
8) Diethyl Ether	3.464	74	21450	54.301	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.824	101	43414	47.637	ug/l	99
10) Methyl Iodide	4.013	142	51674	51.852	ug/l	100
11) Tert butyl alcohol	4.878	59	16118	266.739	ug/l #	81
12) 1,1-Dichloroethene	3.799	96	40626	50.083	ug/l	97
13) Acrolein	3.659	56	3260	160.414	ug/l	98
14) Allyl chloride	4.391	41	50835	53.553	ug/l	93
15) Acrylonitrile	5.073	53	40816	267.470	ug/l	97
16) Acetone	3.879	43	29116	236.085	ug/l	97
17) Carbon Disulfide	4.116	76	104201	52.366	ug/l	98
18) Methyl Acetate	4.391	43	18350	54.975	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	118115	52.242	ug/l	98
20) Methylene Chloride	4.628	84	43712	54.496	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	46151	52.798	ug/l	97
22) Diisopropyl ether	6.025	45	108472	56.213	ug/l	99
23) Vinyl Acetate	5.970	43	314401	272.779	ug/l	96
24) 1,1-Dichloroethane	5.927	63	76973	53.204	ug/l	98
25) 2-Butanone	6.896	43	45661	274.081	ug/l	90
26) 2,2-Dichloropropane	6.890	77	83233	47.004	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	55233	52.764	ug/l	97
28) Bromochloromethane	7.250	49	23832	62.291	ug/l	98
29) Tetrahydrofuran	7.262	42	28493	278.632	ug/l	99
30) Chloroform	7.427	83	95317	51.215	ug/l	99
31) Cyclohexane	7.707	56	56780	45.467	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	96771	48.508	ug/l	100
36) 1,1-Dichloropropene	7.841	75	59925	47.847	ug/l	98
37) Ethyl Acetate	6.988	43	21782	52.779	ug/l	98
38) Carbon Tetrachloride	7.823	117	92693	44.945	ug/l	96
39) Methylcyclohexane	9.115	83	73974	46.082	ug/l	95
40) Benzene	8.085	78	184941	50.952	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020728.D
Acq On : 26 Dec 2024 19:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 27 00:37:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	12457	59.754	ug/l		94
42) 1,2-Dichloroethane	8.164	62	58148	49.961	ug/l		99
43) Isopropyl Acetate	8.201	43	45902	52.327	ug/l		100
44) Trichloroethene	8.865	130	52902	48.797	ug/l		97
45) 1,2-Dichloropropane	9.146	63	38629	52.575	ug/l		99
46) Dibromomethane	9.237	93	25757	50.665	ug/l		96
47) Bromodichloromethane	9.426	83	71632	49.700	ug/l		93
48) Methyl methacrylate	9.225	41	20264	49.466	ug/l		98
49) 1,4-Dioxane	9.237	88	5473	1130.206	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	111120	262.443	ug/l		99
52) Toluene	10.170	92	126070	50.676	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	63222	49.943	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	70450	50.773	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	33307	51.326	ug/l		96
56) Ethyl methacrylate	10.444	69	44306	51.971	ug/l		97
57) 1,3-Dichloropropane	10.719	76	53860	51.138	ug/l		96
58) 2-Chloroethyl Vinyl ether	9.713	63	89410	300.757	ug/l		99
59) 2-Hexanone	10.761	43	76163	272.444	ug/l		98
60) Dibromochloromethane	10.914	129	51420	49.038	ug/l		99
61) 1,2-Dibromoethane	11.018	107	30175	49.418	ug/l		98
64) Tetrachloroethene	10.652	164	47206	46.676	ug/l		98
65) Chlorobenzene	11.444	112	143586	49.537	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	54805	48.804	ug/l		99
67) Ethyl Benzene	11.524	91	251000	49.546	ug/l		99
68) m/p-Xylenes	11.633	106	190725	98.695	ug/l		99
69) o-Xylene	11.956	106	91171	49.380	ug/l		100
70) Styrene	11.969	104	156202	50.397	ug/l		98
71) Bromoform	12.133	173	32013	49.586	ug/l	#	99
73) Isopropylbenzene	12.255	105	249657	47.089	ug/l		99
74) N-amyl acetate	12.072	43	39222	52.059	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	33686	49.563	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	28814m	59.202	ug/l		
77) Bromobenzene	12.536	156	59248	48.546	ug/l		100
78) n-propylbenzene	12.597	91	282155	47.482	ug/l		99
79) 2-Chlorotoluene	12.682	91	162993	48.116	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	212033	48.002	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	12073	49.030	ug/l		96
82) 4-Chlorotoluene	12.779	91	167778	47.924	ug/l		100
83) tert-Butylbenzene	12.999	119	191560	46.437	ug/l		100
84) 1,2,4-Trimethylbenzene	13.048	105	209170	48.661	ug/l		99
85) sec-Butylbenzene	13.176	105	259512	46.679	ug/l		99
86) p-Isopropyltoluene	13.292	119	231821	46.789	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	113309	47.503	ug/l		97
88) 1,4-Dichlorobenzene	13.371	146	112454	47.392	ug/l		98
89) n-Butylbenzene	13.621	91	190714	46.112	ug/l		99
90) Hexachloroethane	13.883	117	43349	46.011	ug/l		100
91) 1,2-Dichlorobenzene	13.663	146	100450	49.115	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6413	48.649	ug/l		95
93) 1,2,4-Trichlorobenzene	14.925	180	59790	45.993	ug/l		100
94) Hexachlorobutadiene	15.029	225	40572	42.822	ug/l		100
95) Naphthalene	15.151	128	97419	46.789	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	50331	46.500	ug/l		99

Sample Results: **VY020728.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020728.D
Acq On : 26 Dec 2024 19:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 27 00:37:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020728.D
Acq On : 26 Dec 2024 19:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 27 00:37:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
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ClientSampleId :
VSTDCCC050EC

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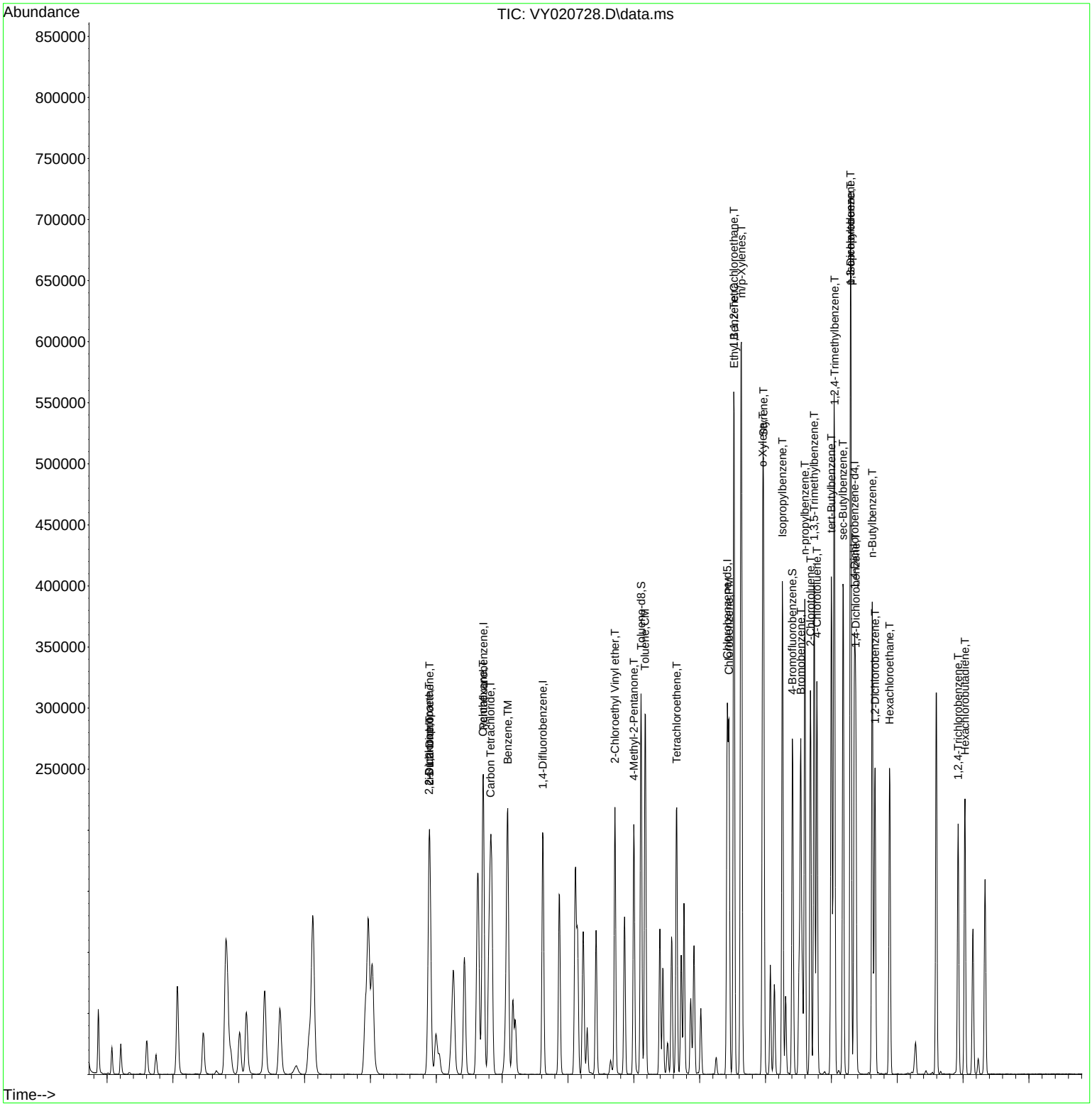
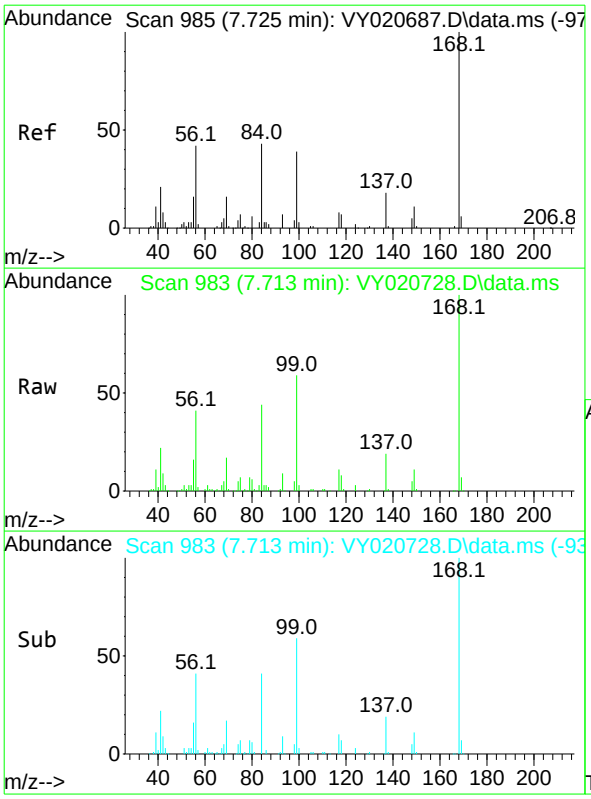
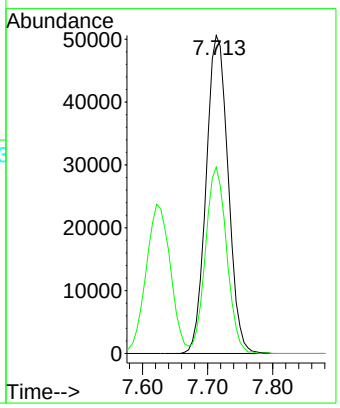




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:168 Resp: 118688

Ion	Ratio	Lower	Upper
168	100		
99	58.6	43.8	65.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
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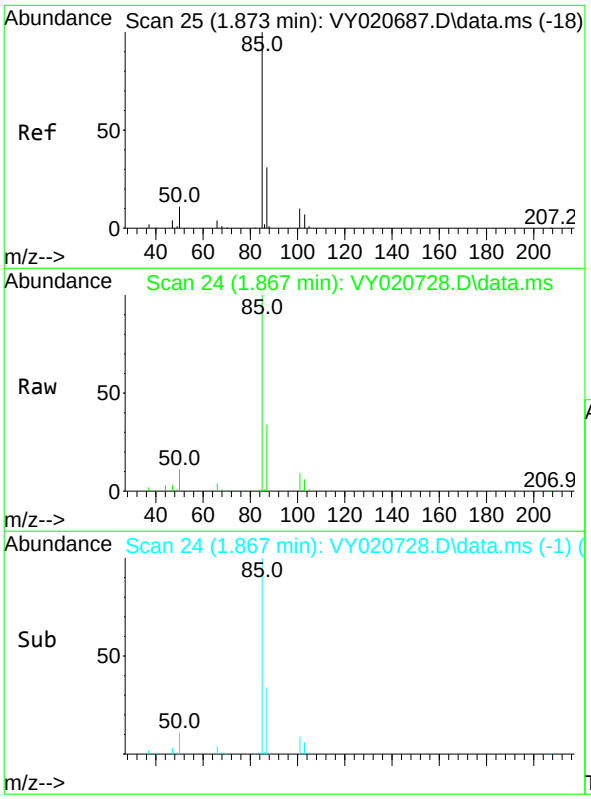
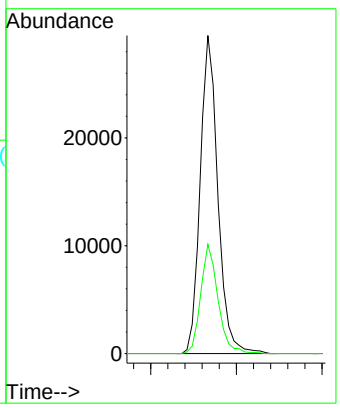
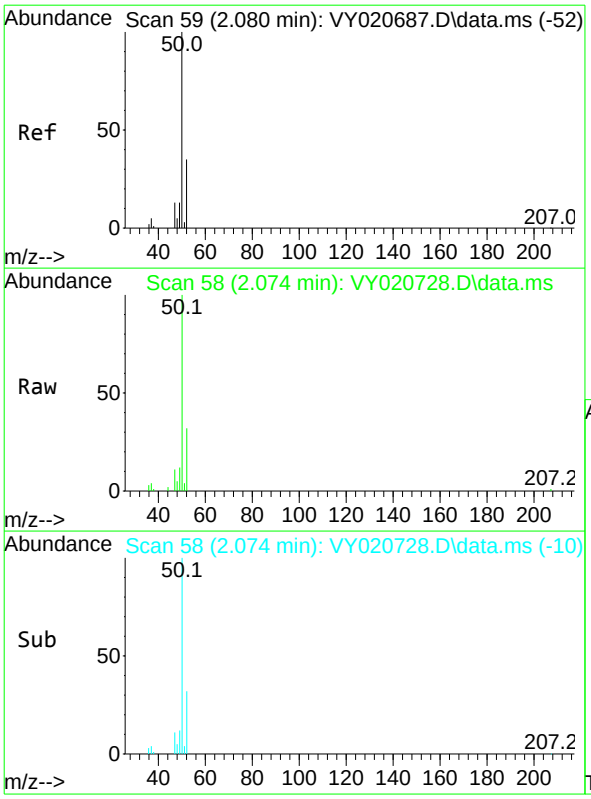


#2
Dichlorodifluoromethane
Concen: 45.114 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 85 Resp: 42146

Ion	Ratio	Lower	Upper
85	100		
87	34.4	15.4	46.4

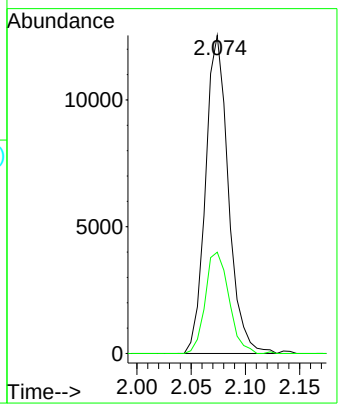




#3
Chloromethane
Concen: 52.737 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 50 Resp: 18374

Ion	Ratio	Lower	Upper
50	100		
52	31.9	28.2	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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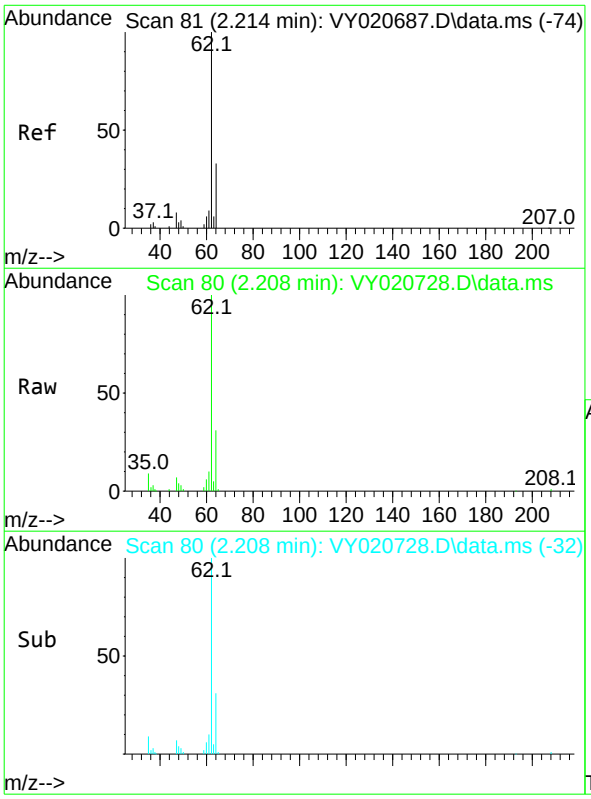
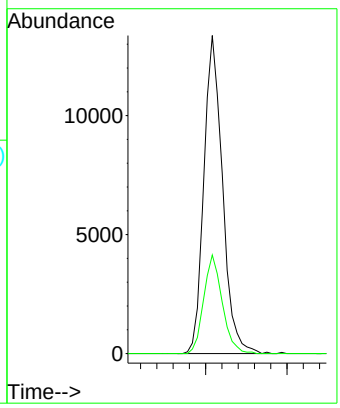
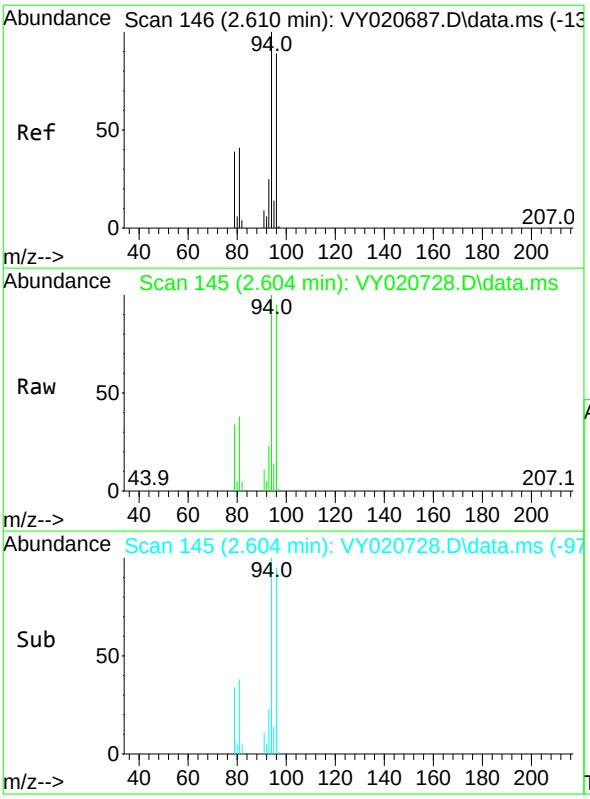


#4
Vinyl Chloride
Concen: 49.224 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 62 Resp: 21249

Ion	Ratio	Lower	Upper
62	100		
64	31.0	26.6	40.0

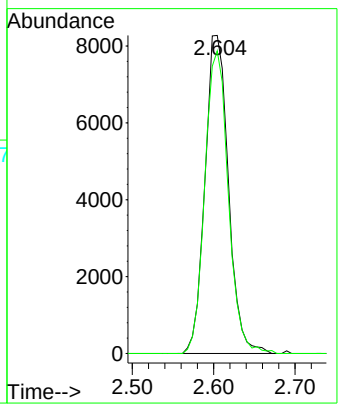




#5
Bromomethane
Concen: 50.944 ug/l
RT: 2.604 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 94 Resp: 16604

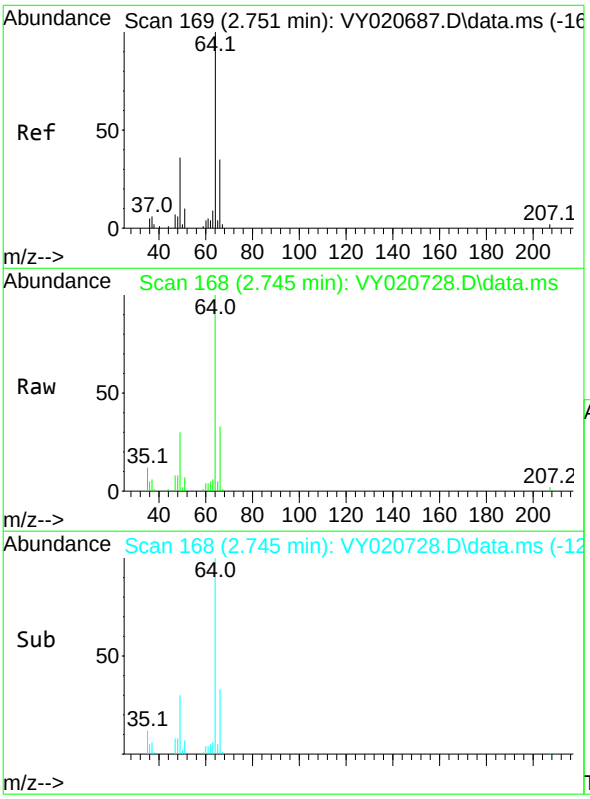
Ion	Ratio	Lower	Upper
94	100		
96	95.1	71.0	106.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

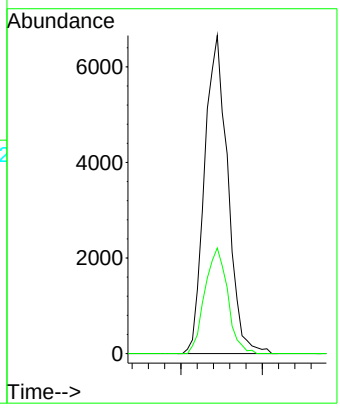
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

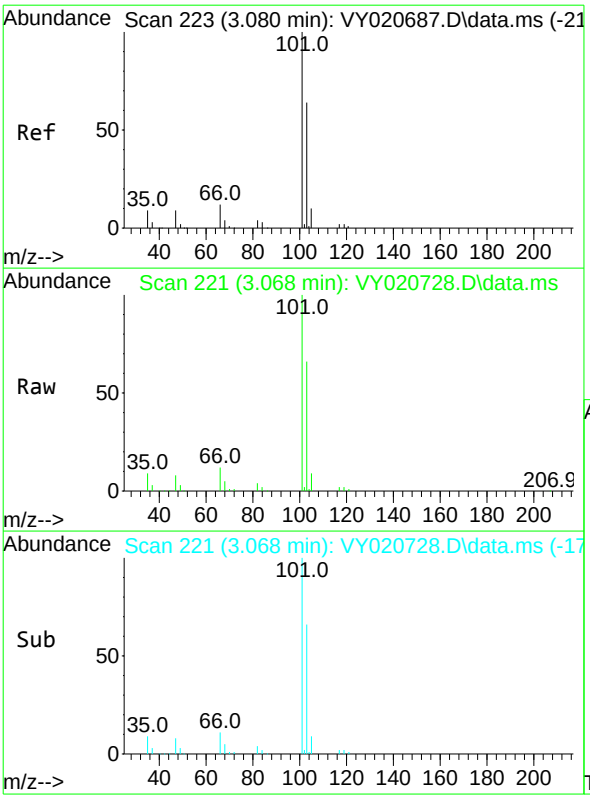


#6
Chloroethane
Concen: 50.896 ug/l
RT: 2.745 min Scan# 168
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 64 Resp: 13180

Ion	Ratio	Lower	Upper
64	100		
66	33.2	27.8	41.8

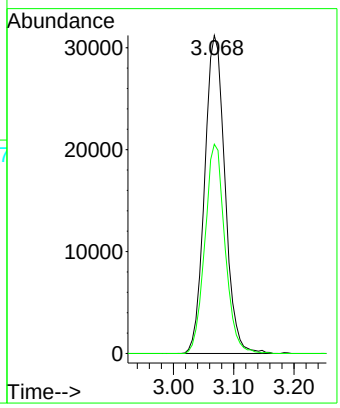




#7
Trichlorofluoromethane
Concen: 44.000 ug/l
RT: 3.068 min Scan# 22
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:101 Resp: 73042

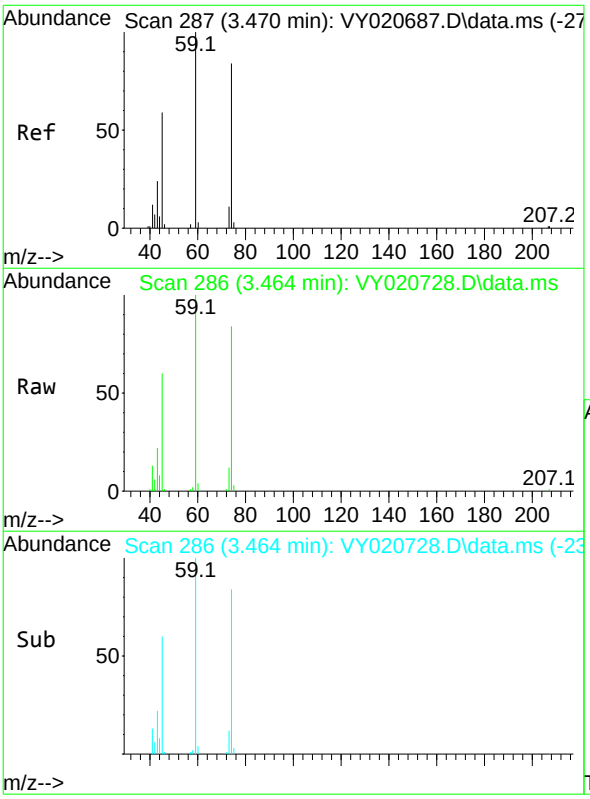
Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

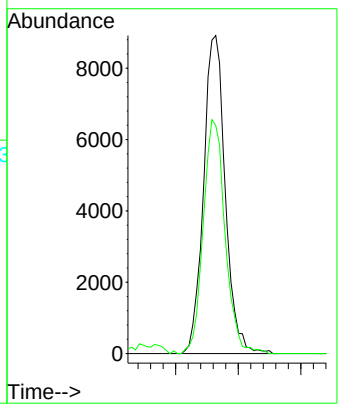
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

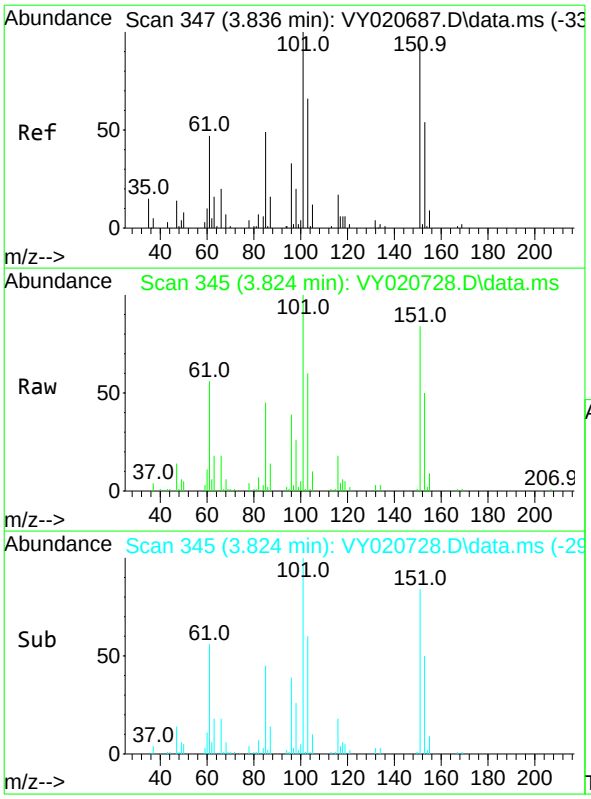


#8
Diethyl Ether
Concen: 54.301 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 74 Resp: 21450

Ion	Ratio	Lower	Upper
74	100		
45	74.1	35.8	107.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.637 ug/l
RT: 3.824 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 43414

Ion	Ratio	Lower	Upper
101	100		
85	46.1	38.2	57.2
151	85.1	68.4	102.6

Manual Integrations
APPROVED

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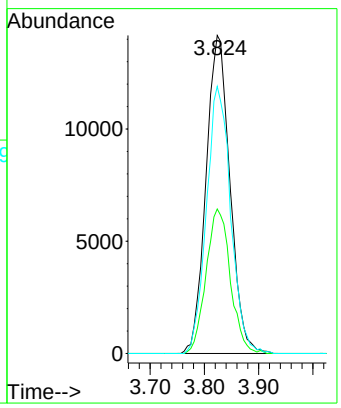
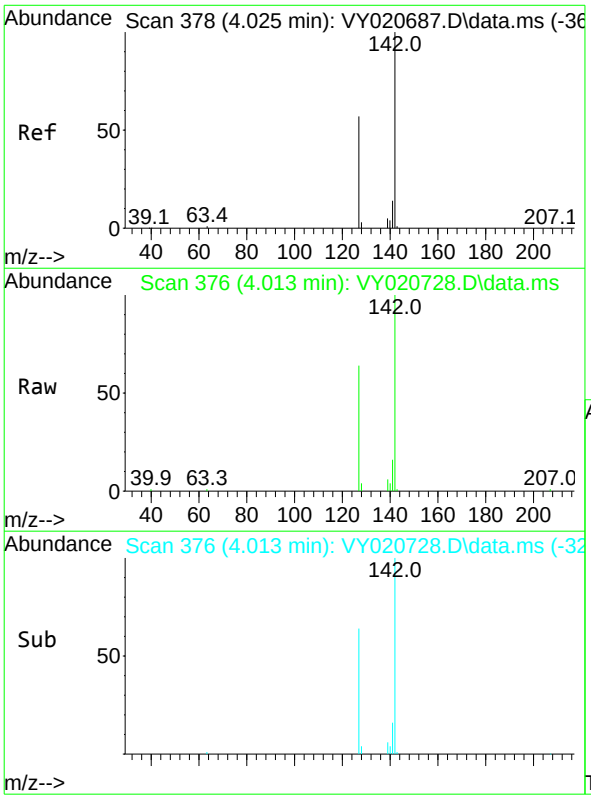
Supervised By :Semsettin Yesilyurt 12/27/2024

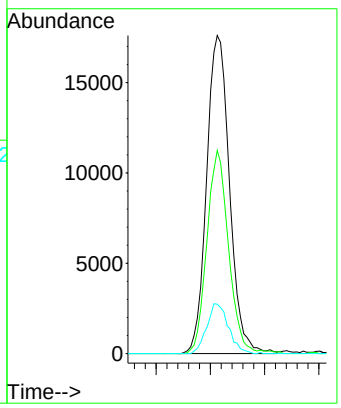


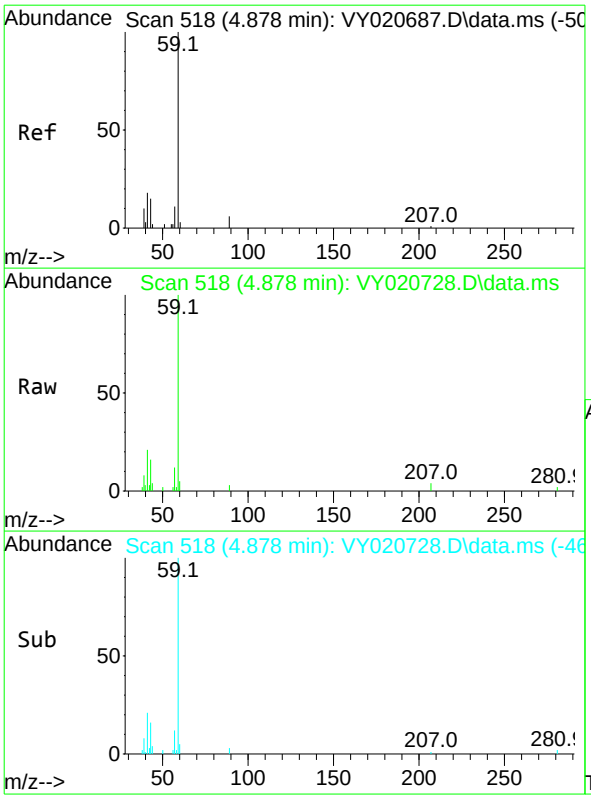


#10
Methyl Iodide
Concen: 51.852 ug/l
RT: 4.013 min Scan# 376
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:142 Resp: 51674

Ion	Ratio	Lower	Upper
142	100		
127	60.7	48.8	73.2
141	14.8	11.9	17.9

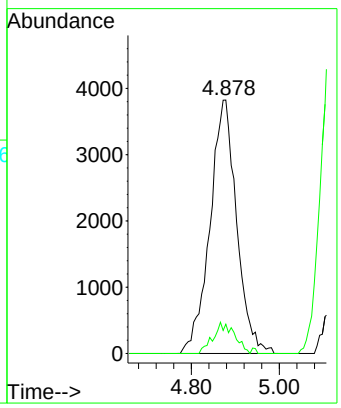




#11
Tert butyl alcohol
Concen: 266.739 ug/l
RT: 4.878 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 59 Resp: 16118

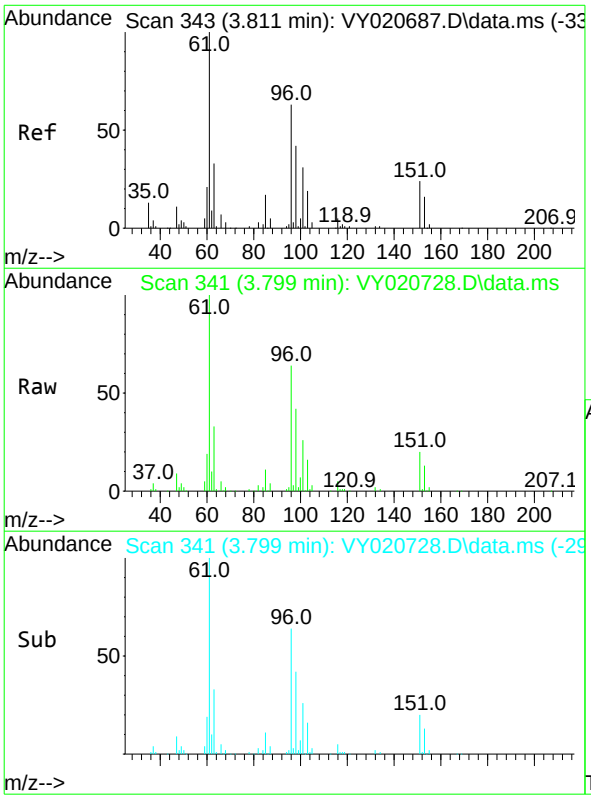
Ion	Ratio	Lower	Upper
59	100		
57	9.7	2.8	4.2#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

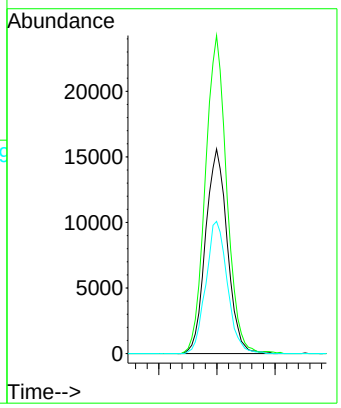
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

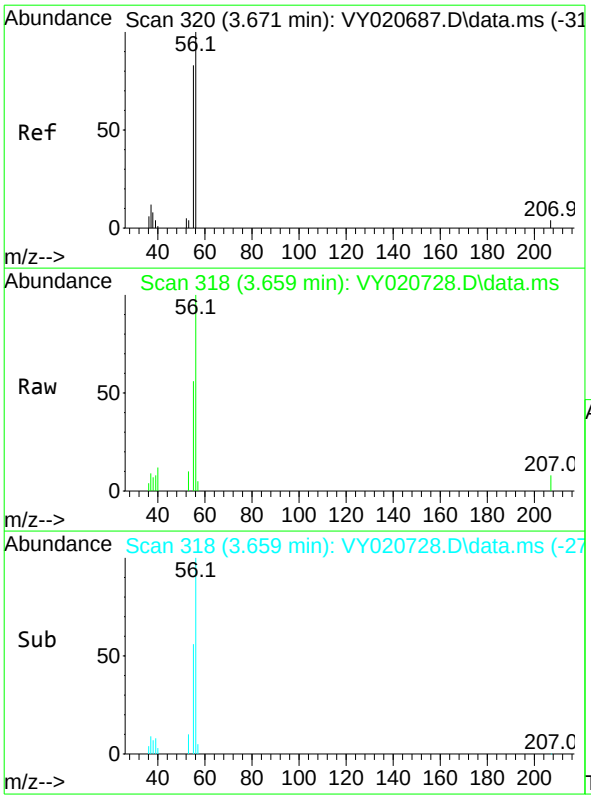


#12
1,1-Dichloroethene
Concen: 50.083 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 96 Resp: 40626

Ion	Ratio	Lower	Upper
96	100		
61	155.5	127.1	190.7
98	64.6	53.4	80.0

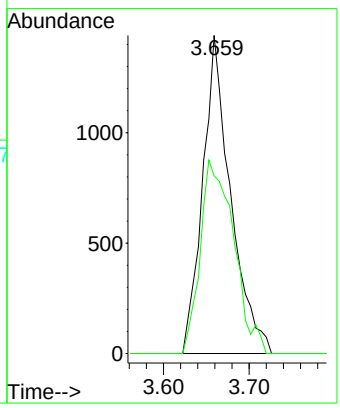




#13
Acrolein
Concen: 160.414 ug/l
RT: 3.659 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 56 Resp: 3260

Ion	Ratio	Lower	Upper
56	100		
55	72.7	57.0	85.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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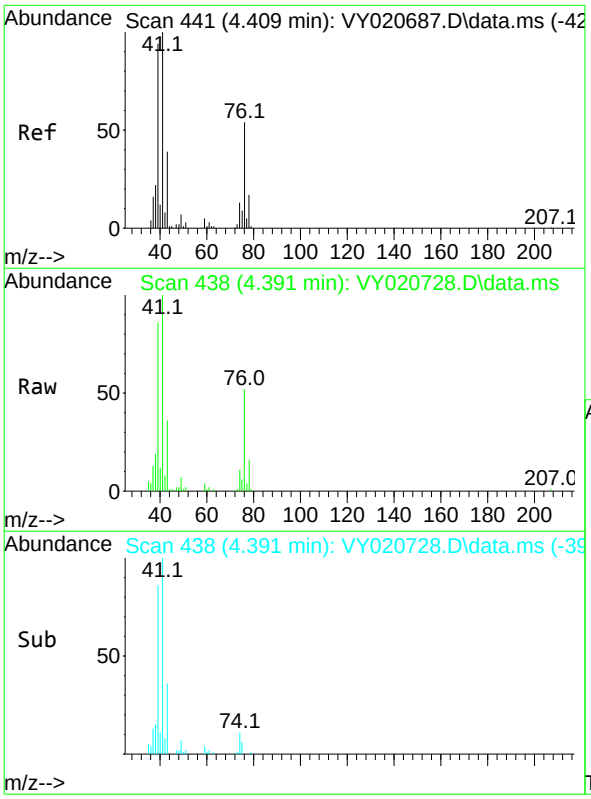
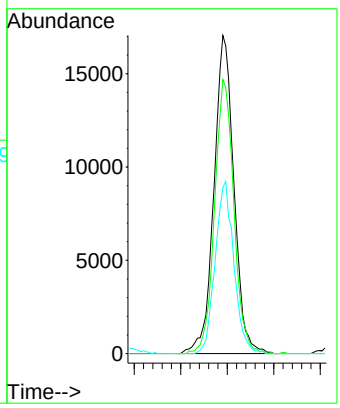
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

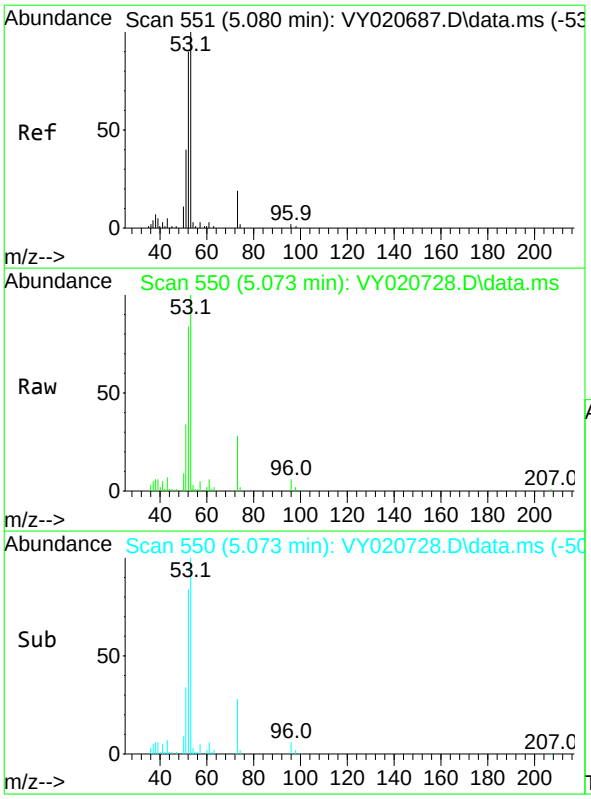


#14
Allyl chloride
Concen: 53.553 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.018 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 41 Resp: 50835

Ion	Ratio	Lower	Upper
41	100		
39	83.2	73.5	110.3
76	50.6	41.8	62.8





#15
Acrylonitrile
Concen: 267.470 ug/l
RT: 5.073 min Scan# 55
Delta R.T. -0.007 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 53 Resp: 40816

Ion	Ratio	Lower	Upper
53	100		
52	81.0	67.1	100.7
51	38.4	31.4	47.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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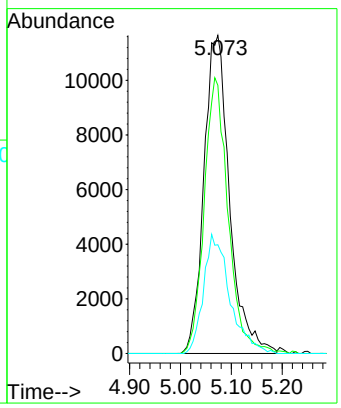
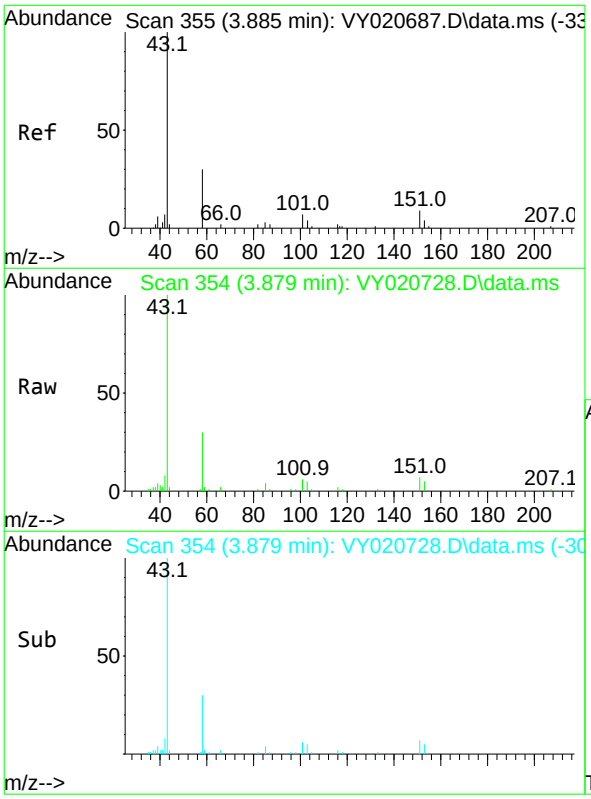
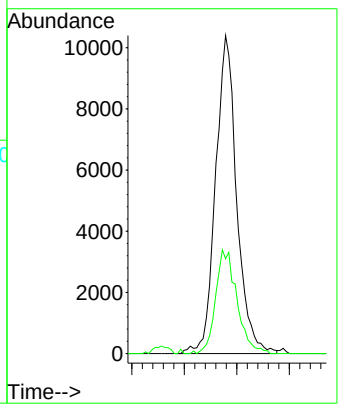


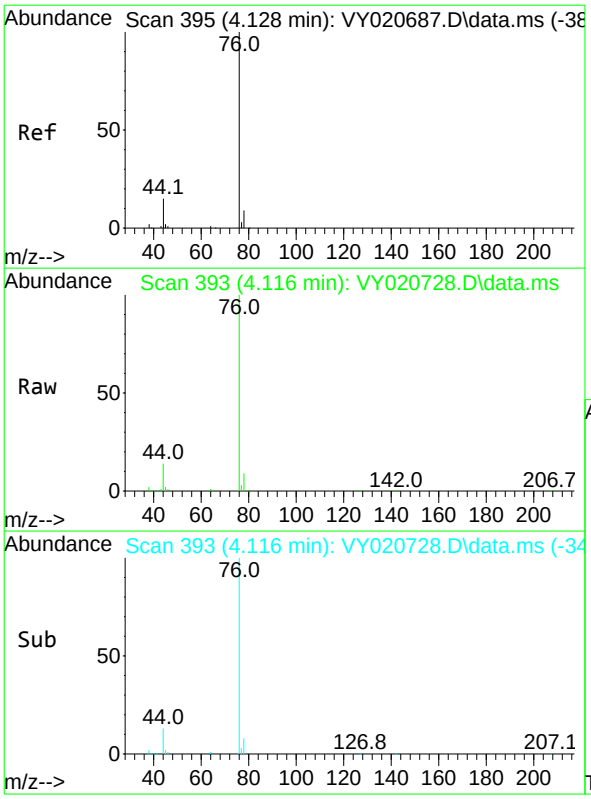


#16
Acetone
Concen: 236.085 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 43 Resp: 29116

Ion	Ratio	Lower	Upper
43	100		
58	29.8	25.0	37.6

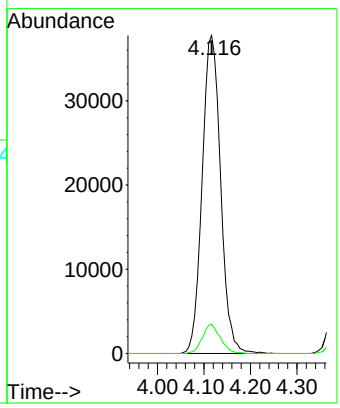




#17
Carbon Disulfide
Concen: 52.366 ug/l
RT: 4.116 min Scan# 39
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 76 Resp: 104201

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.9	10.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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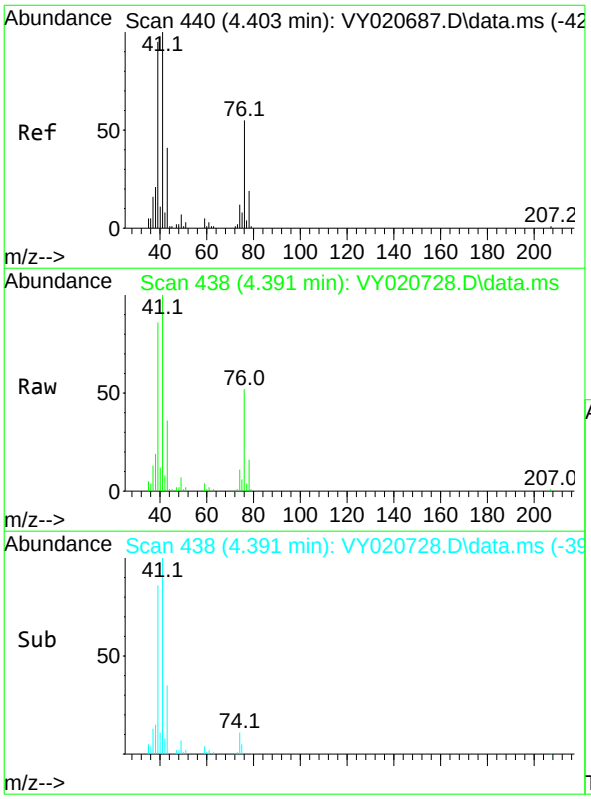
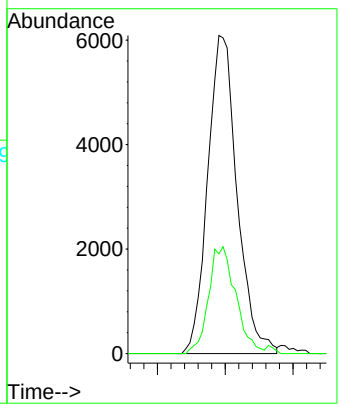
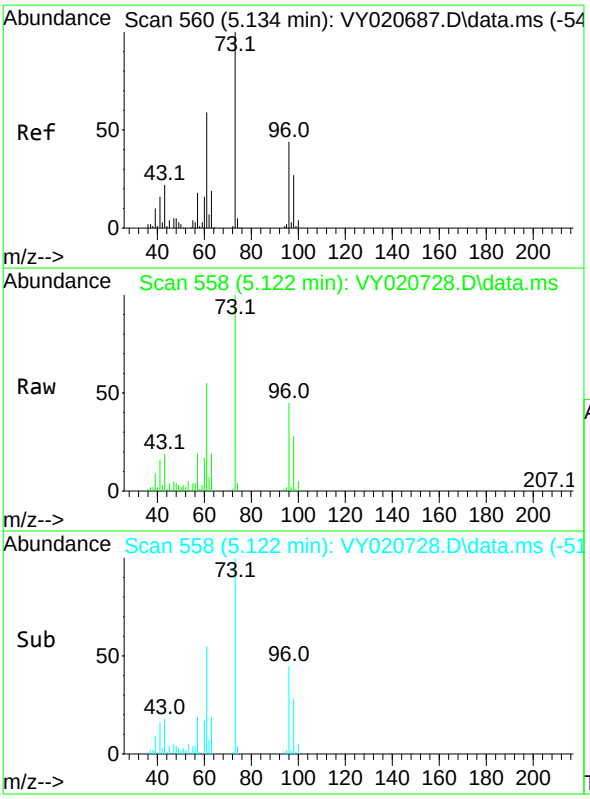


#18
Methyl Acetate
Concen: 54.975 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 43 Resp: 18350

Ion	Ratio	Lower	Upper
43	100		
74	31.0	25.3	37.9

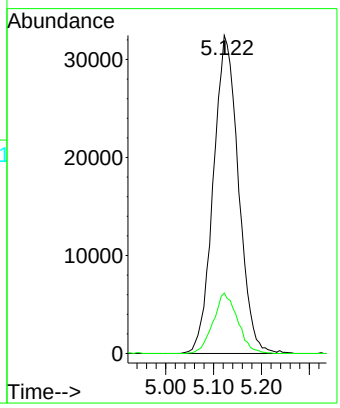




#19
Methyl tert-butyl Ether
Concen: 52.242 ug/l
RT: 5.122 min Scan# 55
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 73 Resp: 118115

Ion	Ratio	Lower	Upper
73	100		
57	19.0	14.4	21.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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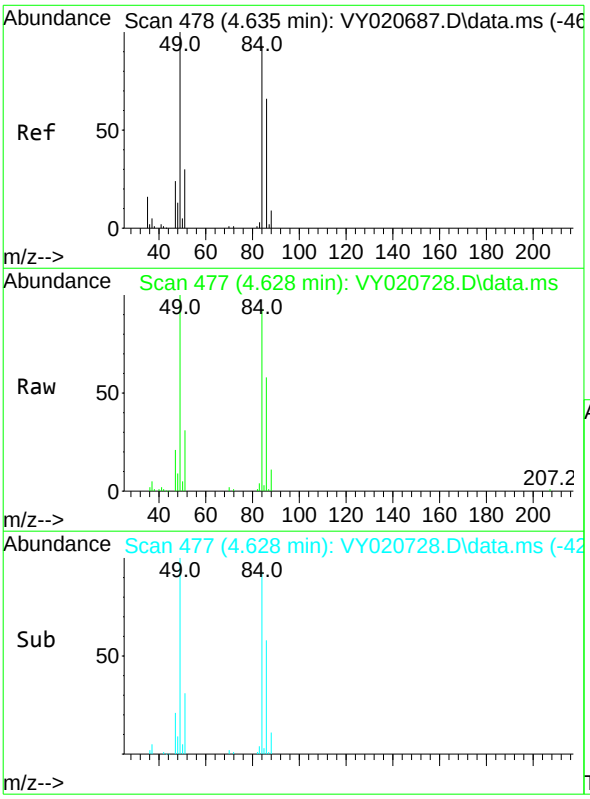
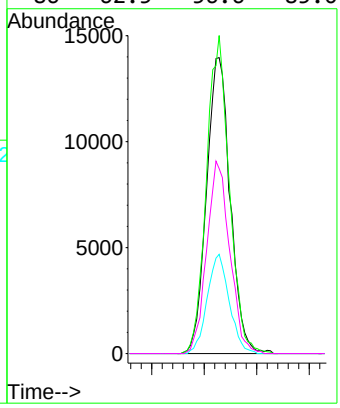
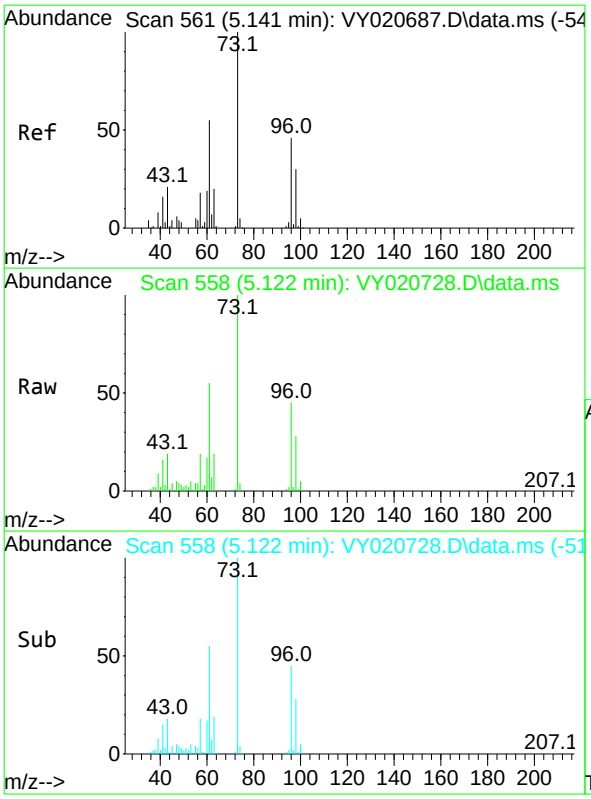


#20
Methylene Chloride
Concen: 54.496 ug/l
RT: 4.628 min Scan# 477
Delta R.T. -0.007 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 84 Resp: 43712

Ion	Ratio	Lower	Upper
84	100		
49	107.5	86.4	129.6
51	33.5	25.5	38.3
86	62.5	56.6	85.0

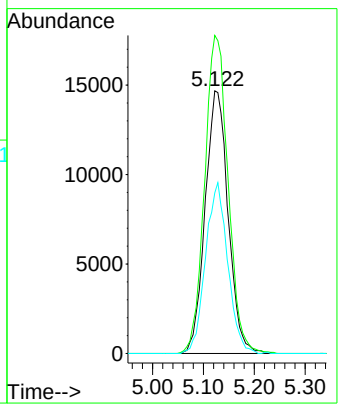




#21
trans-1,2-Dichloroethene
Concen: 52.798 ug/l
RT: 5.122 min Scan# 55
Delta R.T. -0.019 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 96 Resp: 46151

Ion	Ratio	Lower	Upper
96	100		
61	121.1	96.1	144.1
98	61.1	52.7	79.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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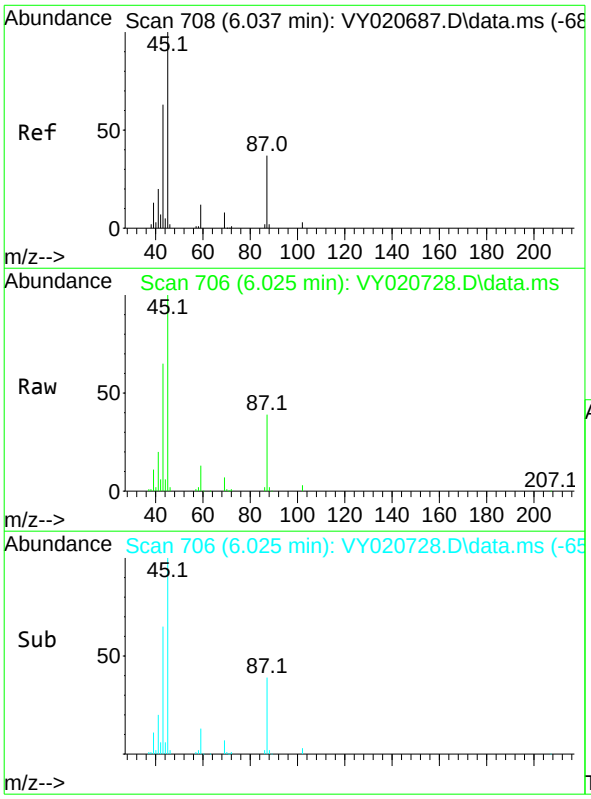
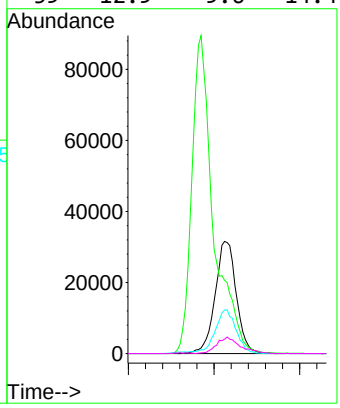
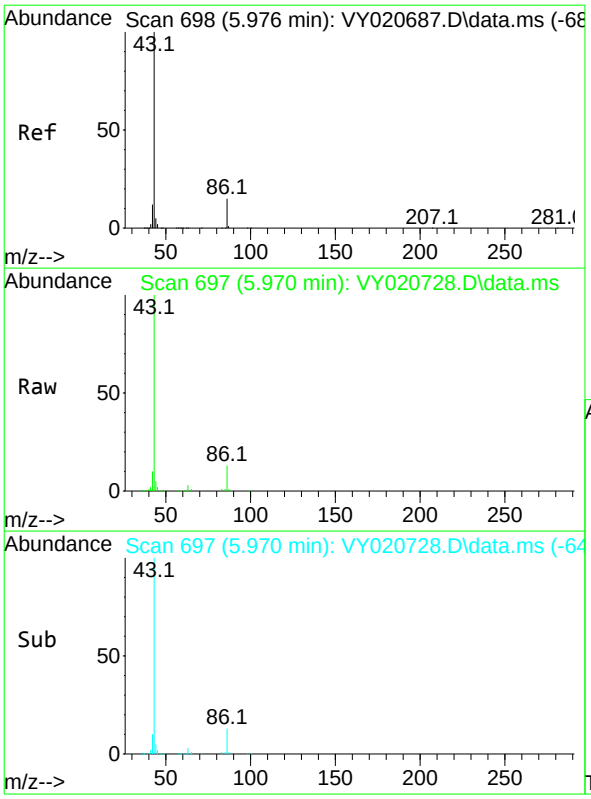


#22
Diisopropyl ether
Concen: 56.213 ug/l
RT: 6.025 min Scan# 706
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 45 Resp: 108472

Ion	Ratio	Lower	Upper
45	100		
43	64.9	51.3	76.9
87	38.7	30.6	46.0
59	12.9	9.6	14.4





#23
Vinyl Acetate
Concen: 272.779 ug/l
RT: 5.970 min Scan# 69
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 43 Resp: 314401

Ion	Ratio	Lower	Upper
43	100		
86	13.2	12.0	18.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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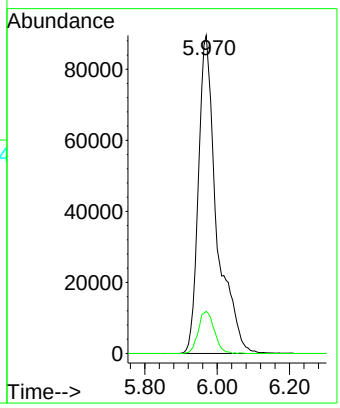
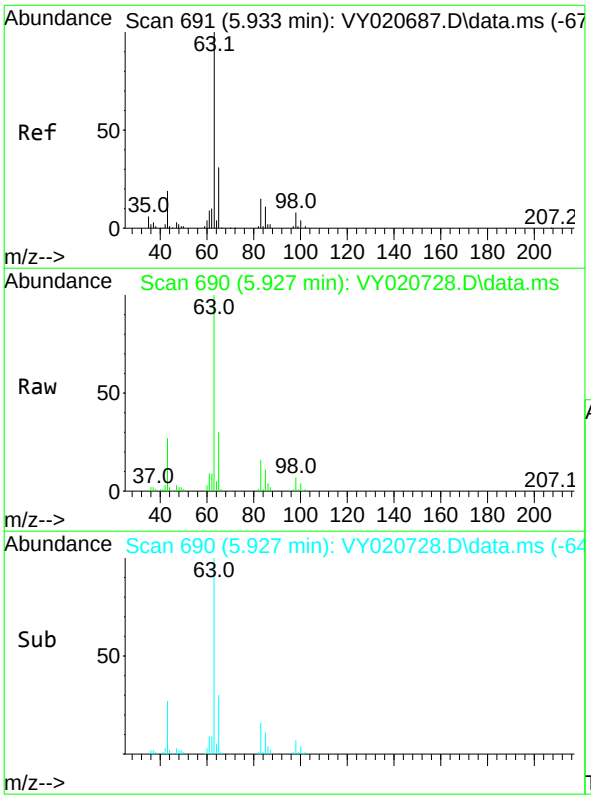
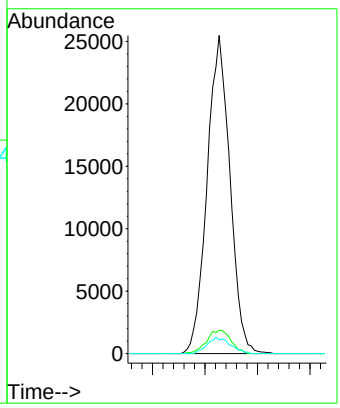


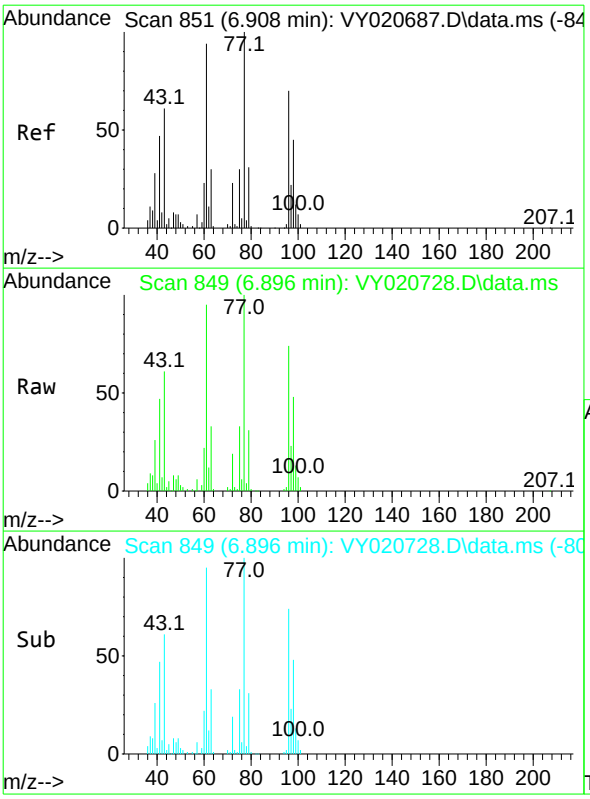


#24
1,1-Dichloroethane
Concen: 53.204 ug/l
RT: 5.927 min Scan# 690
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 63 Resp: 76973

Ion	Ratio	Lower	Upper
63	100		
98	7.3	4.0	12.0
100	4.3	2.1	6.2





#25
2-Butanone
Concen: 274.081 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 43 Resp: 45661

Ion	Ratio	Lower	Upper
43	100		
72	30.9	29.5	44.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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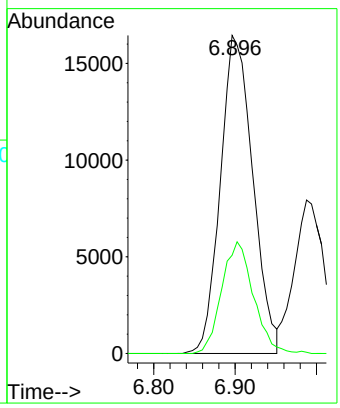
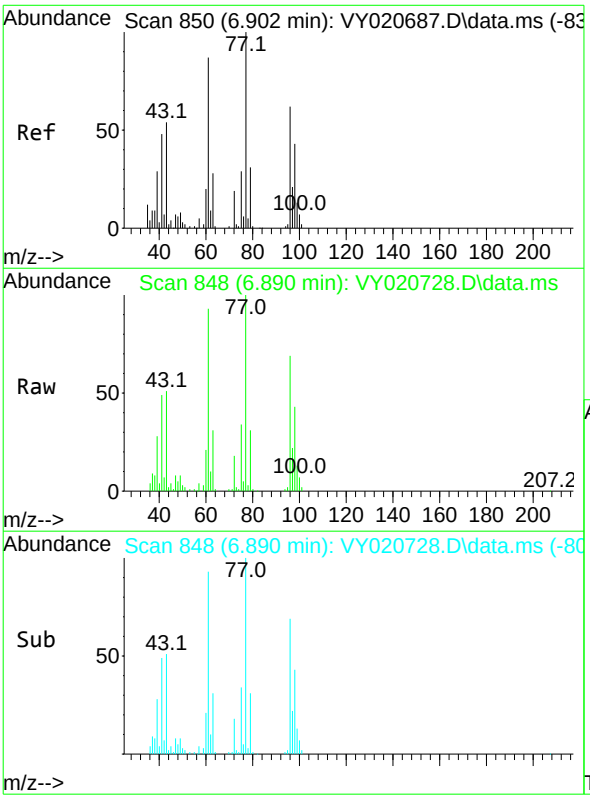
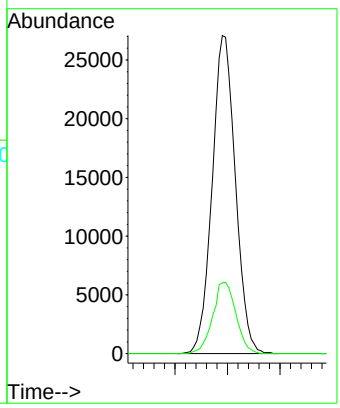


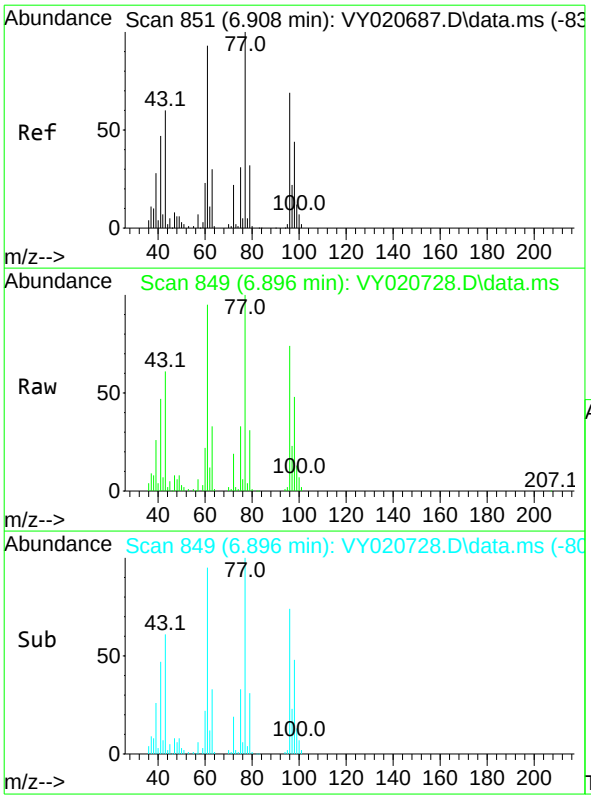


#26
2,2-Dichloropropane
Concen: 47.004 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 77 Resp: 83233

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.8	32.4





#27
cis-1,2-Dichloroethene
Concen: 52.764 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 96 Resp: 55233

Ion	Ratio	Lower	Upper
96	100		
61	134.1	0.0	277.2
98	64.2	0.0	131.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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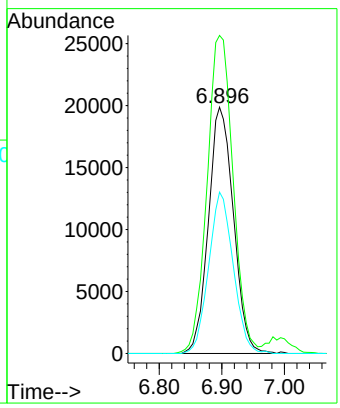
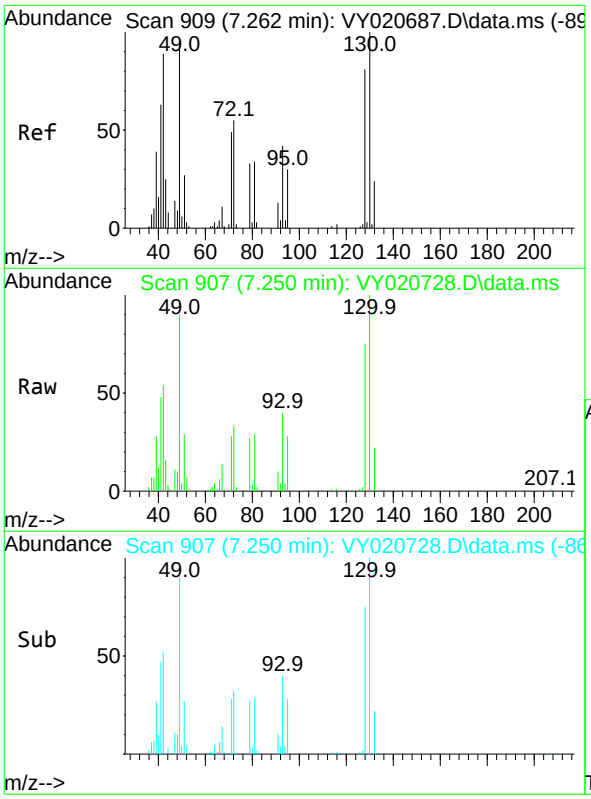
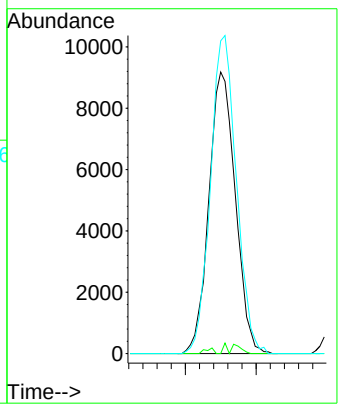


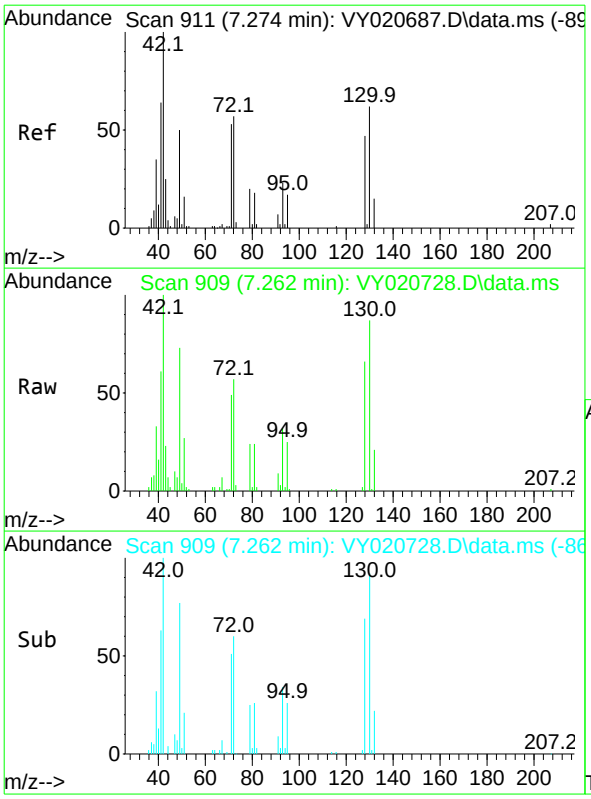


#28
Bromochloromethane
Concen: 62.291 ug/l
RT: 7.250 min Scan# 907
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 49 Resp: 23832

Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	5.4
130	110.7	87.2	130.8





#29
Tetrahydrofuran
Concen: 278.632 ug/l
RT: 7.262 min Scan# 90
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 42 Resp: 28493

Ion	Ratio	Lower	Upper
42	100		
72	59.0	47.4	71.0
71	54.7	42.8	64.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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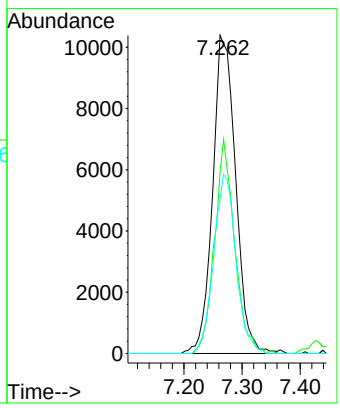
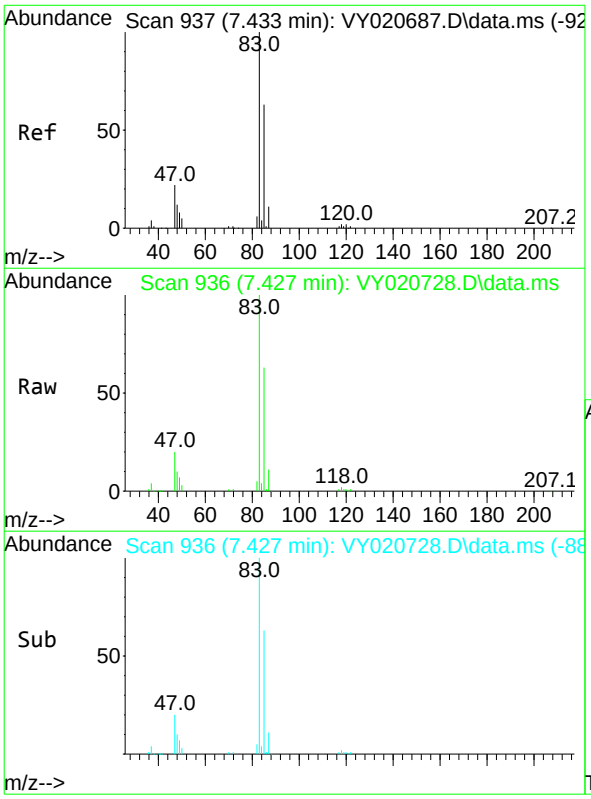
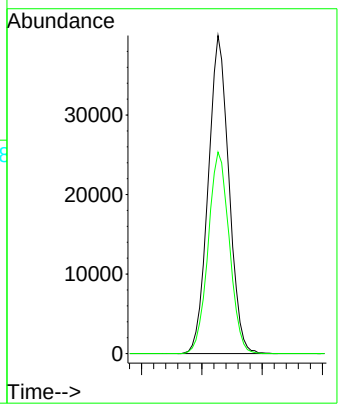


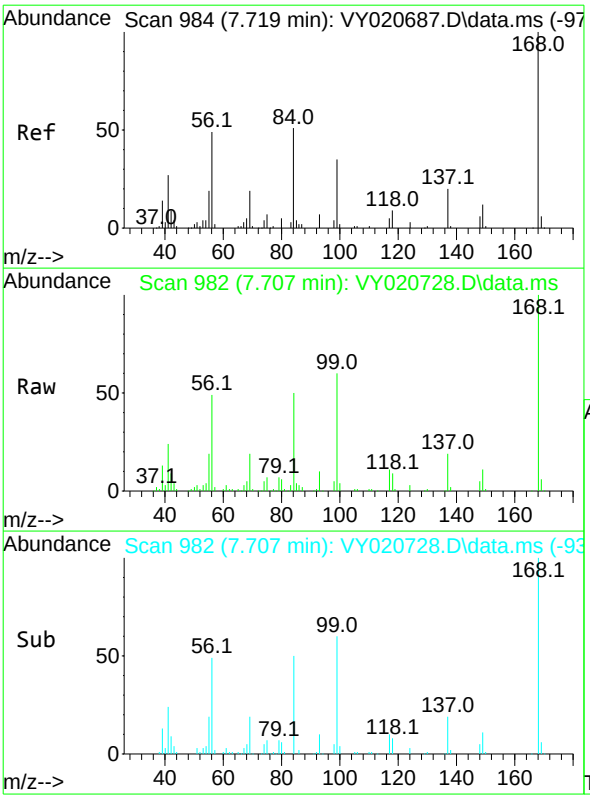


#30
Chloroform
Concen: 51.215 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 83 Resp: 95317

Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.2	75.2

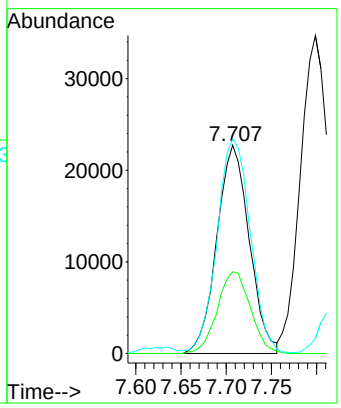




#31
Cyclohexane
Concen: 45.467 ug/l
RT: 7.707 min Scan# 98
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 56 Resp: 56780

Ion	Ratio	Lower	Upper
56	100		
69	39.2	31.3	46.9
84	101.8	83.9	125.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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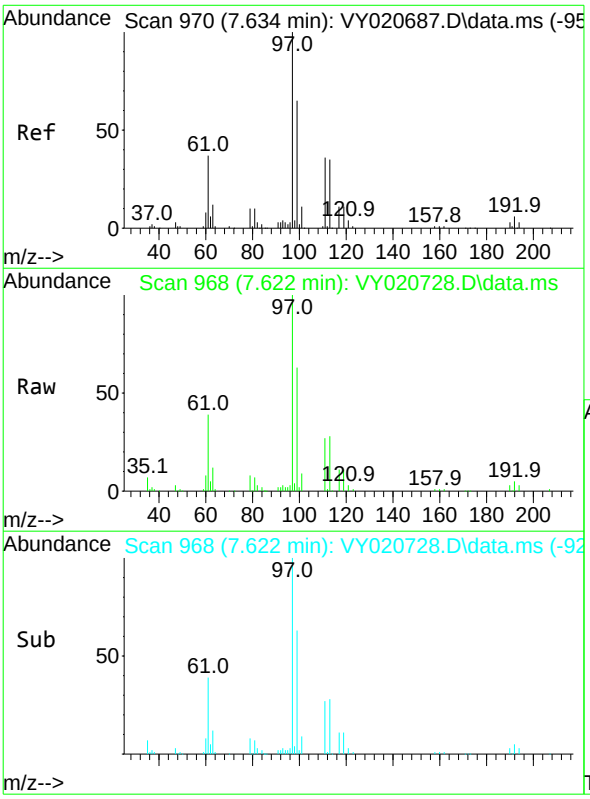
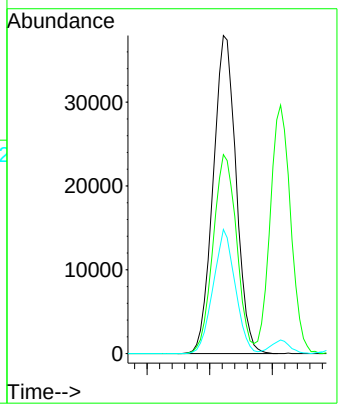
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

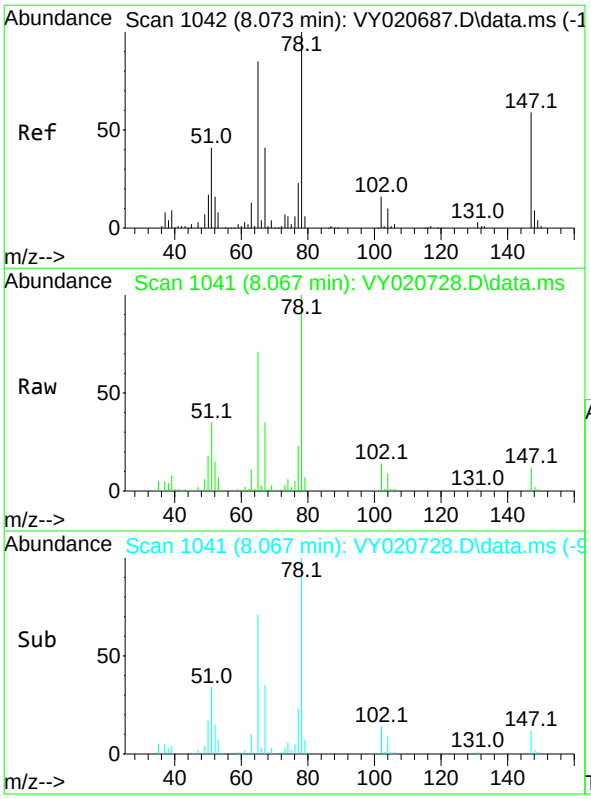


#32
1,1,1-Trichloroethane
Concen: 48.508 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 97 Resp: 96771

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.6
61	37.6	30.0	45.0





#33
1,2-Dichloroethane-d4
Concen: 59.186 ug/l
RT: 8.067 min Scan# 10
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 65 Resp: 57538

Ion	Ratio	Lower	Upper
65	100		
67	48.0	0.0	98.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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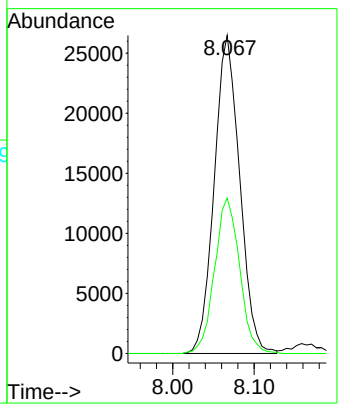
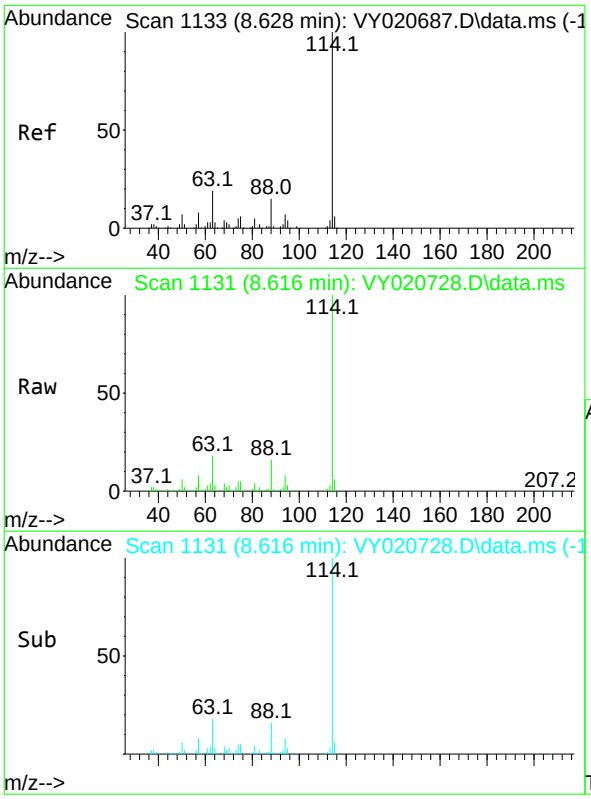
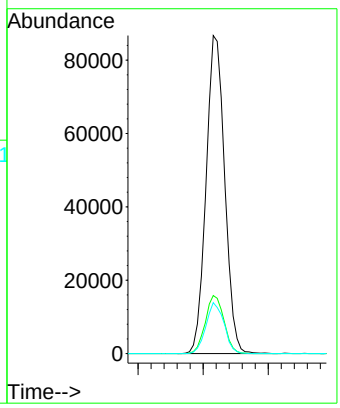


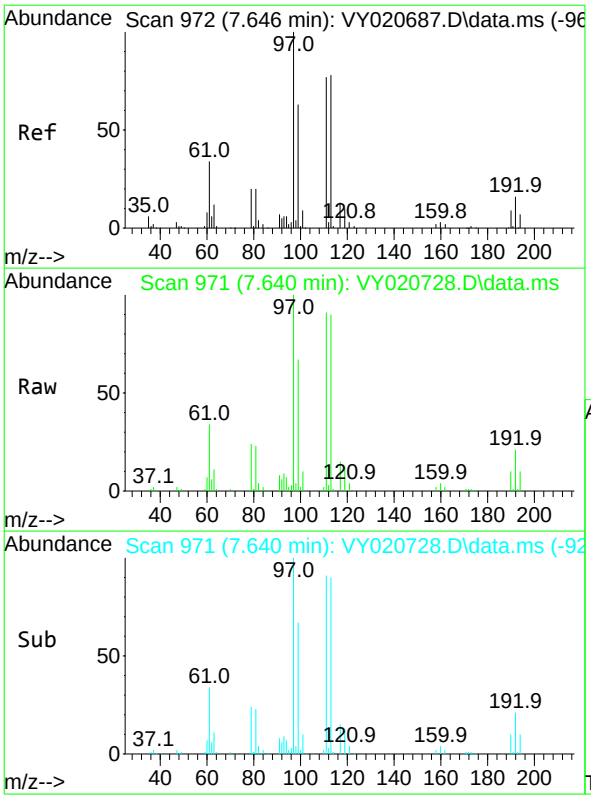


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:114 Resp: 172132

Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	38.4
88	16.0	0.0	30.4





#35
Dibromofluoromethane
Concen: 55.390 ug/l
RT: 7.640 min Scan# 97
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:113 Resp: 52517

Ion	Ratio	Lower	Upper
113	100		
111	101.6	79.8	119.8
192	21.6	17.0	25.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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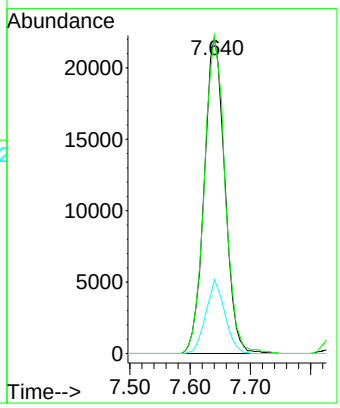
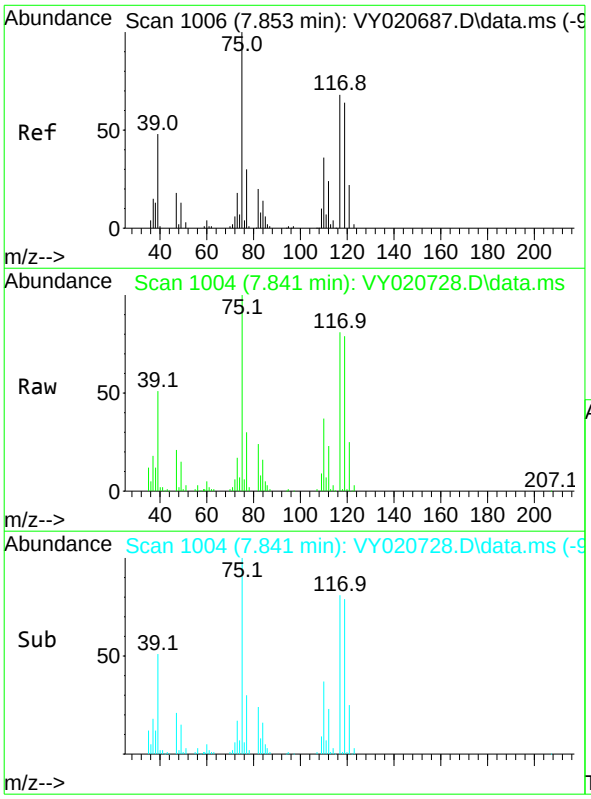
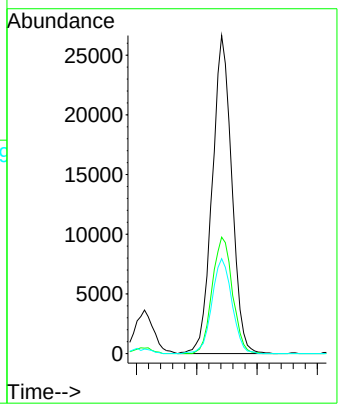


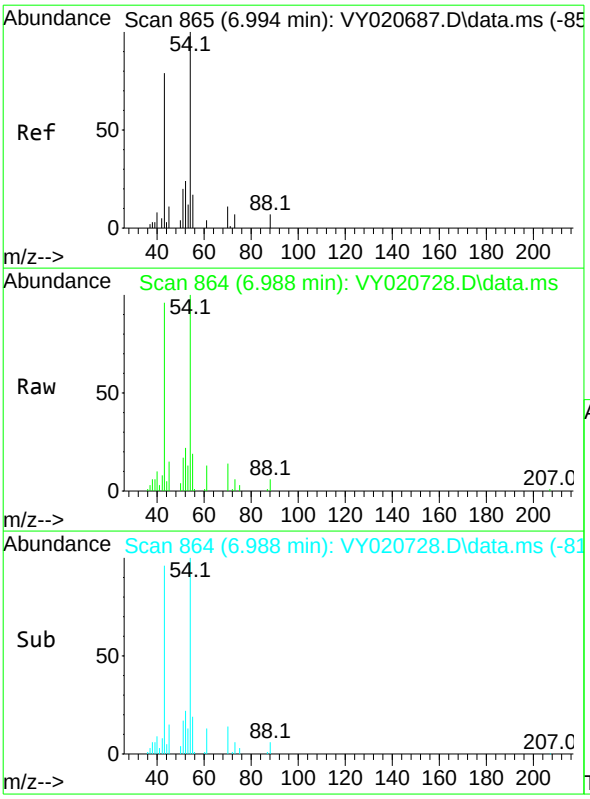


#36
1,1-Dichloropropene
Concen: 47.847 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 75 Resp: 59925

Ion	Ratio	Lower	Upper
75	100		
110	38.0	19.6	58.7
77	30.7	25.1	37.7





#37
Ethyl Acetate
Concen: 52.779 ug/l
RT: 6.988 min Scan# 86
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 43 Resp: 21782

Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.7	17.5
70	13.1	11.0	16.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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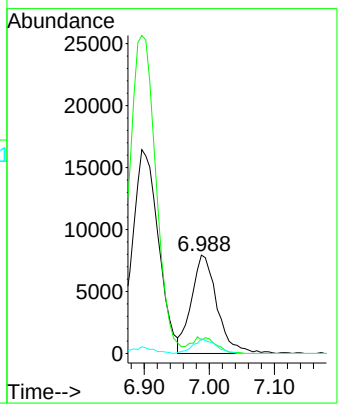
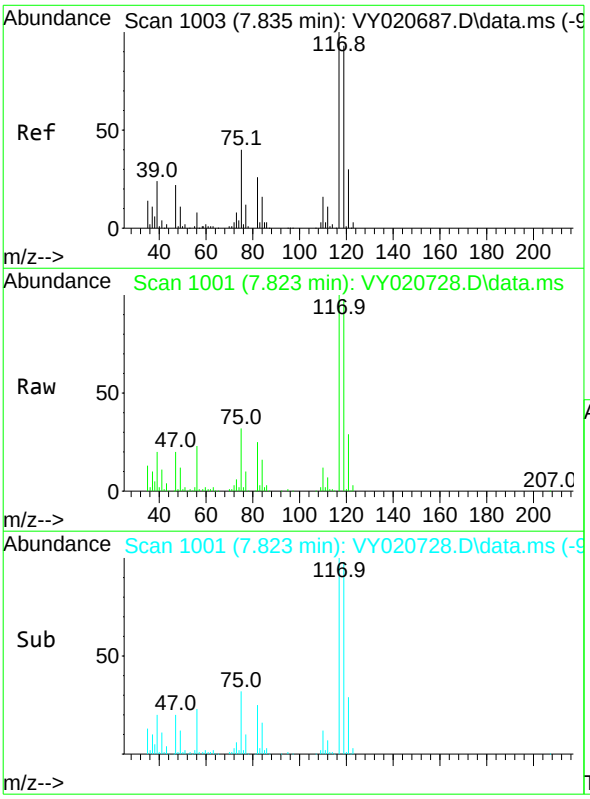
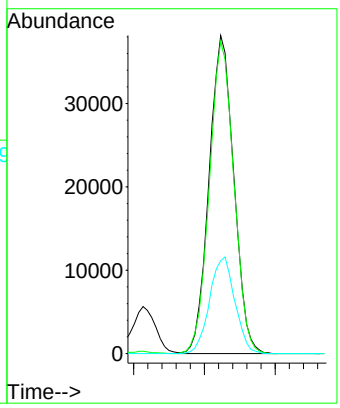


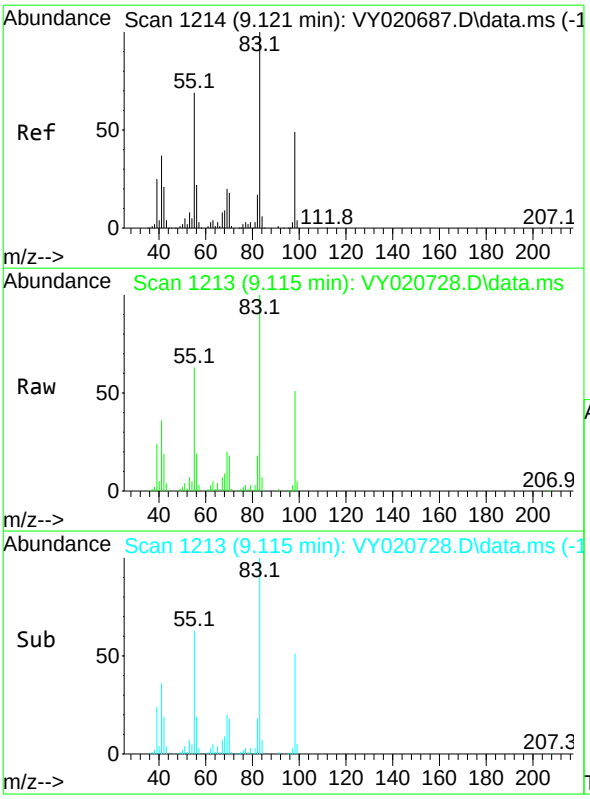


#38
Carbon Tetrachloride
Concen: 44.945 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:117 Resp: 92693

Ion	Ratio	Lower	Upper
117	100		
119	98.1	74.4	111.6
121	29.1	24.2	36.2





#39
Methylcyclohexane
Concen: 46.082 ug/l
RT: 9.115 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 73974

Ion	Ratio	Lower	Upper
83	100		
55	63.3	55.0	82.4
98	51.4	39.0	58.6

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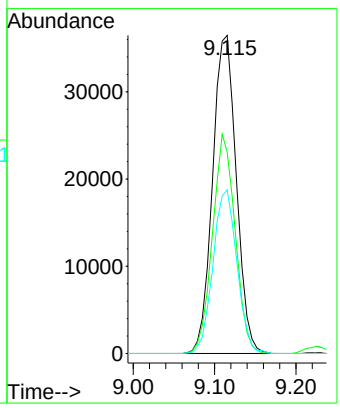
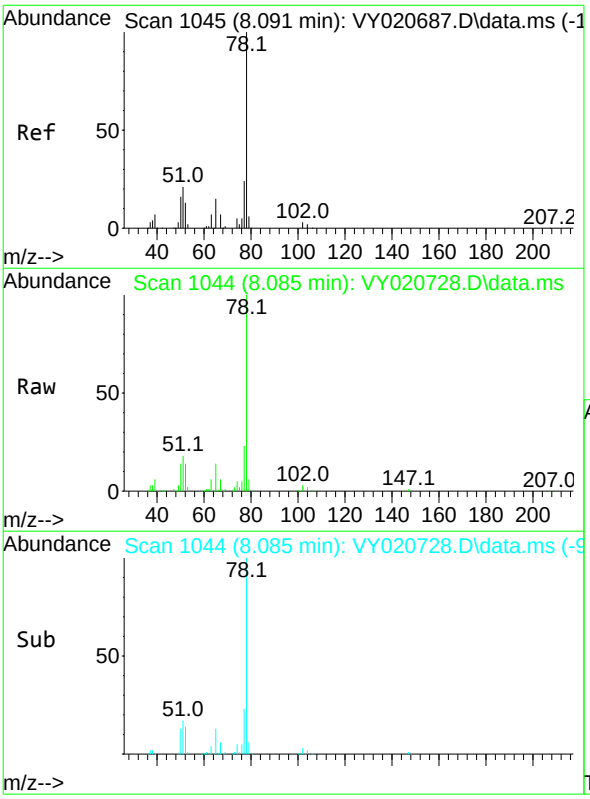
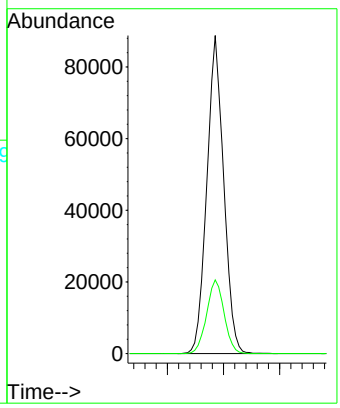


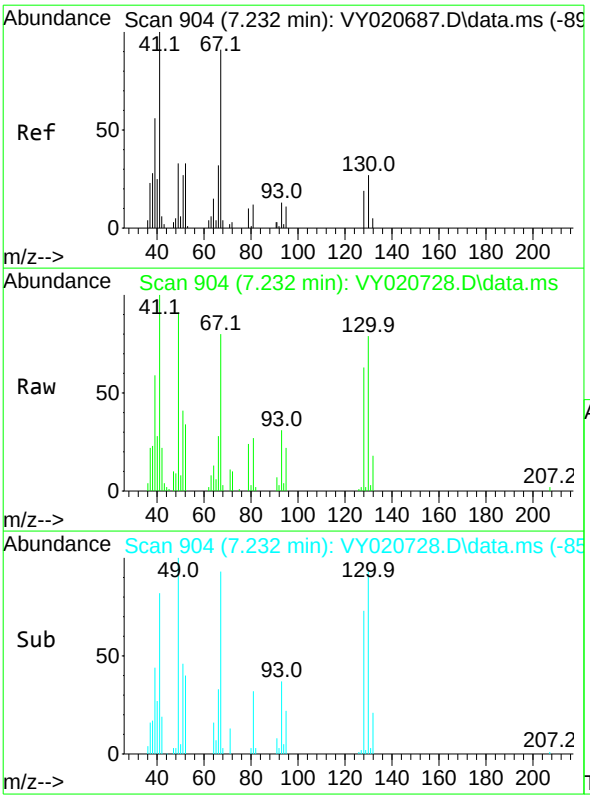


#40
Benzene
Concen: 50.952 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 78 Resp: 184941

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.2	28.8





#41
Methacrylonitrile
Concen: 59.754 ug/l
RT: 7.232 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 12457

Ion	Ratio	Lower	Upper
41	100		
39	49.4	46.6	70.0
67	90.0	74.7	112.1
52	38.6	32.2	48.4

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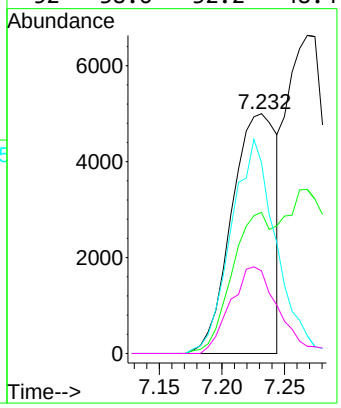
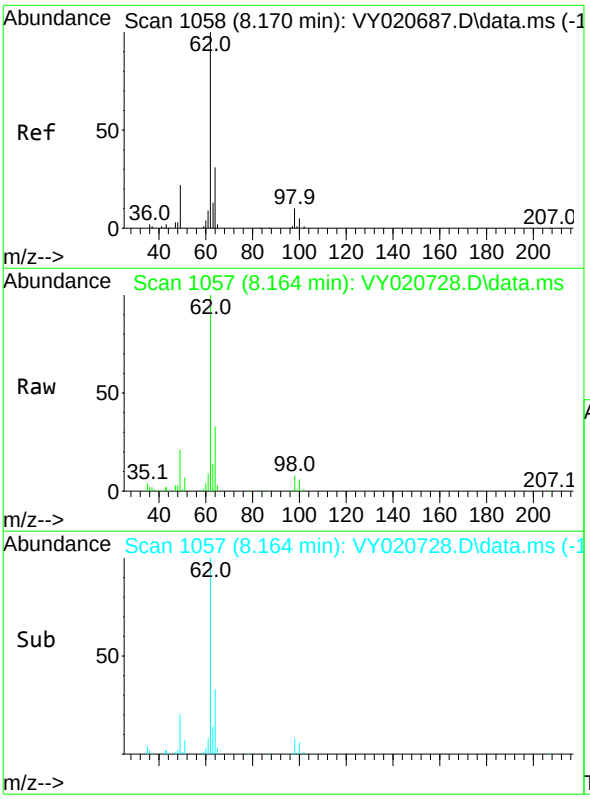
Supervised By :Semsettin Yesilyurt 12/27/2024

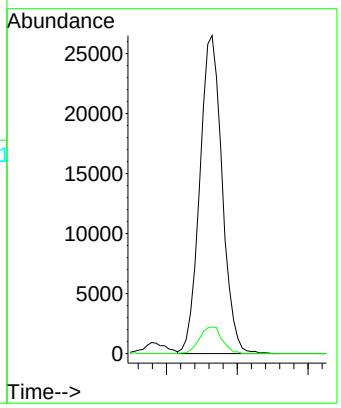


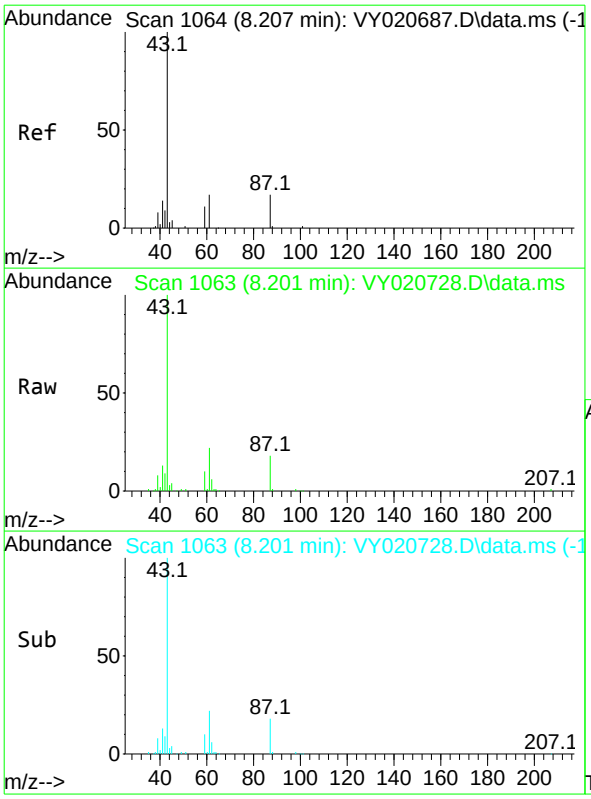


#42
1,2-Dichloroethane
Concen: 49.961 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 62 Resp: 58148

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.6

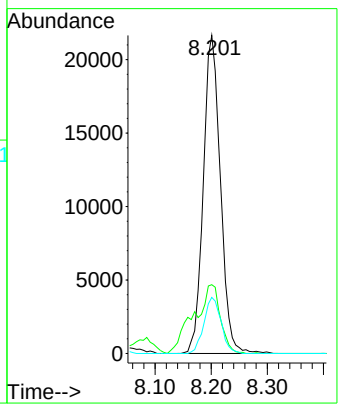




#43
Isopropyl Acetate
Concen: 52.327 ug/l
RT: 8.201 min Scan# 10
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 43 Resp: 45902

Ion	Ratio	Lower	Upper
43	100		
61	33.6	27.0	40.4
87	17.8	14.2	21.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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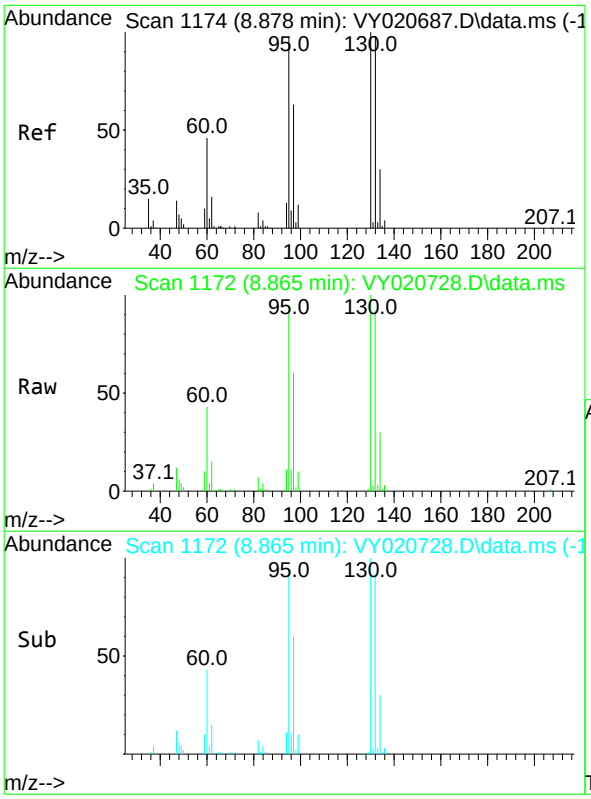
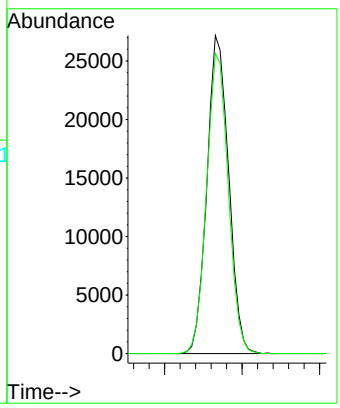
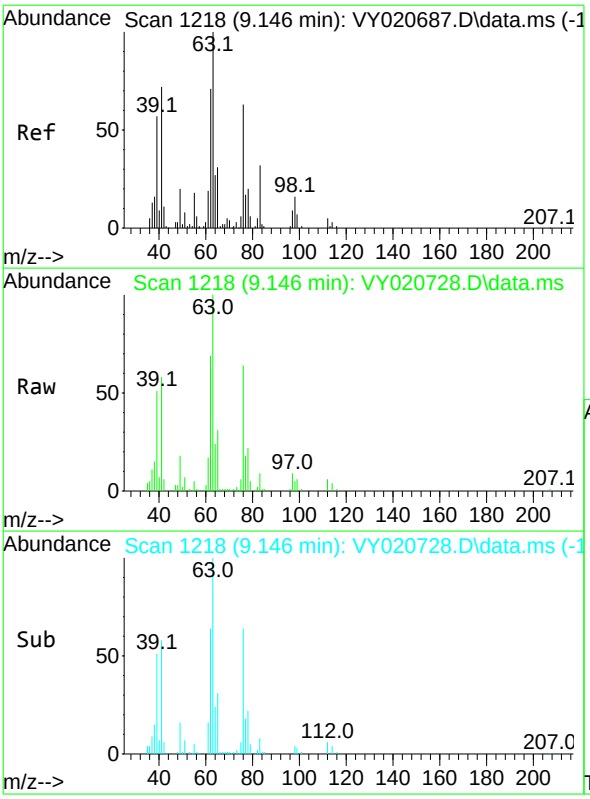


#44
Trichloroethene
Concen: 48.797 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.013 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:130 Resp: 52902

Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	194.8

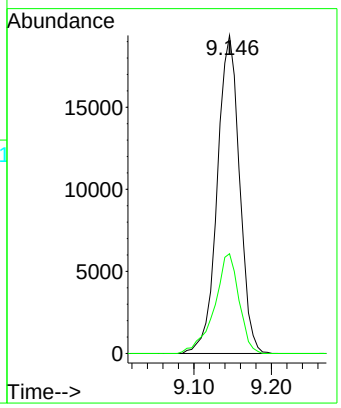




#45
1,2-Dichloropropane
Concen: 52.575 ug/l
RT: 9.146 min Scan# 12
Delta R.T. -0.000 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 63 Resp: 38629

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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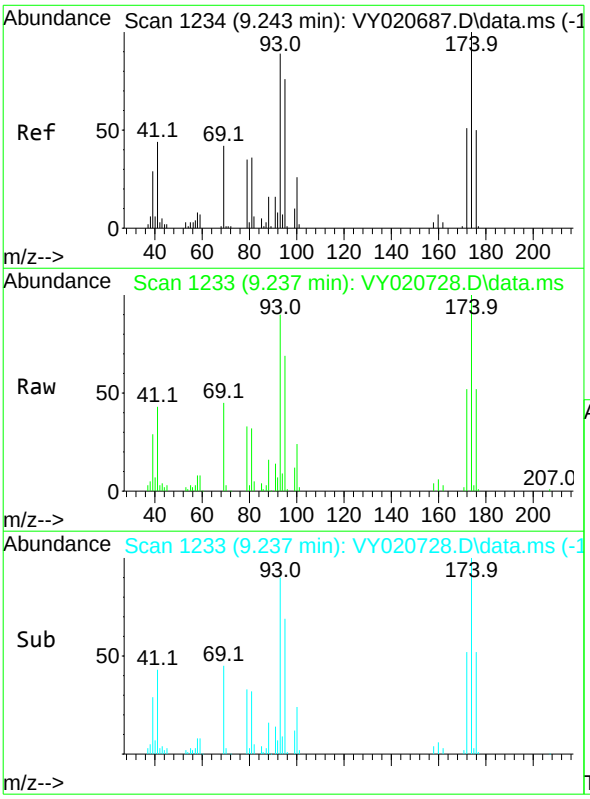
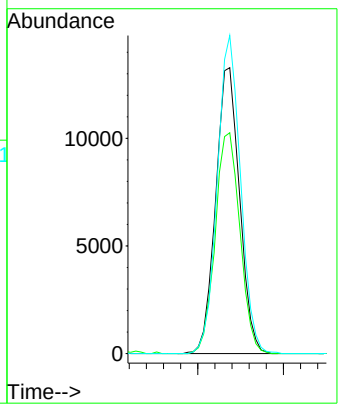
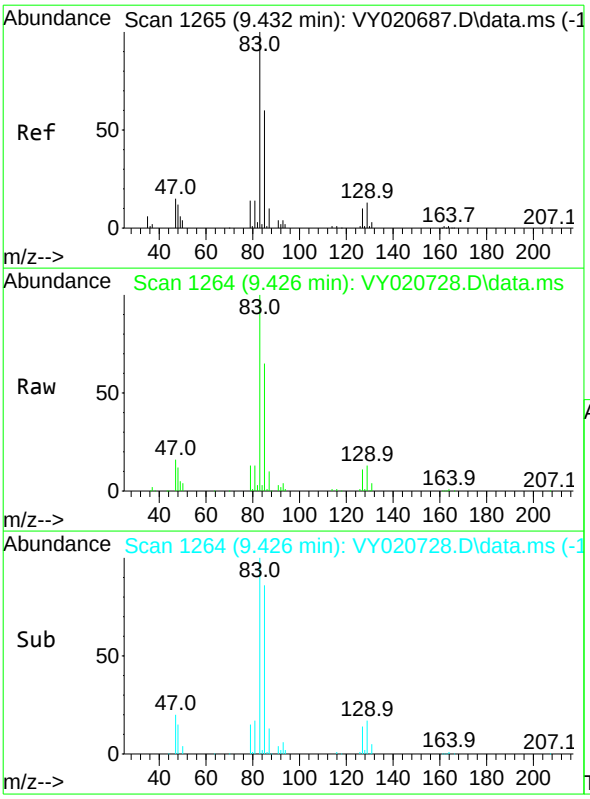


#46
Dibromomethane
Concen: 50.665 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 93 Resp: 25757

Ion	Ratio	Lower	Upper
93	100		
95	79.7	67.8	101.8
174	108.0	89.4	134.0

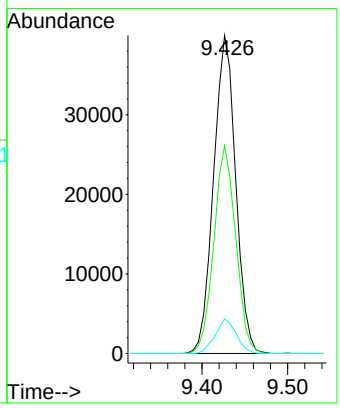




#47
Bromodichloromethane
Concen: 49.700 ug/l
RT: 9.426 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 83 Resp: 71632

Ion	Ratio	Lower	Upper
83	100		
85	65.3	47.6	71.4
127	10.9	7.9	11.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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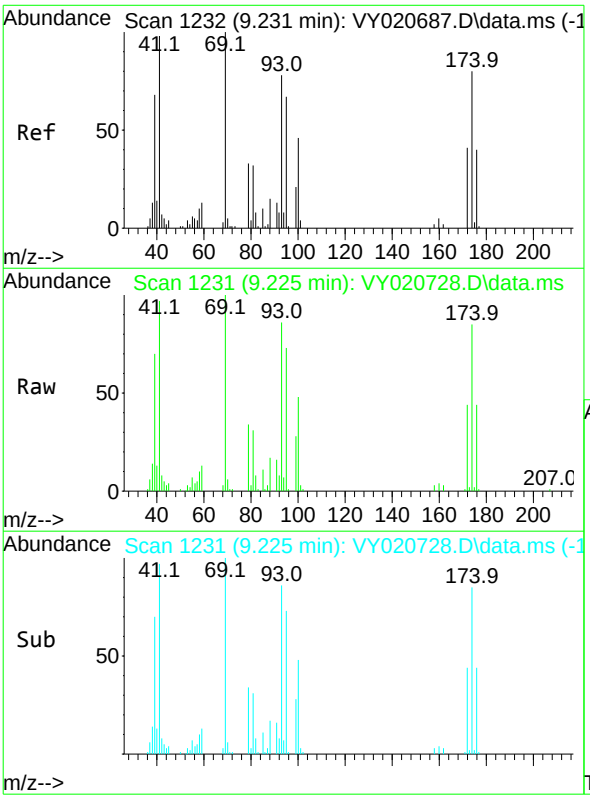
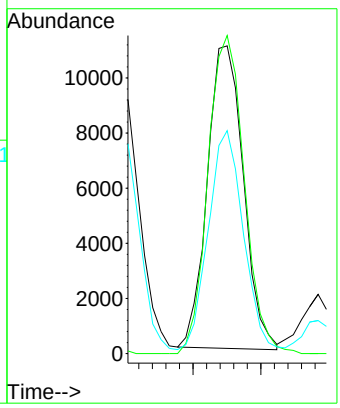
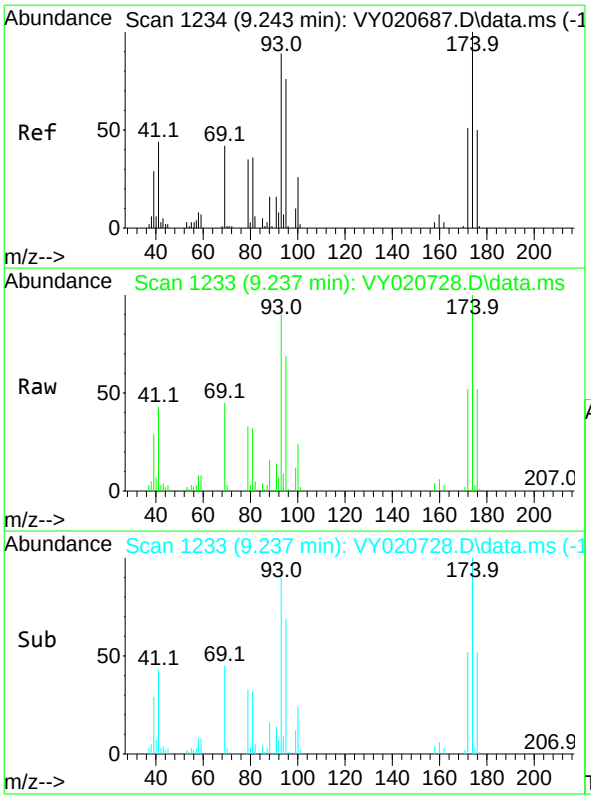


#48
Methyl methacrylate
Concen: 49.466 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 41 Resp: 20264

Ion	Ratio	Lower	Upper
41	100		
69	105.8	83.1	124.7
39	70.4	57.3	85.9

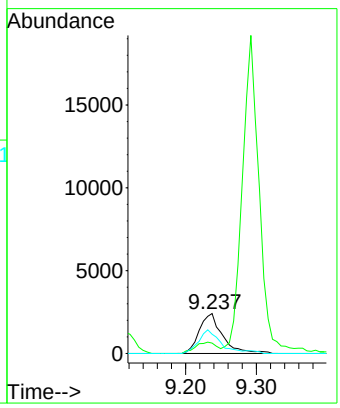




#49
1,4-Dioxane
Concen: 1130.206 ug/l
RT: 9.237 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 88 Resp: 5473

Ion	Ratio	Lower	Upper
88	100		
43	26.4	22.1	33.1
58	58.8	46.7	70.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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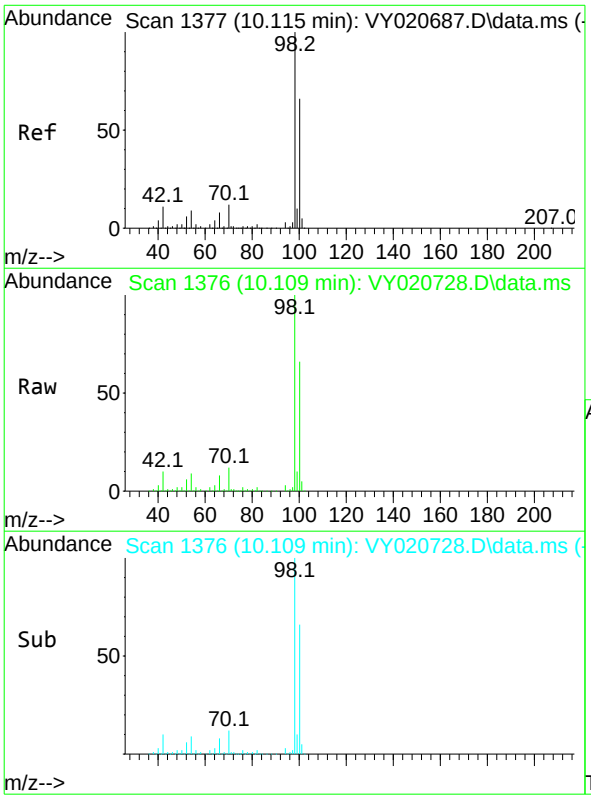
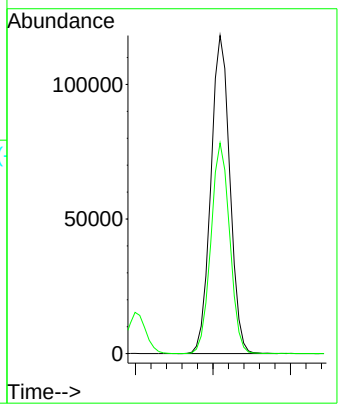
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

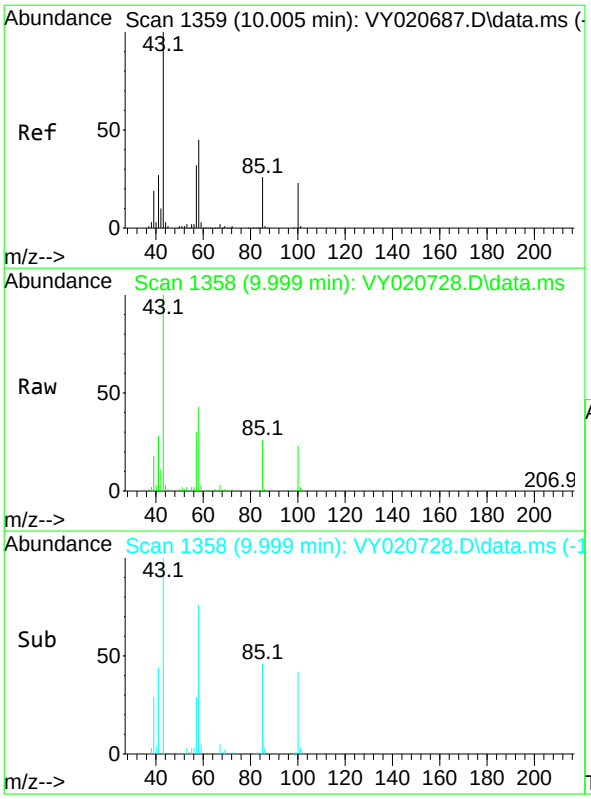


#50
Toluene-d8
Concen: 53.305 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 98 Resp: 201423

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.4





#51
4-Methyl-2-Pentanone
Concen: 262.443 ug/l
RT: 9.999 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 43 Resp: 111120

Ion	Ratio	Lower	Upper
43	100		
58	43.2	35.1	52.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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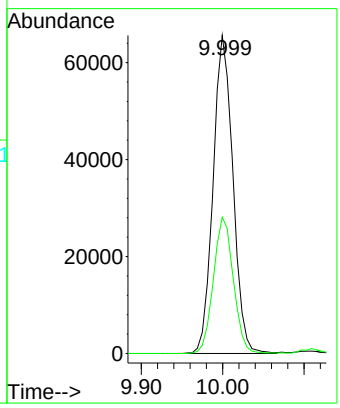
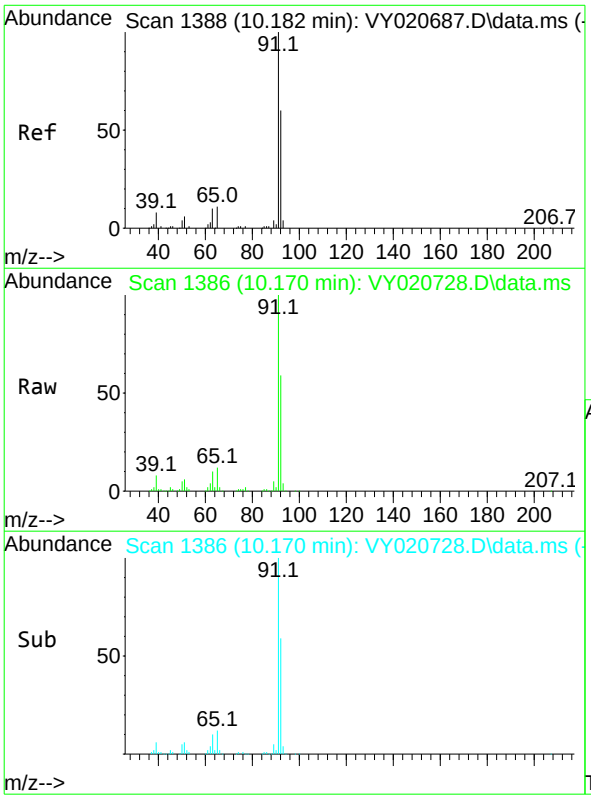
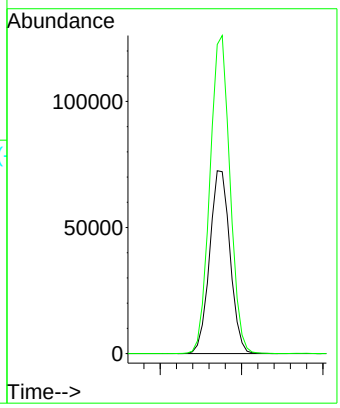


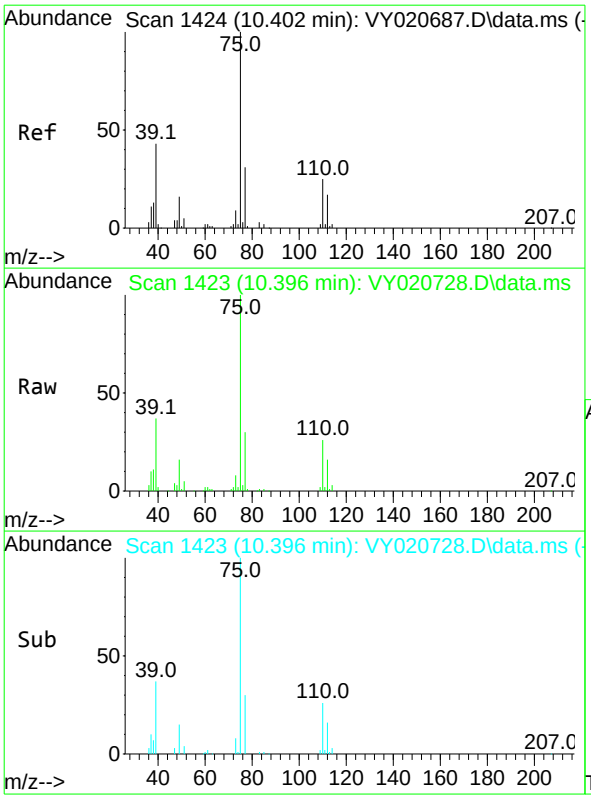


#52
Toluene
Concen: 50.676 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 92 Resp: 126070

Ion	Ratio	Lower	Upper
92	100		
91	171.5	137.7	206.5

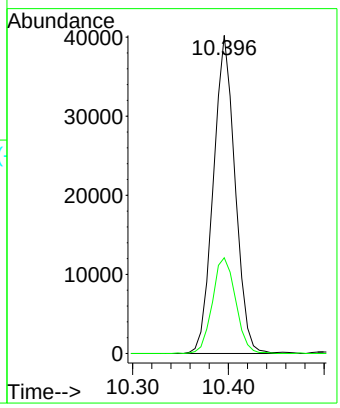




#53
t-1,3-Dichloropropene
Concen: 49.943 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 75 Resp: 63222

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.1	37.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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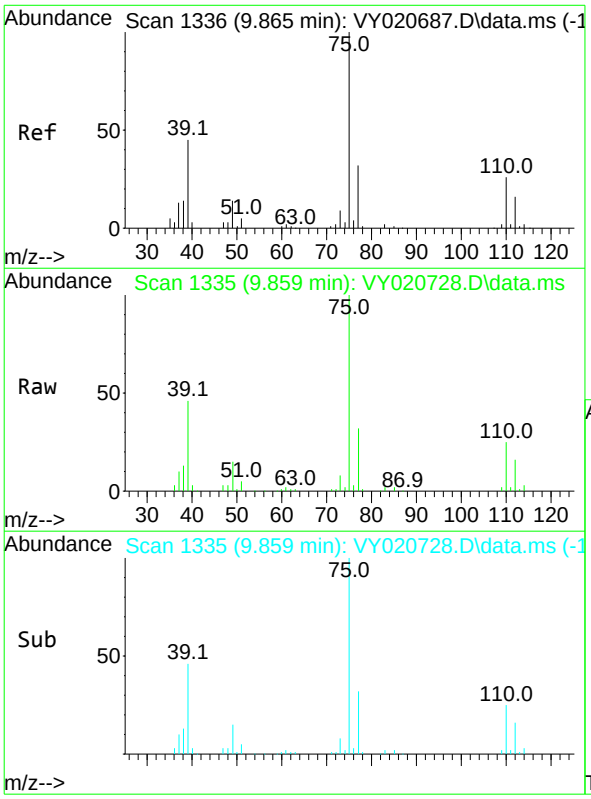
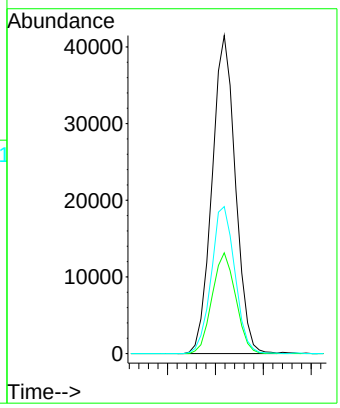
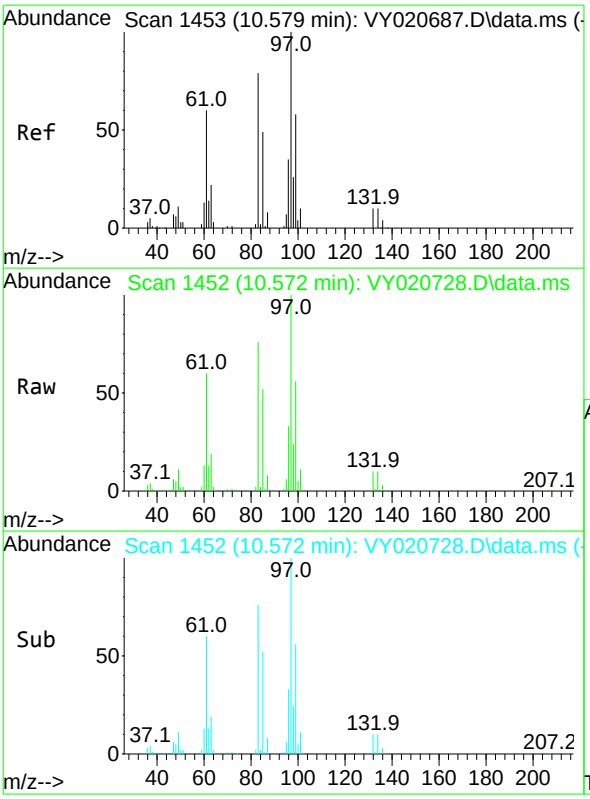


#54
cis-1,3-Dichloropropene
Concen: 50.773 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 75 Resp: 70450

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.6	38.4
39	46.2	36.2	54.2





#55
1,1,2-Trichloroethane
Concen: 51.326 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.007 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 33307

Ion	Ratio	Lower	Upper
97	100		
83	76.0	63.1	94.7
85	52.5	39.5	59.3
99	55.7	46.4	69.6

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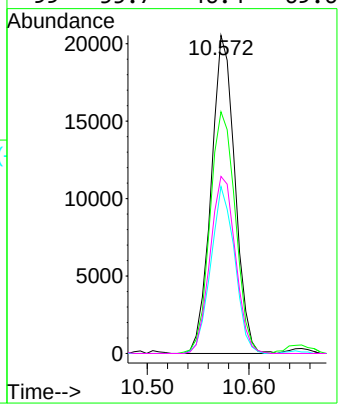
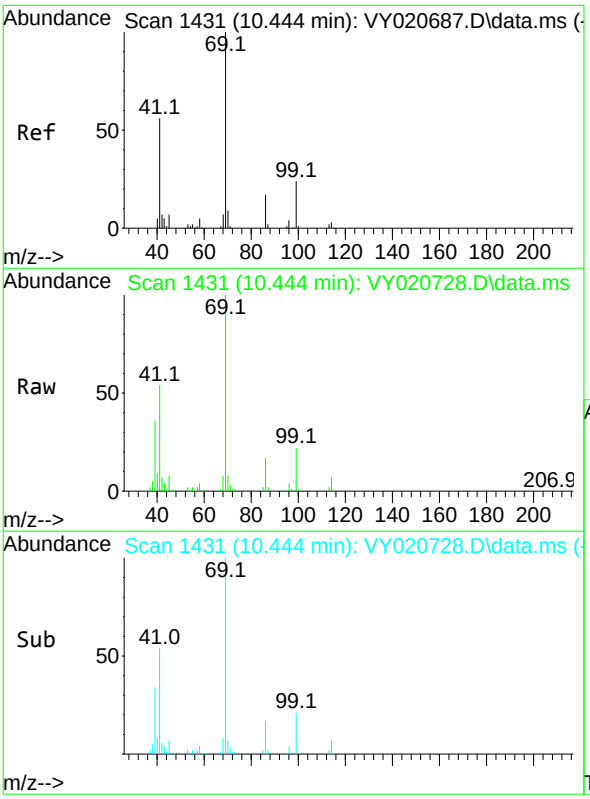
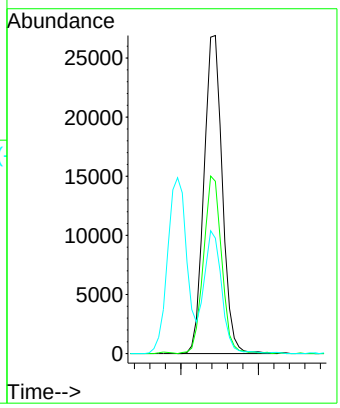


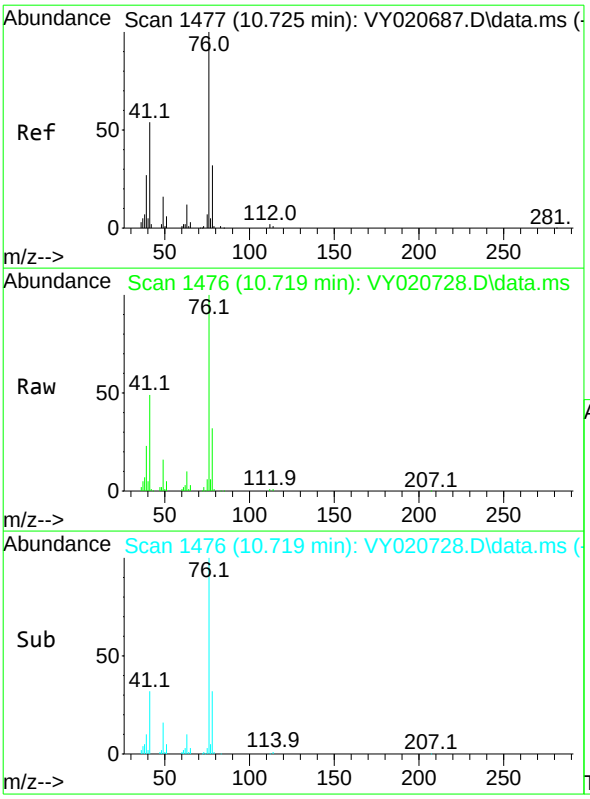


#56
Ethyl methacrylate
Concen: 51.971 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 69 Resp: 44306

Ion	Ratio	Lower	Upper
69	100		
41	55.3	43.8	65.6
39	36.4	32.0	48.0





#57
1,3-Dichloropropane
Concen: 51.138 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 76 Resp: 53860

Ion	Ratio	Lower	Upper
76	100		
78	33.5	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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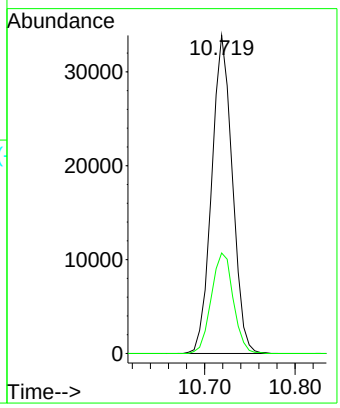
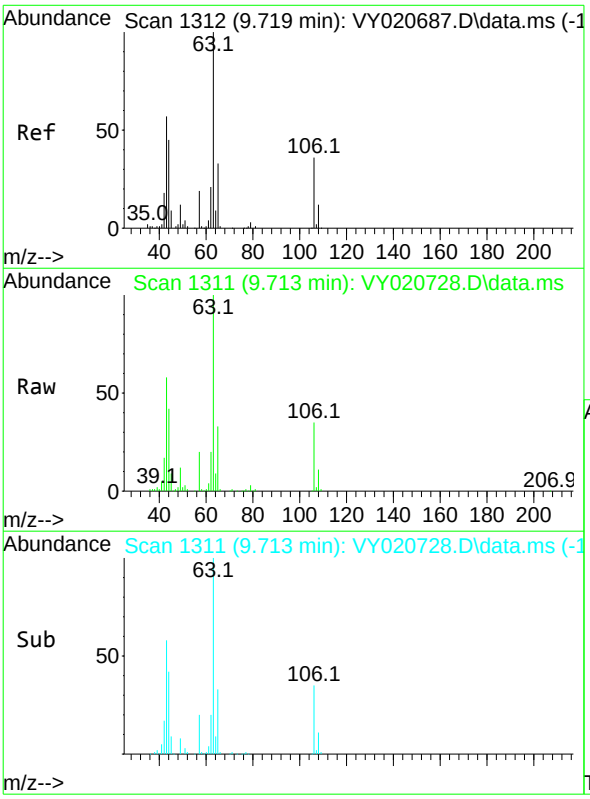
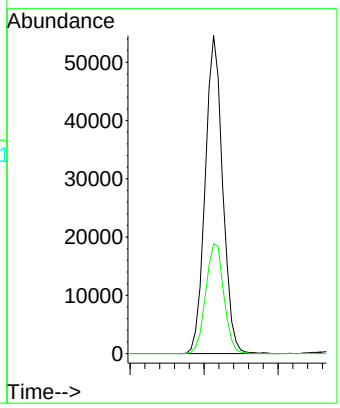


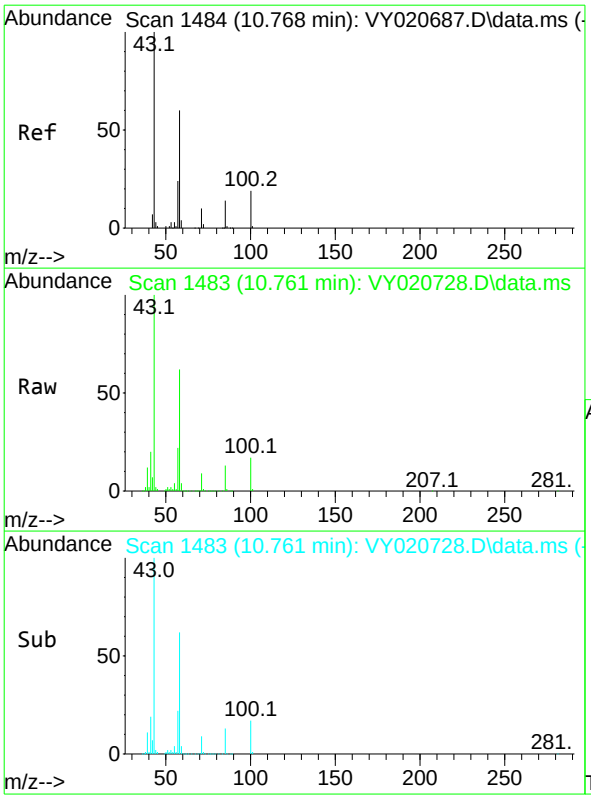


#58
2-Chloroethyl Vinyl ether
Concen: 300.757 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 63 Resp: 89410

Ion	Ratio	Lower	Upper
63	100		
106	35.7	29.1	43.7

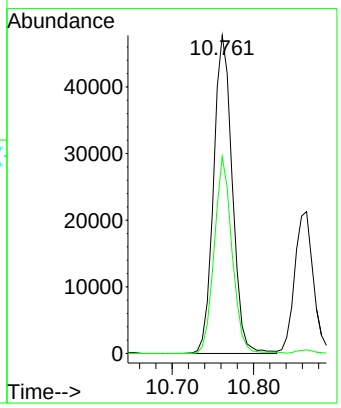




#59
2-Hexanone
Concen: 272.444 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.007 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 43 Resp: 76163

Ion	Ratio	Lower	Upper
43	100		
58	58.9	30.1	90.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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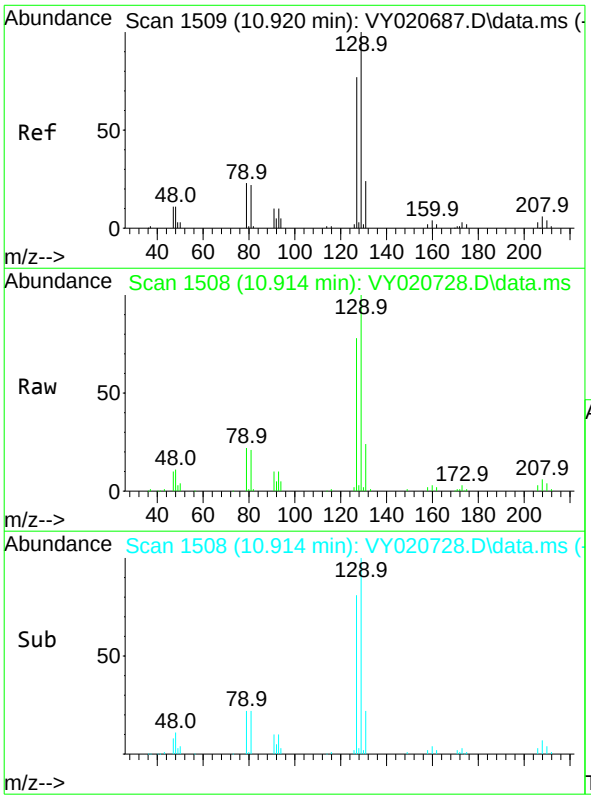
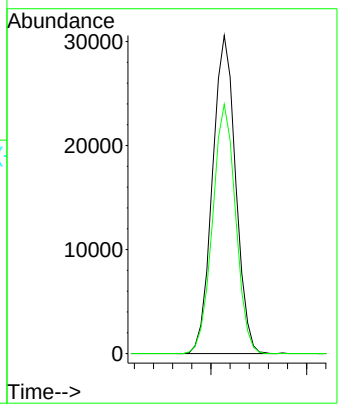
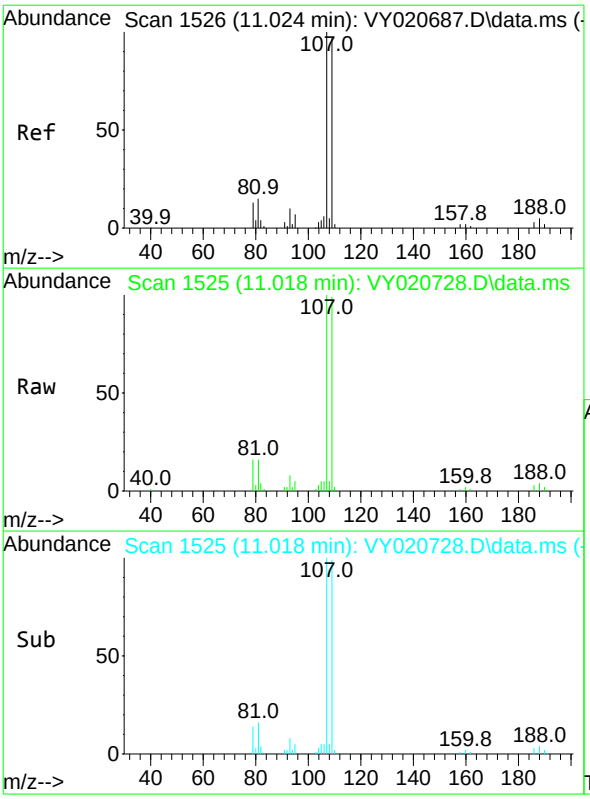


#60
Dibromochloromethane
Concen: 49.038 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:129 Resp: 51420

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.5	115.5





#61
1,2-Dibromoethane
Concen: 49.418 ug/l
RT: 11.018 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:107 Resp: 30175

Ion	Ratio	Lower	Upper
107	100		
109	96.8	75.5	113.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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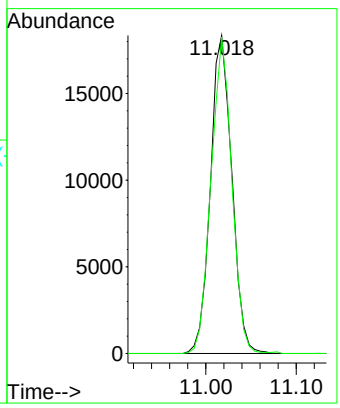
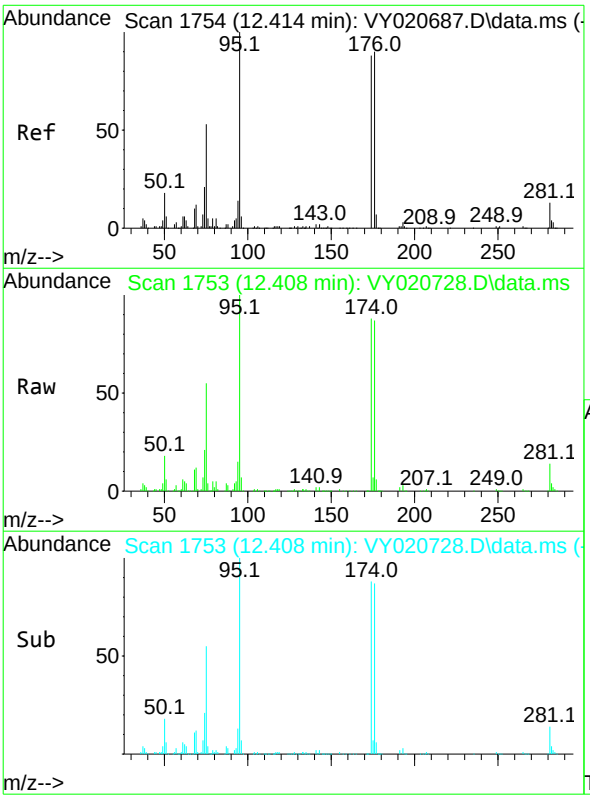
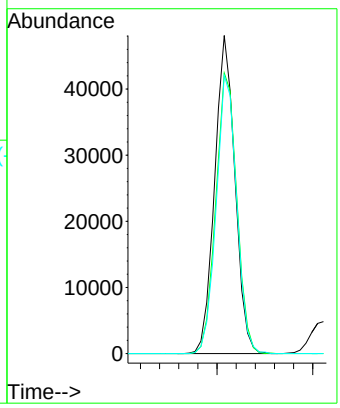


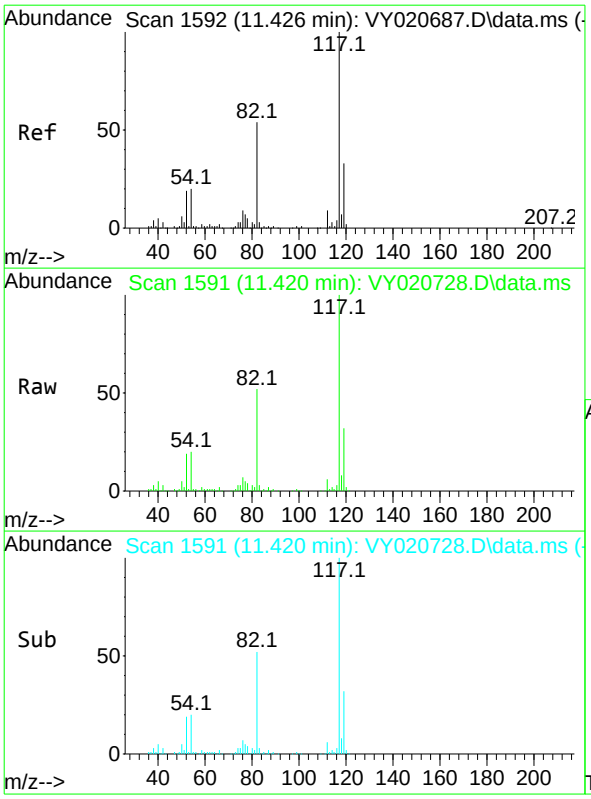


#62
4-Bromofluorobenzene
Concen: 56.112 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 95 Resp: 70702

Ion	Ratio	Lower	Upper
95	100		
174	91.1	0.0	179.2
176	88.0	0.0	179.8

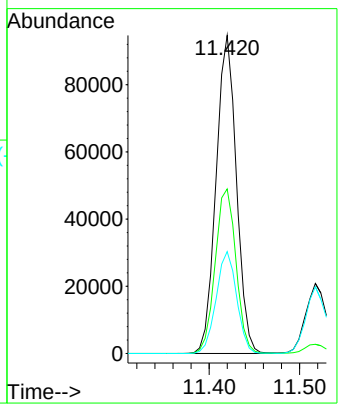




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:117 Resp: 148030

Ion	Ratio	Lower	Upper
117	100		
82	51.7	43.4	65.2
119	32.0	26.6	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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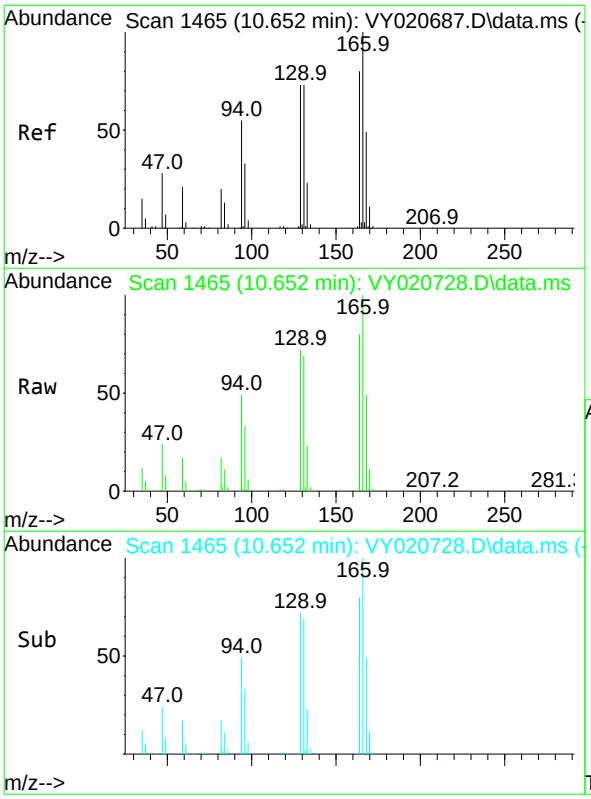
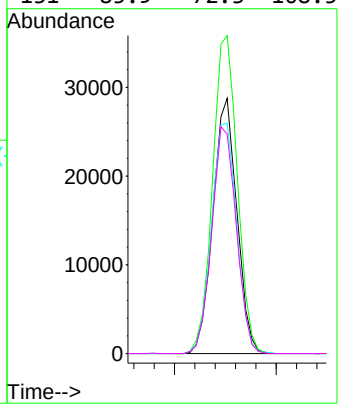
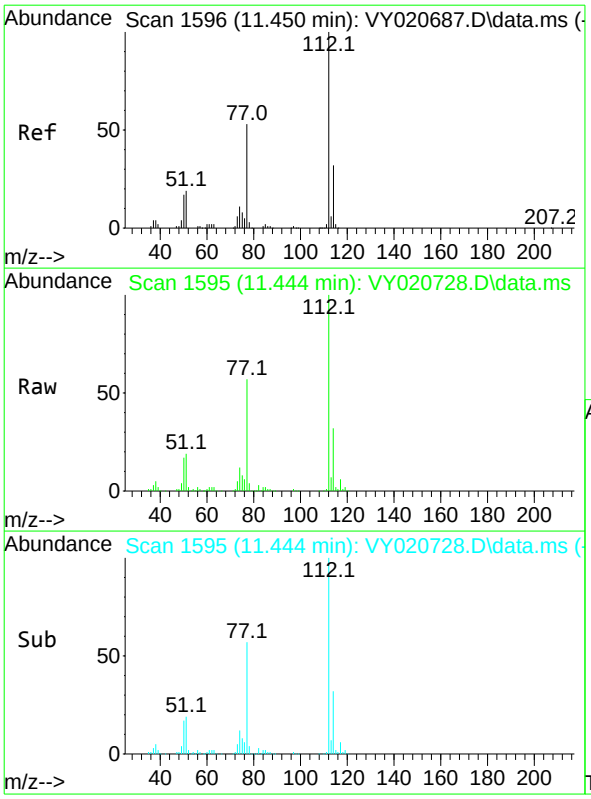


#64
Tetrachloroethene
Concen: 46.676 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:164 Resp: 47206

Ion	Ratio	Lower	Upper
164	100		
166	124.6	99.6	149.4
129	90.2	73.0	109.4
131	85.9	72.3	108.5

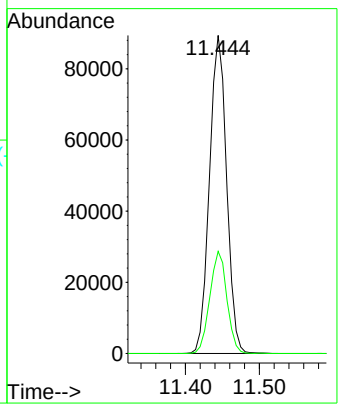




#65
Chlorobenzene
Concen: 49.537 ug/l
RT: 11.444 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:112 Resp: 143586

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
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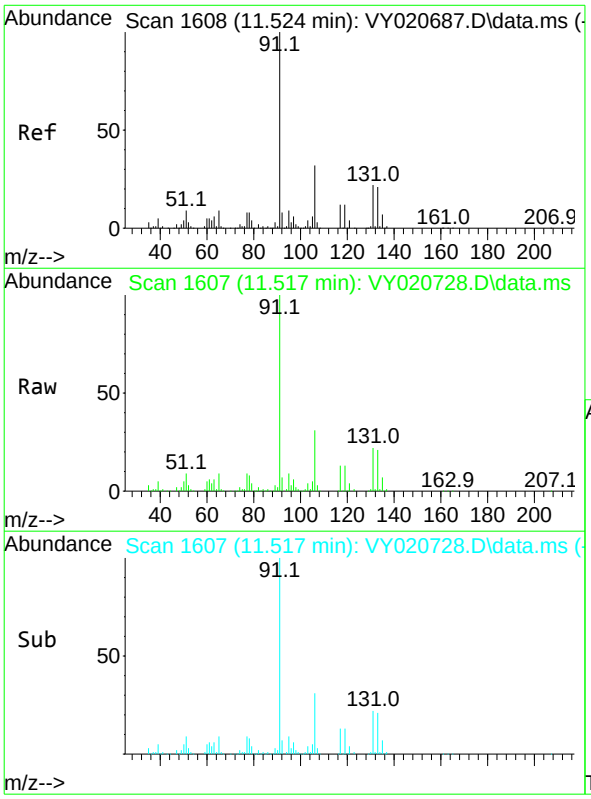
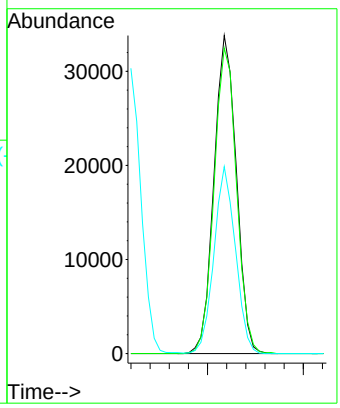
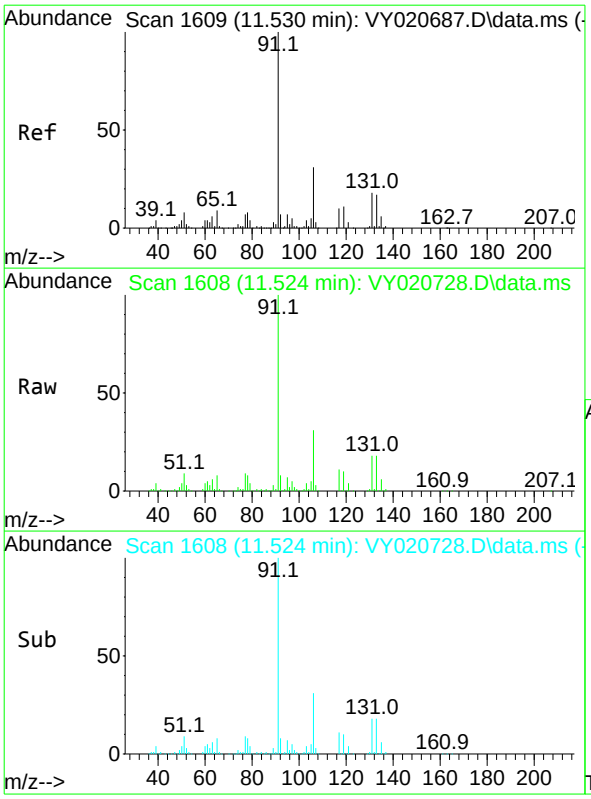


#66
1,1,1,2-Tetrachloroethane
Concen: 48.804 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.007 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:131 Resp: 54805

Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.6	145.9
119	56.5	28.4	85.3

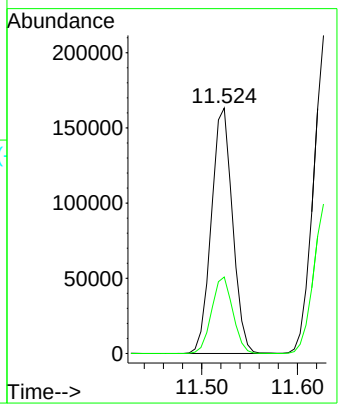




#67
Ethyl Benzene
Concen: 49.546 ug/l
RT: 11.524 min Scan# 16
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 91 Resp: 251000

Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.5	36.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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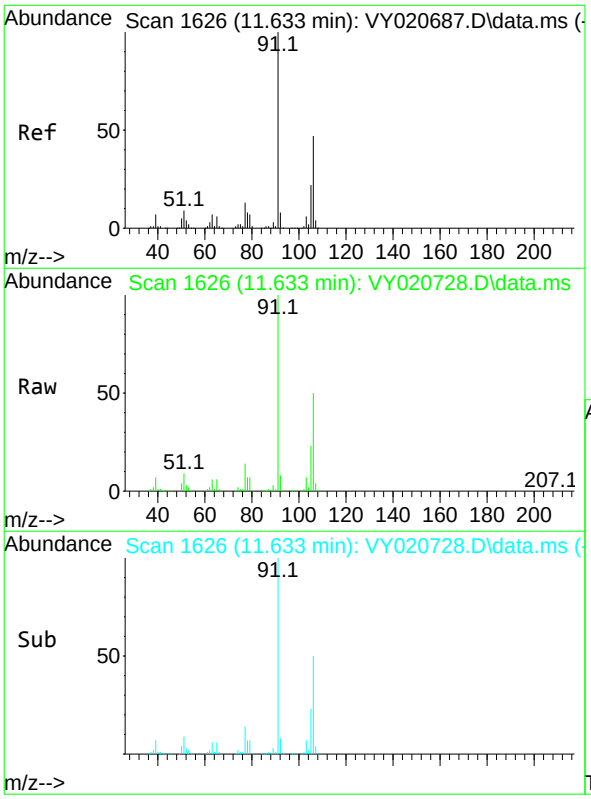
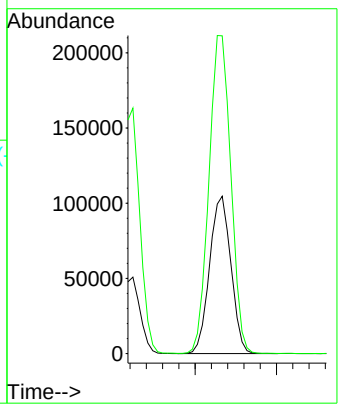
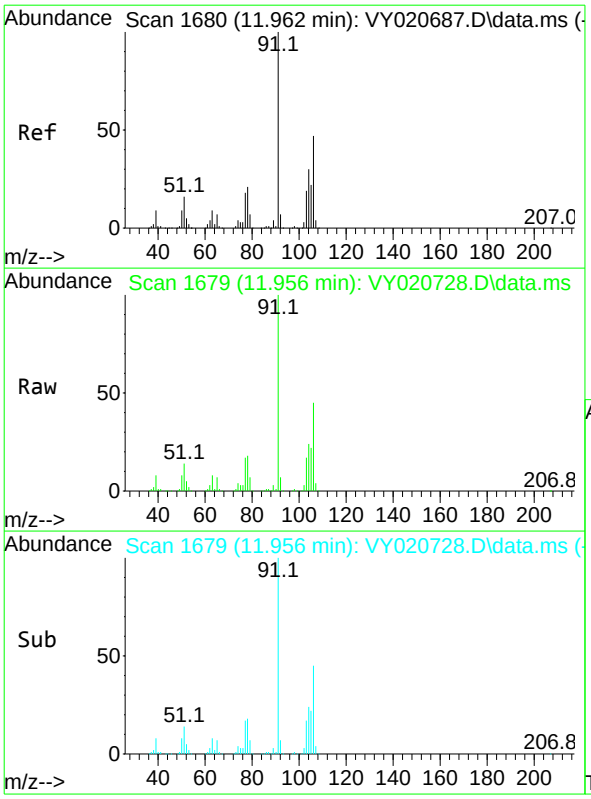


#68
m/p-Xylenes
Concen: 98.695 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:106 Resp: 190725

Ion	Ratio	Lower	Upper
106	100		
91	206.9	166.6	250.0

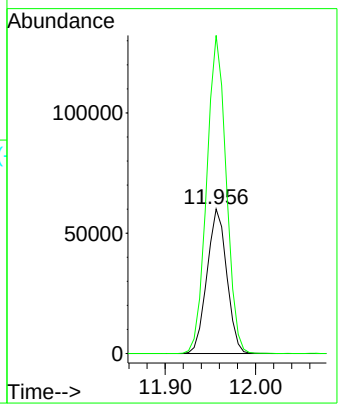




#69
o-Xylene
Concen: 49.380 ug/l
RT: 11.956 min Scan# 16
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:106 Resp: 91171

Ion	Ratio	Lower	Upper
106	100		
91	217.1	108.6	325.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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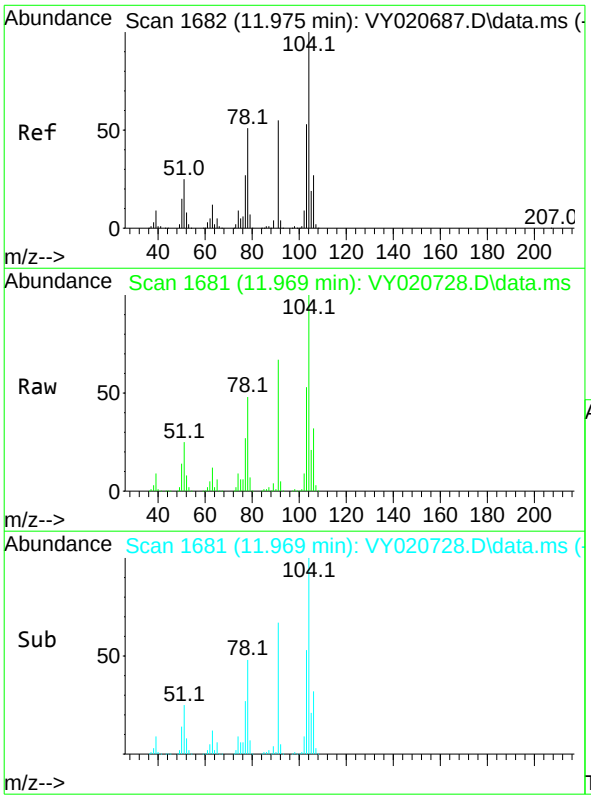
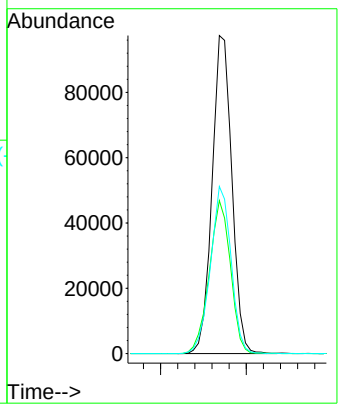
Supervised By :Semsettin Yesilyurt 12/27/2024

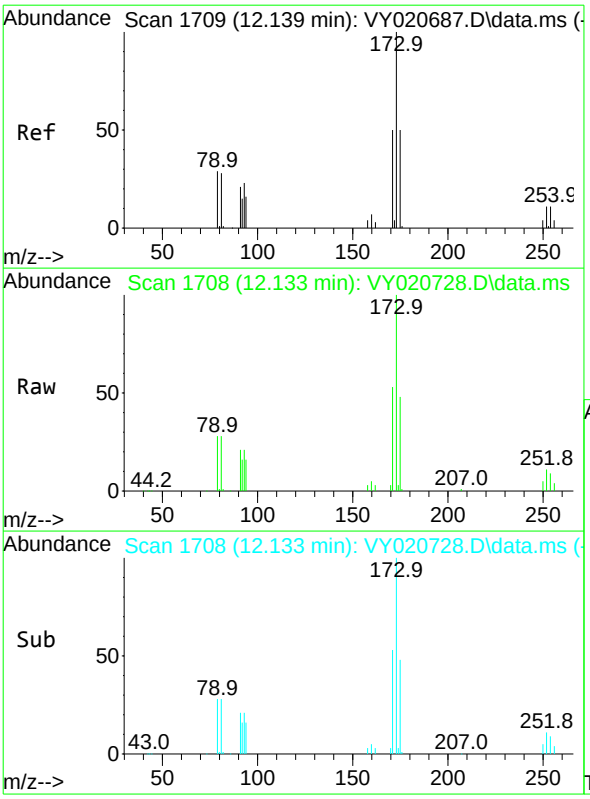


#70
Styrene
Concen: 50.397 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:104 Resp: 156202

Ion	Ratio	Lower	Upper
104	100		
78	51.6	43.0	64.4
103	54.9	44.4	66.6





#71
Bromoform
Concen: 49.586 ug/l
RT: 12.133 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:173 Resp: 32013

Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.2	72.6
254	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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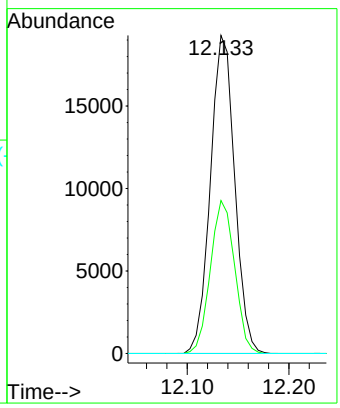
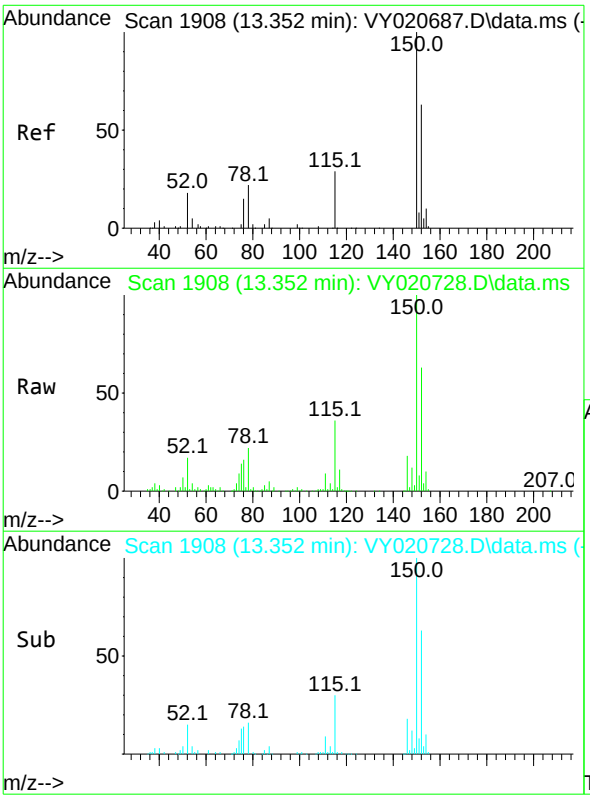
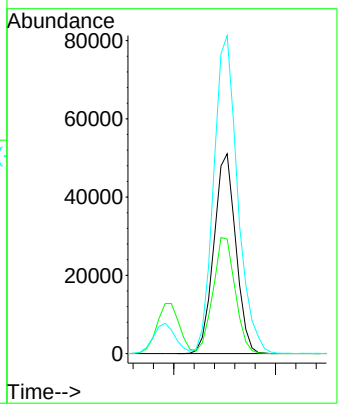


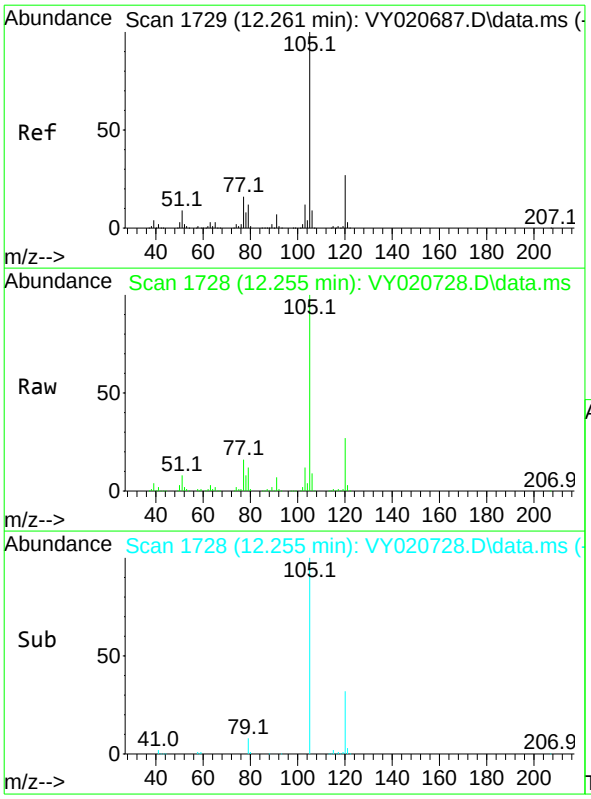


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:152 Resp: 76525

Ion	Ratio	Lower	Upper
152	100		
115	58.5	30.3	90.9
150	173.6	0.0	349.0

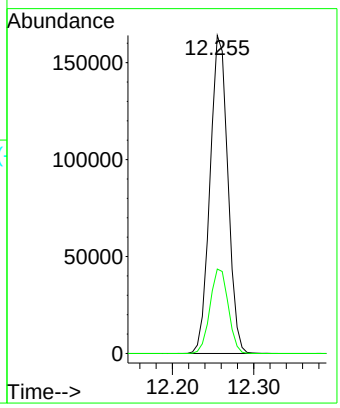




#73
Isopropylbenzene
Concen: 47.089 ug/l
RT: 12.255 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:105 Resp: 249657

Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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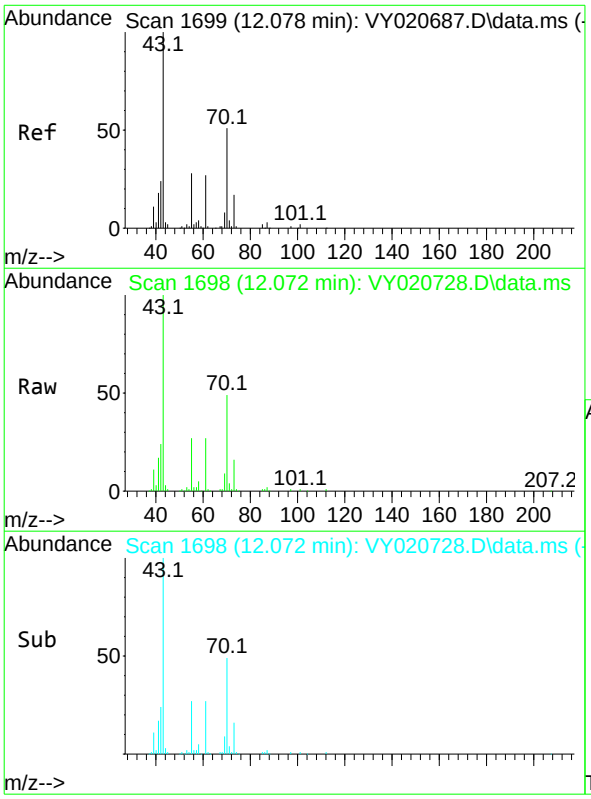
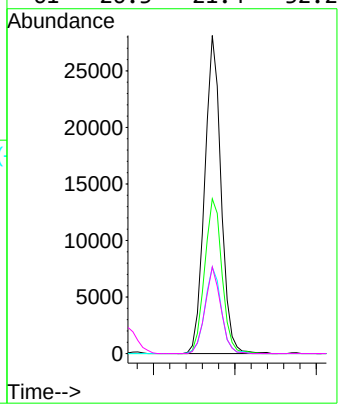
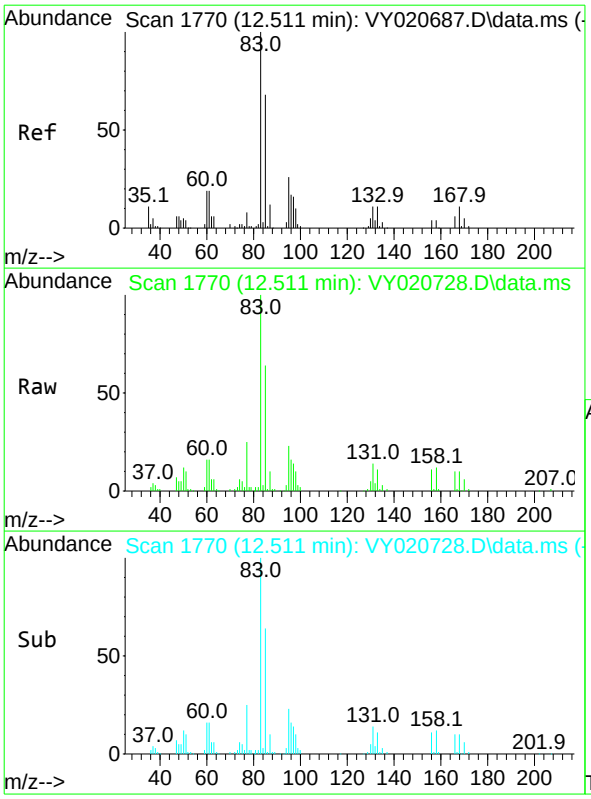


#74
N-amyl acetate
Concen: 52.059 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 43 Resp: 39222

Ion	Ratio	Lower	Upper
43	100		
70	51.5	39.7	59.5
55	27.2	21.5	32.3
61	26.3	21.4	32.2





#75
1,1,2,2-Tetrachloroethane
Concen: 49.563 ug/l
RT: 12.511 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 83 Resp: 33686

Ion	Ratio	Lower	Upper
83	100		
131	14.3	6.9	20.7
85	65.4	32.5	97.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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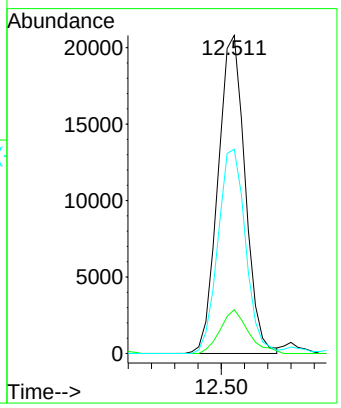
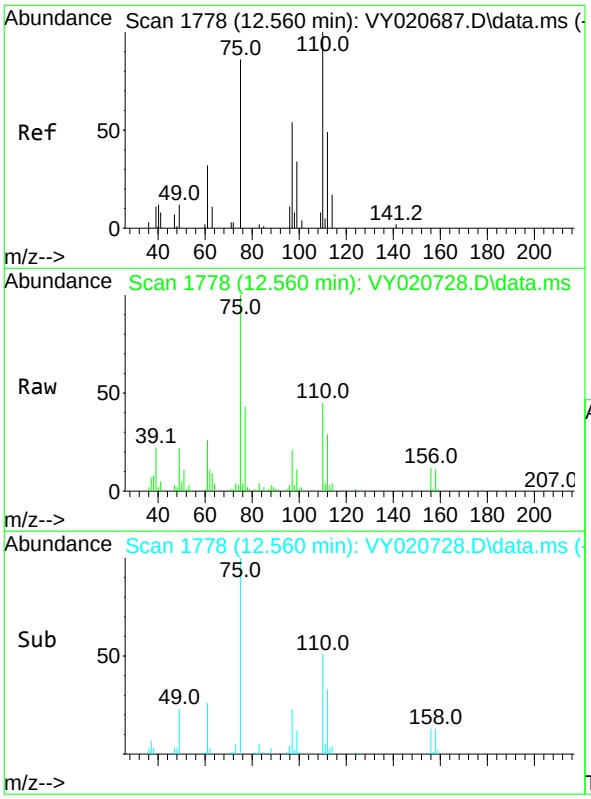
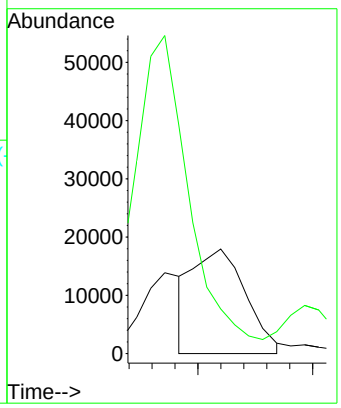


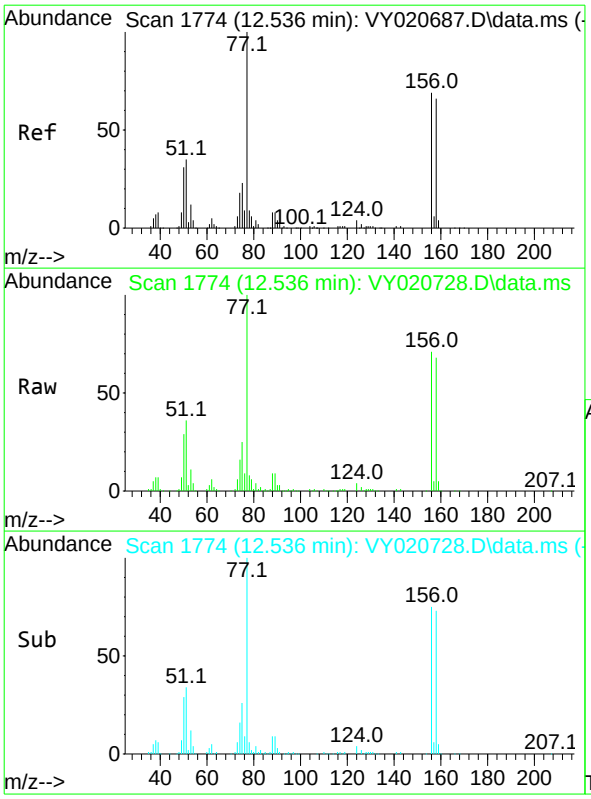


#76
1,2,3-Trichloropropane
Concen: 59.202 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 75 Resp: 28814

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 48.546 ug/l
RT: 12.536 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:156 Resp: 59248

Ion	Ratio	Lower	Upper
156	100		
77	156.2	78.3	235.0
158	96.7	48.3	144.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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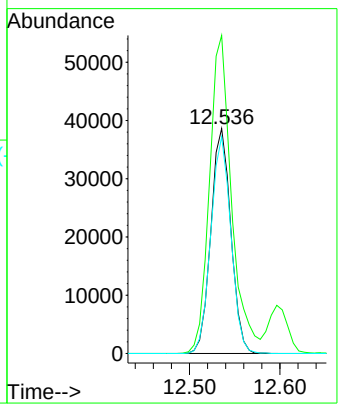
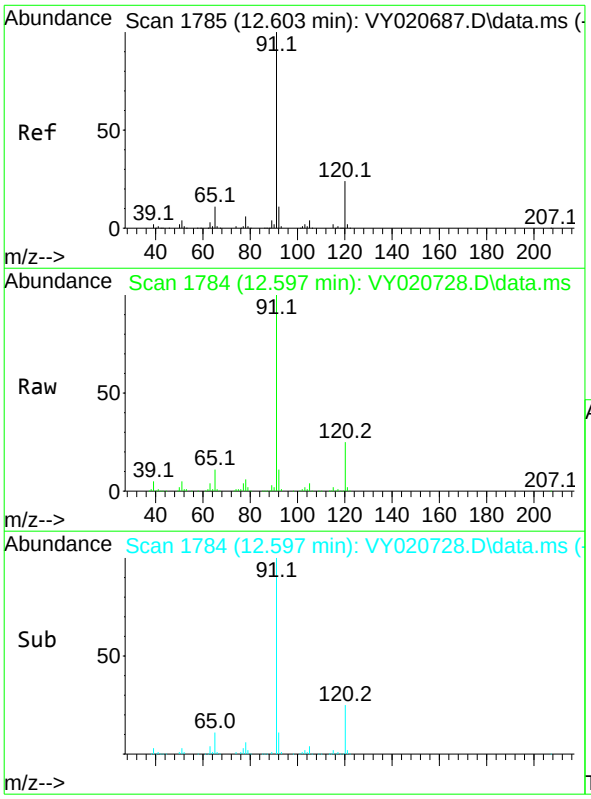
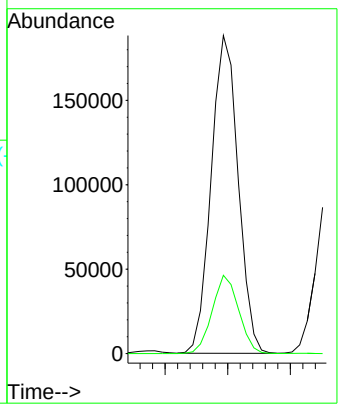


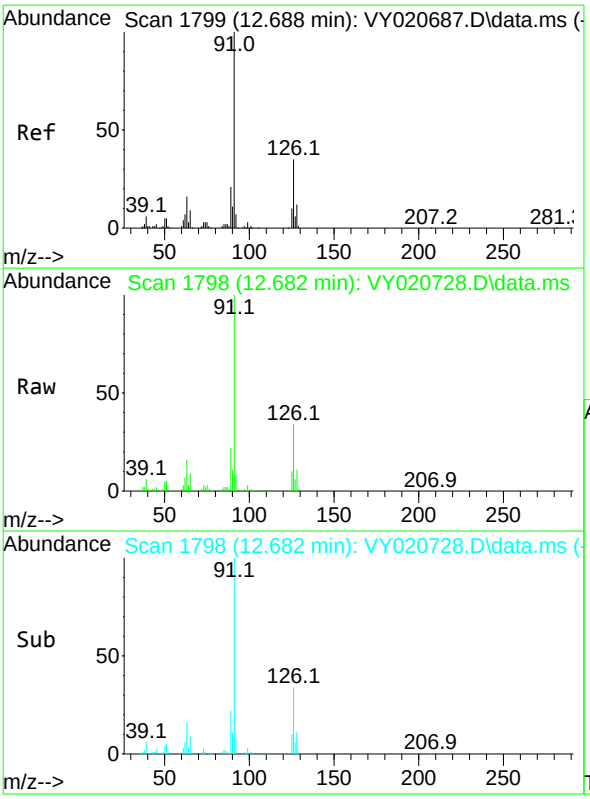


#78
n-propylbenzene
Concen: 47.482 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 91 Resp: 282155

Ion	Ratio	Lower	Upper
91	100		
120	24.1	12.3	36.8

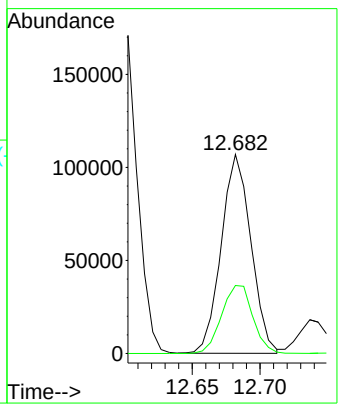




#79
2-Chlorotoluene
Concen: 48.116 ug/l
RT: 12.682 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 91 Resp: 162993

Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.8	53.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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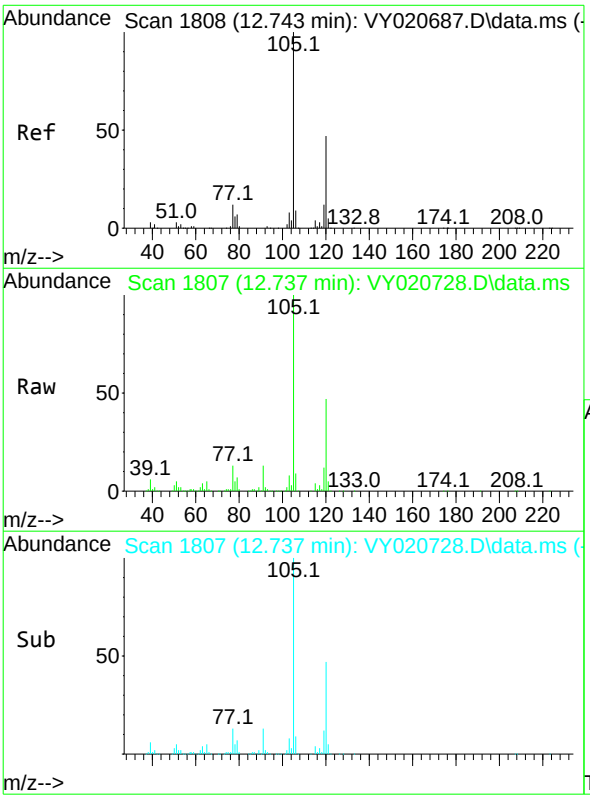
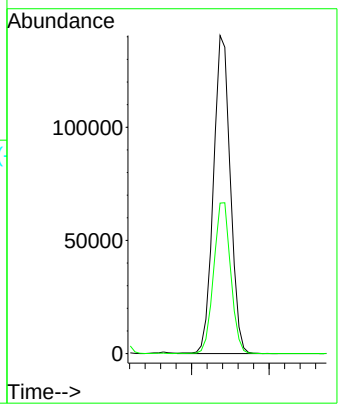
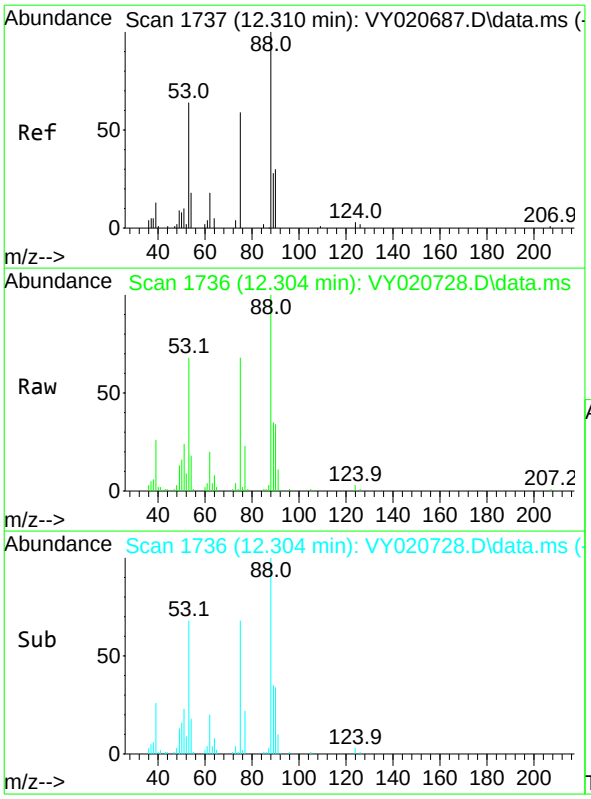


#80
1,3,5-Trimethylbenzene
Concen: 48.002 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:105 Resp: 212033

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 49.030 ug/l
RT: 12.304 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 75 Resp: 12073

Ion	Ratio	Lower	Upper
75	100		
53	98.5	83.1	124.7
89	52.3	40.6	61.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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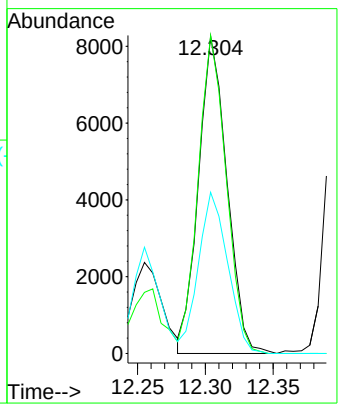
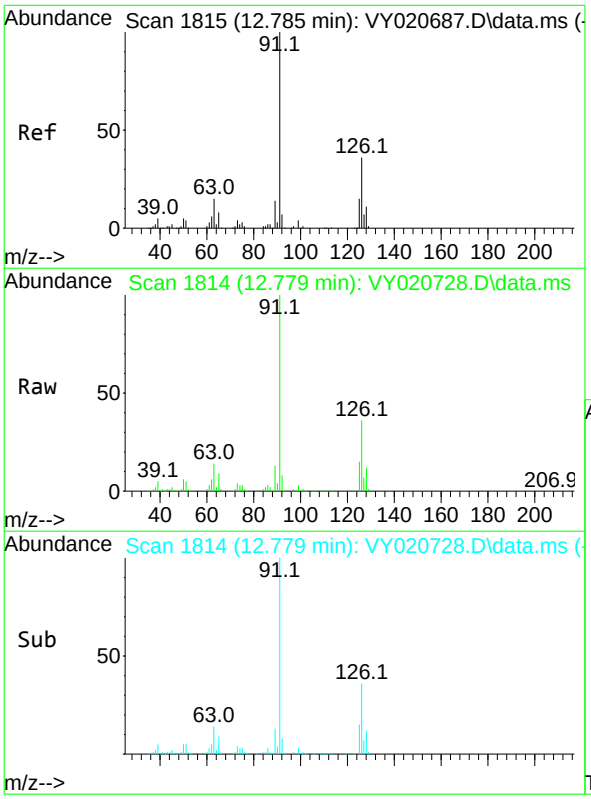
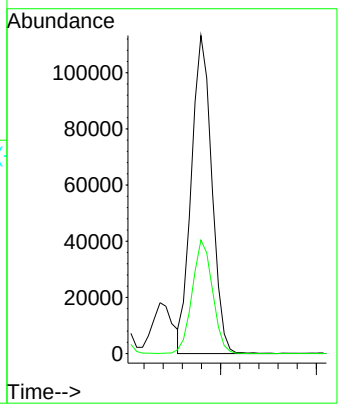


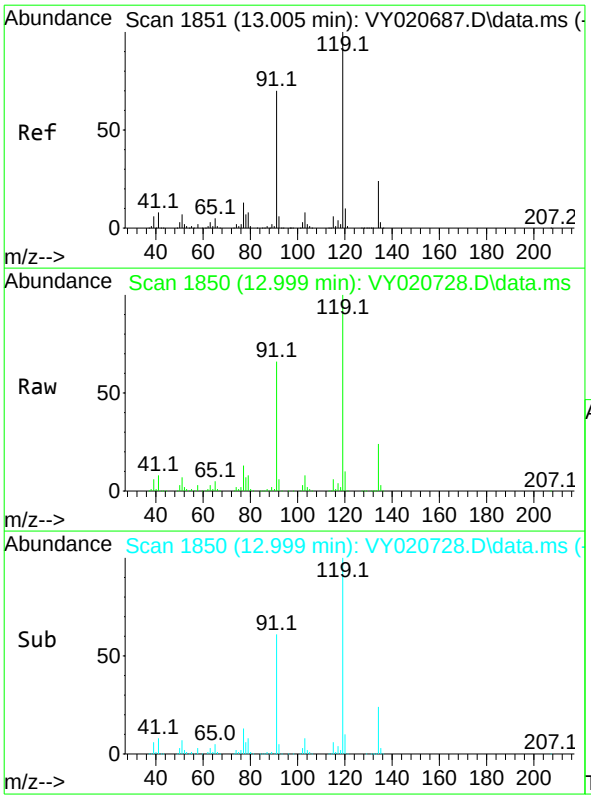


#82
4-Chlorotoluene
Concen: 47.924 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 91 Resp: 167778

Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.8	53.5





#83
tert-Butylbenzene
Concen: 46.437 ug/l
RT: 12.999 min Scan# 18
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:119 Resp: 191560

Ion	Ratio	Lower	Upper
119	100		
91	67.2	33.6	100.8
134	27.0	13.4	40.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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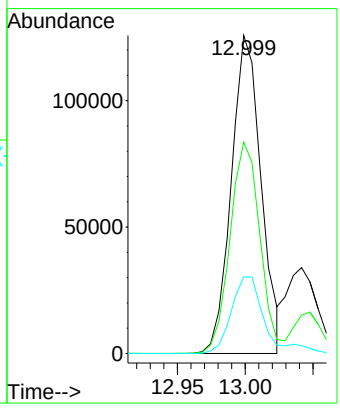
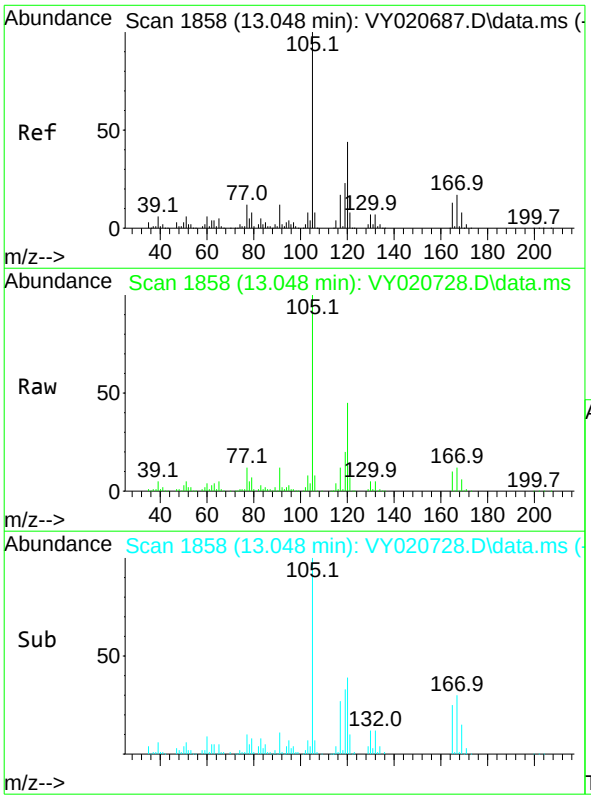
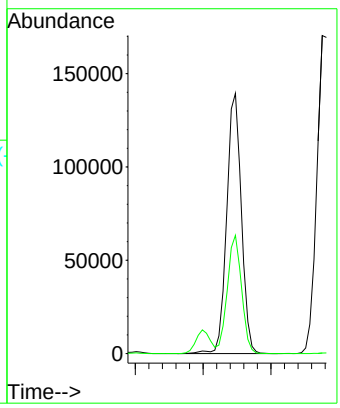


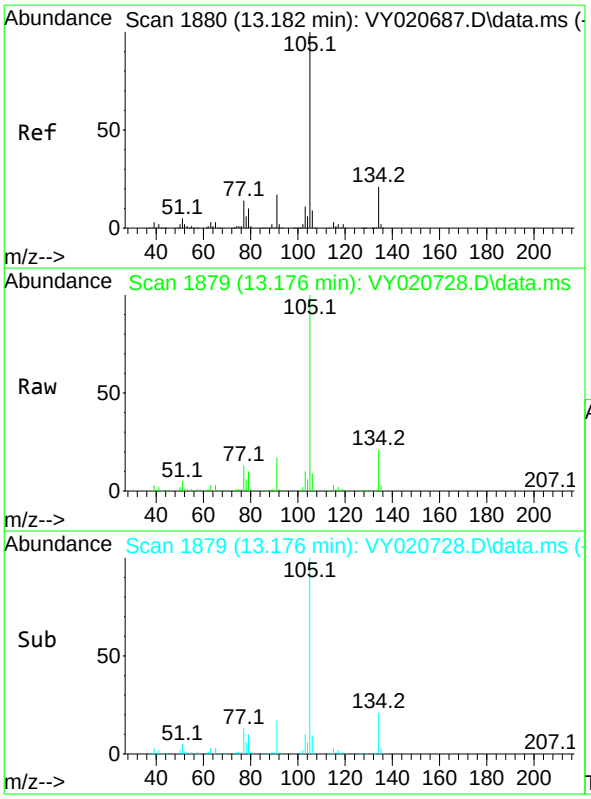


#84
1,2,4-Trimethylbenzene
Concen: 48.661 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:105 Resp: 209170

Ion	Ratio	Lower	Upper
105	100		
120	44.4	21.8	65.3





#85
sec-Butylbenzene
Concen: 46.679 ug/l
RT: 13.176 min Scan# 18
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:105 Resp: 259512

Ion	Ratio	Lower	Upper
105	100		
134	21.7	10.7	32.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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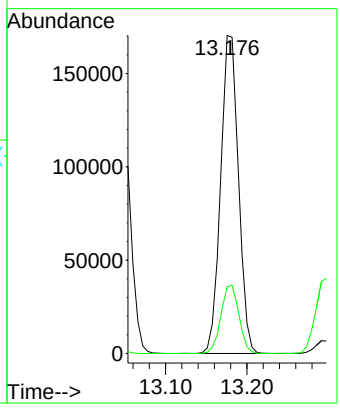
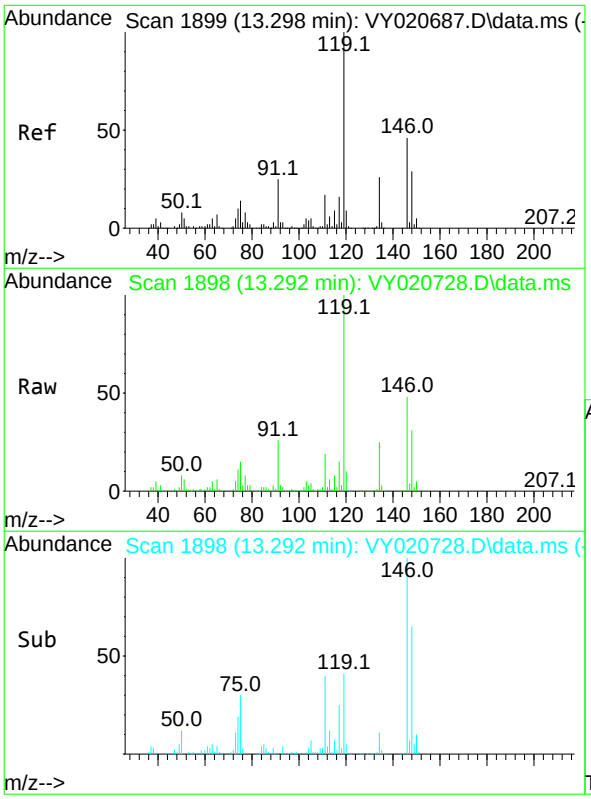
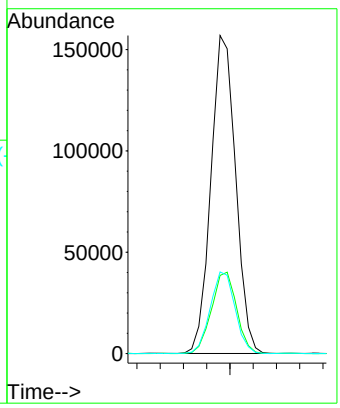


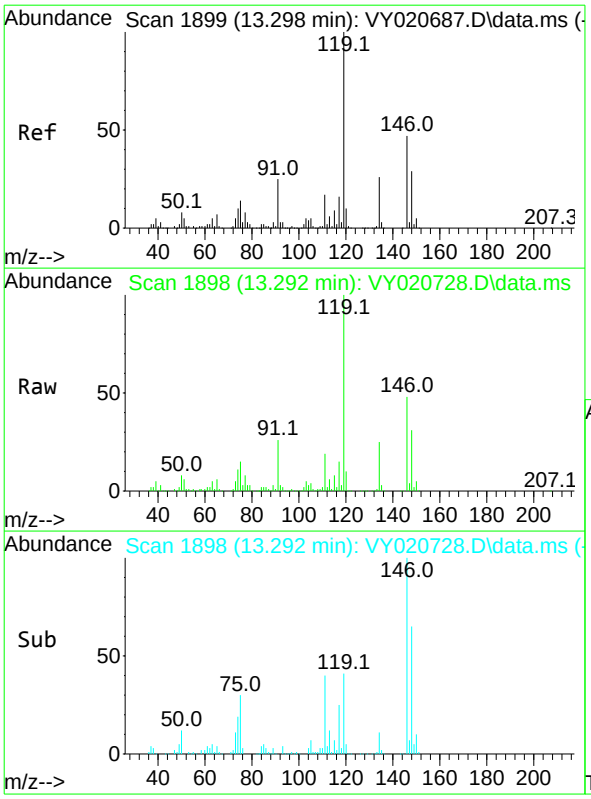


#86
p-Isopropyltoluene
Concen: 46.789 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:119 Resp: 231821

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.4	40.2
91	25.8	12.9	38.6





#87
1,3-Dichlorobenzene
Concen: 47.503 ug/l
RT: 13.292 min Scan# 18
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

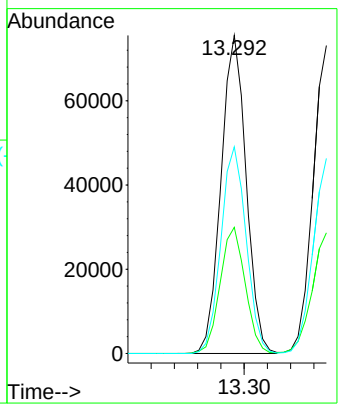
Tgt Ion:146 Resp: 113309

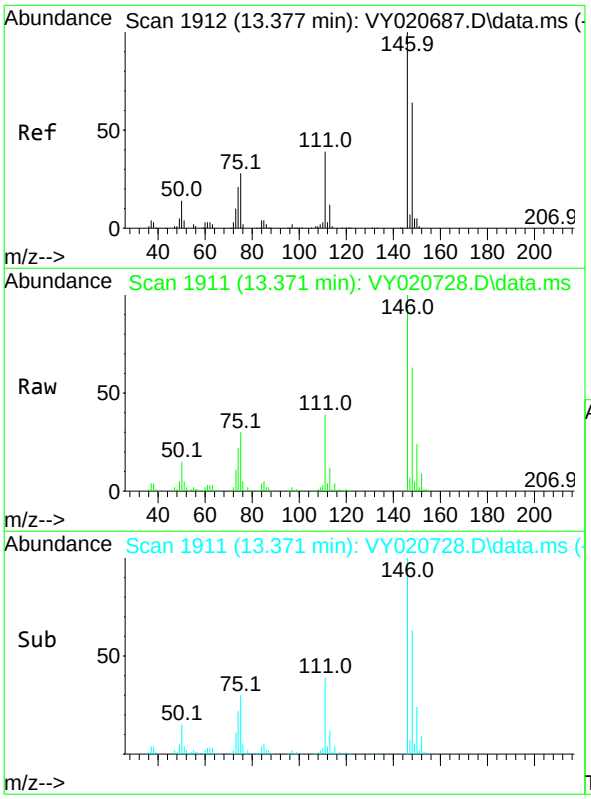
Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.3	57.8
148	65.4	31.1	93.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

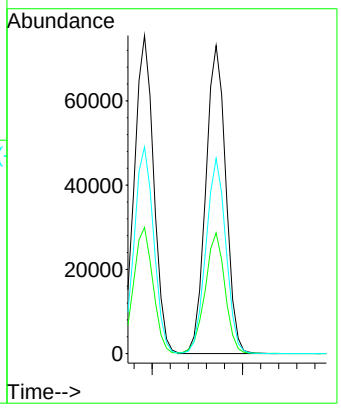


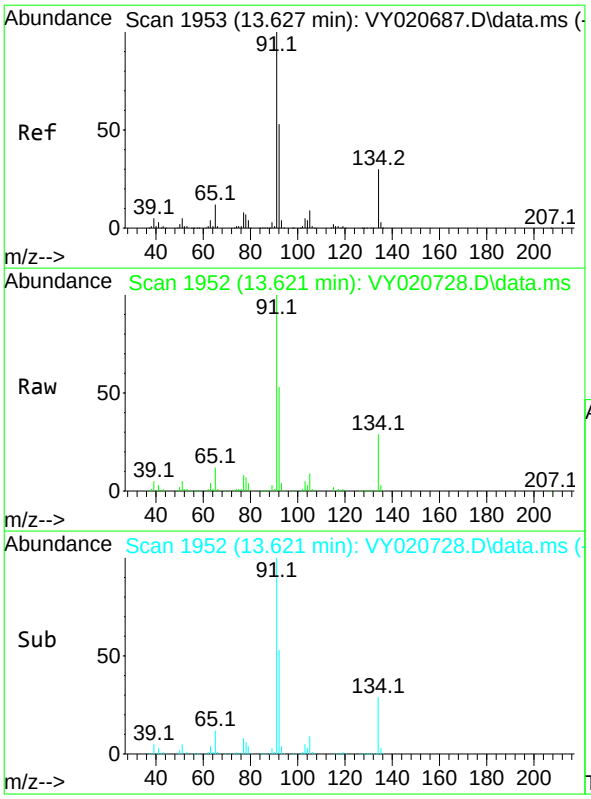


#88
1,4-Dichlorobenzene
Concen: 47.392 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:146 Resp: 112454

Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.0
148	63.3	32.8	98.3





#89
n-Butylbenzene
Concen: 46.112 ug/l
RT: 13.621 min Scan# 19
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

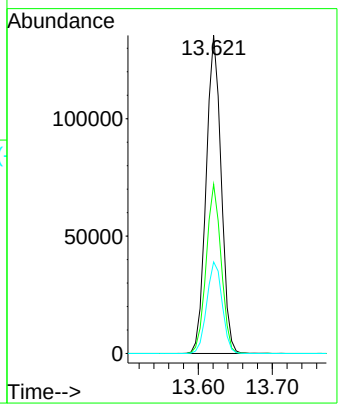
Tgt Ion: 91 Resp: 190714

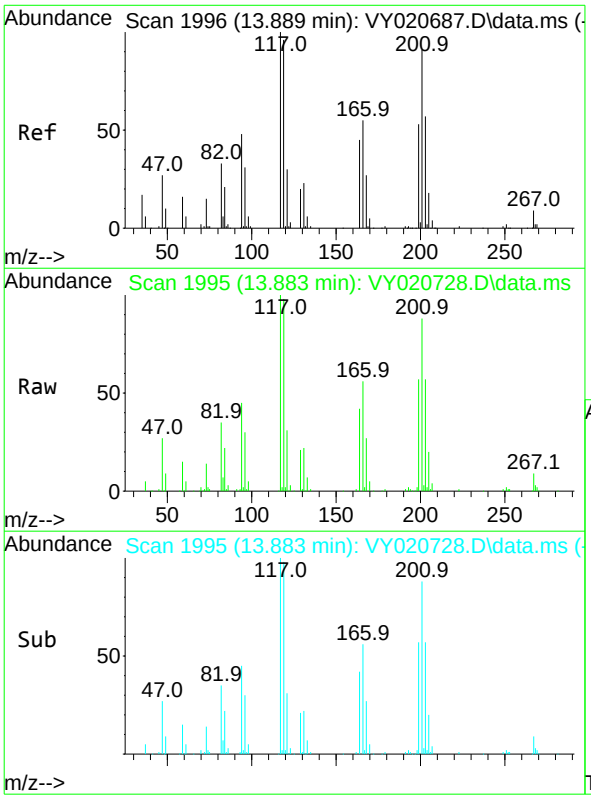
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.1	78.2
134	29.4	14.8	44.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

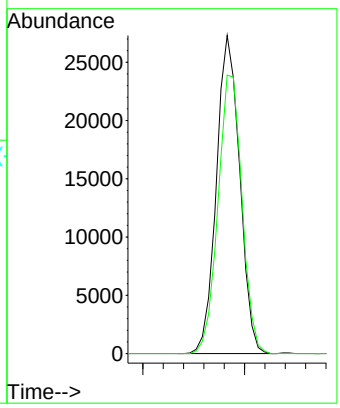


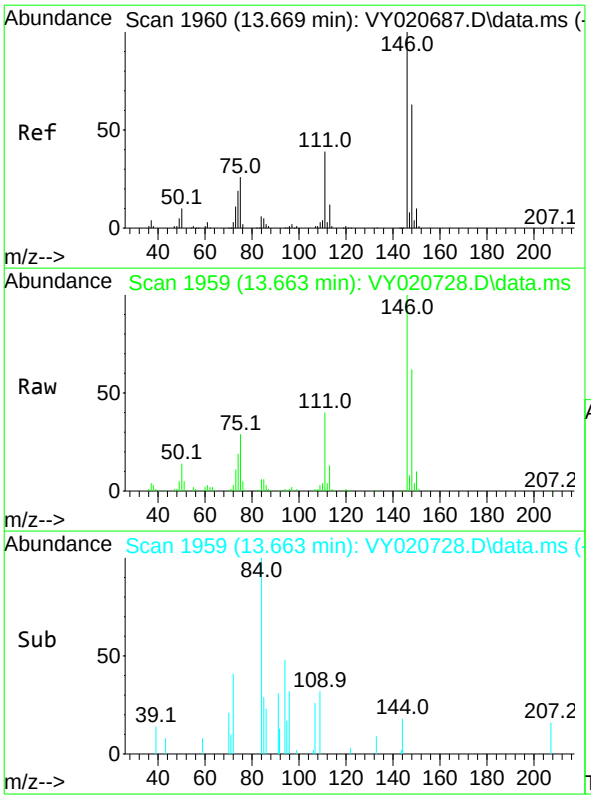


#90
Hexachloroethane
Concen: 46.011 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:117 Resp: 43349

Ion	Ratio	Lower	Upper
117	100		
201	90.2	44.9	134.7

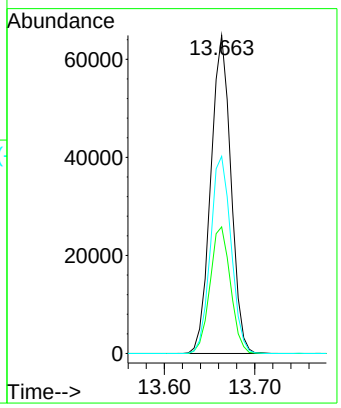




#91
1,2-Dichlorobenzene
Concen: 49.115 ug/l
RT: 13.663 min Scan# 19
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:146 Resp: 100450

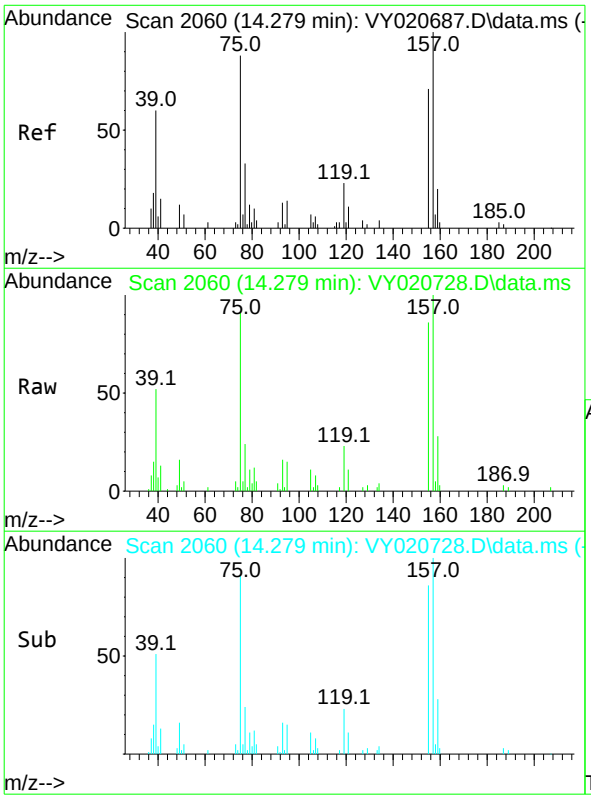
Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.3	60.8
148	63.5	31.9	95.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

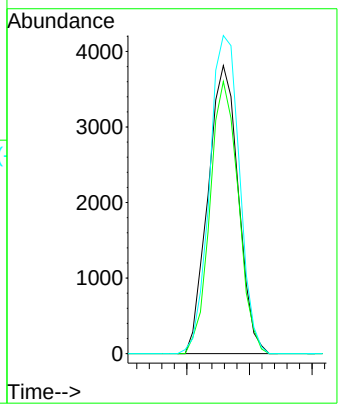
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

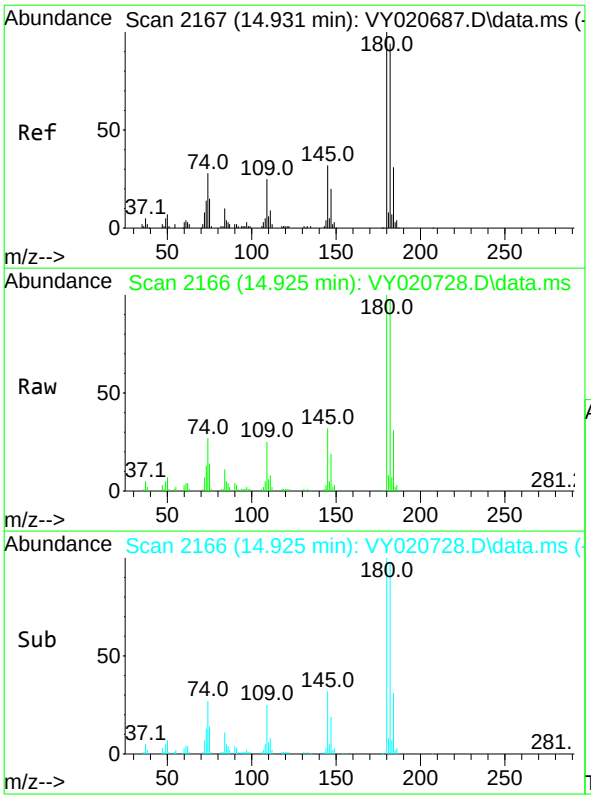


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.649 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 75 Resp: 6413

Ion	Ratio	Lower	Upper
75	100		
155	88.1	43.4	130.2
157	109.1	58.6	175.7





#93
1,2,4-Trichlorobenzene
Concen: 45.993 ug/l
RT: 14.925 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

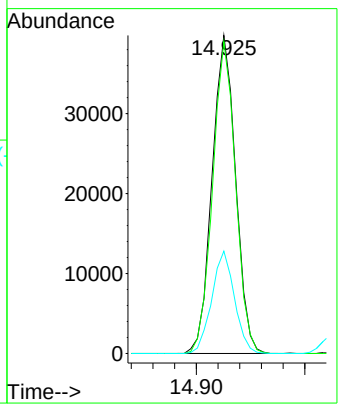
Tgt Ion:180 Resp: 59790

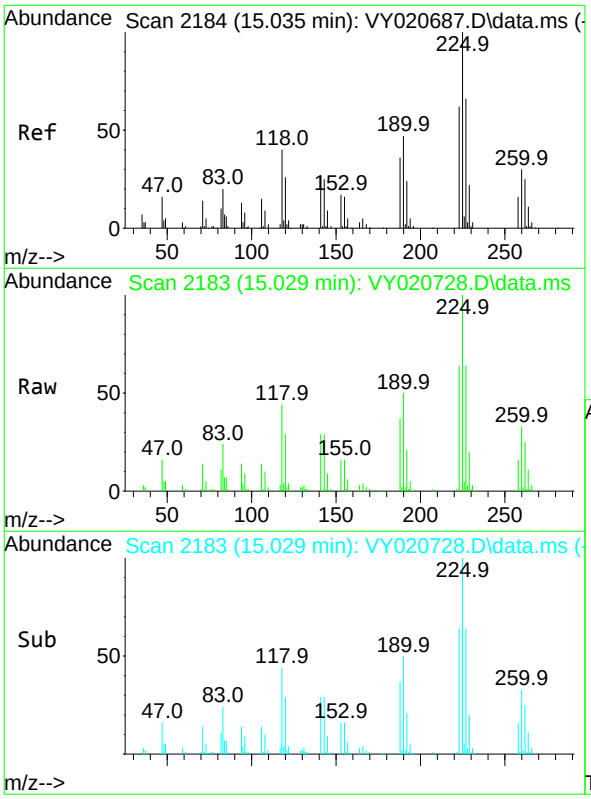
Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.7
145	31.2	15.6	46.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

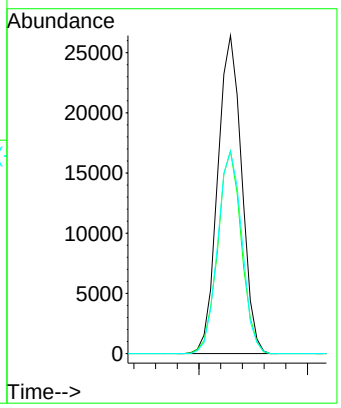


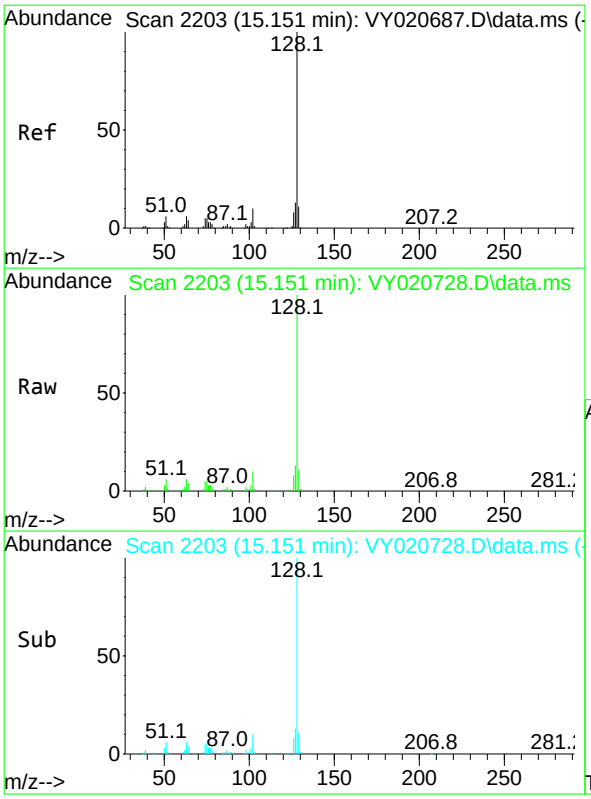


#94
Hexachlorobutadiene
Concen: 42.822 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:225 Resp: 40572

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.3	93.8
227	64.1	32.1	96.5

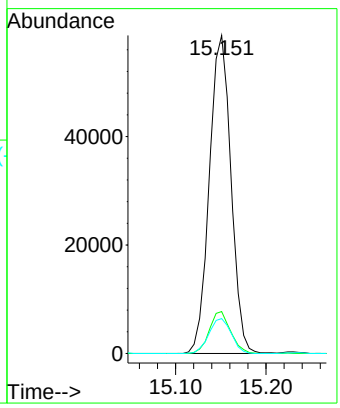




#95
Naphthalene
Concen: 46.789 ug/l
RT: 15.151 min Scan# 22
Delta R.T. -0.000 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:128 Resp: 97419

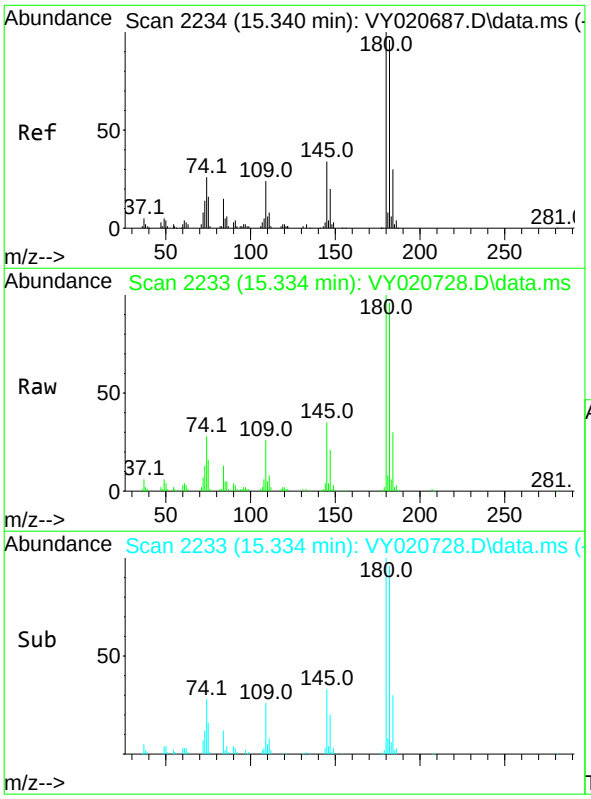
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	11.3	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

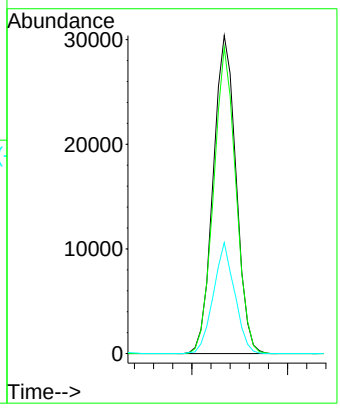
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024



#96
1,2,3-Trichlorobenzene
Concen: 46.500 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:180 Resp: 50331

Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.4	142.2
145	32.6	16.7	50.1



Sample Results: **VY020728.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020728.D
Acq On : 26 Dec 2024 19:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 27 00:37:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 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	Pentafluorobenzene	1.000	1.000	0.0	124	-0.01
2	T	Dichlorodifluoromethane	0.394	0.355	9.9	109	0.00
3	P	Chloromethane	0.147	0.155	-5.4	122	0.00
4	C	Vinyl Chloride	0.182	0.179	1.6#	115	0.00
5	T	Bromomethane	0.137	0.140	-2.2	123	0.00
6	T	Chloroethane	0.109	0.111	-1.8	122	0.00
7	T	Trichlorofluoromethane	0.699	0.615	12.0	107	-0.01
8	T	Diethyl Ether	0.166	0.181	-9.0	126	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.384	0.366	4.7	116	-0.01
10	T	Methyl Iodide	0.420	0.435	-3.6	119	-0.01
11	T	Tert butyl alcohol	0.031	0.027	12.9	120	0.00
12	CM	1,1-Dichloroethene	0.342	0.342	0.0	120	-0.01
13	T	Acrolein	0.009	0.005	44.4#	107	-0.01
14	T	Allyl chloride	0.400	0.428	-7.0	128	-0.02
15	T	Acrylonitrile	0.064	0.069	-7.8	120	0.00
16	T	Acetone	0.052	0.049	5.8	112	0.00
17	T	Carbon Disulfide	0.838	0.878	-4.8	120	-0.01
18	T	Methyl Acetate	0.141	0.155	-9.9	120	-0.01
19	T	Methyl tert-butyl Ether	0.952	0.995	-4.5	121	-0.01
20	T	Methylene Chloride	0.338	0.368	-8.9	133	0.00
21	T	trans-1,2-Dichloroethene	0.368	0.389	-5.7	123	-0.02
22	T	Diisopropyl ether	0.813	0.914	-12.4	132	-0.01
23	T	Vinyl Acetate	0.486	0.530	-9.1	122	0.00
24	P	1,1-Dichloroethane	0.609	0.649	-6.6	130	0.00
25	T	2-Butanone	0.070	0.077	-10.0	120	-0.01
26	T	2,2-Dichloropropane	0.746	0.701	6.0	116	-0.01
27	T	cis-1,2-Dichloroethene	0.441	0.465	-5.4	125	-0.01
28	T	Bromochloromethane	0.161	0.201	-24.8	129	-0.01
29	T	Tetrahydrofuran	0.043	0.048	-11.6	122	-0.01
30	C	Chloroform	0.784	0.803	-2.4#	126	0.00
31	T	Cyclohexane	0.526	0.478	9.1	116	-0.01
32	T	1,1,1-Trichloroethane	0.840	0.815	3.0	117	-0.01
33	S	1,2-Dichloroethane-d4	0.410	0.485	-18.3	116	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	128	-0.01
35	S	Dibromofluoromethane	0.275	0.305	-10.9	122	0.00
36	T	1,1-Dichloropropene	0.364	0.348	4.4	119	-0.01
37	T	Ethyl Acetate	0.120	0.127	-5.8	121	0.00
38	T	Carbon Tetrachloride	0.599	0.538	10.2	112	-0.01
39	T	Methylcyclohexane	0.466	0.430	7.7	113	0.00
40	TM	Benzene	1.054	1.074	-1.9	126	0.00
41	T	Methacrylonitrile	0.061	0.072	-18.0	166#	0.00
42	TM	1,2-Dichloroethane	0.338	0.338	0.0	119	0.00
43	T	Isopropyl Acetate	0.255	0.267	-4.7	119	0.00
44	TM	Trichloroethene	0.315	0.307	2.5	121	-0.01
45	C	1,2-Dichloropropane	0.213	0.224	-5.2#	127	0.00
46	T	Dibromomethane	0.148	0.150	-1.4	120	0.00
47	T	Bromodichloromethane	0.419	0.416	0.7	123	0.00
48	T	Methyl methacrylate	0.119	0.118	0.8	115	0.00

Sample Results: **VY020728.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020728.D
Acq On : 26 Dec 2024 19:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 27 00:37:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 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	1,4-Dioxane	0.001	0.002	-100.0#	121	0.00
50	S	Toluene-d8	0.971	1.170	-20.5	122	0.00
51	T	4-Methyl-2-Pentanone	0.123	0.129	-4.9	118	0.00
52	CM	Toluene	0.723	0.732	-1.2#	126	-0.01
53	T	t-1,3-Dichloropropene	0.368	0.367	0.3	117	0.00
54	T	cis-1,3-Dichloropropene	0.403	0.409	-1.5	122	0.00
55	T	1,1,2-Trichloroethane	0.188	0.193	-2.7	124	0.00
56	T	Ethyl methacrylate	0.248	0.257	-3.6	119	0.00
57	T	1,3-Dichloropropane	0.306	0.313	-2.3	120	0.00
58	T	2-Chloroethyl Vinyl ether	0.086	0.104	-20.9	131	0.00
59	T	2-Hexanone	0.081	0.088	-8.6	118	0.00
60	T	Dibromochloromethane	0.305	0.299	2.0	121	0.00
61	T	1,2-Dibromoethane	0.177	0.175	1.1	118	0.00
62	S	4-Bromofluorobenzene	0.366	0.411	-12.3	123	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	127	0.00
64	T	Tetrachloroethene	0.342	0.319	6.7	116	0.00
65	PM	Chlorobenzene	0.979	0.970	0.9	123	0.00
66	T	1,1,1,2-Tetrachloroethane	0.379	0.370	2.4	121	0.00
67	C	Ethyl Benzene	1.711	1.696	0.9#	121	0.00
68	T	m/p-Xylenes	0.653	0.644	1.4	121	0.00
69	T	o-Xylene	0.624	0.616	1.3	121	0.00
70	T	Styrene	1.047	1.055	-0.8	123	0.00
71	P	Bromoform	0.218	0.216	0.9	114	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	127	0.00
73	T	Isopropylbenzene	3.464	3.262	5.8	119	0.00
74	T	N-amyl acetate	0.492	0.513	-4.3	119	0.00
75	P	1,1,2,2-Tetrachloroethane	0.444	0.440	0.9	117	0.00
76	T	1,2,3-Trichloropropane	0.318	0.377	-18.6	159#	0.00
77	T	Bromobenzene	0.797	0.774	2.9	120	0.00
78	T	n-propylbenzene	3.883	3.687	5.0	120	0.00
79	T	2-Chlorotoluene	2.213	2.130	3.8	120	0.00
80	T	1,3,5-Trimethylbenzene	2.886	2.771	4.0	119	0.00
81	T	trans-1,4-Dichloro-2-butene	0.161	0.158	1.9	114	0.00
82	T	4-Chlorotoluene	2.287	2.192	4.2	119	0.00
83	T	tert-Butylbenzene	2.695	2.503	7.1	116	0.00
84	T	1,2,4-Trimethylbenzene	2.809	2.733	2.7	120	0.00
85	T	sec-Butylbenzene	3.633	3.391	6.7	117	0.00
86	T	p-Isopropyltoluene	3.237	3.029	6.4	117	0.00
87	T	1,3-Dichlorobenzene	1.559	1.481	5.0	119	0.00
88	T	1,4-Dichlorobenzene	1.550	1.470	5.2	119	0.00
89	T	n-Butylbenzene	2.702	2.492	7.8	115	0.00
90	T	Hexachloroethane	0.616	0.566	8.1	117	0.00
91	T	1,2-Dichlorobenzene	1.336	1.313	1.7	118	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.086	0.084	2.3	108	0.00
93	T	1,2,4-Trichlorobenzene	0.849	0.781	8.0	110	0.00
94	T	Hexachlorobutadiene	0.619	0.530	14.4	108	0.00
95	T	Naphthalene	1.360	1.273	6.4	106	0.00

Sample Results: **VY020728.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020728.D
Acq On : 26 Dec 2024 19:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 27 00:37:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 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)
96 T	1,2,3-Trichlorobenzene	0.707	0.658	6.9	108	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 5

Evaluate Continuing Calibration Report

Sample Results: **VY020728.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020728.D
Acq On : 26 Dec 2024 19:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 27 00:37:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 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	Pentafluorobenzene	50.000	50.000	0.0	124	-0.01
2	T	Dichlorodifluoromethane	50.000	45.114	9.8	109	0.00
3	P	Chloromethane	50.000	52.737	-5.5	122	0.00
4	C	Vinyl Chloride	50.000	49.224	1.6#	115	0.00
5	T	Bromomethane	50.000	50.944	-1.9	123	0.00
6	T	Chloroethane	50.000	50.896	-1.8	122	0.00
7	T	Trichlorofluoromethane	50.000	44.000	12.0	107	-0.01
8	T	Diethyl Ether	50.000	54.301	-8.6	126	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.637	4.7	116	-0.01
10	T	Methyl Iodide	50.000	51.852	-3.7	119	-0.01
11	T	Tert butyl alcohol	250.000	266.739	-6.7	120	0.00
12	CM	1,1-Dichloroethene	50.000	50.083	-0.2#	120	-0.01
13	T	Acrolein	250.000	160.414	35.8#	107	-0.01
14	T	Allyl chloride	50.000	53.553	-7.1	128	-0.02
15	T	Acrylonitrile	250.000	267.470	-7.0	120	0.00
16	T	Acetone	250.000	236.085	5.6	112	0.00
17	T	Carbon Disulfide	50.000	52.366	-4.7	120	-0.01
18	T	Methyl Acetate	50.000	54.975	-10.0	120	-0.01
19	T	Methyl tert-butyl Ether	50.000	52.242	-4.5	121	-0.01
20	T	Methylene Chloride	50.000	54.496	-9.0	133	0.00
21	T	trans-1,2-Dichloroethene	50.000	52.798	-5.6	123	-0.02
22	T	Diisopropyl ether	50.000	56.213	-12.4	132	-0.01
23	T	Vinyl Acetate	250.000	272.779	-9.1	122	0.00
24	P	1,1-Dichloroethane	50.000	53.204	-6.4	130	0.00
25	T	2-Butanone	250.000	274.081	-9.6	120	-0.01
26	T	2,2-Dichloropropane	50.000	47.004	6.0	116	-0.01
27	T	cis-1,2-Dichloroethene	50.000	52.764	-5.5	125	-0.01
28	T	Bromochloromethane	50.000	62.291	-24.6	129	-0.01
29	T	Tetrahydrofuran	250.000	278.632	-11.5	122	-0.01
30	C	Chloroform	50.000	51.215	-2.4#	126	0.00
31	T	Cyclohexane	50.000	45.467	9.1	116	-0.01
32	T	1,1,1-Trichloroethane	50.000	48.508	3.0	117	-0.01
33	S	1,2-Dichloroethane-d4	50.000	59.186	-18.4	116	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	128	-0.01
35	S	Dibromofluoromethane	50.000	55.390	-10.8	122	0.00
36	T	1,1-Dichloropropene	50.000	47.847	4.3	119	-0.01
37	T	Ethyl Acetate	50.000	52.779	-5.6	121	0.00
38	T	Carbon Tetrachloride	50.000	44.945	10.1	112	-0.01
39	T	Methylcyclohexane	50.000	46.082	7.8	113	0.00
40	TM	Benzene	50.000	50.952	-1.9	126	0.00
41	T	Methacrylonitrile	50.000	59.754	-19.5	166	0.00
42	TM	1,2-Dichloroethane	50.000	49.961	0.1	119	0.00
43	T	Isopropyl Acetate	50.000	52.327	-4.7	119	0.00
44	TM	Trichloroethene	50.000	48.797	2.4	121	-0.01
45	C	1,2-Dichloropropane	50.000	52.575	-5.2#	127	0.00
46	T	Dibromomethane	50.000	50.665	-1.3	120	0.00
47	T	Bromodichloromethane	50.000	49.700	0.6	123	0.00
48	T	Methyl methacrylate	50.000	49.466	1.1	115	0.00

Sample Results: **VY020728.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020728.D
Acq On : 26 Dec 2024 19:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 27 00:37:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 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	1,4-Dioxane	1000.000	1130.206	-13.0	121	0.00
50	S	Toluene-d8	50.000	53.305	-6.6	122	0.00
51	T	4-Methyl-2-Pentanone	250.000	262.443	-5.0	118	0.00
52	CM	Toluene	50.000	50.676	-1.4#	126	-0.01
53	T	t-1,3-Dichloropropene	50.000	49.943	0.1	117	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.773	-1.5	122	0.00
55	T	1,1,2-Trichloroethane	50.000	51.326	-2.7	124	0.00
56	T	Ethyl methacrylate	50.000	51.971	-3.9	119	0.00
57	T	1,3-Dichloropropane	50.000	51.138	-2.3	120	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	300.757	-20.3	131	0.00
59	T	2-Hexanone	250.000	272.444	-9.0	118	0.00
60	T	Dibromochloromethane	50.000	49.038	1.9	121	0.00
61	T	1,2-Dibromoethane	50.000	49.418	1.2	118	0.00
62	S	4-Bromofluorobenzene	50.000	56.112	-12.2	123	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	127	0.00
64	T	Tetrachloroethene	50.000	46.676	6.6	116	0.00
65	PM	Chlorobenzene	50.000	49.537	0.9	123	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.804	2.4	121	0.00
67	C	Ethyl Benzene	50.000	49.546	0.9#	121	0.00
68	T	m/p-Xylenes	100.000	98.695	1.3	121	0.00
69	T	o-Xylene	50.000	49.380	1.2	121	0.00
70	T	Styrene	50.000	50.397	-0.8	123	0.00
71	P	Bromoform	50.000	49.586	0.8	114	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	127	0.00
73	T	Isopropylbenzene	50.000	47.089	5.8	119	0.00
74	T	N-amyl acetate	50.000	52.059	-4.1	119	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.563	0.9	117	0.00
76	T	1,2,3-Trichloropropane	50.000	59.202	-18.4	159	0.00
77	T	Bromobenzene	50.000	48.546	2.9	120	0.00
78	T	n-propylbenzene	50.000	47.482	5.0	120	0.00
79	T	2-Chlorotoluene	50.000	48.116	3.8	120	0.00
80	T	1,3,5-Trimethylbenzene	50.000	48.002	4.0	119	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.030	1.9	114	0.00
82	T	4-Chlorotoluene	50.000	47.924	4.2	119	0.00
83	T	tert-Butylbenzene	50.000	46.437	7.1	116	0.00
84	T	1,2,4-Trimethylbenzene	50.000	48.661	2.7	120	0.00
85	T	sec-Butylbenzene	50.000	46.679	6.6	117	0.00
86	T	p-Isopropyltoluene	50.000	46.789	6.4	117	0.00
87	T	1,3-Dichlorobenzene	50.000	47.503	5.0	119	0.00
88	T	1,4-Dichlorobenzene	50.000	47.392	5.2	119	0.00
89	T	n-Butylbenzene	50.000	46.112	7.8	115	0.00
90	T	Hexachloroethane	50.000	46.011	8.0	117	0.00
91	T	1,2-Dichlorobenzene	50.000	49.115	1.8	118	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.649	2.7	108	0.00
93	T	1,2,4-Trichlorobenzene	50.000	45.993	8.0	110	0.00
94	T	Hexachlorobutadiene	50.000	42.822	14.4	108	0.00
95	T	Naphthalene	50.000	46.789	6.4	106	0.00

Sample Results: **VY020728.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020728.D
Acq On : 26 Dec 2024 19:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Dec 27 00:37:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 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)
96 T	1,2,3-Trichlorobenzene	50.000	46.500	7.0	108	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

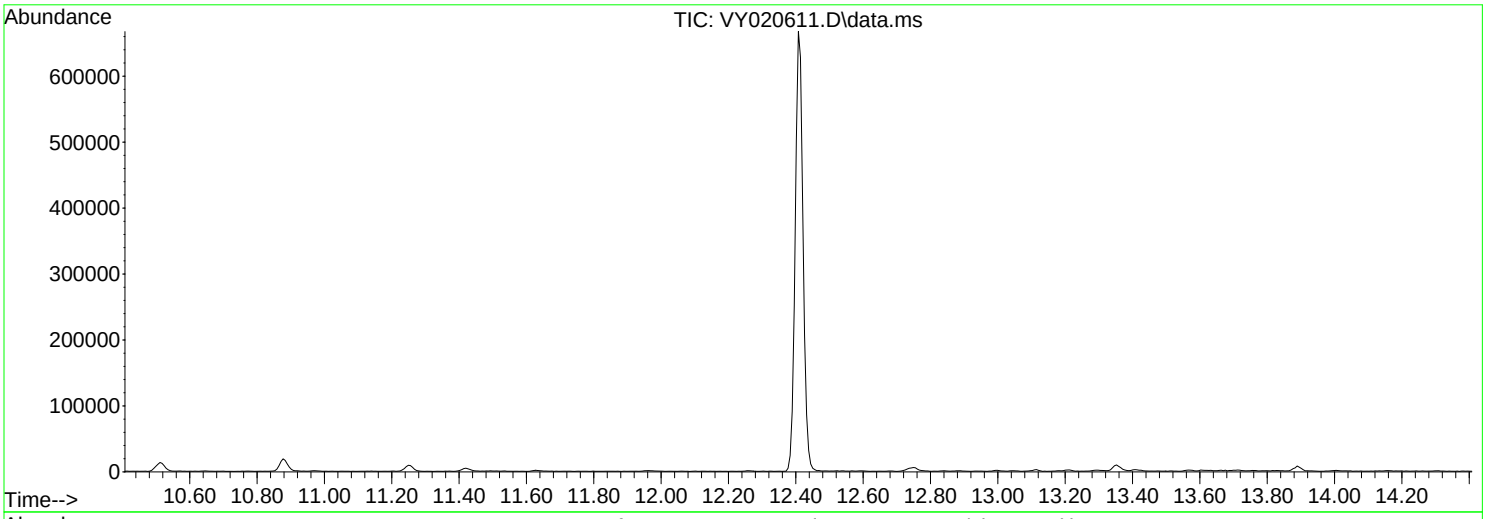
Sample Results: **VY020611.D**

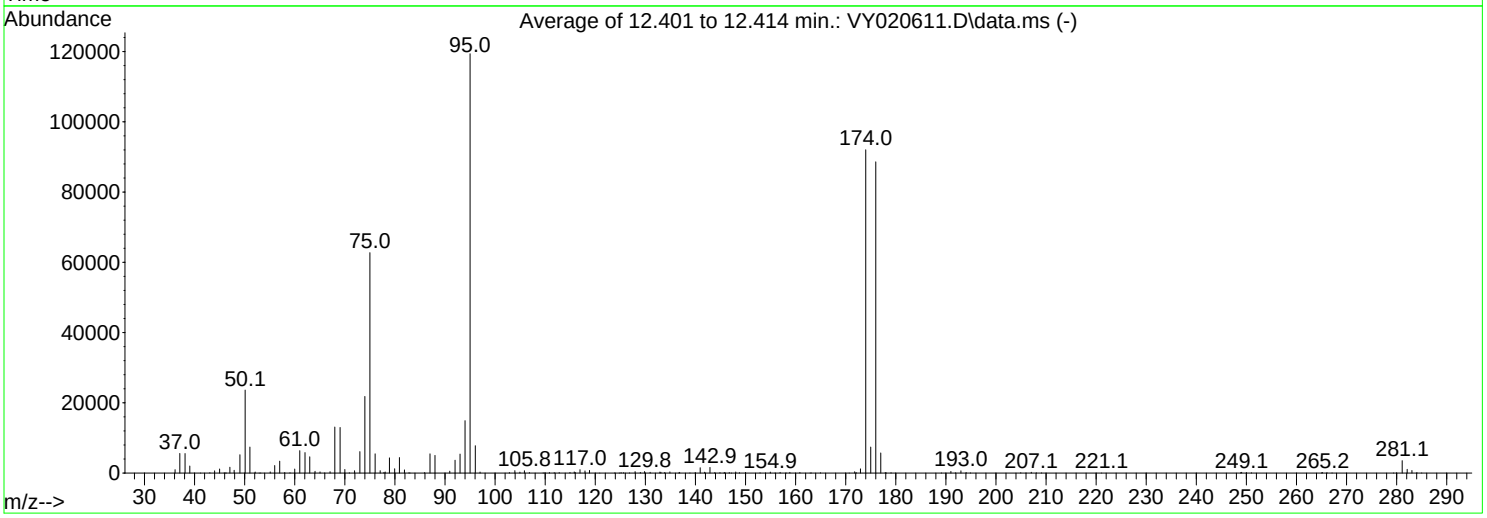
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020611.D
Acq On : 17 Dec 2024 09:00
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Title : SW846 8260
Last Update : Wed Dec 18 05:27:13 2024





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.8	23624	PASS
75	95	30	60	52.6	62757	PASS
95	95	100	100	100.0	119384	PASS
96	95	5	9	6.5	7799	PASS
173	174	0.00	2	1.3	1208	PASS
174	95	50	100	77.1	92040	PASS
175	174	5	9	8.0	7407	PASS
176	174	95	101	96.3	88608	PASS
177	176	5	9	6.5	5728	PASS

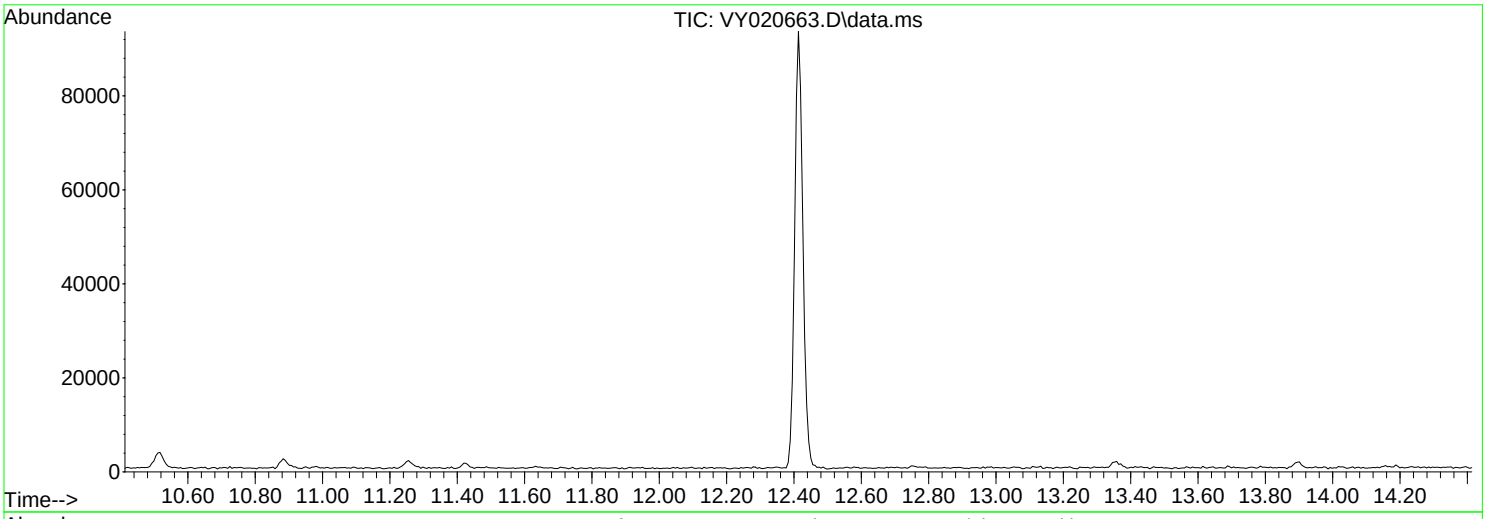
Sample Results: **VY020663.D**

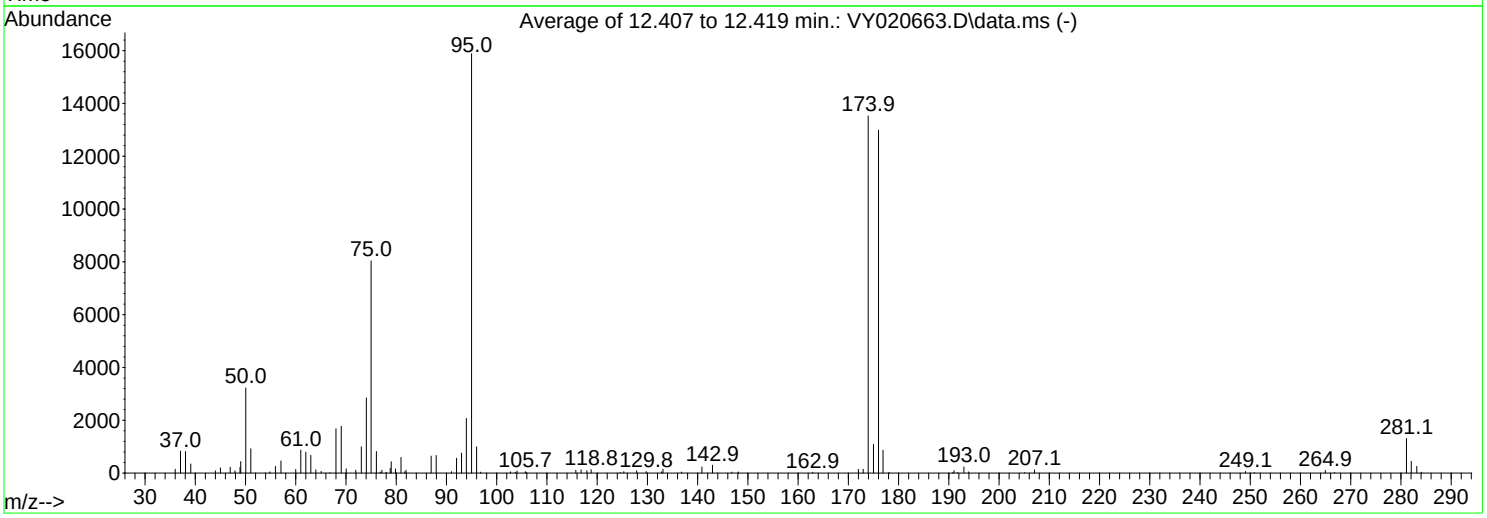
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020663.D
Acq On : 20 Dec 2024 08:37
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Title : SW846 8260
Last Update : Wed Dec 18 05:27:13 2024





AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1746

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.3	3225	PASS
75	95	30	60	50.6	8037	PASS
95	95	100	100	100.0	15882	PASS
96	95	5	9	6.3	996	PASS
173	174	0.00	2	1.1	146	PASS
174	95	50	100	85.2	13528	PASS
175	174	5	9	8.0	1087	PASS
176	174	95	101	96.0	12988	PASS
177	176	5	9	6.7	869	PASS

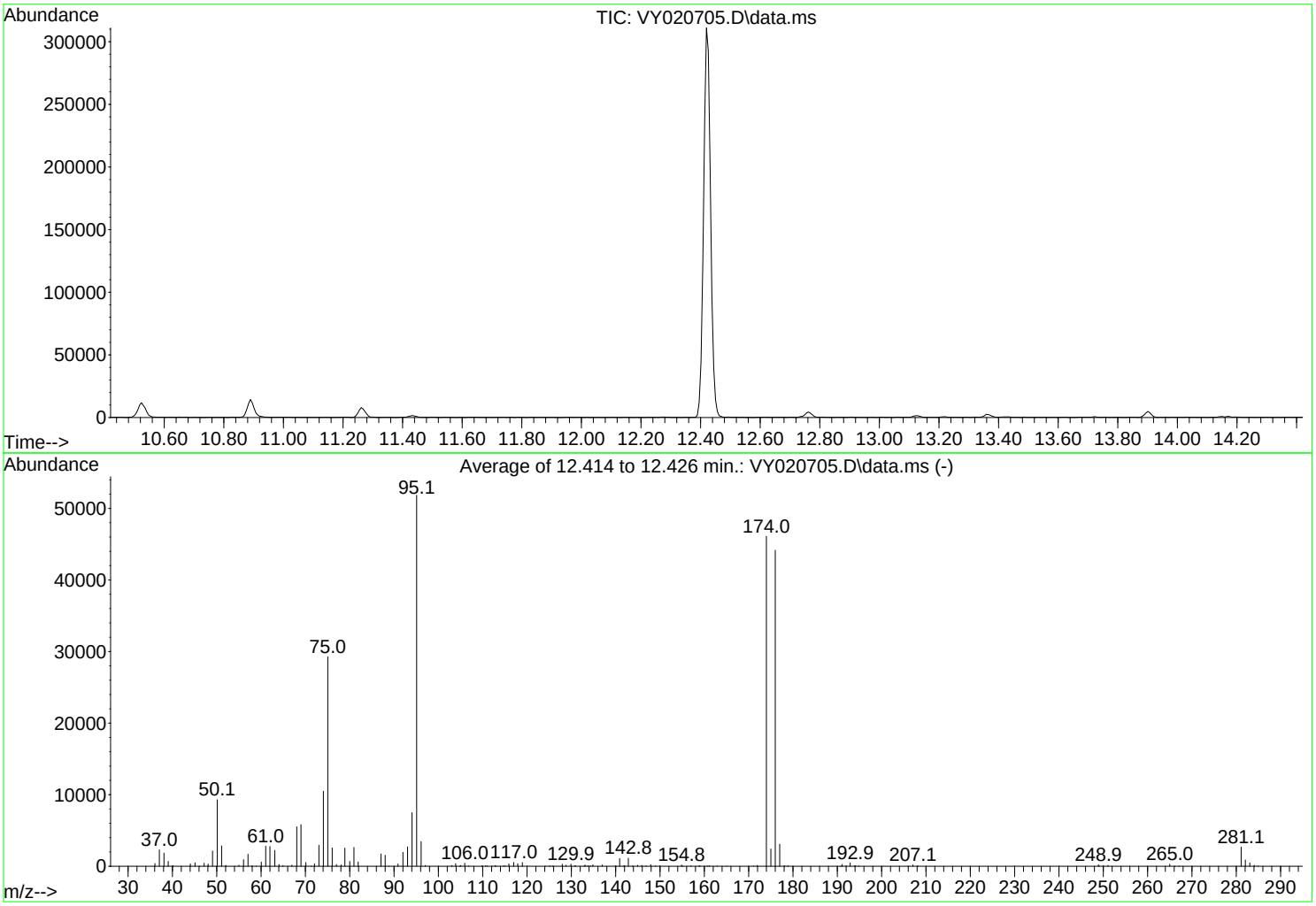
Sample Results: **VY020705.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020705.D
Acq On : 26 Dec 2024 08:29
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Title : SW846 8260
Last Update : Thu Dec 26 16:12:28 2024



AutoFind: Scans 1754, 1755, 1756; Background Corrected with Scan 1747

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.9	9300	PASS
75	95	30	60	56.5	29264	PASS
95	95	100	100	100.0	51840	PASS
96	95	5	9	6.7	3450	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	88.9	46104	PASS
175	174	5	9	5.3	2423	PASS
176	174	95	101	95.8	44160	PASS
177	176	5	9	7.0	3092	PASS

Raw Data: **VY020665.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VY1220SBL01	SDG No.:	P5316
Lab Sample ID:	VY1220SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY020665.D	1		12/20/24 11:24	VY122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-01-4	Vinyl Chloride	2.50	U	0.77	2.50	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	2.50	U	0.78	2.50	5.00	ug/Kg
67-64-1	Acetone	20.0	U	6.20	20.0	25.0	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.50	U	0.67	2.50	5.00	ug/Kg
75-09-2	Methylene Chloride	8.00	U	3.40	8.00	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.50	U	0.84	2.50	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	2.50	U	0.63	2.50	5.00	ug/Kg
78-93-3	2-Butanone	20.0	U	5.70	20.0	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	2.50	U	0.87	2.50	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.50	U	0.61	2.50	5.00	ug/Kg
67-66-3	Chloroform	4.00	U	0.67	4.00	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.50	U	0.78	2.50	5.00	ug/Kg
71-43-2	Benzene	2.50	U	0.72	2.50	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	2.50	U	0.61	2.50	5.00	ug/Kg
79-01-6	Trichloroethene	2.50	U	0.75	2.50	5.00	ug/Kg
108-88-3	Toluene	2.50	U	0.67	2.50	5.00	ug/Kg
127-18-4	Tetrachloroethene	2.50	U	0.89	2.50	5.00	ug/Kg
108-90-7	Chlorobenzene	2.50	U	0.74	2.50	5.00	ug/Kg
100-41-4	Ethyl Benzene	2.50	U	0.62	2.50	5.00	ug/Kg
1330-20-7	Total Xylenes	7.50	U	2.10	7.50	15.0	ug/Kg
103-65-1	n-propylbenzene	2.50	U	0.64	2.50	5.00	ug/Kg
98-06-6	tert-Butylbenzene	2.50	U	0.67	2.50	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	2.50	U	1.40	2.50	5.00	ug/Kg
135-98-8	sec-Butylbenzene	2.50	U	0.67	2.50	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.50	U	0.74	2.50	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.50	U	0.80	2.50	5.00	ug/Kg
104-51-8	n-Butylbenzene	2.50	U	0.63	2.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.50	U	0.59	2.50	5.00	ug/Kg
123-91-1	1,4-Dioxane	80.0	U	42.5	80.0	100	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.1		71 - 136		98%	SPK: 50

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VY1220SBL01	SDG No.:	P5316
Lab Sample ID:	VY1220SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY020665.D	1		12/20/24 11:24	VY122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1868-53-7	Dibromofluoromethane	50.7		78 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	49.8		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.5		79 - 119		89%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	159000	7.707				
540-36-3	1,4-Difluorobenzene	246000	8.616				
3114-55-4	Chlorobenzene-d5	208000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	110000	13.347				

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020665.D
Acq On : 20 Dec 2024 11:24
Operator : SY/MD
Sample : VY1220SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBL01

Quant Time: Dec 20 18:08:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

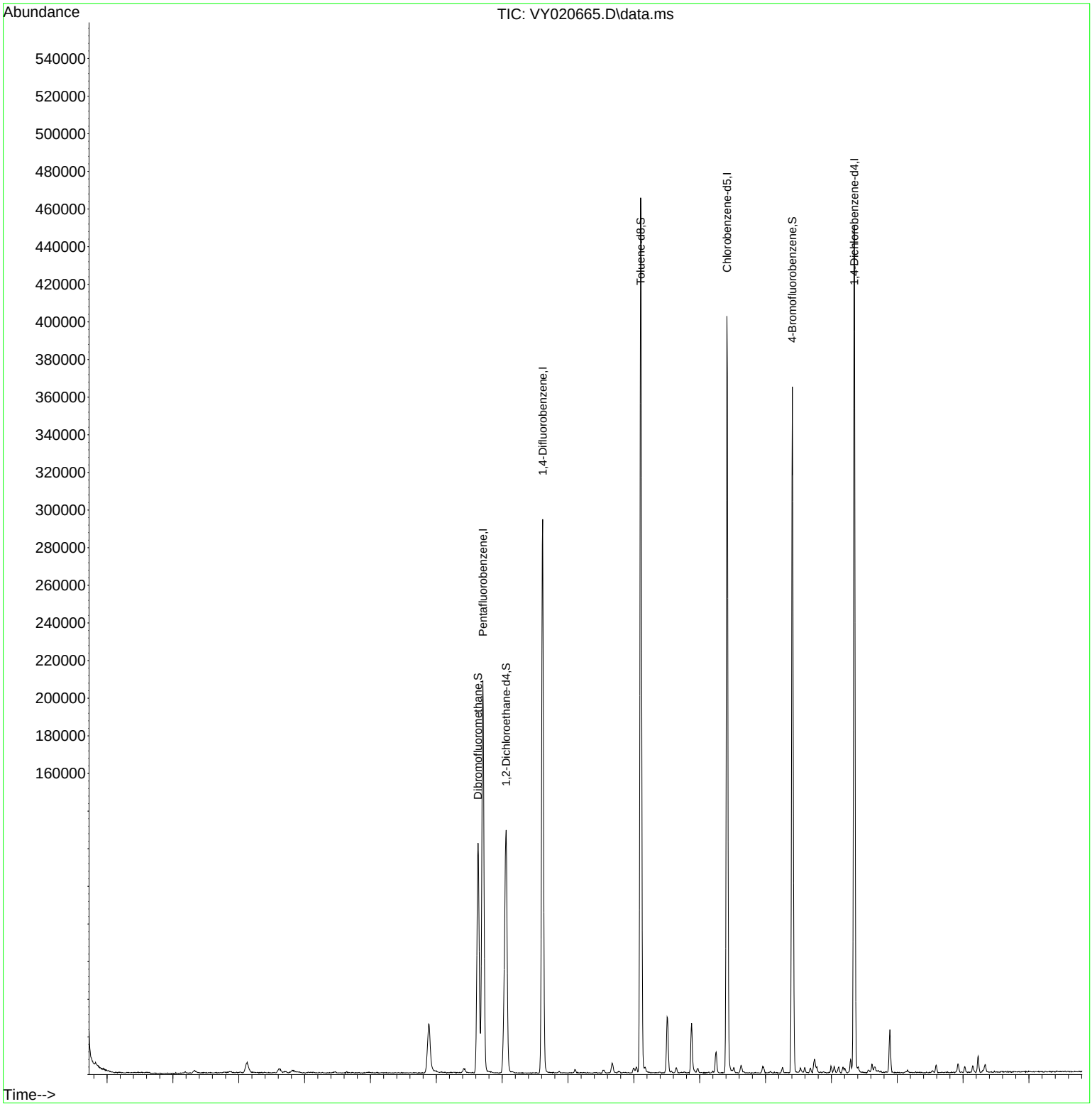
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	159056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	246351	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	208495	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	109647	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	85448	49.052	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.100%			
35) Dibromofluoromethane	7.634	113	88079	50.730	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.460%			
50) Toluene-d8	10.103	98	302895	49.843	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.680%			
62) 4-Bromofluorobenzene	12.408	95	105889	44.544	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 89.080%			
Target Compounds						Qvalue

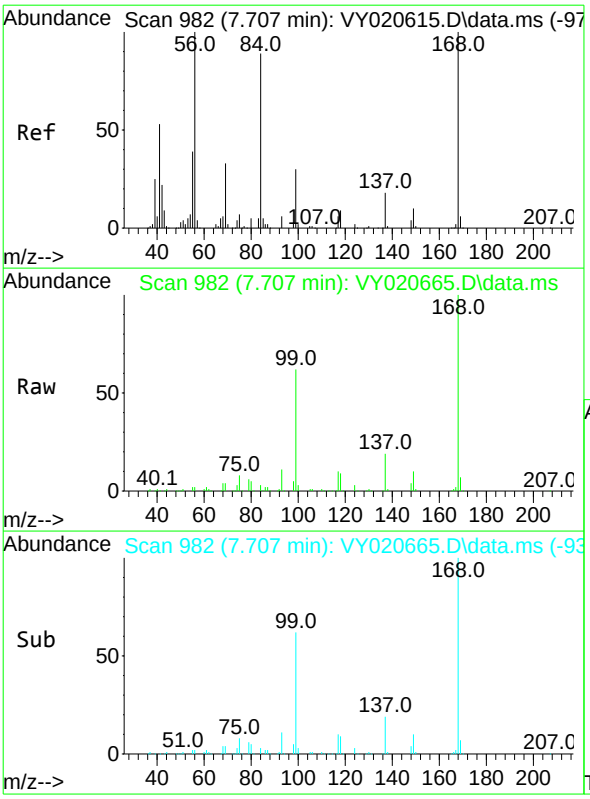
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020665.D
Acq On : 20 Dec 2024 11:24
Operator : SY/MD
Sample : VY1220SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBL01

Quant Time: Dec 20 18:08:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration



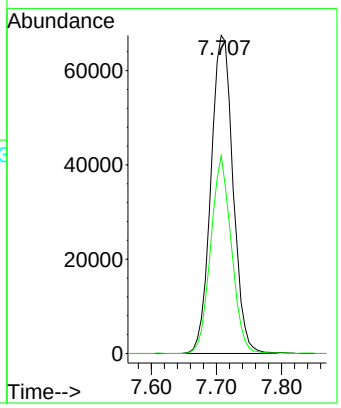


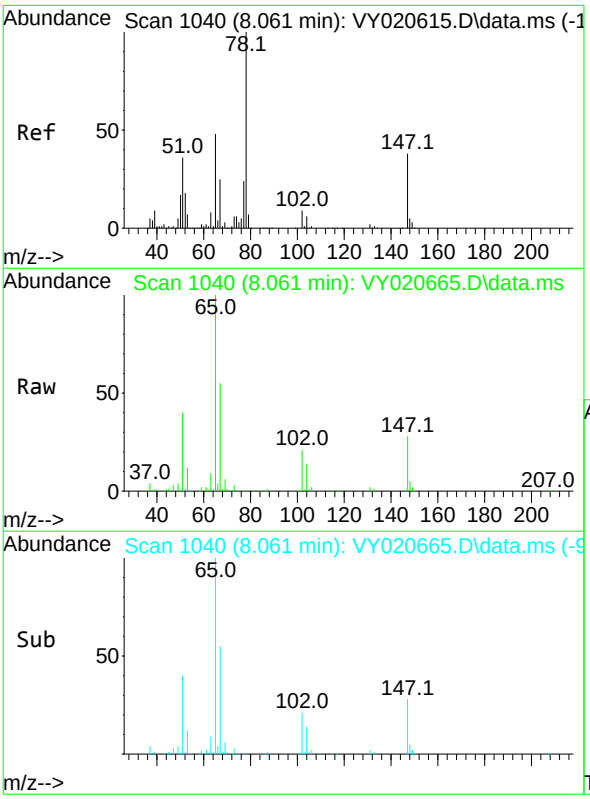
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020665.D
Acq: 20 Dec 2024 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBL01

Tgt Ion:168 Resp: 159056

Ion	Ratio	Lower	Upper
168	100		
99	62.1	47.0	70.6

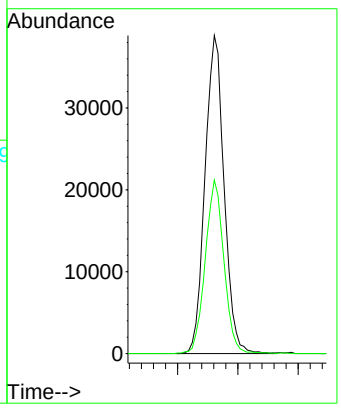


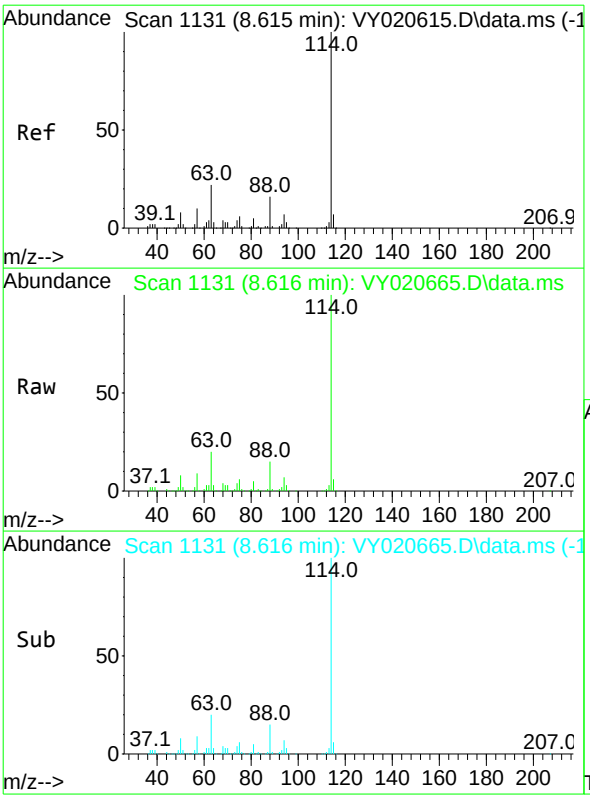


#33
1,2-Dichloroethane-d4
Concen: 49.052 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020665.D
Acq: 20 Dec 2024 11:24

Tgt Ion: 65 Resp: 85448

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	108.0



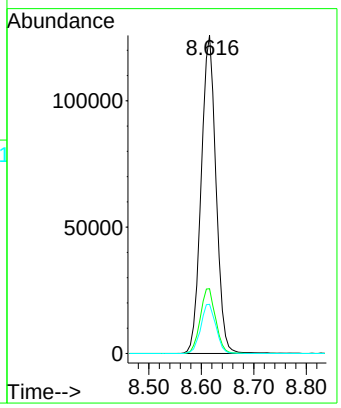


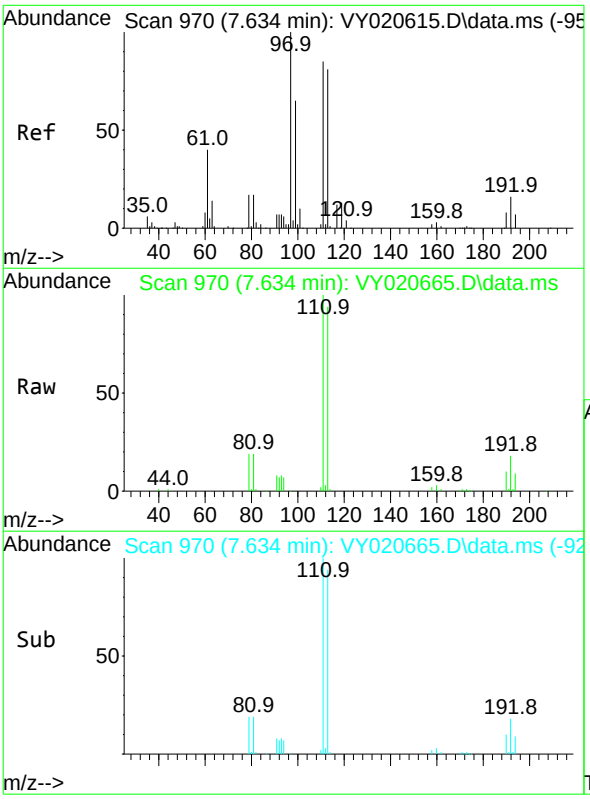
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020665.D
Acq: 20 Dec 2024 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBL01

Tgt Ion:114 Resp: 246351

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	44.0
88	15.5	0.0	32.8

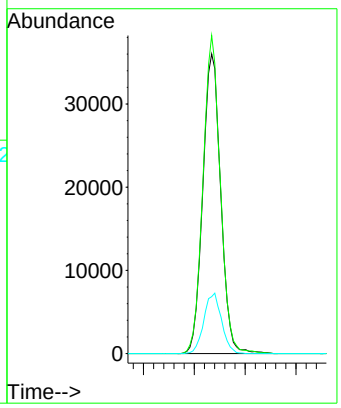


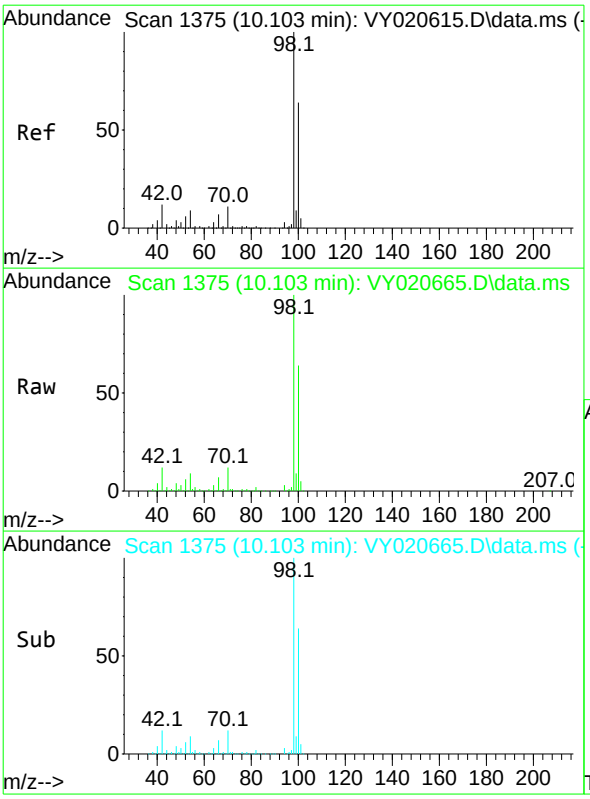


#35
Dibromofluoromethane
Concen: 50.730 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020665.D
Acq: 20 Dec 2024 11:24

Tgt Ion:113 Resp: 88079

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.9	124.3
192	19.9	15.7	23.5



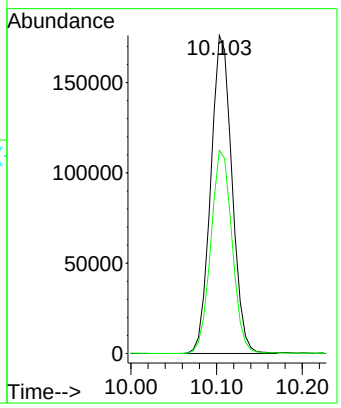


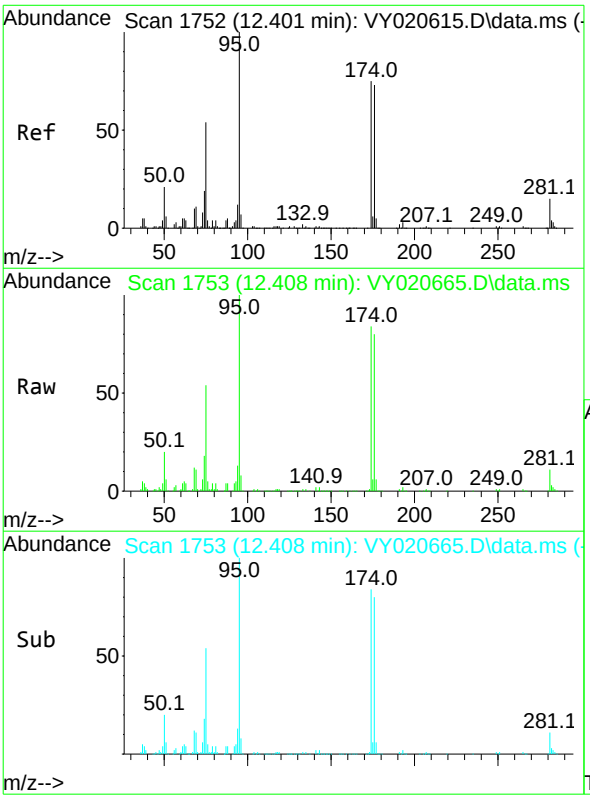
#50
Toluene-d8
Concen: 49.843 ug/l
RT: 10.103 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020665.D
Acq: 20 Dec 2024 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBL01

Tgt Ion: 98 Resp: 302895

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.1	78.1

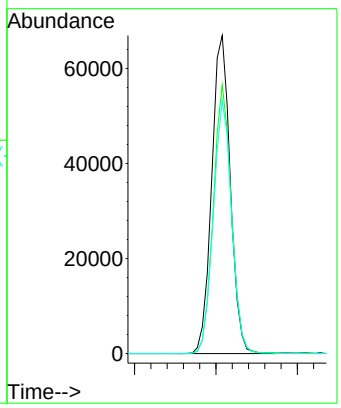


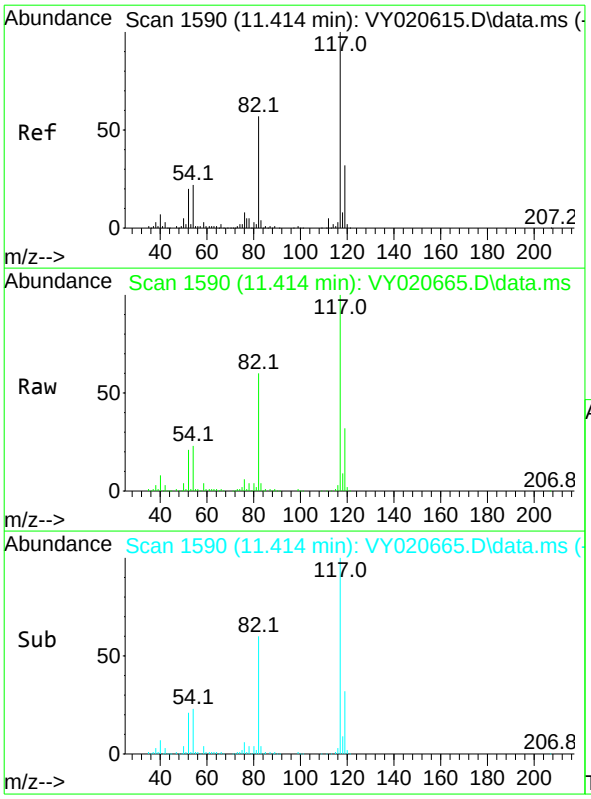


#62
4-Bromofluorobenzene
Concen: 44.544 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020665.D
Acq: 20 Dec 2024 11:24

Tgt Ion: 95 Resp: 105889

Ion	Ratio	Lower	Upper
95	100		
174	82.4	0.0	161.8
176	78.6	0.0	156.6



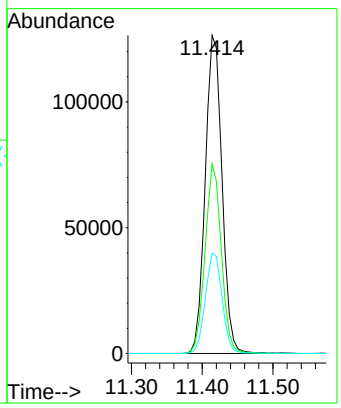


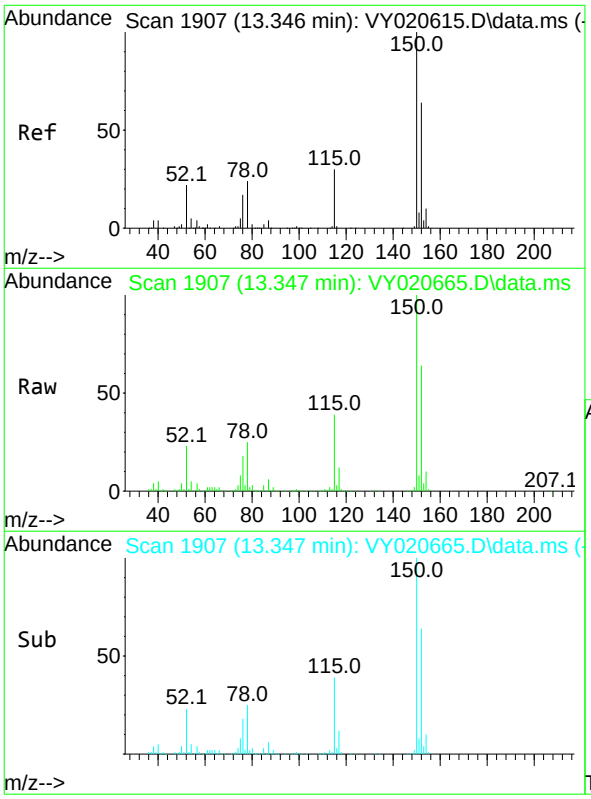
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020665.D
Acq: 20 Dec 2024 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBL01

Tgt Ion:117 Resp: 208495

Ion	Ratio	Lower	Upper
117	100		
82	59.6	45.8	68.6
119	31.5	25.3	37.9

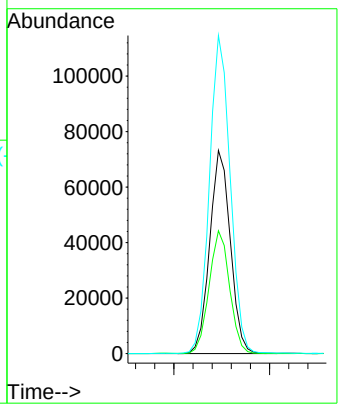




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020665.D
Acq: 20 Dec 2024 11:24

Tgt Ion:152 Resp: 109647

Ion	Ratio	Lower	Upper
152	100		
115	60.0	30.2	90.6
150	158.3	0.0	355.4



Sample Results: **VY020665.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020665.D
Acq On : 20 Dec 2024 11:24
Operator : SY/MD
Sample : VY1220SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Title : SW846 8260

Signal : TIC: VY020665.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.129	384	395	405	rBV	5709	18736	2.34%	0.392%
2	6.884	836	847	860	rBV	26192	83421	10.44%	1.746%
3	7.634	960	970	976	rBV2	122221	297782	37.25%	6.233%
4	7.707	976	982	993	rVB	208053	472375	59.09%	9.888%
5	8.061	1026	1040	1051	rBV2	129040	361255	45.19%	7.562%
6	8.616	1122	1131	1144	rBV	294341	581185	72.70%	12.165%
7	9.670	1298	1304	1311	rBV3	5152	10160	1.27%	0.213%
8	10.103	1368	1375	1384	rBV	464581	799421	100.00%	16.733%
9	10.506	1433	1441	1449	rBV	29707	56650	7.09%	1.186%
10	10.877	1496	1502	1513	rBV	26481	47166	5.90%	0.987%
11	11.249	1558	1563	1572	rVB2	11070	19501	2.44%	0.408%
12	11.414	1582	1590	1602	rBV	402164	656634	82.14%	13.745%
13	12.408	1746	1753	1764	rBV2	364555	607939	76.05%	12.725%
14	12.743	1803	1808	1813	rBV4	7191	16005	2.00%	0.335%
15	13.292	1890	1898	1901	rBV4	7125	11289	1.41%	0.236%
16	13.347	1901	1907	1915	rVV	448403	678752	84.91%	14.208%
17	13.889	1989	1996	2001	rBV2	22737	35935	4.50%	0.752%
18	14.919	2157	2165	2171	rBV4	4857	9183	1.15%	0.192%
19	15.230	2210	2216	2221	rBV2	8932	14001	1.75%	0.293%

Sum of corrected areas: 4777390

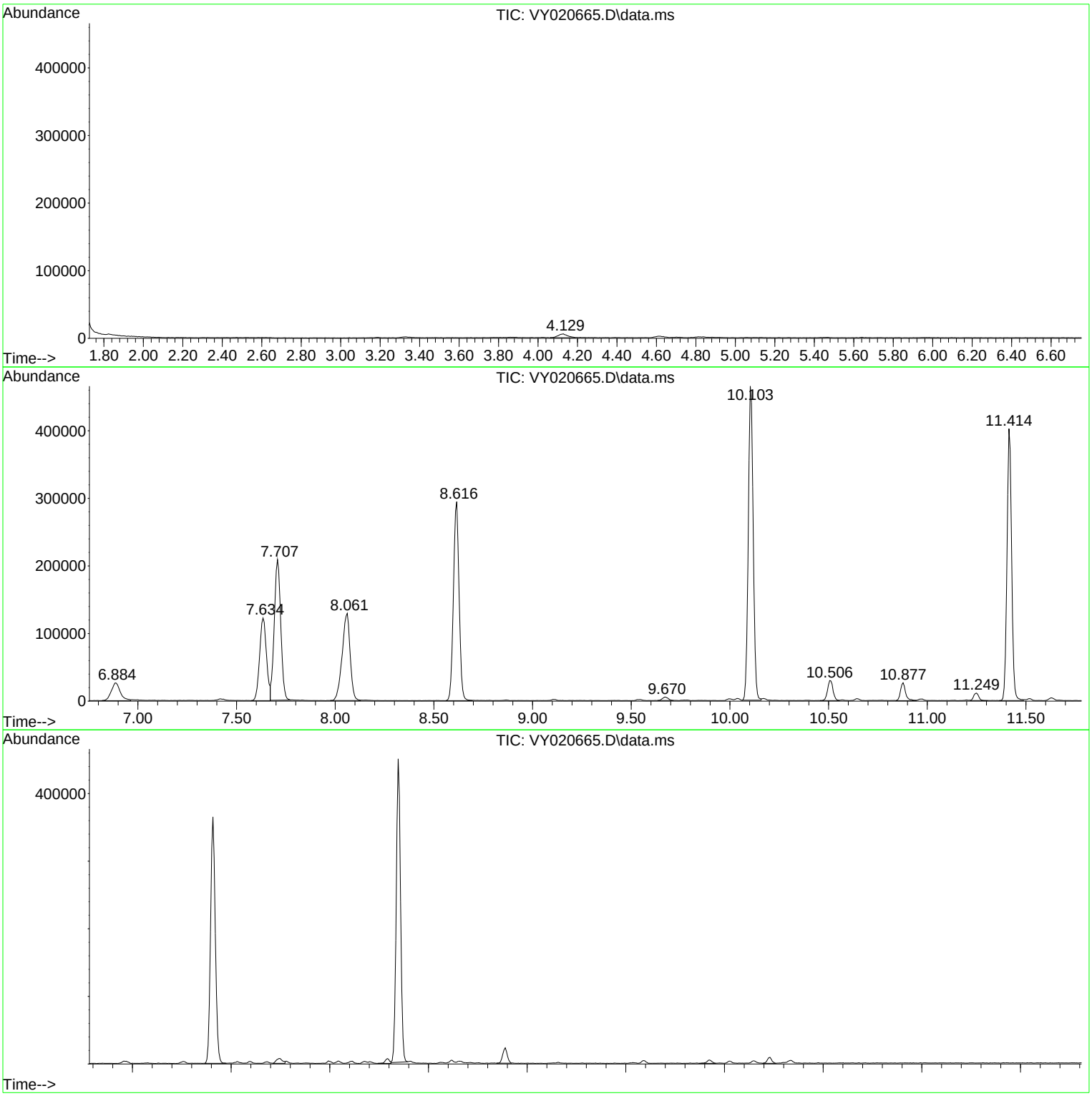
Sample Results: **VY020665.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020665.D
Acq On : 20 Dec 2024 11:24
Operator : SY/MD
Sample : VY1220SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020665.D
Acq On : 20 Dec 2024 11:24
Operator : SY/MD
Sample : VY1220SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020665.D
Acq On : 20 Dec 2024 11:24
Operator : SY/MD
Sample : VY1220SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

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

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

Raw Data: **VY020714.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VY1226SBL01	SDG No.:	P5316
Lab Sample ID:	VY1226SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY020714.D	1		12/26/24 13:56	VY122624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-01-4	Vinyl Chloride	2.50	U	0.77	2.50	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	2.50	U	0.78	2.50	5.00	ug/Kg
67-64-1	Acetone	20.0	U	6.20	20.0	25.0	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.50	U	0.67	2.50	5.00	ug/Kg
75-09-2	Methylene Chloride	8.00	U	3.40	8.00	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.50	U	0.84	2.50	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	2.50	U	0.63	2.50	5.00	ug/Kg
78-93-3	2-Butanone	20.0	U	5.70	20.0	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	2.50	U	0.87	2.50	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.50	U	0.61	2.50	5.00	ug/Kg
67-66-3	Chloroform	4.00	U	0.67	4.00	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.50	U	0.78	2.50	5.00	ug/Kg
71-43-2	Benzene	2.50	U	0.72	2.50	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	2.50	U	0.61	2.50	5.00	ug/Kg
79-01-6	Trichloroethene	2.50	U	0.75	2.50	5.00	ug/Kg
108-88-3	Toluene	2.50	U	0.67	2.50	5.00	ug/Kg
127-18-4	Tetrachloroethene	2.50	U	0.89	2.50	5.00	ug/Kg
108-90-7	Chlorobenzene	2.50	U	0.74	2.50	5.00	ug/Kg
100-41-4	Ethyl Benzene	2.50	U	0.62	2.50	5.00	ug/Kg
1330-20-7	Total Xylenes	7.50	U	2.10	7.50	15.0	ug/Kg
103-65-1	n-propylbenzene	2.50	U	0.64	2.50	5.00	ug/Kg
98-06-6	tert-Butylbenzene	2.50	U	0.67	2.50	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	2.50	U	1.40	2.50	5.00	ug/Kg
135-98-8	sec-Butylbenzene	2.50	U	0.67	2.50	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.50	U	0.74	2.50	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.50	U	0.80	2.50	5.00	ug/Kg
104-51-8	n-Butylbenzene	2.50	U	0.63	2.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.50	U	0.59	2.50	5.00	ug/Kg
123-91-1	1,4-Dioxane	80.0	U	42.5	80.0	100	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	64.7		71 - 136		129%	SPK: 50

Raw Data: **VY020714.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VY1226SBL01	SDG No.:	P5316
Lab Sample ID:	VY1226SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY020714.D	1		12/26/24 13:56	VY122624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1868-53-7	Dibromofluoromethane	57.6		78 - 119		115%	SPK: 50
2037-26-5	Toluene-d8	52.6		85 - 116		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		79 - 119		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	99500	7.719				
540-36-3	1,4-Difluorobenzene	157000	8.622				
3114-55-4	Chlorobenzene-d5	134000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	56300	13.352				

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020714.D
Acq On : 26 Dec 2024 13:56
Operator : SY/MD
Sample : VY1226SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBL01

Quant Time: Dec 26 16:15:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	99549	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	157271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	133794	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	56315	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	52717	64.652	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 129.300%			
35) Dibromofluoromethane	7.640	113	49885	57.586	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.180%			
50) Toluene-d8	10.109	98	181408	52.569	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.140%			
62) 4-Bromofluorobenzene	12.407	95	58692	50.981	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 101.960%			
Target Compounds						Qvalue

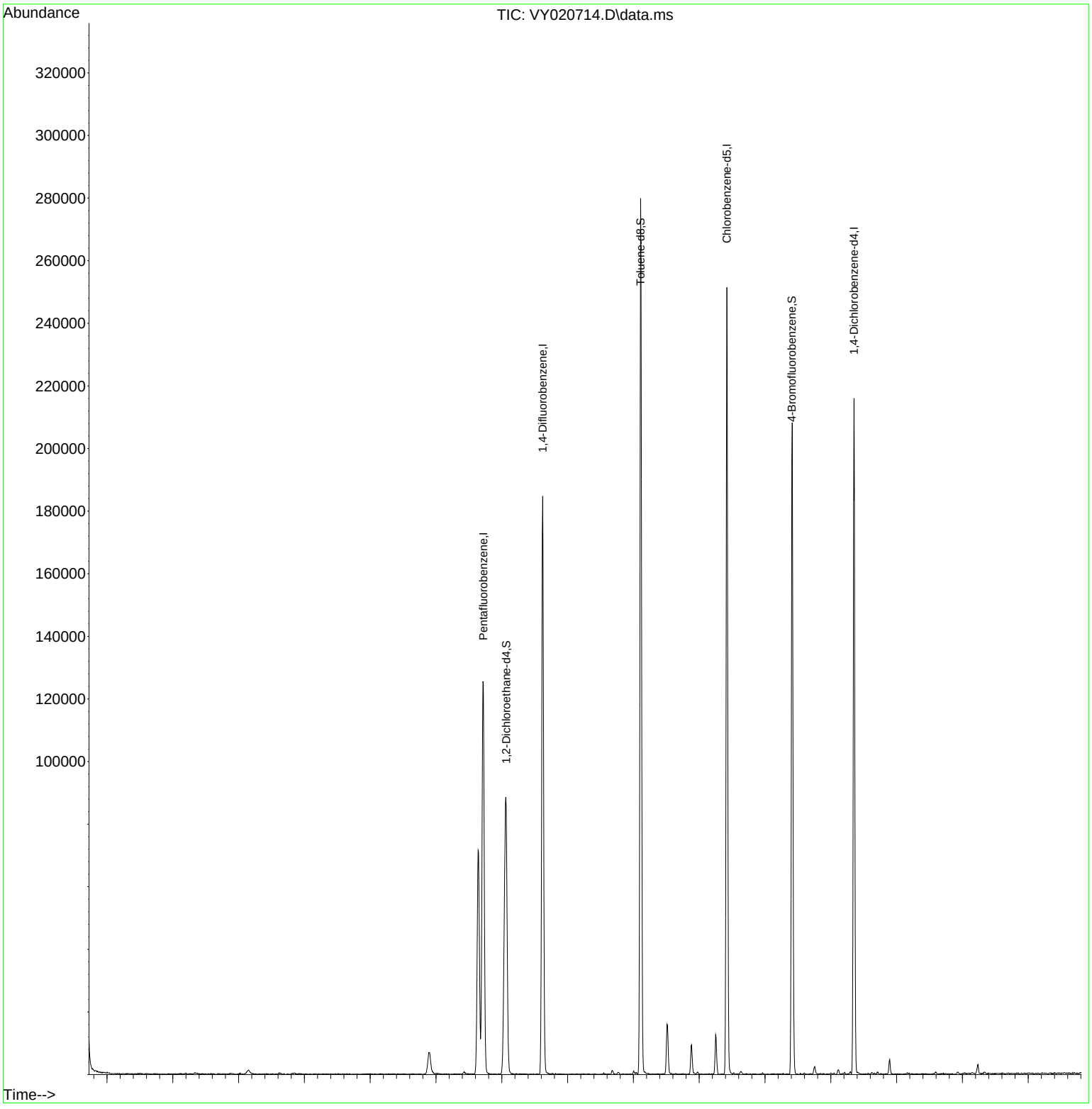
(#) = qualifier out of range (m) = manual integration (+) = signals summed

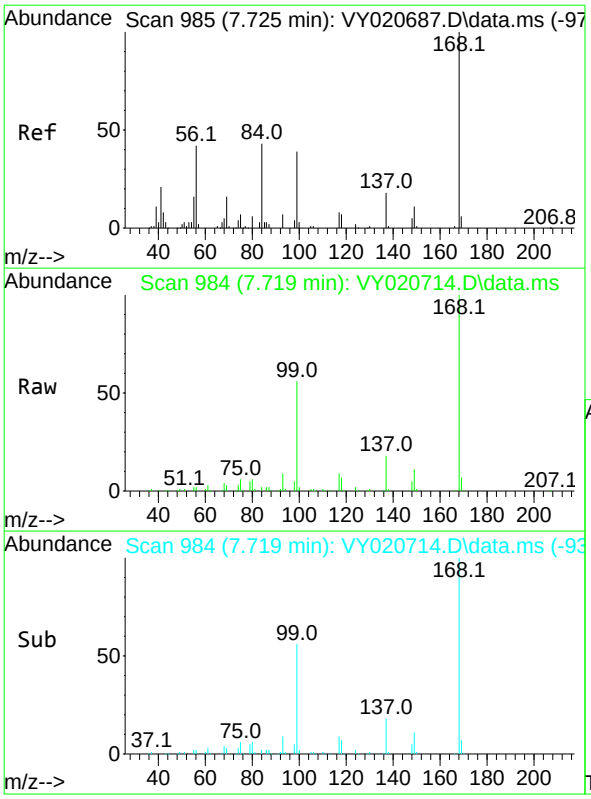
Sample Results: **VY020714.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020714.D
Acq On : 26 Dec 2024 13:56
Operator : SY/MD
Sample : VY1226SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBL01

Quant Time: Dec 26 16:15:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration



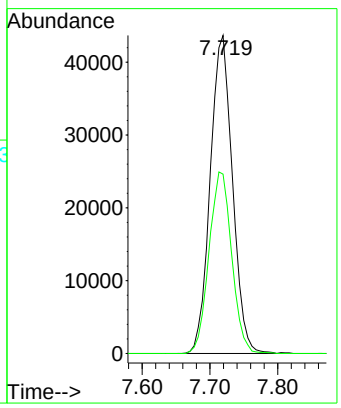


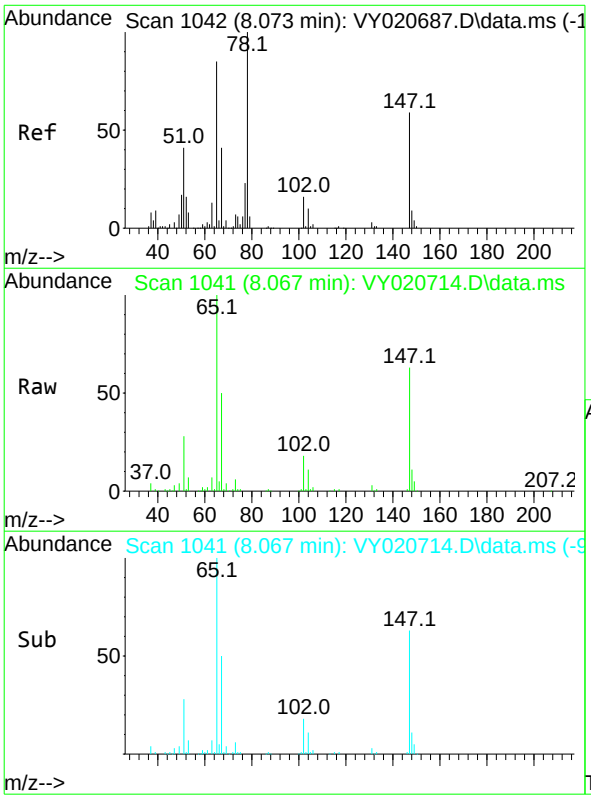
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020714.D
Acq: 26 Dec 2024 13:56

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBL01

Tgt Ion:168 Resp: 99549

Ion	Ratio	Lower	Upper
168	100		
99	56.4	43.8	65.6

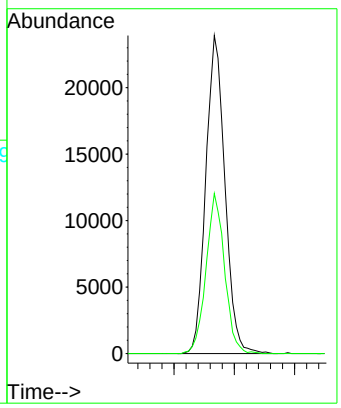


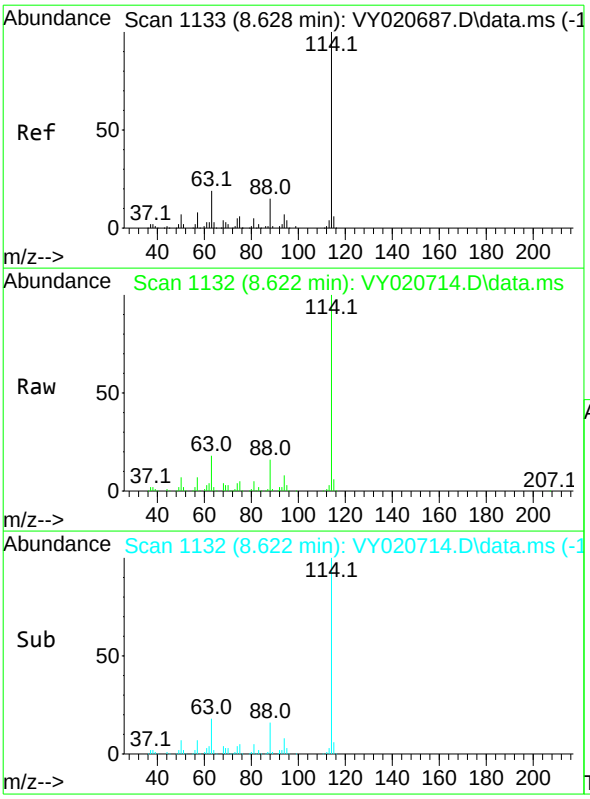


#33
1,2-Dichloroethane-d4
Concen: 64.652 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VY020714.D
Acq: 26 Dec 2024 13:56

Tgt Ion: 65 Resp: 52717

Ion	Ratio	Lower	Upper
65	100		
67	48.8	0.0	98.0



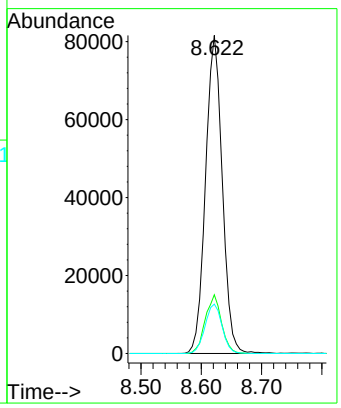


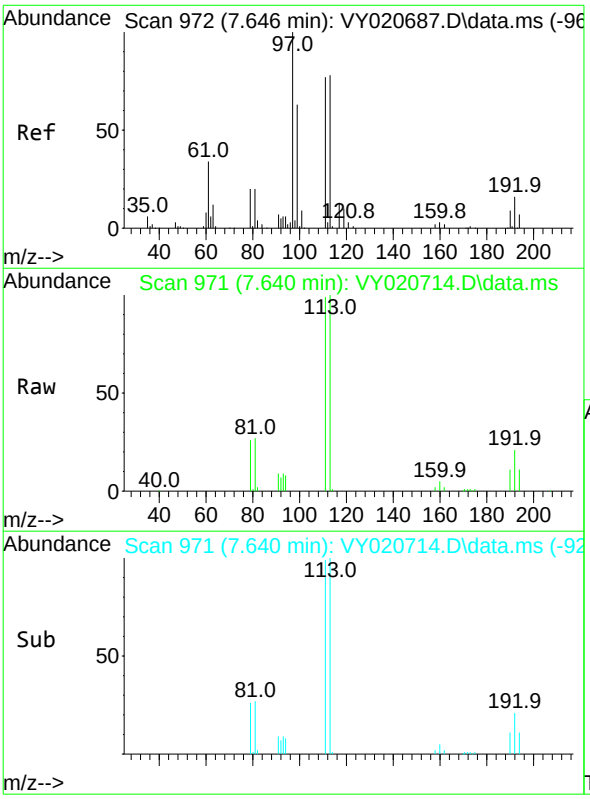
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020714.D
Acq: 26 Dec 2024 13:56

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBL01

Tgt Ion:114 Resp: 157271

Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	38.4
88	15.5	0.0	30.4

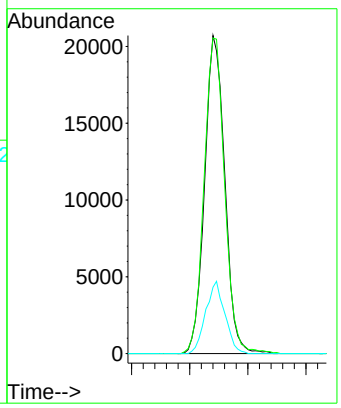


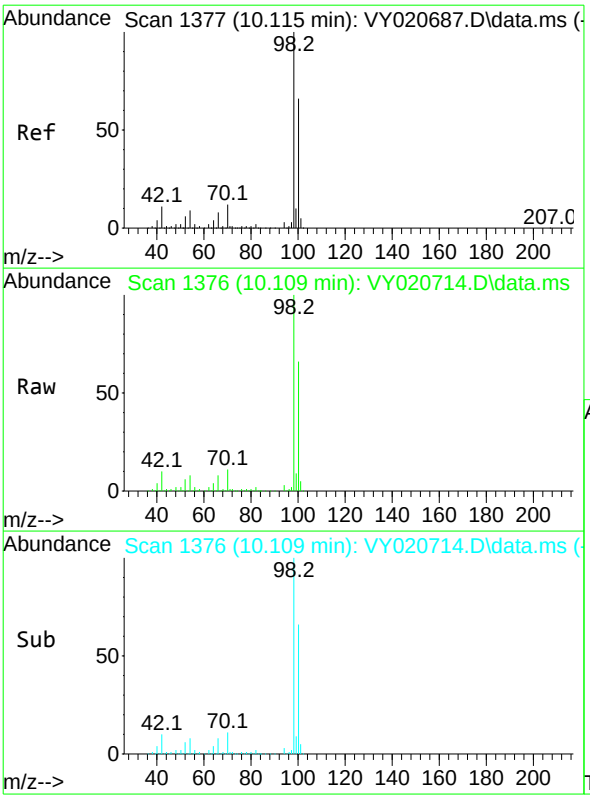


#35
Dibromofluoromethane
Concen: 57.586 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.006 min
Lab File: VY020714.D
Acq: 26 Dec 2024 13:56

Tgt Ion:113 Resp: 49885

Ion	Ratio	Lower	Upper
113	100		
111	101.3	79.8	119.8
192	21.7	17.0	25.6



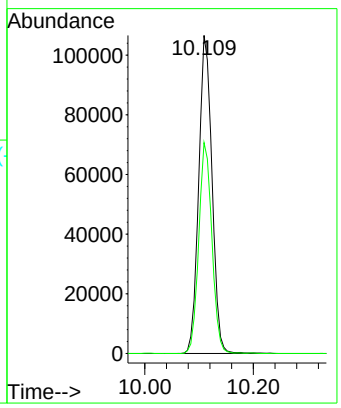


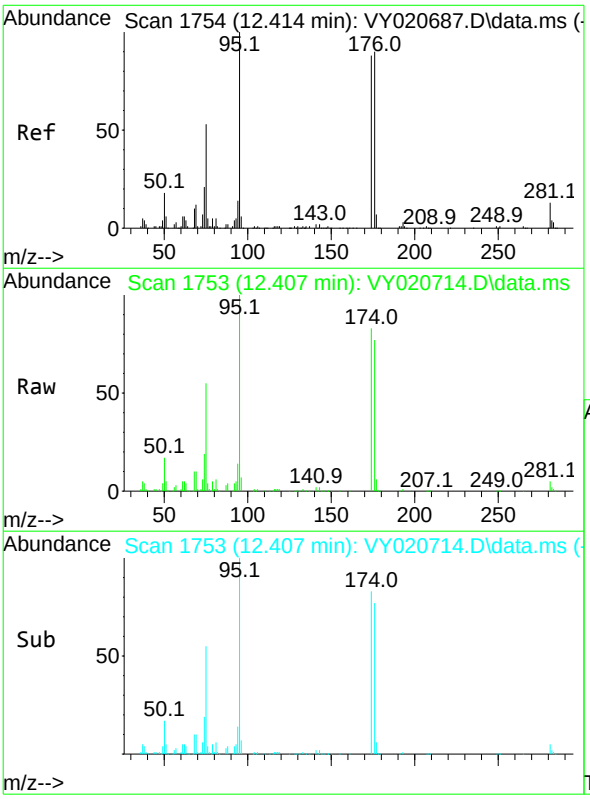
#50
Toluene-d8
Concen: 52.569 ug/l
RT: 10.109 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY020714.D
Acq: 26 Dec 2024 13:56

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBL01

Tgt Ion: 98 Resp: 181408

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.2	78.4

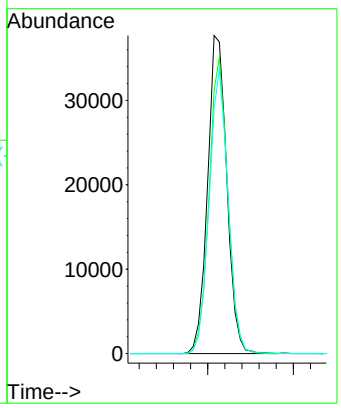


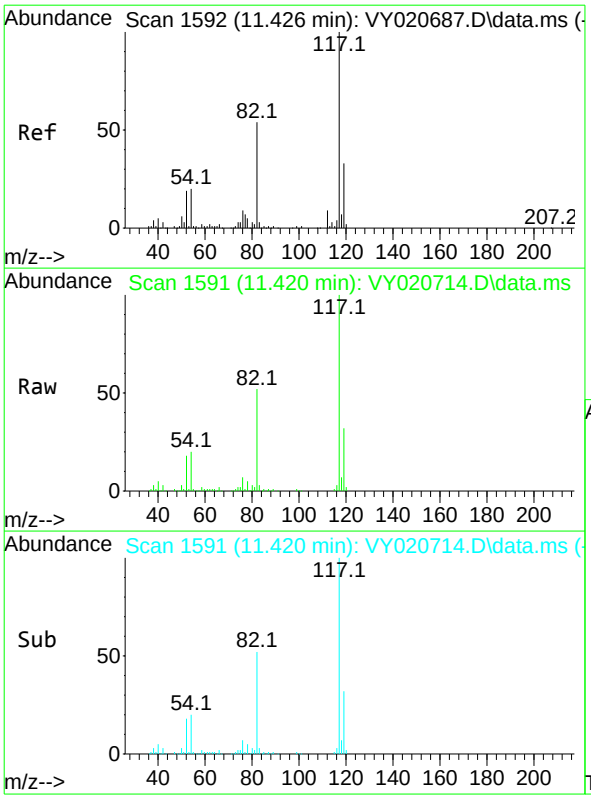


#62
4-Bromofluorobenzene
Concen: 50.981 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.007 min
Lab File: VY020714.D
Acq: 26 Dec 2024 13:56

Tgt Ion: 95 Resp: 58692

Ion	Ratio	Lower	Upper
95	100		
174	90.7	0.0	179.2
176	87.5	0.0	179.8



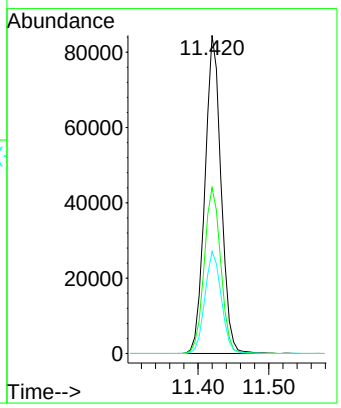


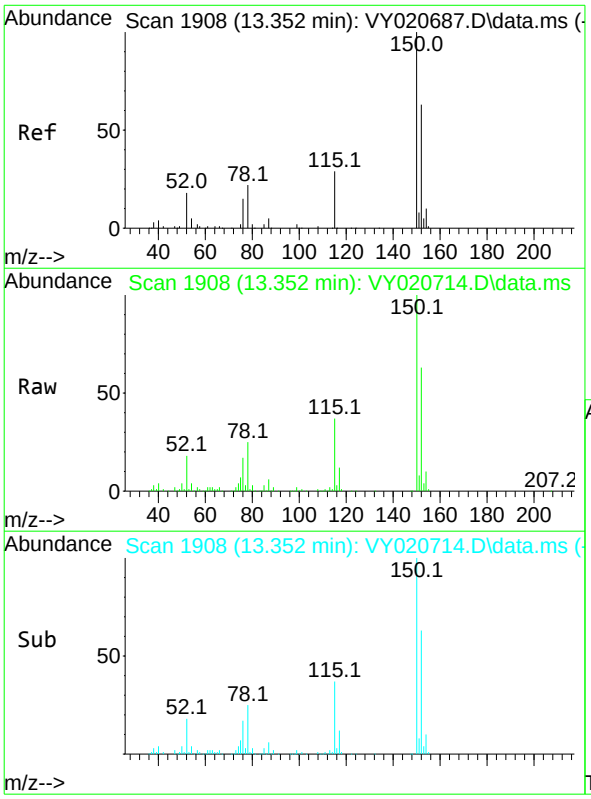
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020714.D
Acq: 26 Dec 2024 13:56

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBL01

Tgt Ion:117 Resp: 133794

Ion	Ratio	Lower	Upper
117	100		
82	52.2	43.4	65.2
119	32.1	26.6	39.8

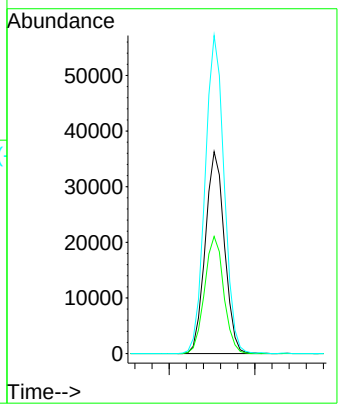




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY020714.D
Acq: 26 Dec 2024 13:56

Tgt Ion:152 Resp: 56315

Ion	Ratio	Lower	Upper
152	100		
115	57.9	30.3	90.9
150	156.9	0.0	349.0



Sample Results: **VY020714.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020714.D
Acq On : 26 Dec 2024 13:56
Operator : SY/MD
Sample : VY1226SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Title : SW846 8260

Signal : TIC: VY020714.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.153	387	399	407	rBV2	1364	4907	1.03%	0.177%
2	6.890	839	848	863	rBV2	6976	23049	4.84%	0.831%
3	7.640	961	971	977	rBV	71538	173067	36.31%	6.243%
4	7.713	977	983	997	rVB	125354	295011	61.90%	10.642%
5	8.061	1026	1040	1054	rBV2	88564	269033	56.45%	9.705%
6	8.622	1122	1132	1146	rBV	184725	361491	75.85%	13.040%
7	10.109	1369	1376	1386	rBV	279931	476616	100.00%	17.192%
8	10.511	1435	1442	1451	rBV	15917	30724	6.45%	1.108%
9	10.883	1497	1503	1512	rBV	9482	16811	3.53%	0.606%
10	11.249	1558	1563	1570	rVB2	12542	20144	4.23%	0.727%
11	11.420	1584	1591	1606	rVB	251298	407391	85.48%	14.695%
12	12.414	1747	1754	1764	rBV2	208200	343331	72.04%	12.385%
13	12.755	1803	1810	1819	rBV4	2506	4941	1.04%	0.178%
14	13.352	1901	1908	1916	rBV	215797	334229	70.13%	12.056%
15	13.895	1991	1997	2001	rVB2	4585	6730	1.41%	0.243%
16	15.236	2211	2217	2221	rBV2	2981	4770	1.00%	0.172%

Sum of corrected areas: 2772245

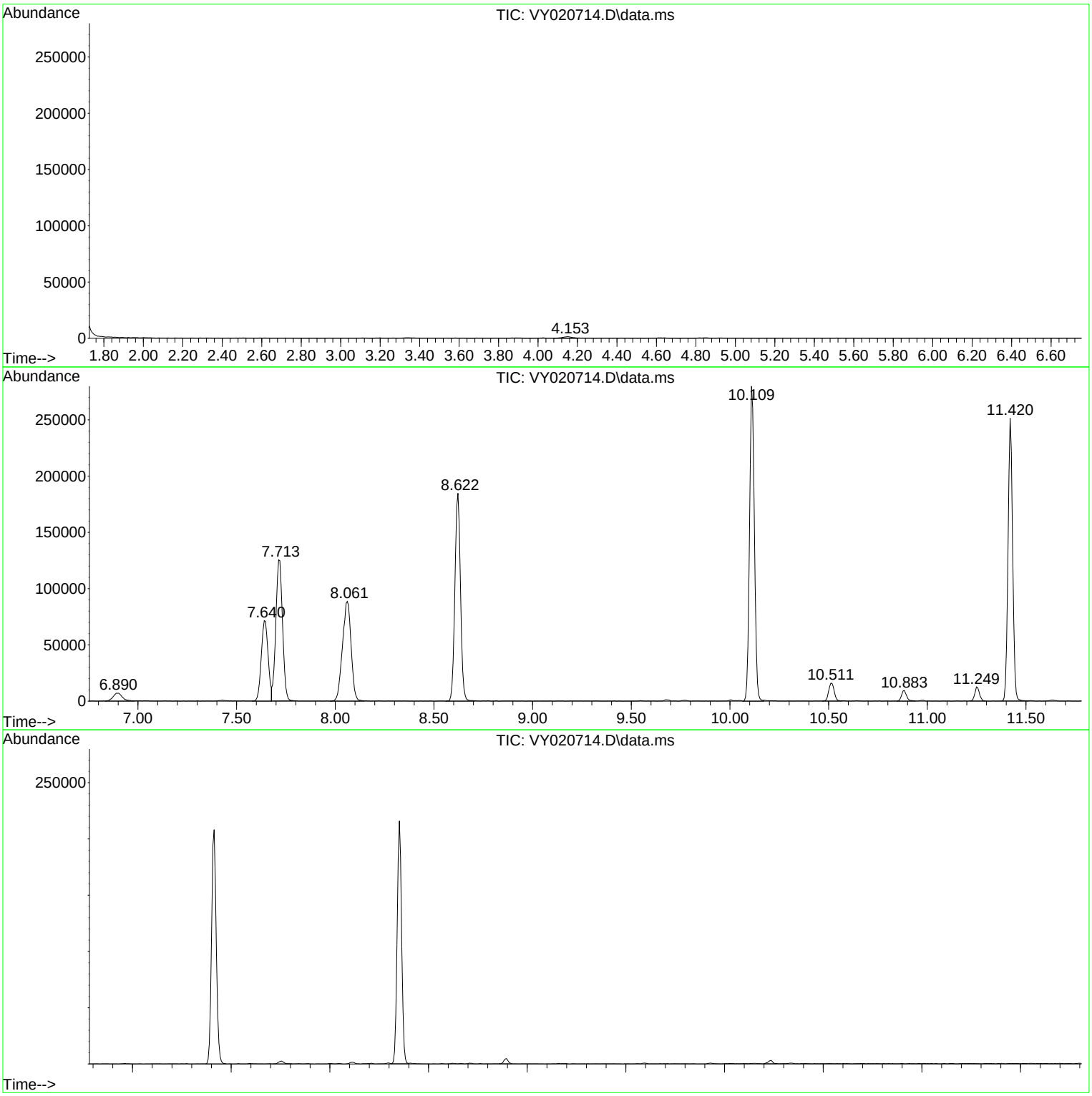
Sample Results: **VY020714.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020714.D
Acq On : 26 Dec 2024 13:56
Operator : SY/MD
Sample : VY1226SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY020714.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020714.D
Acq On : 26 Dec 2024 13:56
Operator : SY/MD
Sample : VY1226SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020714.D
Acq On : 26 Dec 2024 13:56
Operator : SY/MD
Sample : VY1226SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260

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

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

Raw Data: **VY020666.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VY1220SBS01	SDG No.:	P5316
Lab Sample ID:	VY1220SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY020666.D	1		12/20/24 13:12	VY122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-01-4	Vinyl Chloride	15.8		0.77	2.50	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	16.1		0.78	2.50	5.00	ug/Kg
67-64-1	Acetone	63.0		6.20	20.0	25.0	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.9		0.67	2.50	5.00	ug/Kg
75-09-2	Methylene Chloride	17.7		3.40	8.00	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.5		0.84	2.50	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.4		0.63	2.50	5.00	ug/Kg
78-93-3	2-Butanone	91.7		5.70	20.0	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	22.4		0.87	2.50	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.9		0.61	2.50	5.00	ug/Kg
67-66-3	Chloroform	19.1		0.67	4.00	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.7		0.78	2.50	5.00	ug/Kg
71-43-2	Benzene	22.1		0.72	2.50	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.0		0.61	2.50	5.00	ug/Kg
79-01-6	Trichloroethene	21.9		0.75	2.50	5.00	ug/Kg
108-88-3	Toluene	22.1		0.67	2.50	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.9		0.89	2.50	5.00	ug/Kg
108-90-7	Chlorobenzene	22.3		0.74	2.50	5.00	ug/Kg
100-41-4	Ethyl Benzene	22.2		0.62	2.50	5.00	ug/Kg
1330-20-7	Total Xylenes	66.9		2.10	7.50	15.0	ug/Kg
103-65-1	n-propylbenzene	22.0		0.64	2.50	5.00	ug/Kg
98-06-6	tert-Butylbenzene	20.9		0.67	2.50	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	24.5		1.40	2.50	5.00	ug/Kg
135-98-8	sec-Butylbenzene	21.8		0.67	2.50	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.6		0.74	2.50	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.6		0.80	2.50	5.00	ug/Kg
104-51-8	n-Butylbenzene	22.3		0.63	2.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.5		0.59	2.50	5.00	ug/Kg
123-91-1	1,4-Dioxane	370		42.5	80.0	100	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.1		71 - 136		86%	SPK: 50

Raw Data: **VY020666.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VY1220SBS01	SDG No.:	P5316
Lab Sample ID:	VY1220SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY020666.D	1		12/20/24 13:12	VY122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1868-53-7	Dibromofluoromethane	46.1		78 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	46.6		85 - 116		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.2		79 - 119		88%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	157000	7.713				
540-36-3	1,4-Difluorobenzene	237000	8.615				
3114-55-4	Chlorobenzene-d5	208000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	117000	13.352				

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020666.D
Acq On : 20 Dec 2024 13:12
Operator : SY/MD
Sample : VY1220SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 20 18:08:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.713	168	157442	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.615	114	237485	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	207752	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	116933	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	74322	43.102	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 86.200%				
35) Dibromofluoromethane	7.634	113	77189	46.118	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.240%				
50) Toluene-d8	10.109	98	273250	46.643	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.280%				
62) 4-Bromofluorobenzene	12.407	95	101336	44.220	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 88.440%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	46496	23.644	ug/l		99
3) Chloromethane	2.074	50	24398	16.744	ug/l		97
4) Vinyl Chloride	2.208	62	21407	15.785	ug/l		97
5) Bromomethane	2.598	94	12985	14.895	ug/l		97
6) Chloroethane	2.732	64	11282	13.462	ug/l		91
7) Trichlorofluoromethane	3.062	101	47245	16.649	ug/l		98
8) Diethyl Ether	3.458	74	13504	13.569	ug/l		95
9) 1,1,2-Trichlorotrifluo...	3.824	101	32580	16.018	ug/l		94
10) Methyl Iodide	4.007	142	38530	17.014	ug/l		98
11) Tert butyl alcohol	4.854	59	18773	80.656	ug/l	#	94
12) 1,1-Dichloroethene	3.793	96	31773	16.099	ug/l		94
13) Acrolein	3.659	56	5627	69.014	ug/l		97
14) Allyl chloride	4.385	41	56459	16.326	ug/l		96
15) Acrylonitrile	5.061	53	46605	97.887	ug/l		99
16) Acetone	3.872	43	23242	63.034	ug/l		99
17) Carbon Disulfide	4.110	76	111849	17.411	ug/l		99
18) Methyl Acetate	4.385	43	17854	15.218	ug/l		97
19) Methyl tert-butyl Ether	5.122	73	101223	19.872	ug/l		97
20) Methylene Chloride	4.616	84	38027	17.737	ug/l		98
21) trans-1,2-Dichloroethene	5.116	96	47558	21.482	ug/l		97
22) Diisopropyl ether	6.018	45	147396	20.998	ug/l		94
23) Vinyl Acetate	5.963	43	401517	100.993	ug/l		99
24) 1,1-Dichloroethane	5.915	63	87971	21.392	ug/l		99
25) 2-Butanone	6.896	43	58734	91.655	ug/l		98
26) 2,2-Dichloropropane	6.884	77	82041	21.104	ug/l		99
27) cis-1,2-Dichloroethene	6.896	96	53177	20.878	ug/l		99
28) Bromochloromethane	7.250	49	23622	17.030	ug/l		100
29) Tetrahydrofuran	7.268	42	38523	95.228	ug/l		99
30) Chloroform	7.427	83	92559	19.148	ug/l		97
31) Cyclohexane	7.701	56	83030	21.116	ug/l		98
32) 1,1,1-Trichloroethane	7.622	97	81959	21.694	ug/l		99
36) 1,1-Dichloropropene	7.835	75	67060	21.973	ug/l	#	91
37) Ethyl Acetate	6.988	43	26953	18.775	ug/l		97
38) Carbon Tetrachloride	7.823	117	75634	22.399	ug/l		99
39) Methylcyclohexane	9.109	83	87624	22.028	ug/l		98
40) Benzene	8.079	78	197331	22.058	ug/l		100

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Acq On : 20 Dec 2024 13:12
Operator : SY/MD
Sample : VY1220SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 20 18:08:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	14883	19.610	ug/l		93
42) 1,2-Dichloroethane	8.158	62	49803	20.991	ug/l		100
43) Isopropyl Acetate	8.201	43	54326	19.989	ug/l		99
44) Trichloroethene	8.865	130	48185	21.921	ug/l		95
45) 1,2-Dichloropropane	9.140	63	45779	21.896	ug/l		99
46) Dibromomethane	9.231	93	23641	21.396	ug/l		96
47) Bromodichloromethane	9.426	83	63960	21.429	ug/l		99
48) Methyl methacrylate	9.219	41	25905	20.050	ug/l		99
49) 1,4-Dioxane	9.225	88	4698	370.747	ug/l	#	93
51) 4-Methyl-2-Pentanone	9.999	43	135892	94.726	ug/l		99
52) Toluene	10.170	92	122615	22.055	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	89982	32.354	ug/l		94
54) cis-1,3-Dichloropropene	9.859	75	70570	21.413	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	30195	20.669	ug/l		98
56) Ethyl methacrylate	10.438	69	42515	20.060	ug/l		99
57) 1,3-Dichloropropane	10.713	76	66722	25.621	ug/l	#	42
58) 2-Chloroethyl Vinyl ether	9.713	63	91434	102.533	ug/l	#	71
59) 2-Hexanone	10.761	43	90691	98.464	ug/l		97
60) Dibromochloromethane	10.914	129	41185	21.080	ug/l		100
61) 1,2-Dibromoethane	11.017	107	28561	21.018	ug/l		99
64) Tetrachloroethene	10.646	164	42833	21.919	ug/l		92
65) Chlorobenzene	11.444	112	129331	22.264	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	43055	21.675	ug/l		97
67) Ethyl Benzene	11.517	91	238433	22.248	ug/l		98
68) m/p-Xylenes	11.627	106	178050	44.684	ug/l	#	30
69) o-Xylene	11.956	106	82478	22.185	ug/l		99
70) Styrene	11.969	104	136494	21.974	ug/l		99
71) Bromoform	12.133	173	23329	20.889	ug/l	#	98
73) Isopropylbenzene	12.255	105	221703	21.727	ug/l		99
74) N-amyl acetate	12.072	43	47848	20.036	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	34416	20.778	ug/l		97
76) 1,2,3-Trichloropropane	12.560	75	27051m	22.270	ug/l		
77) Bromobenzene	12.536	156	47306	21.282	ug/l		98
78) n-propylbenzene	12.596	91	270238	21.981	ug/l		99
79) 2-Chlorotoluene	12.682	91	150281	21.727	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	180725	21.827	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	11746	20.297	ug/l		99
82) 4-Chlorotoluene	12.779	91	156322	21.784	ug/l		99
83) tert-Butylbenzene	12.999	119	156978	20.934	ug/l		97
84) 1,2,4-Trimethylbenzene	13.048	105	199323	24.542	ug/l		95
85) sec-Butylbenzene	13.176	105	237258	21.761	ug/l		100
86) p-Isopropyltoluene	13.291	119	198272	22.057	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	94820	21.610	ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	94077	21.648	ug/l		98
89) n-Butylbenzene	13.621	91	189919	22.293	ug/l		100
90) Hexachloroethane	13.883	117	38301	21.500	ug/l		99
91) 1,2-Dichlorobenzene	13.663	146	81571	21.456	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	9414	35.007	ug/l		57
93) 1,2,4-Trichlorobenzene	14.925	180	49266	21.424	ug/l		98
94) Hexachlorobutadiene	15.029	225	32852	21.854	ug/l		99
95) Naphthalene	15.151	128	80228	20.350	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	41397	21.307	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020666.D
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Operator : SY/MD
Sample : VY1220SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 20 18:08:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020666.D
Acq On : 20 Dec 2024 13:12
Operator : SY/MD
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Quant Time: Dec 20 18:08:25 2024
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Instrument :
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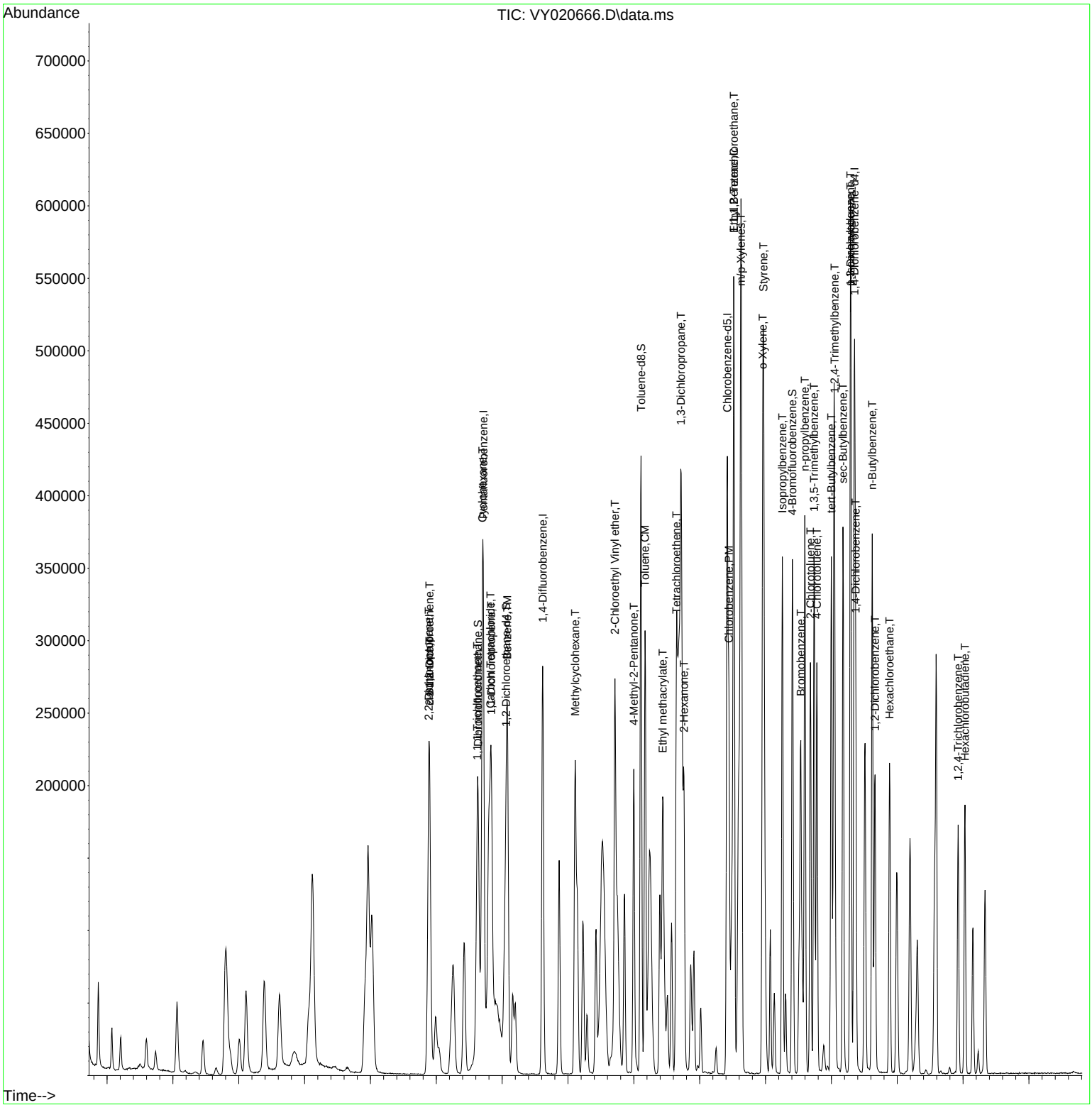
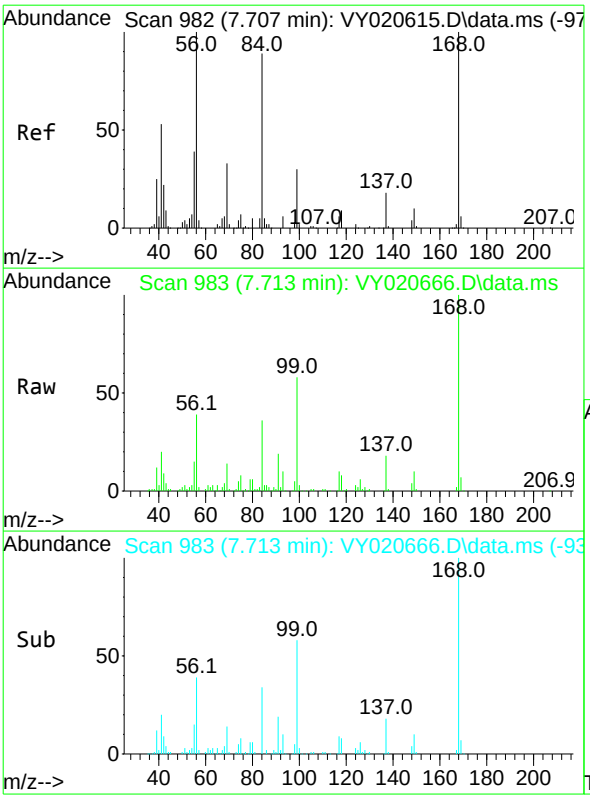
ClientSampleId :
VY1220SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

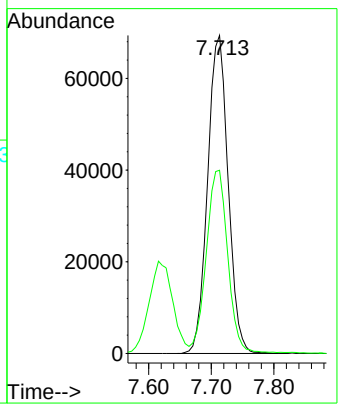




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:168 Resp: 157442

Ion	Ratio	Lower	Upper
168	100		
99	57.3	47.0	70.6



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Manual Integrations
APPROVED

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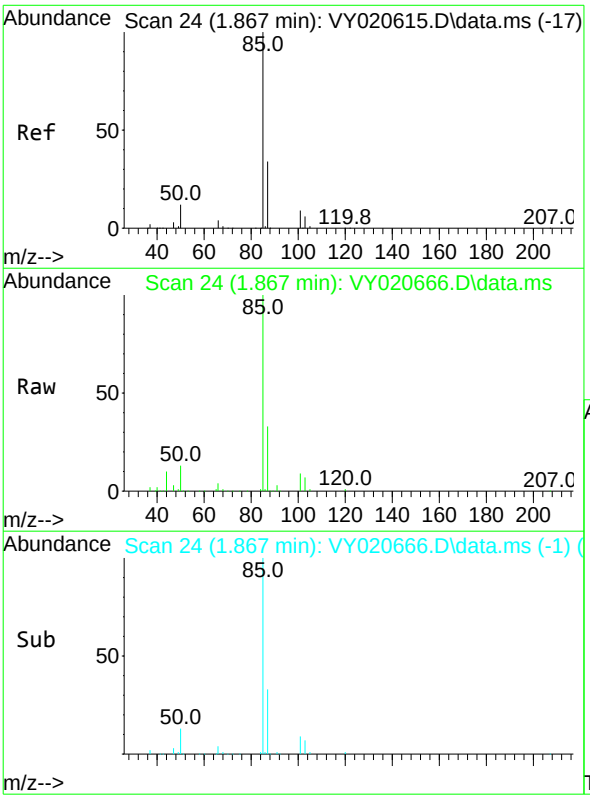
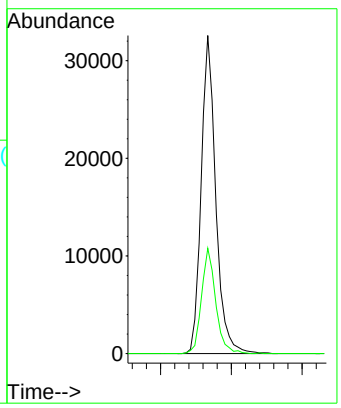
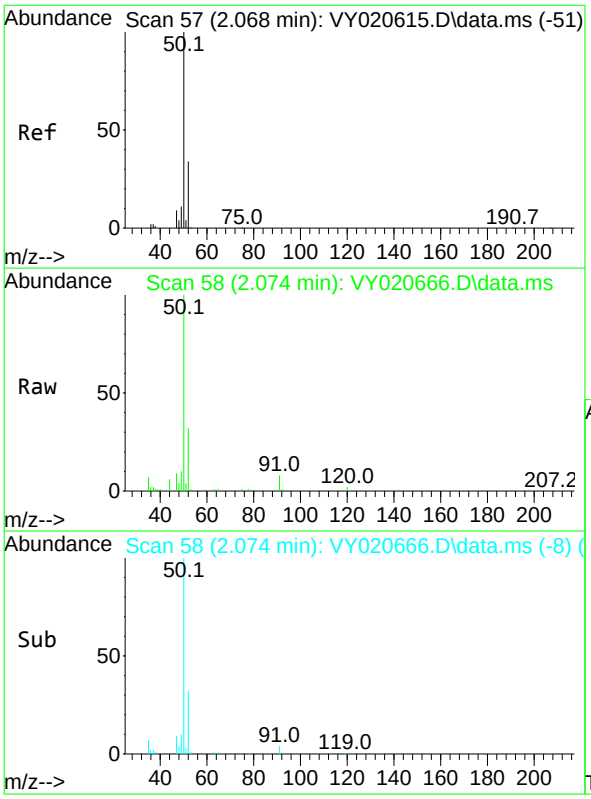


#2
Dichlorodifluoromethane
Concen: 23.644 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 85 Resp: 46496

Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.8	50.3

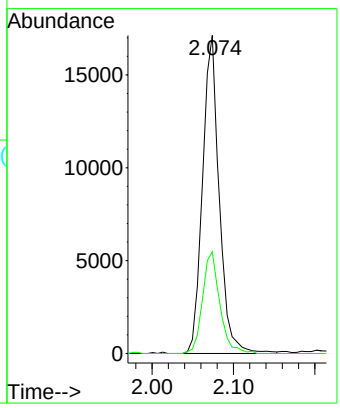




#3
Chloromethane
Concen: 16.744 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 50 Resp: 24398

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.8	40.2



Instrument :
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ClientSampleId :
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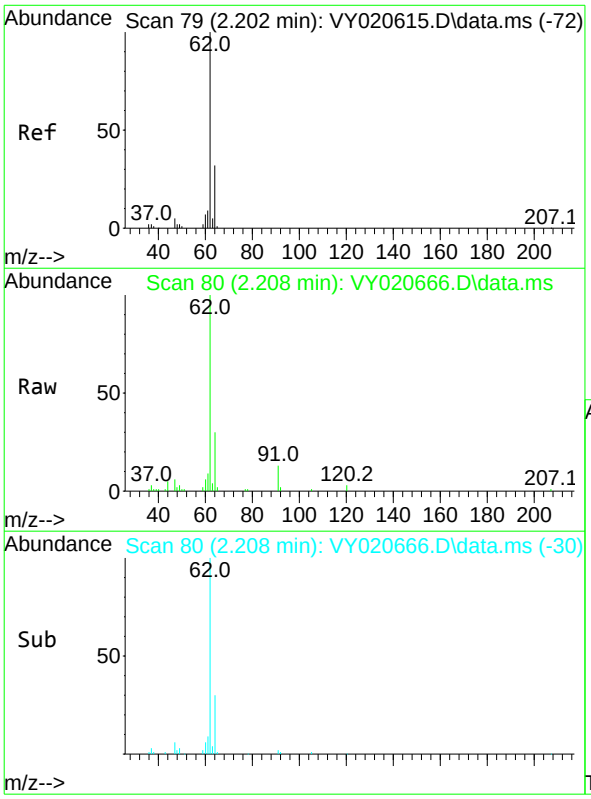
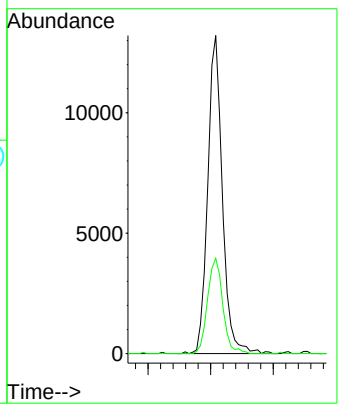
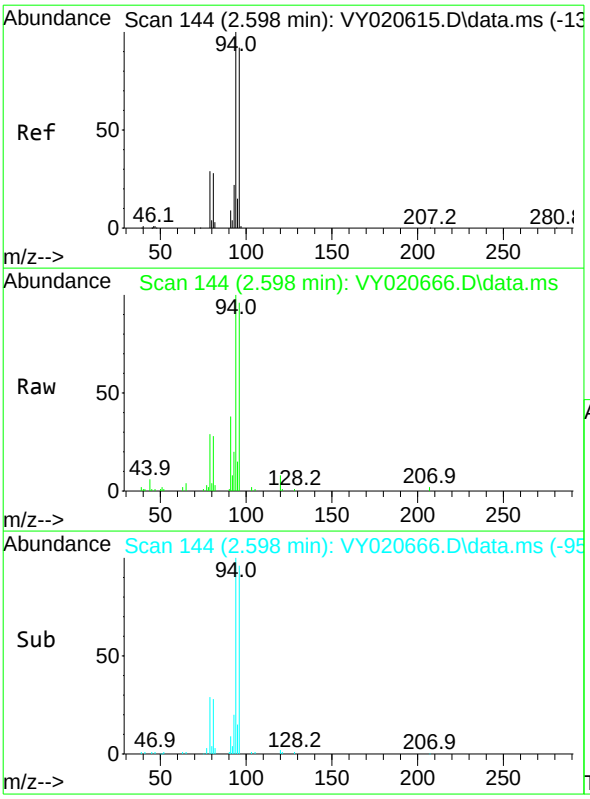


#4
Vinyl Chloride
Concen: 15.785 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 62 Resp: 21407

Ion	Ratio	Lower	Upper
62	100		
64	29.9	25.3	37.9

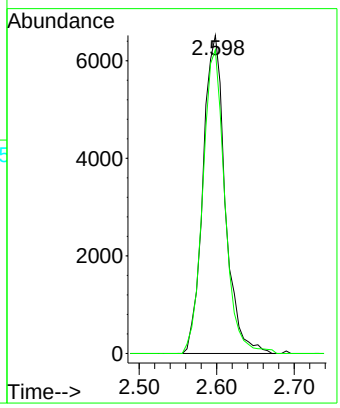




#5
Bromomethane
Concen: 14.895 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 94 Resp: 12985

Ion	Ratio	Lower	Upper
94	100		
96	95.5	73.8	110.6



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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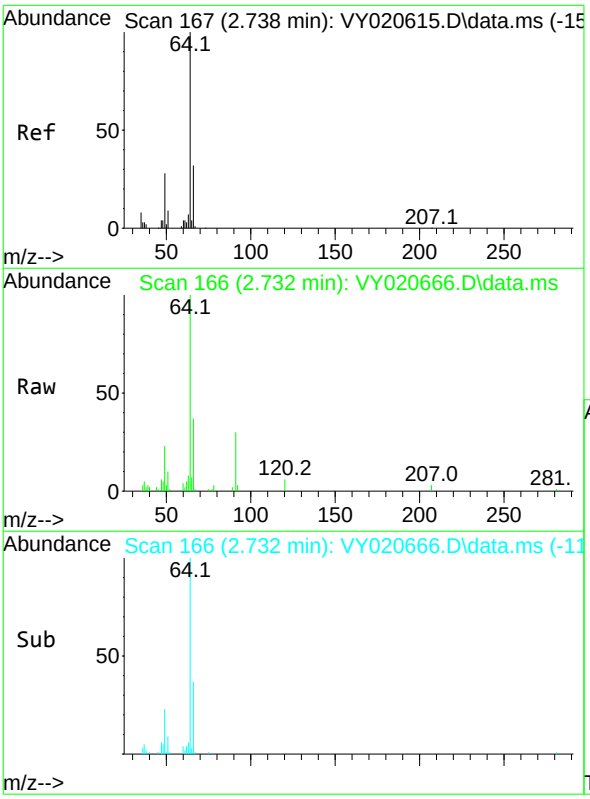
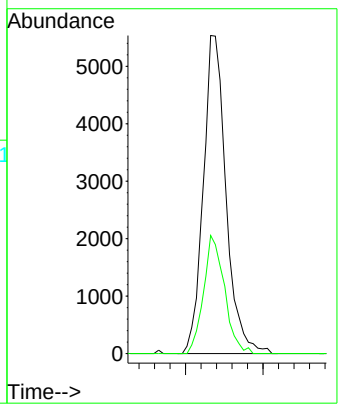
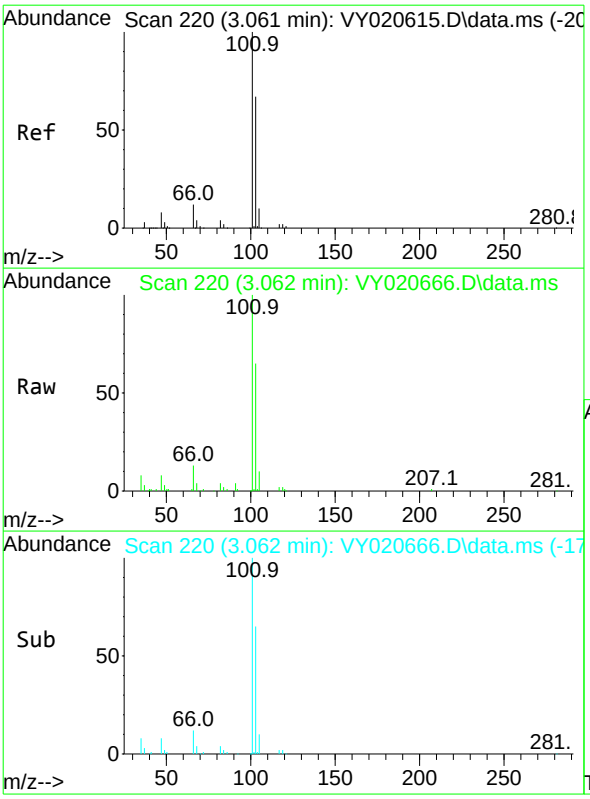


#6
Chloroethane
Concen: 13.462 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 64 Resp: 11282

Ion	Ratio	Lower	Upper
64	100		
66	37.1	25.8	38.6

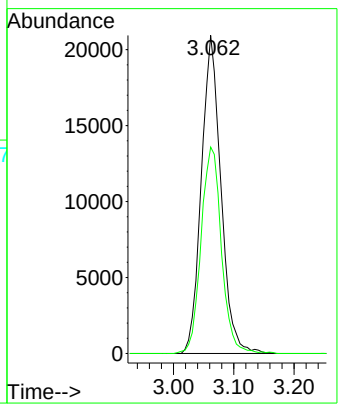




#7
Trichlorofluoromethane
Concen: 16.649 ug/l
RT: 3.062 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:101 Resp: 47245

Ion	Ratio	Lower	Upper
101	100		
103	64.9	53.4	80.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Manual Integrations
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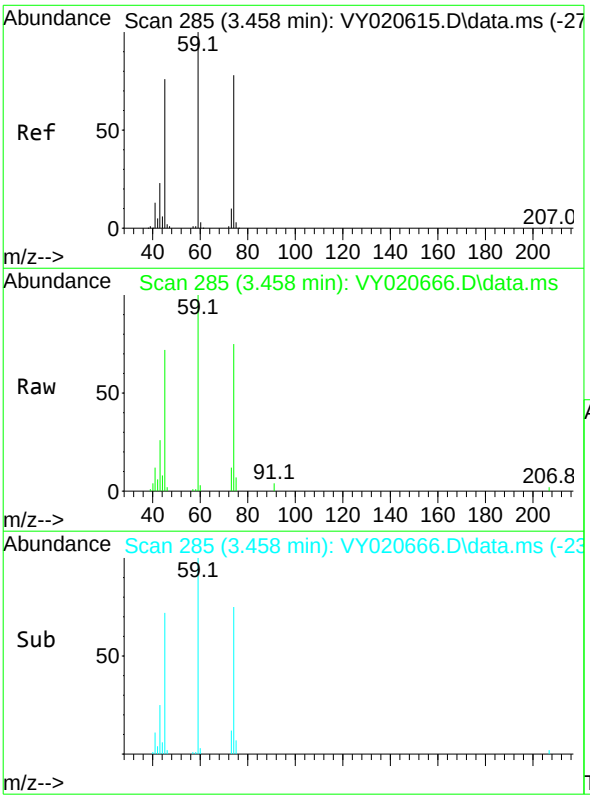
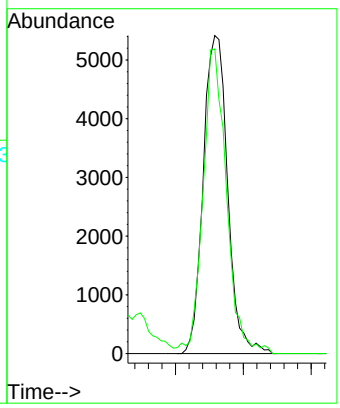
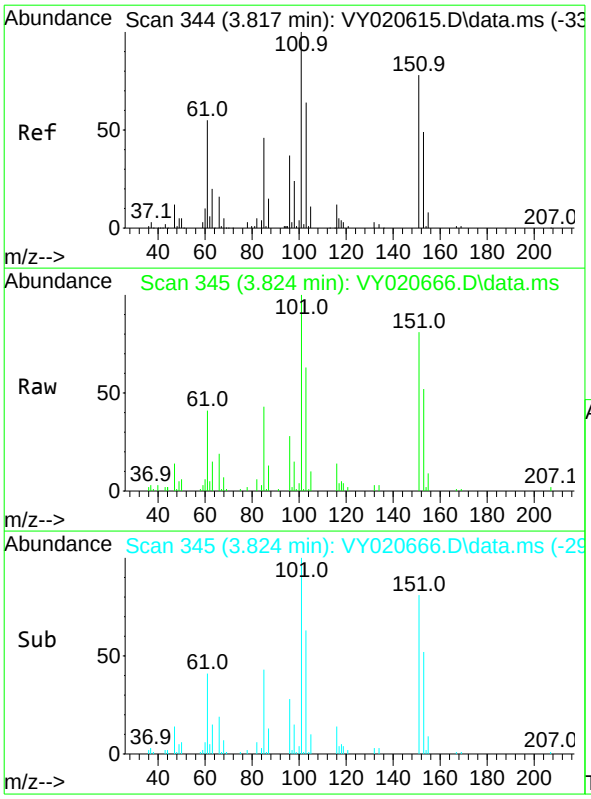


#8
Diethyl Ether
Concen: 13.569 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 74 Resp: 13504

Ion	Ratio	Lower	Upper
74	100		
45	92.8	49.0	147.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 16.018 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

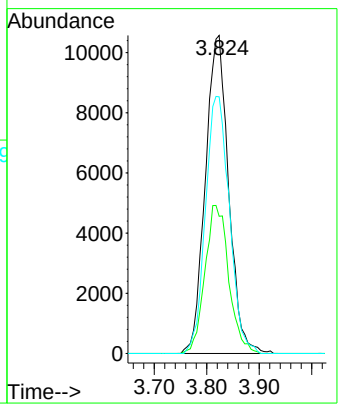
Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

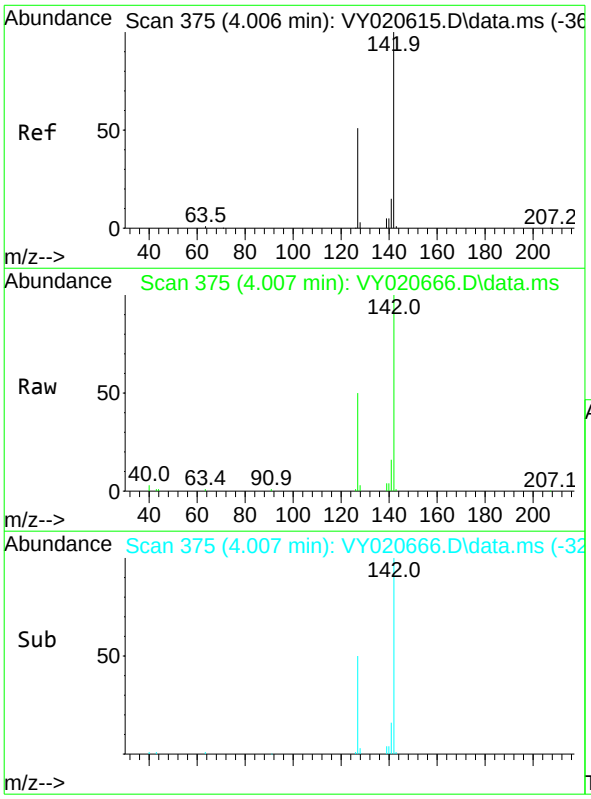
Tgt Ion:101 Resp: 32580

Ion	Ratio	Lower	Upper
101	100		
85	47.6	36.6	54.8
151	83.2	61.5	92.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

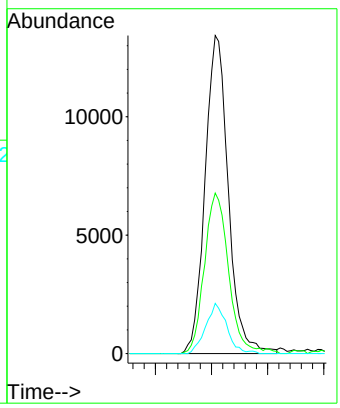


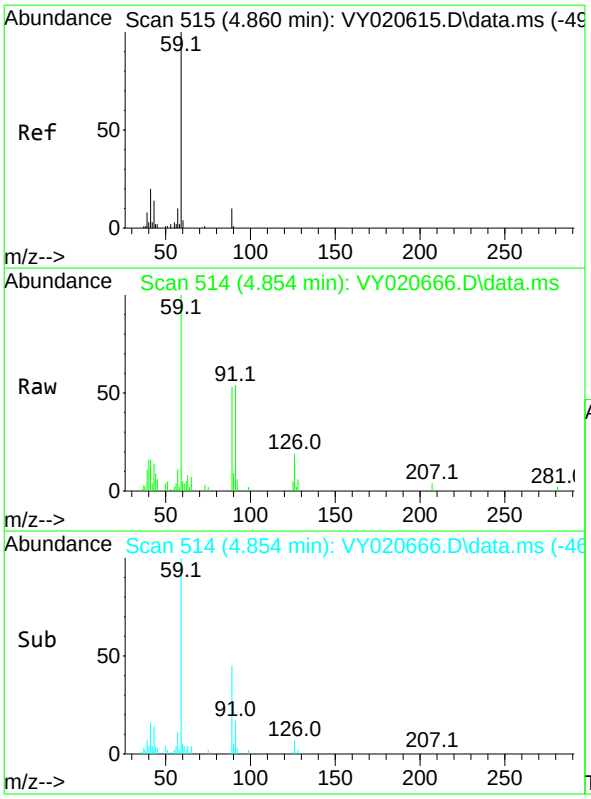


#10
Methyl Iodide
Concen: 17.014 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.001 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:142 Resp: 38530

Ion	Ratio	Lower	Upper
142	100		
127	52.2	40.6	61.0
141	14.4	11.7	17.5

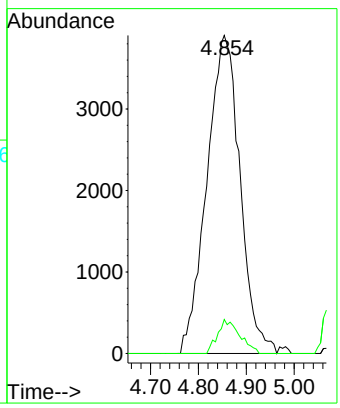




#11
Tert butyl alcohol
Concen: 80.656 ug/l
RT: 4.854 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 59 Resp: 18773

Ion	Ratio	Lower	Upper
59	100		
57	7.1	7.4	11.0#



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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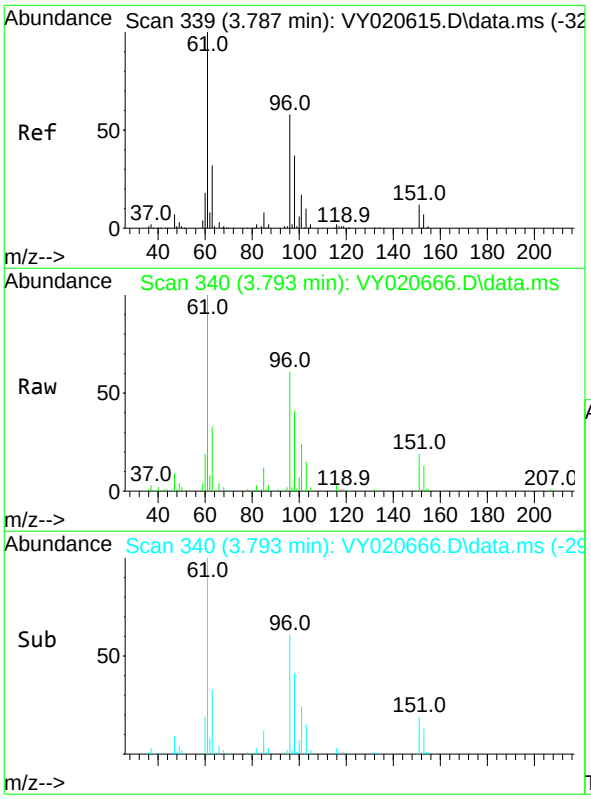
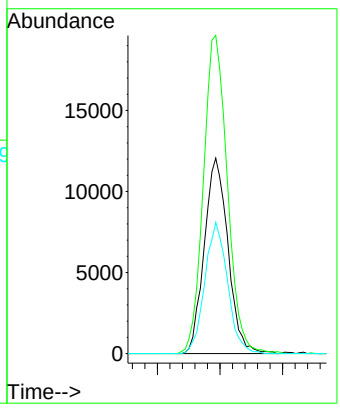
Supervised By :Mahesh Dadoda 12/24/2024

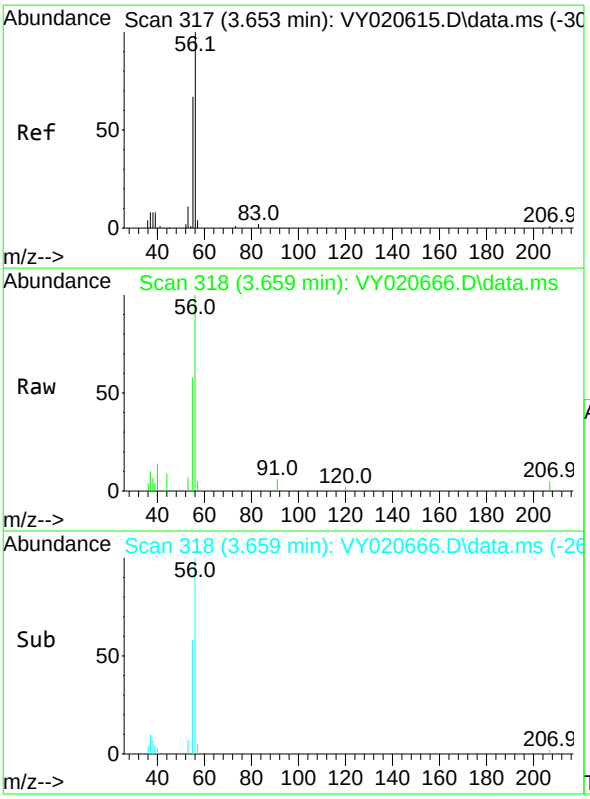


#12
1,1-Dichloroethene
Concen: 16.099 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 96 Resp: 31773

Ion	Ratio	Lower	Upper
96	100		
61	162.7	136.9	205.3
98	67.1	50.2	75.4

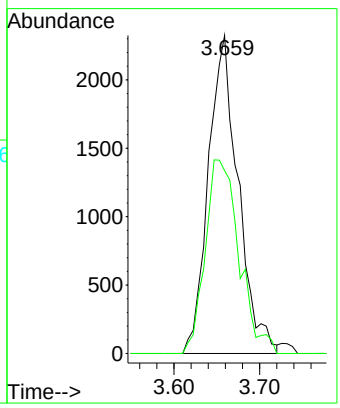




#13
Acrolein
Concen: 69.014 ug/l
RT: 3.659 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 56 Resp: 5627

Ion	Ratio	Lower	Upper
56	100		
55	69.1	57.5	86.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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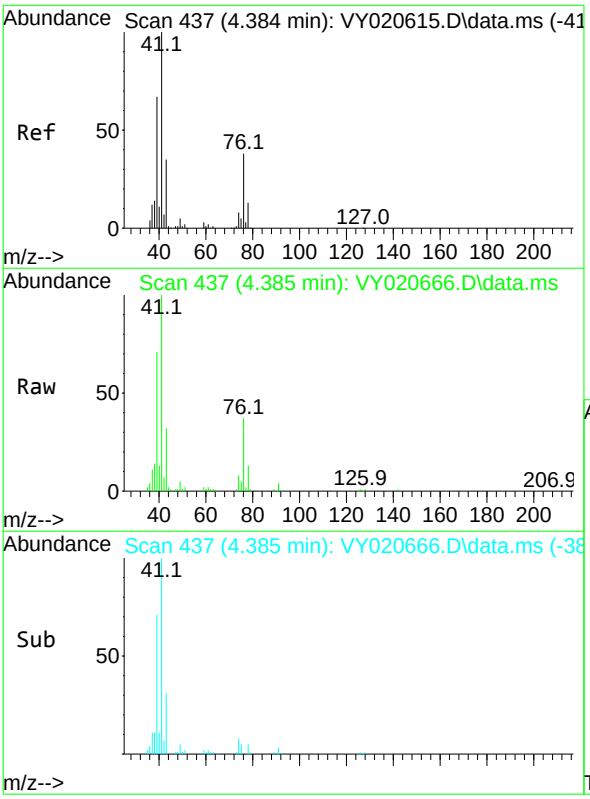
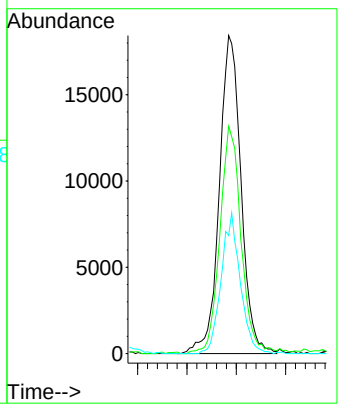
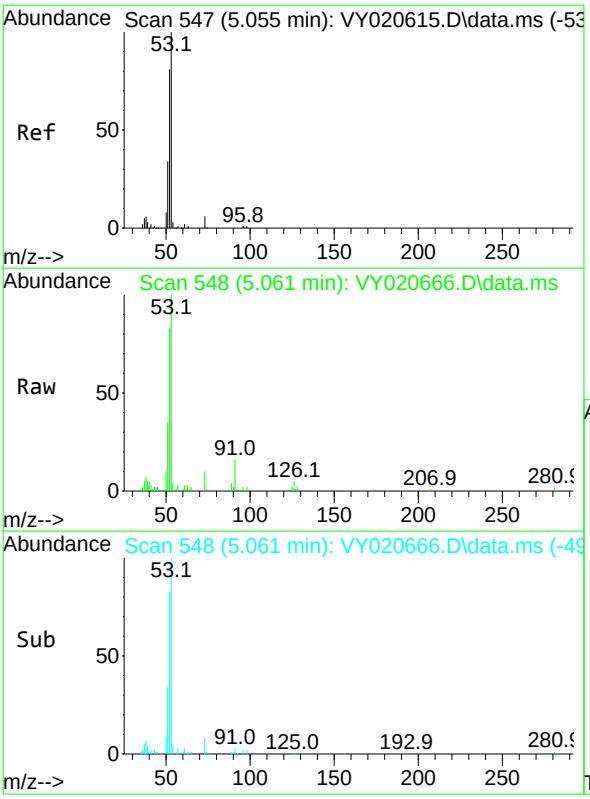


#14
Allyl chloride
Concen: 16.326 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 41 Resp: 56459

Ion	Ratio	Lower	Upper
41	100		
39	69.5	53.0	79.4
76	38.6	29.5	44.3

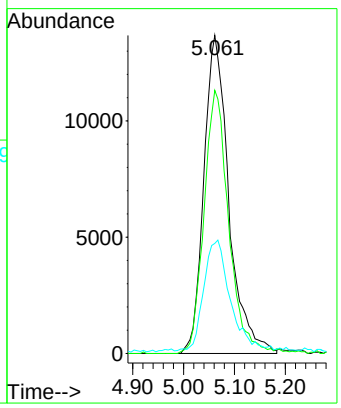




#15
Acrylonitrile
Concen: 97.887 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 53 Resp: 46605

Ion	Ratio	Lower	Upper
53	100		
52	81.6	64.5	96.7
51	37.2	29.4	44.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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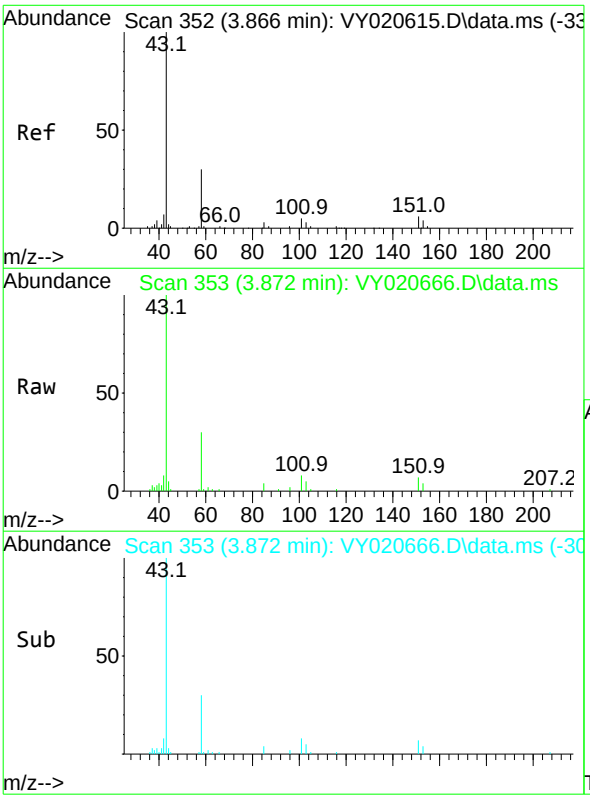
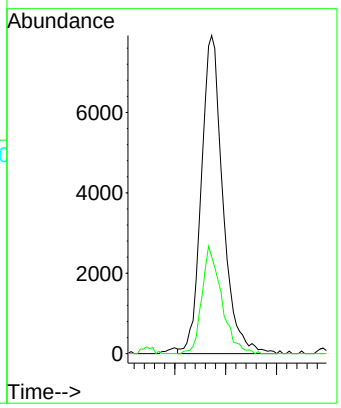
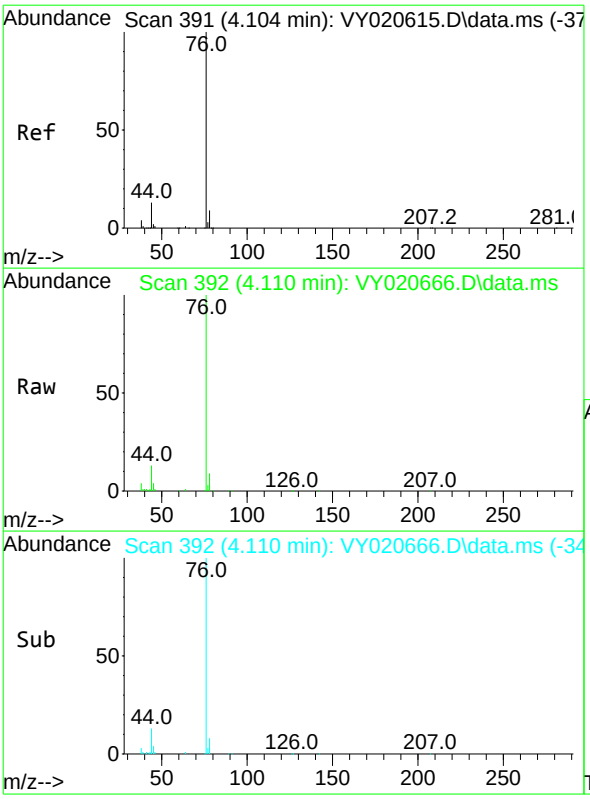


#16
Acetone
Concen: 63.034 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 43 Resp: 23242

Ion	Ratio	Lower	Upper
43	100		
58	30.5	25.0	37.6

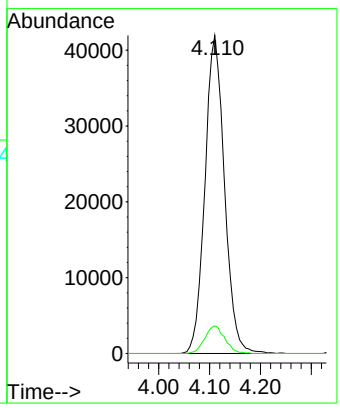




#17
Carbon Disulfide
Concen: 17.411 ug/l
RT: 4.110 min Scan# 39
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 76 Resp: 111849

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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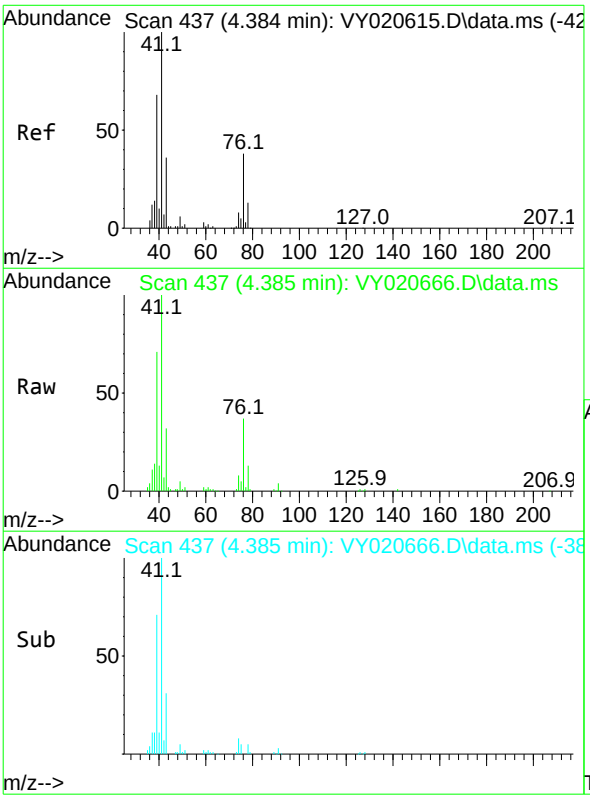
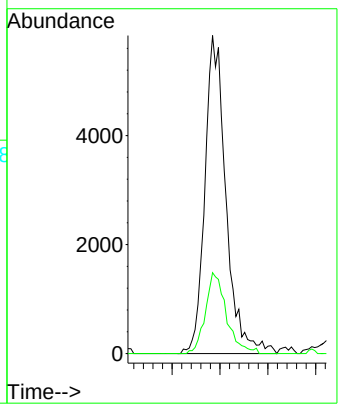
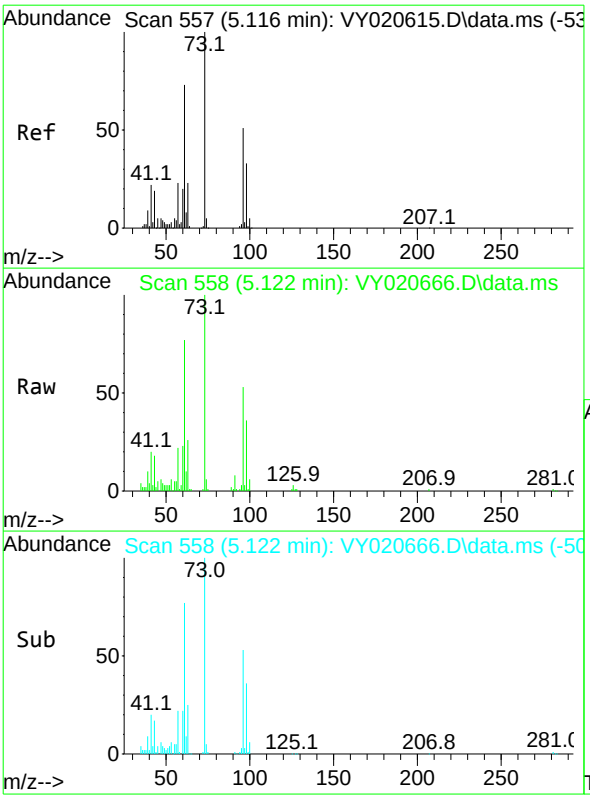


#18
Methyl Acetate
Concen: 15.218 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 43 Resp: 17854

Ion	Ratio	Lower	Upper
43	100		
74	25.3	19.2	28.8

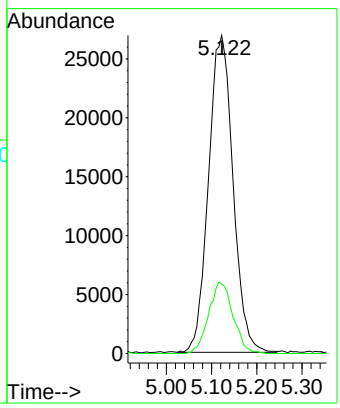




#19
Methyl tert-butyl Ether
Concen: 19.872 ug/l
RT: 5.122 min Scan# 55
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 73 Resp: 101223

Ion	Ratio	Lower	Upper
73	100		
57	21.9	18.5	27.7



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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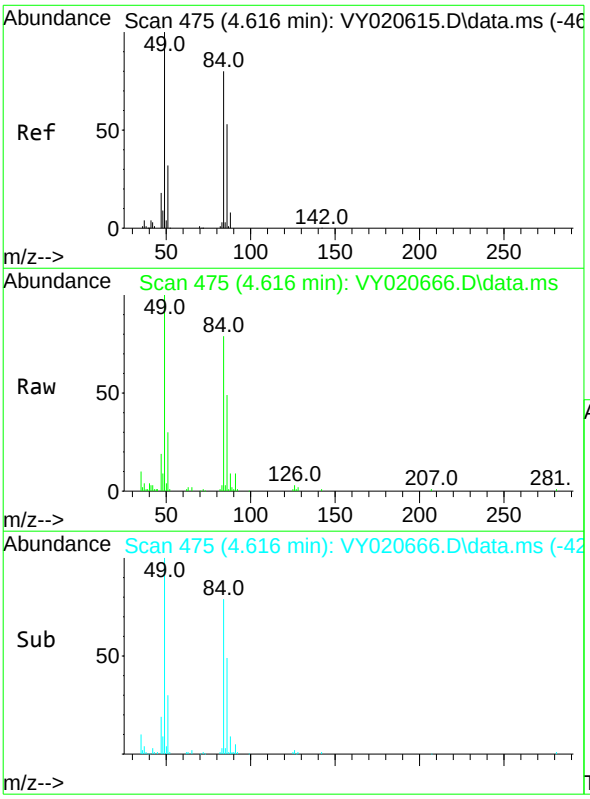
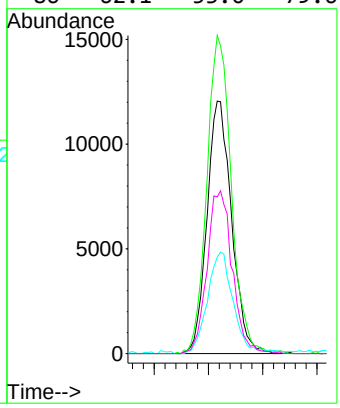
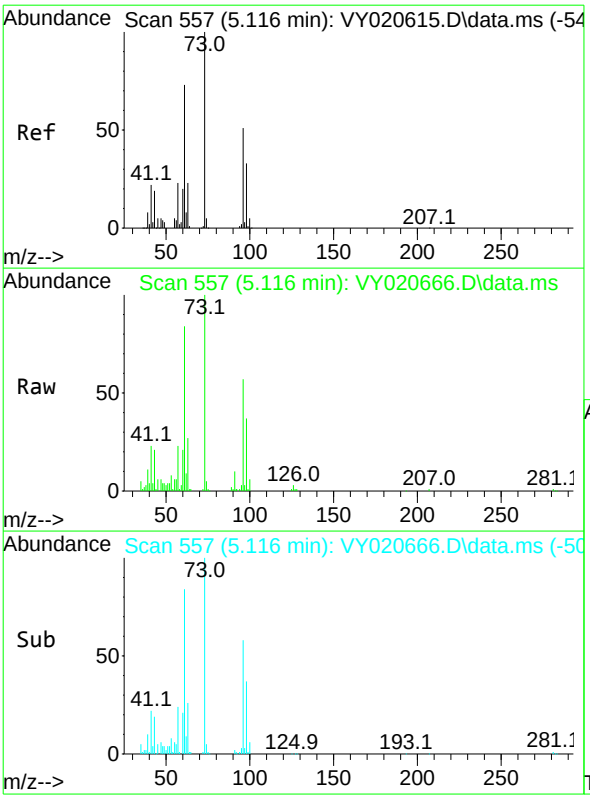


#20
Methylene Chloride
Concen: 17.737 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 84 Resp: 38027

Ion	Ratio	Lower	Upper
84	100		
49	125.5	100.7	151.1
51	38.2	32.2	48.2
86	62.1	53.0	79.6

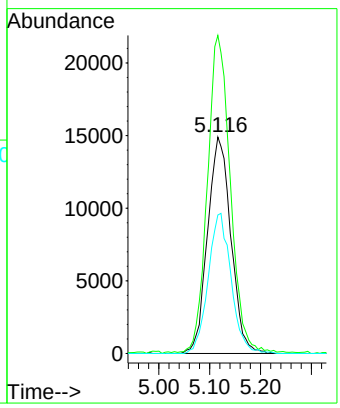




#21
trans-1,2-Dichloroethene
Concen: 21.482 ug/l
RT: 5.116 min Scan# 55
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 96 Resp: 47558

Ion	Ratio	Lower	Upper
96	100		
61	146.4	113.7	170.5
98	64.0	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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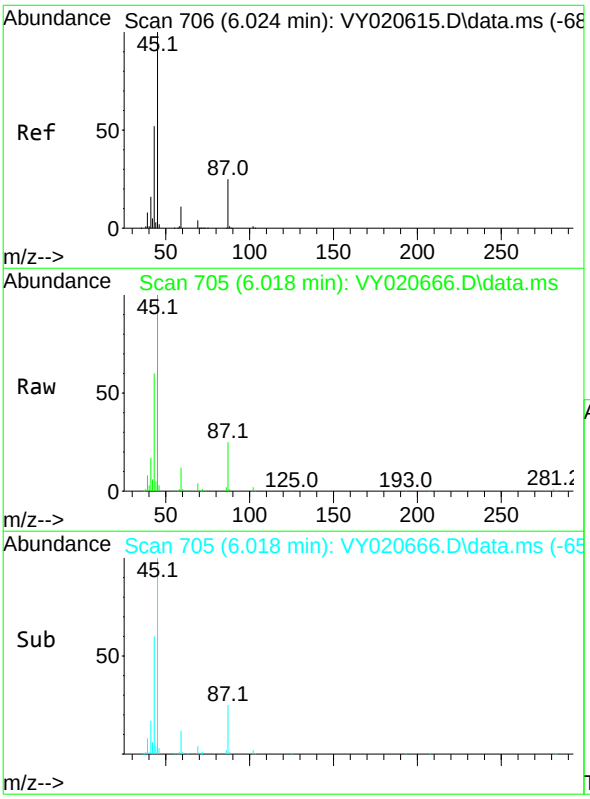
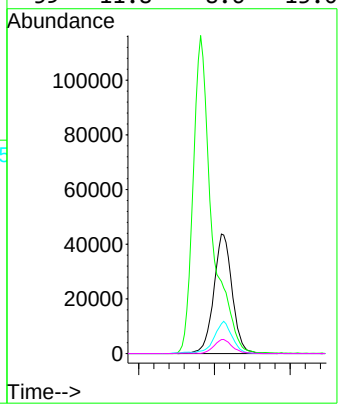
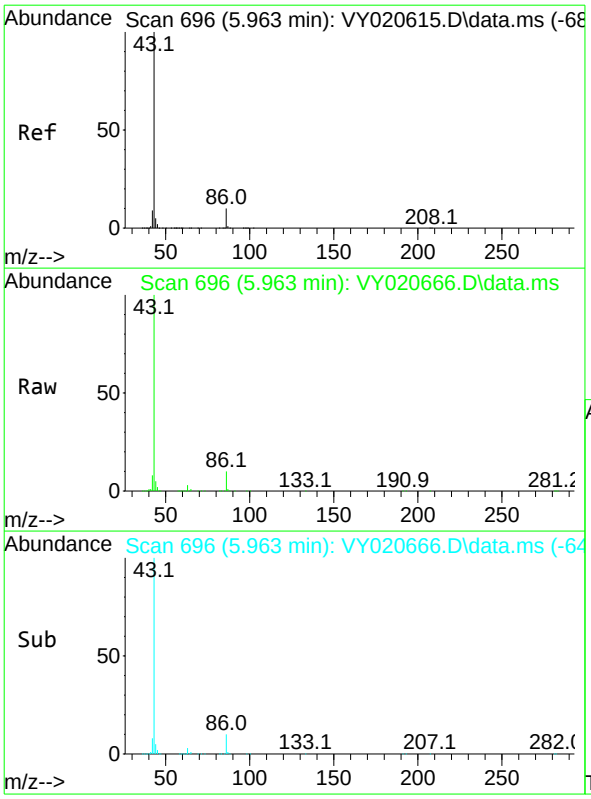


#22
Diisopropyl ether
Concen: 20.998 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 45 Resp: 147396

Ion	Ratio	Lower	Upper
45	100		
43	59.8	42.6	64.0
87	24.9	20.6	31.0
59	11.8	8.6	13.0





#23
Vinyl Acetate
Concen: 100.993 ug/l
RT: 5.963 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 43 Resp: 401517

Ion	Ratio	Lower	Upper
43	100		
86	9.7	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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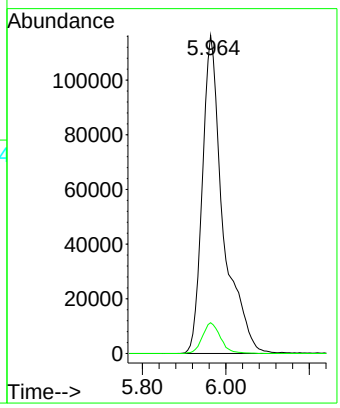
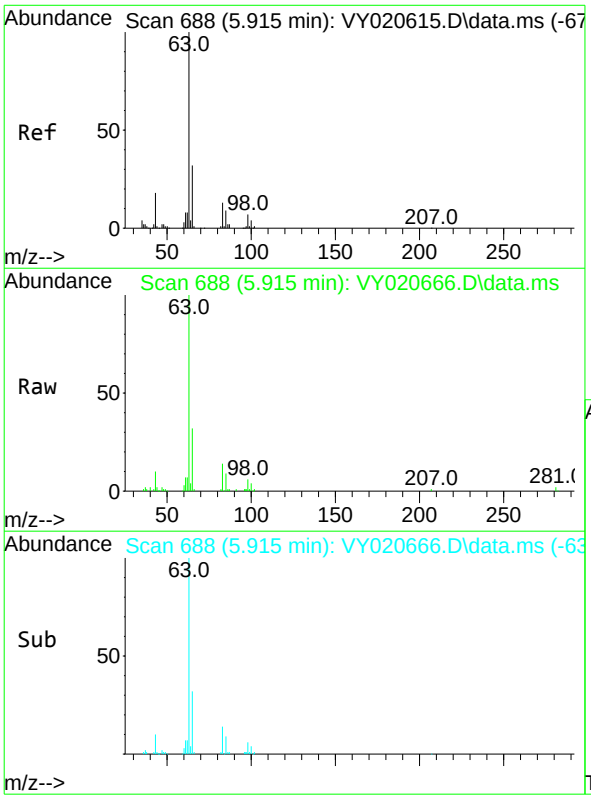
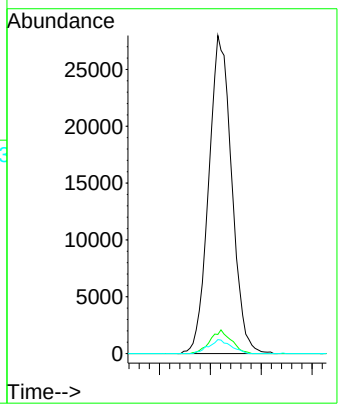


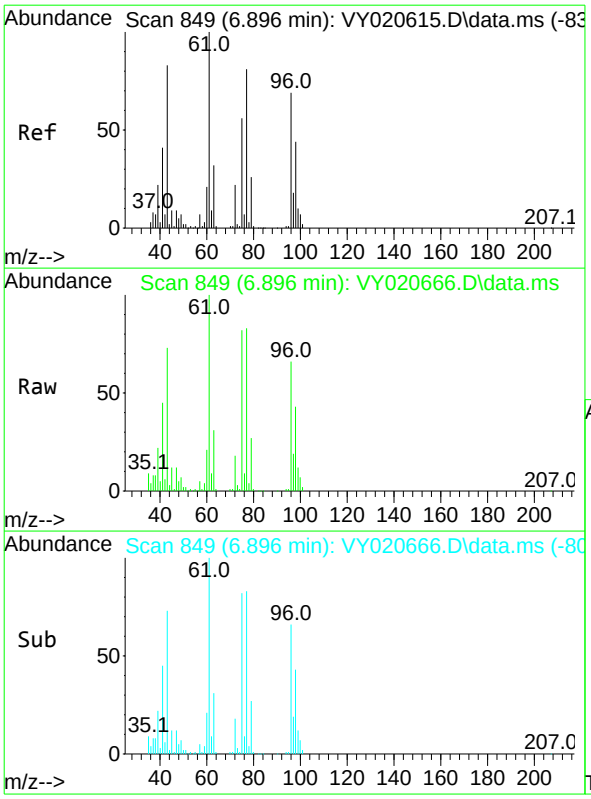


#24
1,1-Dichloroethane
Concen: 21.392 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 63 Resp: 87971

Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.4	10.1
100	4.4	2.1	6.5

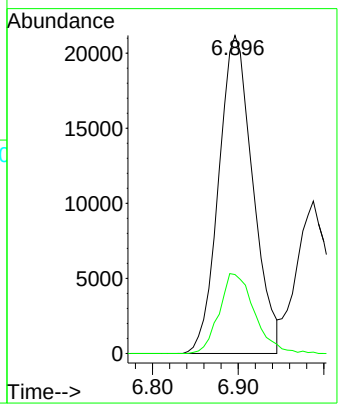




#25
2-Butanone
Concen: 91.655 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 43 Resp: 58734

Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.6	31.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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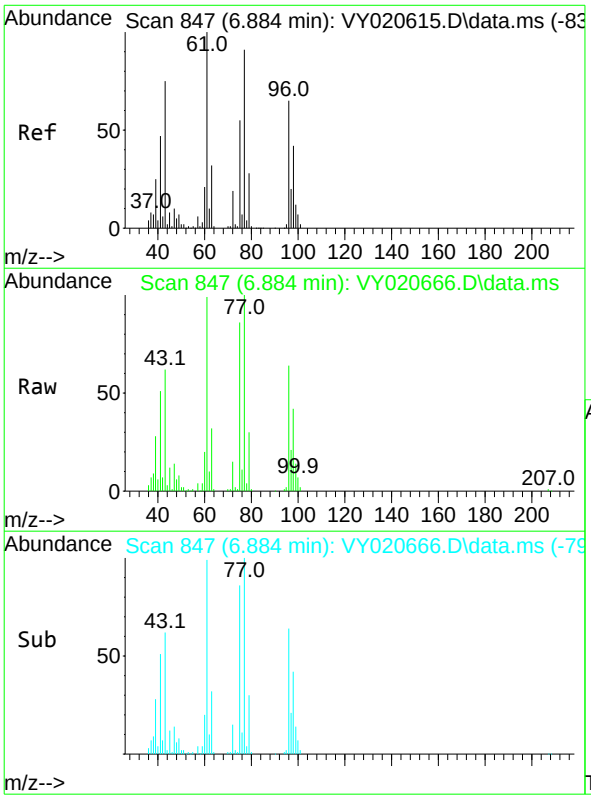
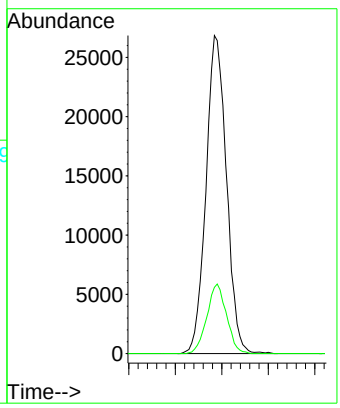
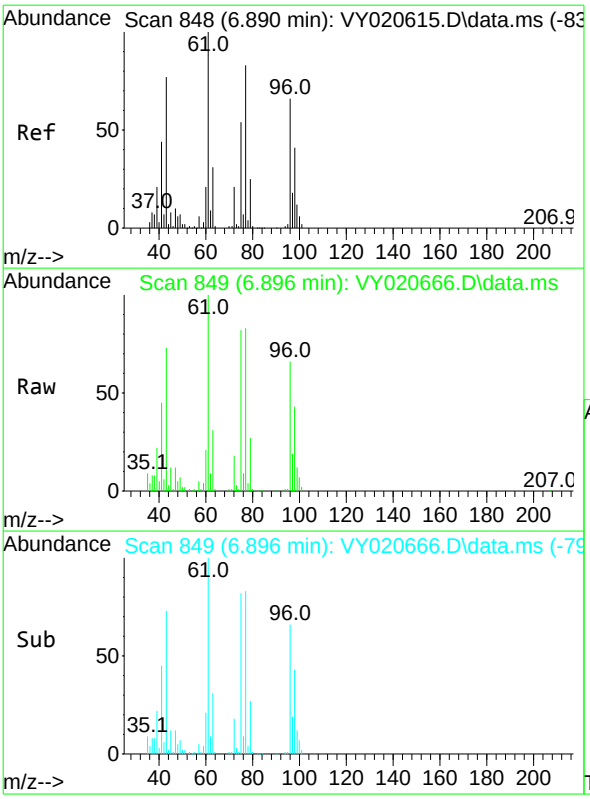


#26
2,2-Dichloropropane
Concen: 21.104 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 77 Resp: 82041

Ion	Ratio	Lower	Upper
77	100		
97	21.0	10.9	32.6

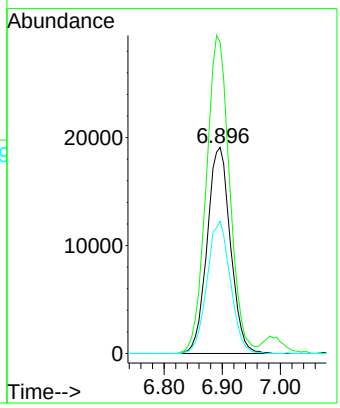




#27
cis-1,2-Dichloroethene
Concen: 20.878 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 96 Resp: 53177

Ion	Ratio	Lower	Upper
96	100		
61	154.7	0.0	306.2
98	64.3	0.0	127.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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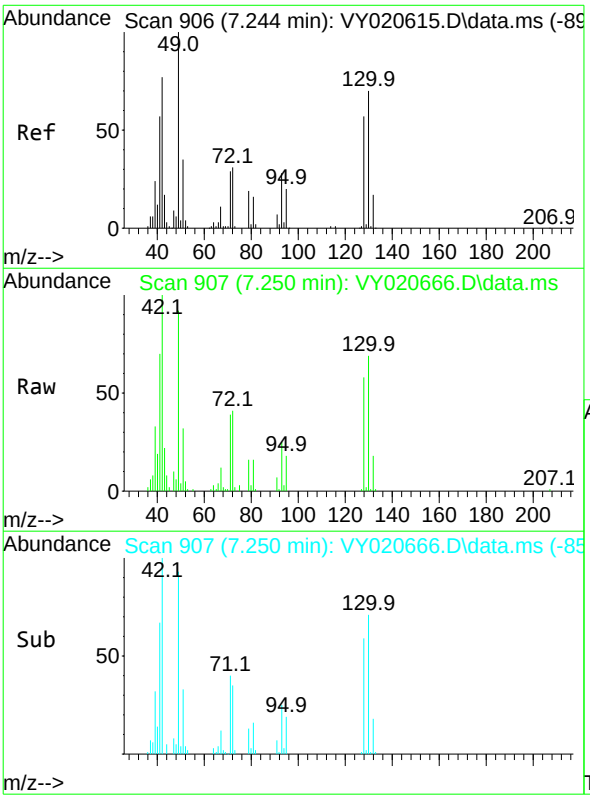
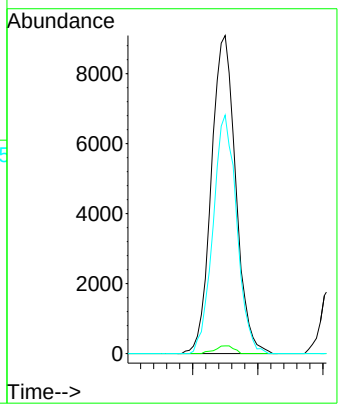
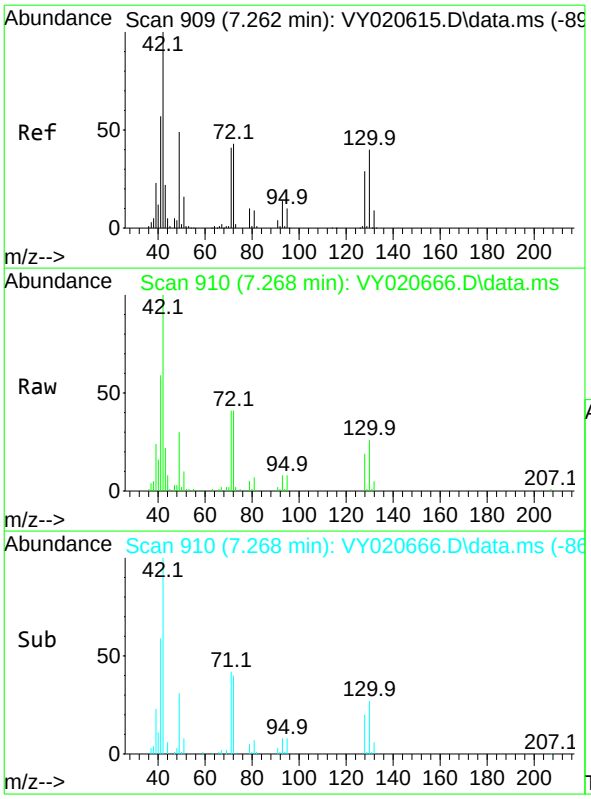


#28
Bromochloromethane
Concen: 17.030 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 49 Resp: 23622

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	73.0	58.3	87.5





#29
Tetrahydrofuran
Concen: 95.228 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 42 Resp: 38523

Ion	Ratio	Lower	Upper
42	100		
72	41.7	34.0	51.0
71	39.6	31.6	47.4

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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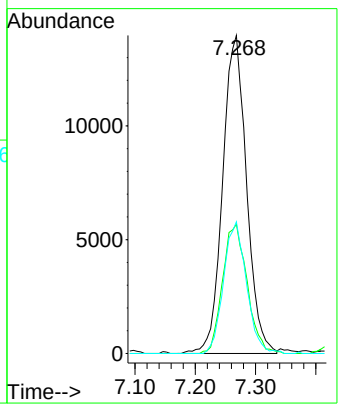
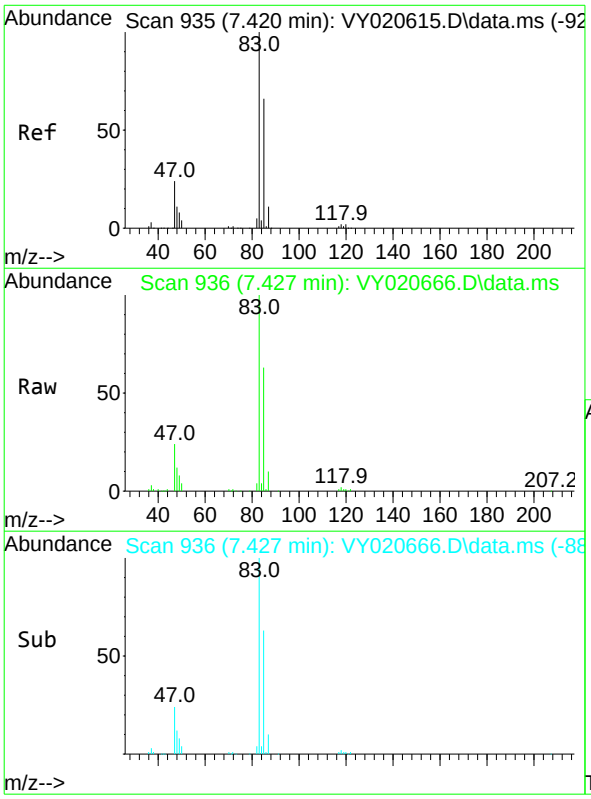
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

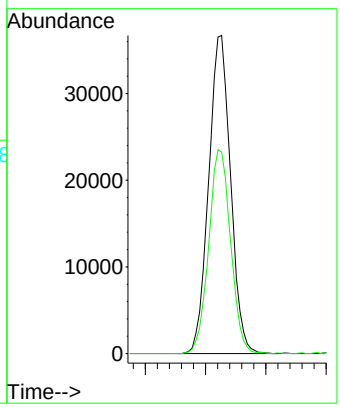


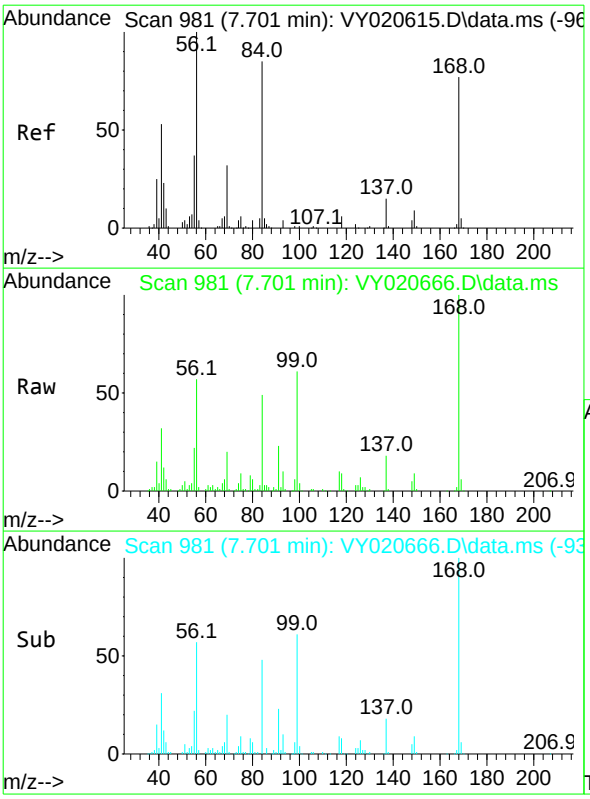


#30
Chloroform
Concen: 19.148 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.007 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 83 Resp: 92559

Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.7	79.1

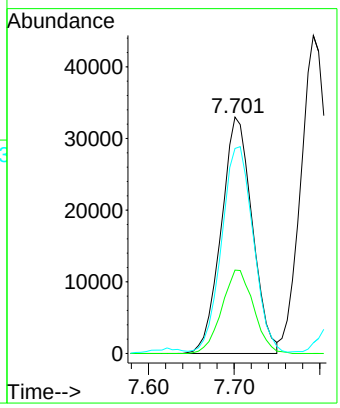




#31
Cyclohexane
Concen: 21.116 ug/l
RT: 7.701 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 56 Resp: 83030

Ion	Ratio	Lower	Upper
56	100		
69	35.3	25.4	38.0
84	85.0	68.3	102.5



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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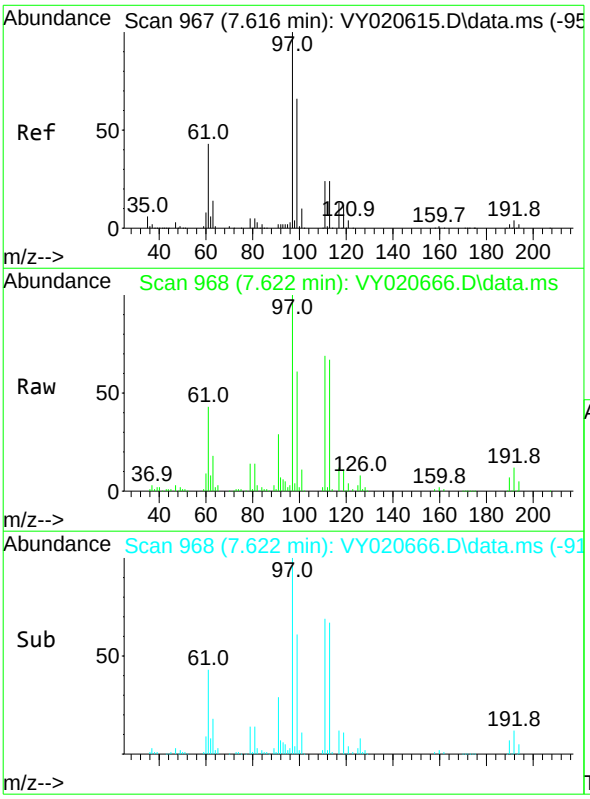
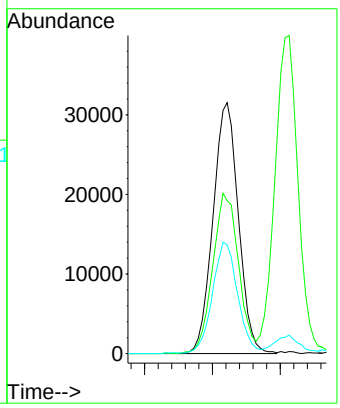
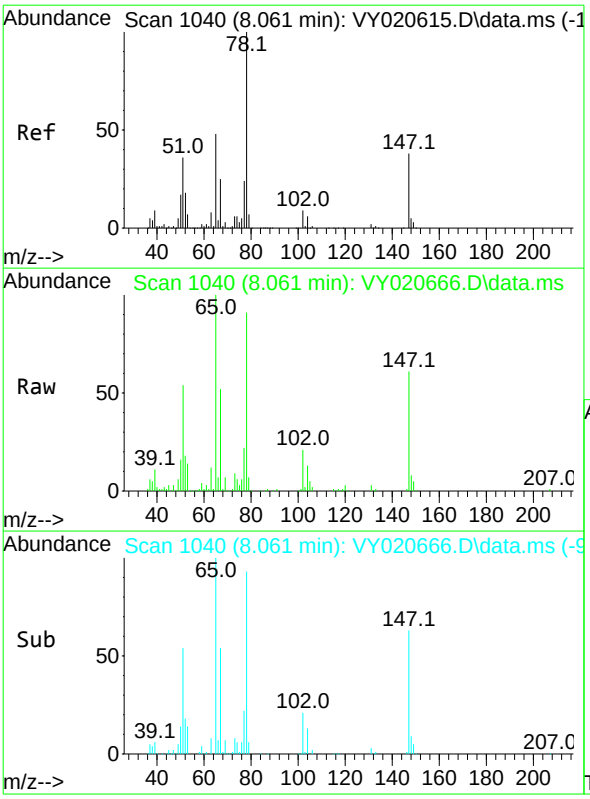


#32
1,1,1-Trichloroethane
Concen: 21.694 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 97 Resp: 81959

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.6	77.4
61	43.3	34.7	52.1

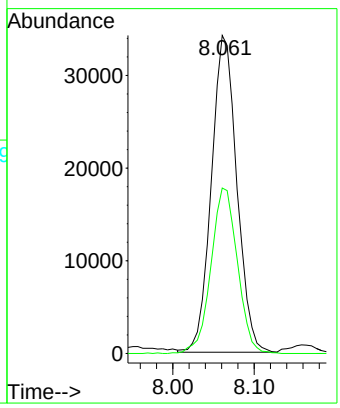




#33
1,2-Dichloroethane-d4
Concen: 43.102 ug/l
RT: 8.061 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 65 Resp: 74322

Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	108.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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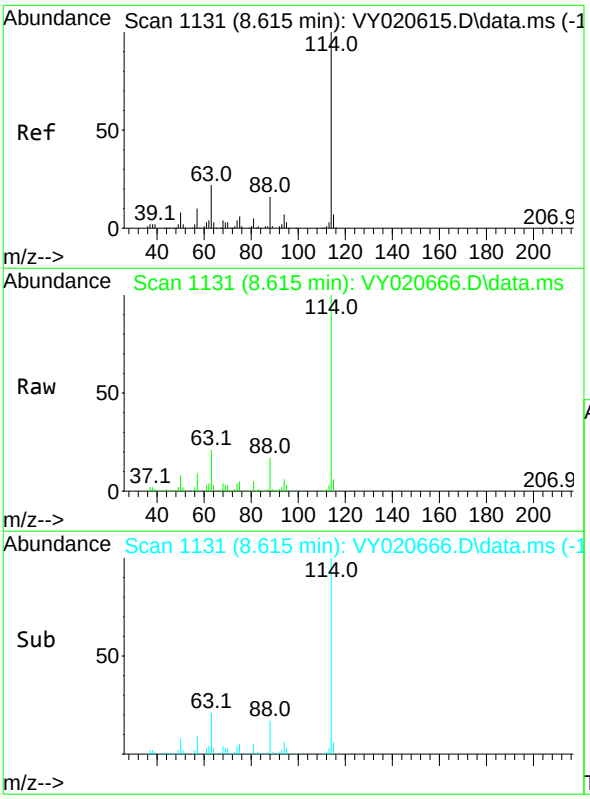
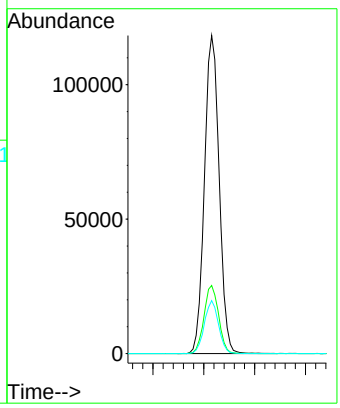
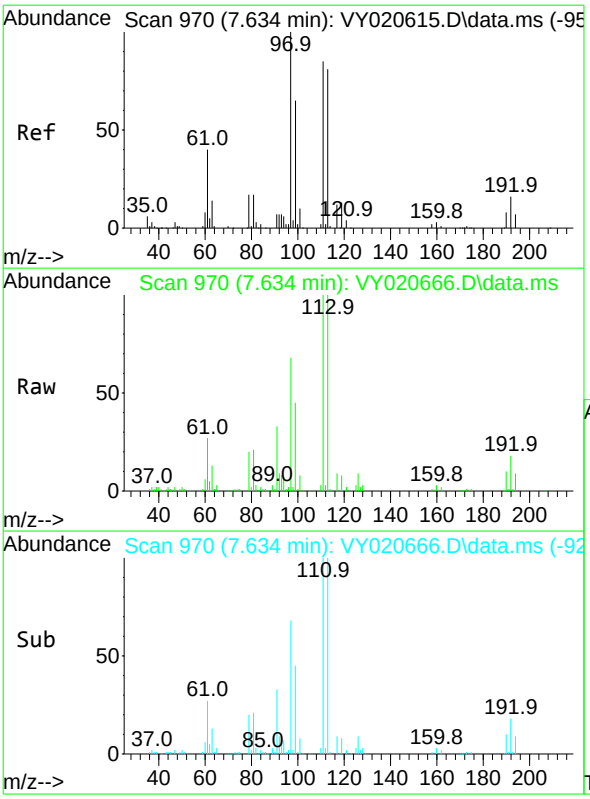


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:114 Resp: 237485

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	44.0
88	16.6	0.0	32.8





#35
Dibromofluoromethane
Concen: 46.118 ug/l
RT: 7.634 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:113 Resp: 77189

Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.9	124.3
192	18.9	15.7	23.5

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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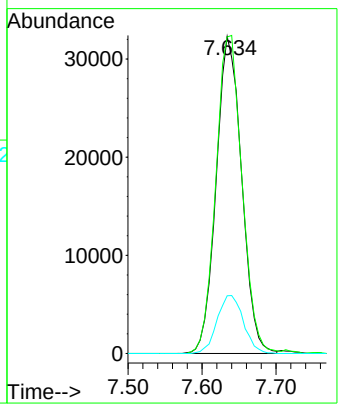
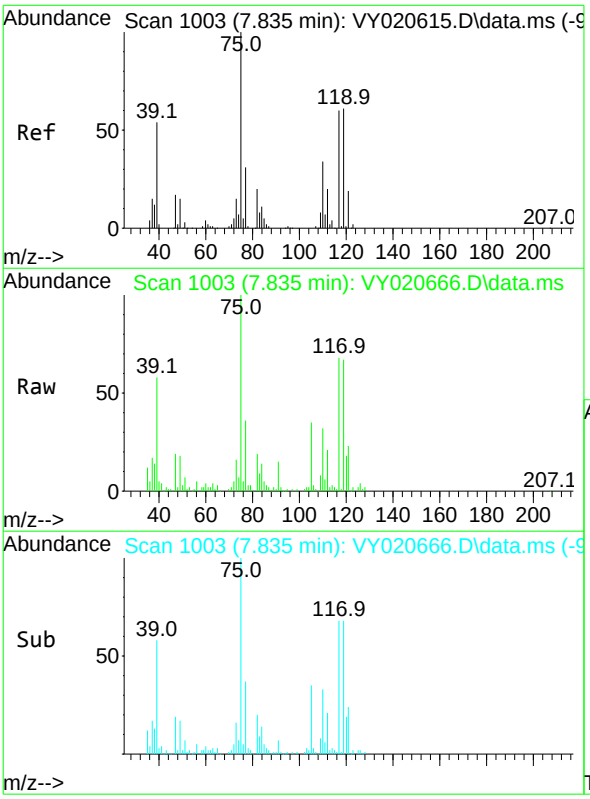
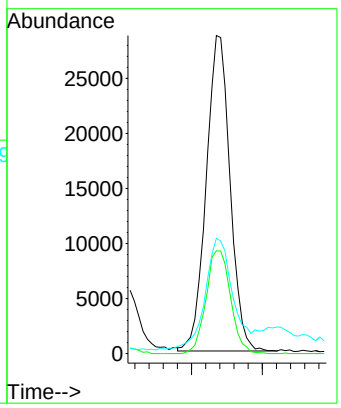


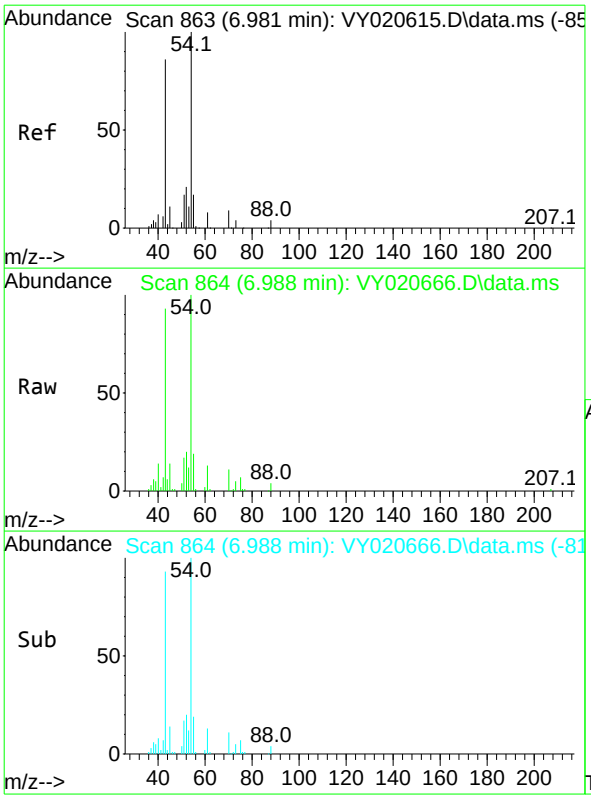


#36
1,1-Dichloropropene
Concen: 21.973 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 75 Resp: 67060

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.8	50.4
77	41.1	25.0	37.6#

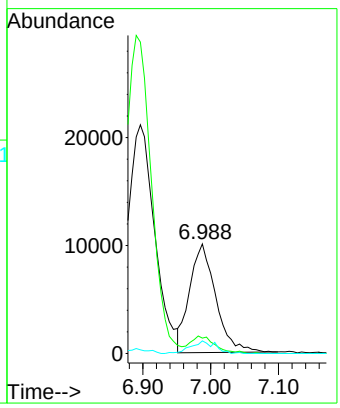




#37
Ethyl Acetate
Concen: 18.775 ug/l
RT: 6.988 min Scan# 86
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 43 Resp: 26953

Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.0	16.4
70	10.7	7.9	11.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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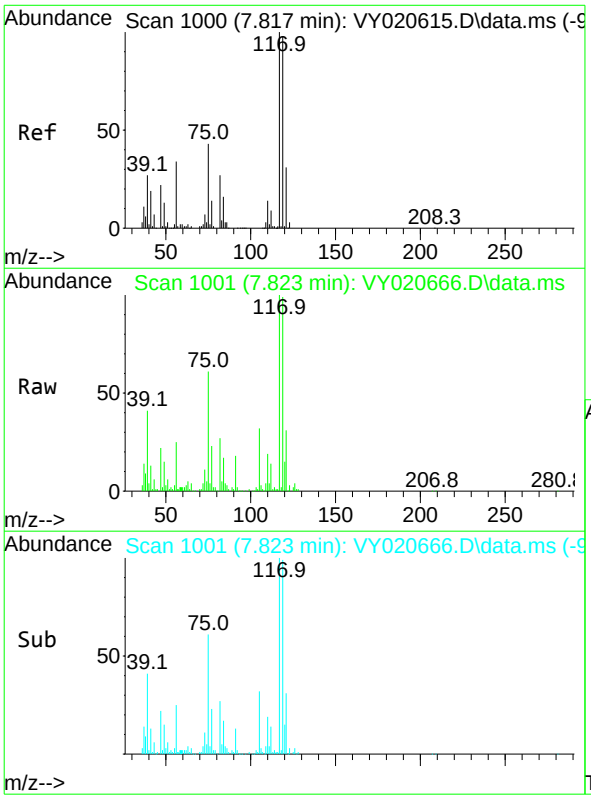
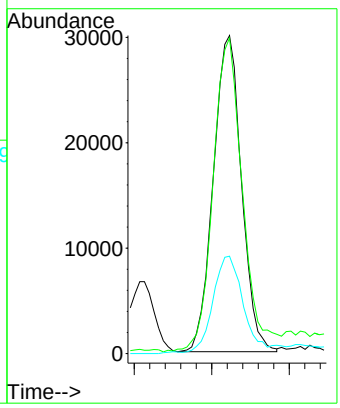
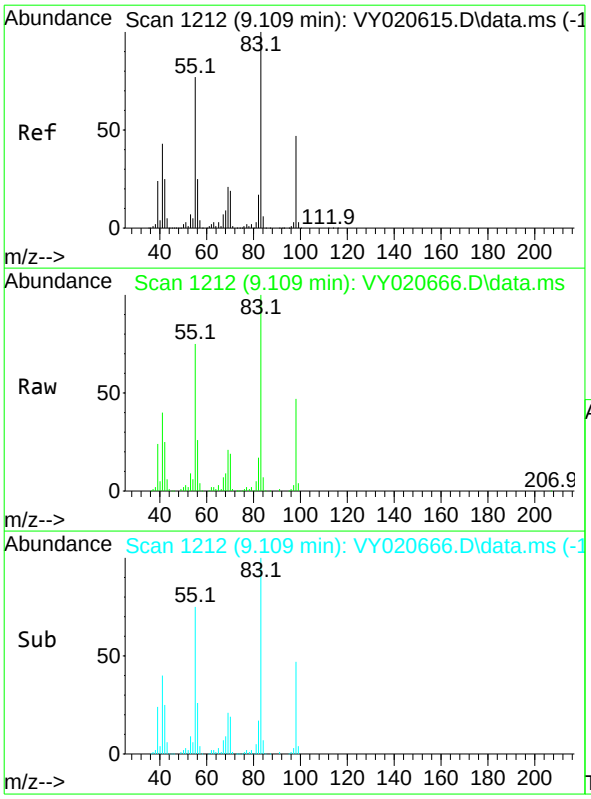


#38
Carbon Tetrachloride
Concen: 22.399 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:117 Resp: 75634

Ion	Ratio	Lower	Upper
117	100		
119	98.4	78.3	117.5
121	30.3	25.1	37.7





#39
Methylcyclohexane
Concen: 22.028 ug/l
RT: 9.109 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 83 Resp: 87624

Ion	Ratio	Lower	Upper
83	100		
55	74.7	61.4	92.0
98	46.8	37.3	55.9

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Manual Integrations
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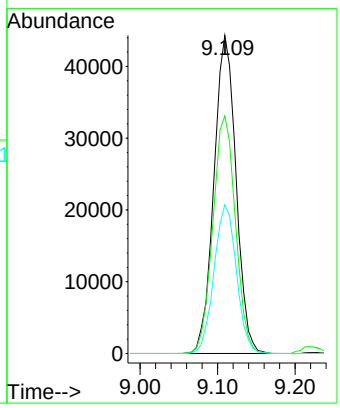
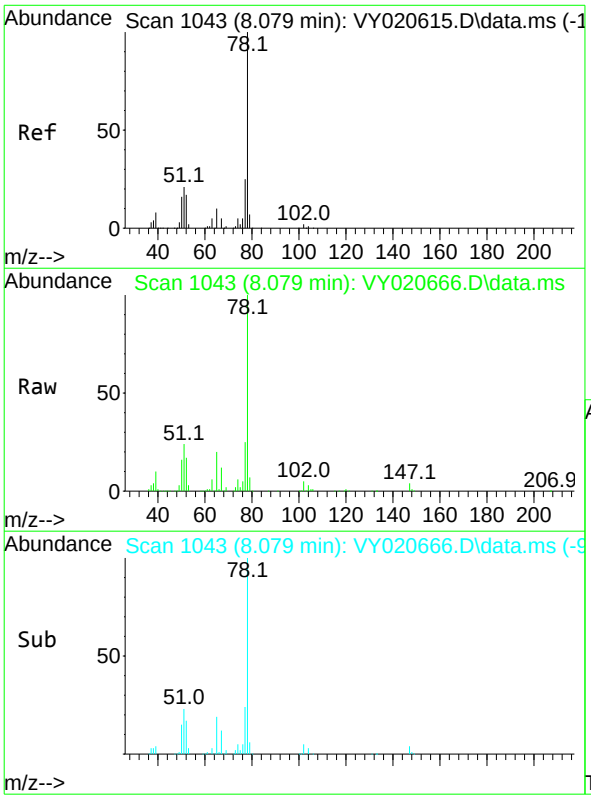
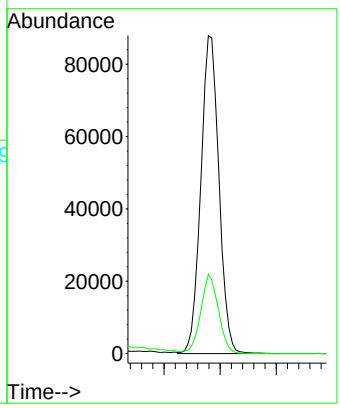


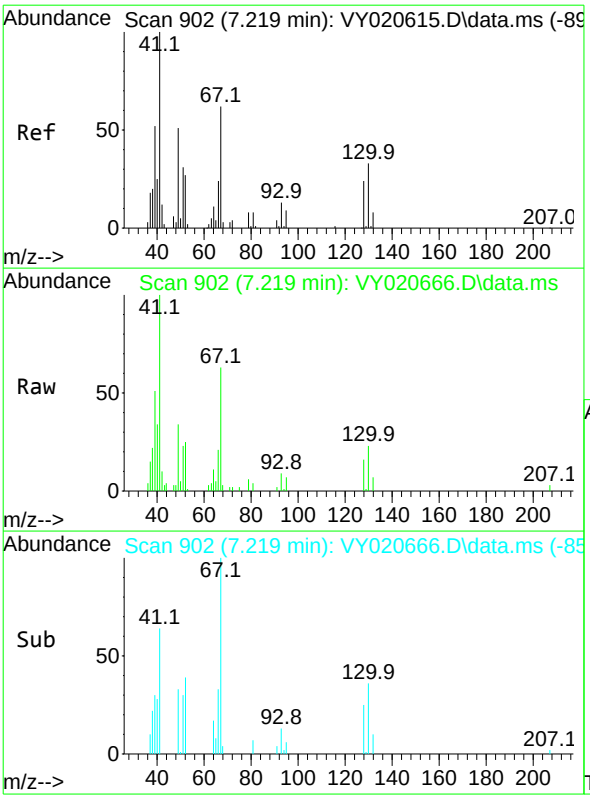


#40
Benzene
Concen: 22.058 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 78 Resp: 197331

Ion	Ratio	Lower	Upper
78	100		
77	24.9	20.1	30.1

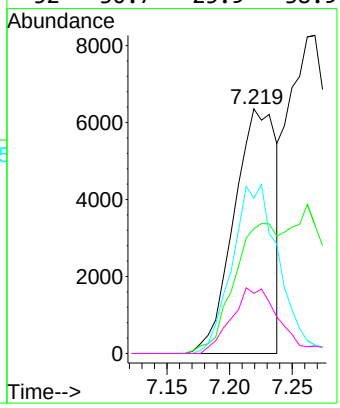




#41
Methacrylonitrile
Concen: 19.610 ug/l
RT: 7.219 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 41 Resp: 14883

Ion	Ratio	Lower	Upper
41	100		
39	54.3	53.6	80.4
67	76.1	62.0	93.0
52	30.7	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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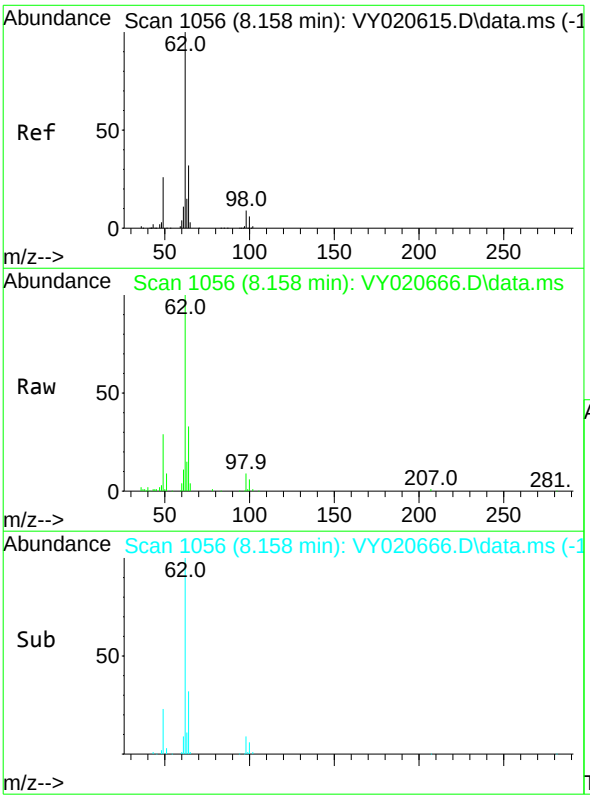
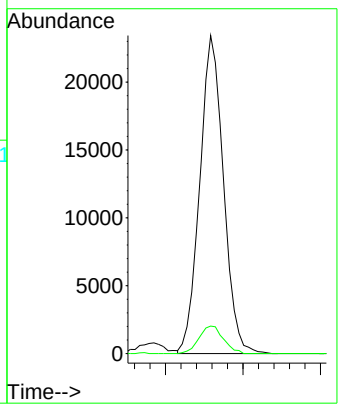
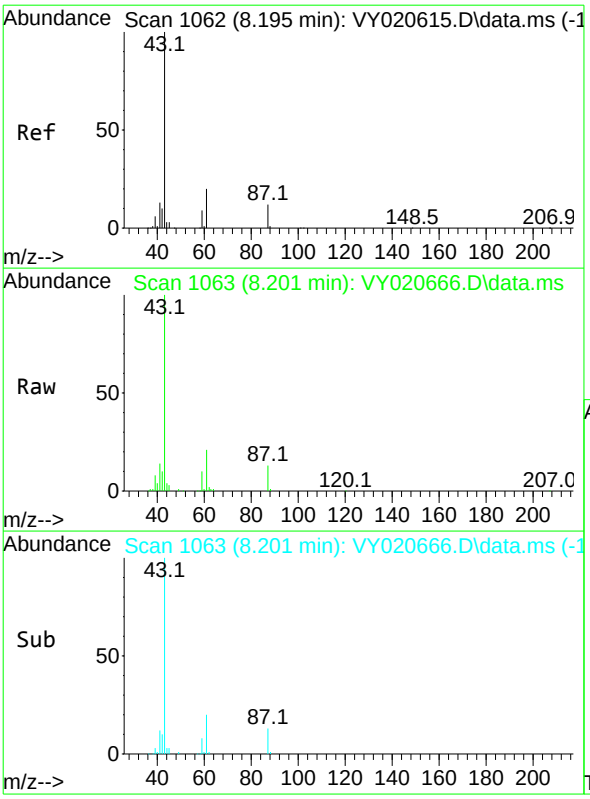


#42
1,2-Dichloroethane
Concen: 20.991 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 62 Resp: 49803

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.0





#43
Isopropyl Acetate
Concen: 19.989 ug/l
RT: 8.201 min Scan# 10
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 43 Resp: 54326

Ion	Ratio	Lower	Upper
43	100		
61	30.6	23.8	35.6
87	12.8	10.2	15.4

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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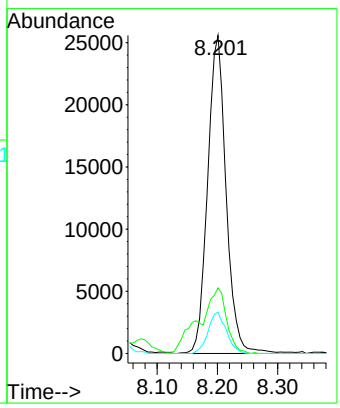
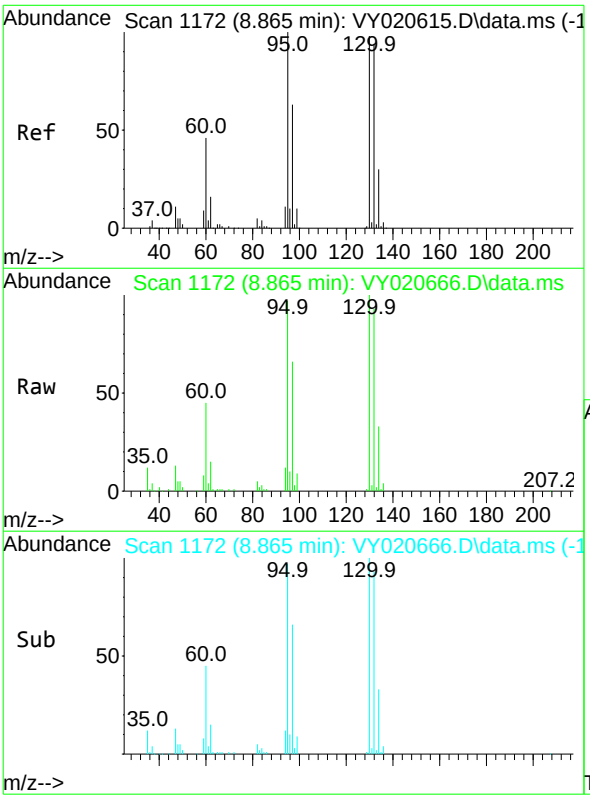
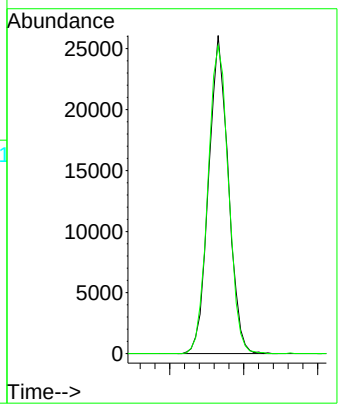


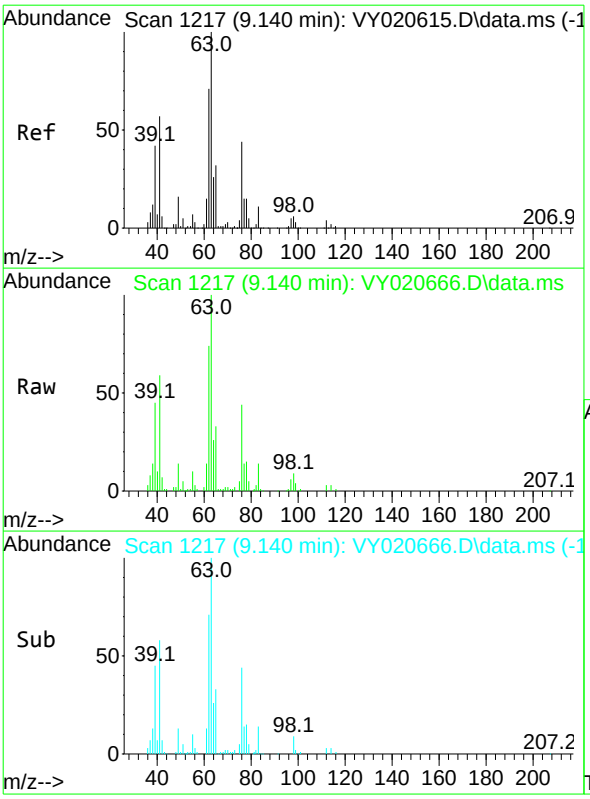


#44
Trichloroethene
Concen: 21.921 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:130 Resp: 48185

Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	203.2

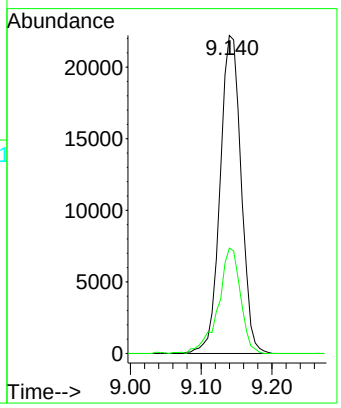




#45
1,2-Dichloropropane
Concen: 21.896 ug/l
RT: 9.140 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 63 Resp: 45779

Ion	Ratio	Lower	Upper
63	100		
65	33.1	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Manual Integrations
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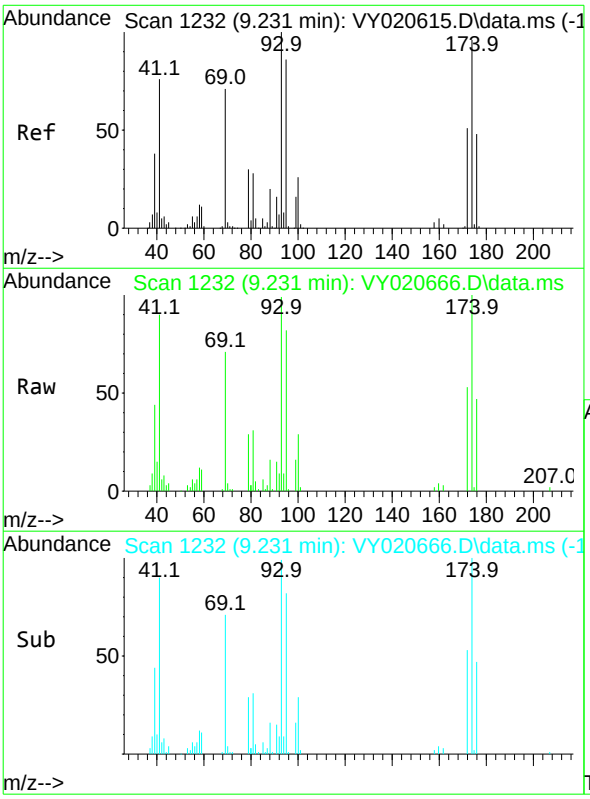
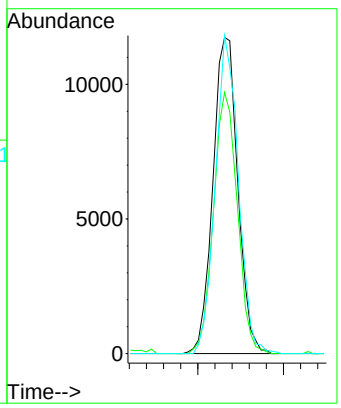
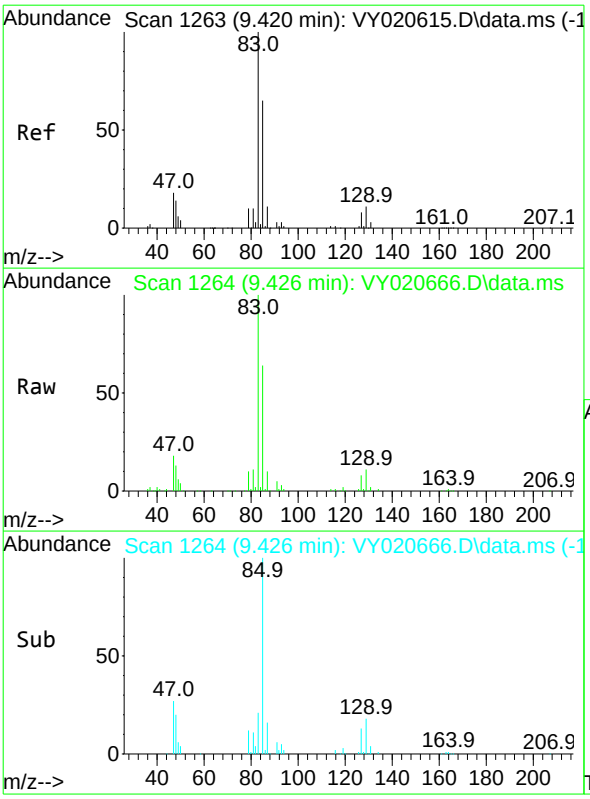


#46
Dibromomethane
Concen: 21.396 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 93 Resp: 23641

Ion	Ratio	Lower	Upper
93	100		
95	79.3	66.7	100.1
174	93.6	77.8	116.6

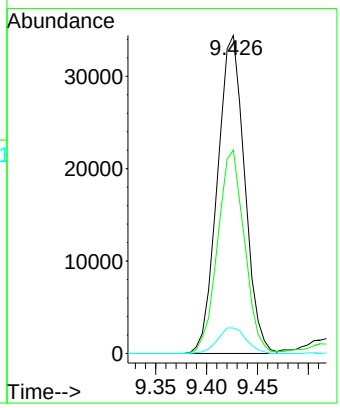




#47
Bromodichloromethane
Concen: 21.429 ug/l
RT: 9.426 min Scan# 12
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 83 Resp: 63960

Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.1	78.1
127	8.0	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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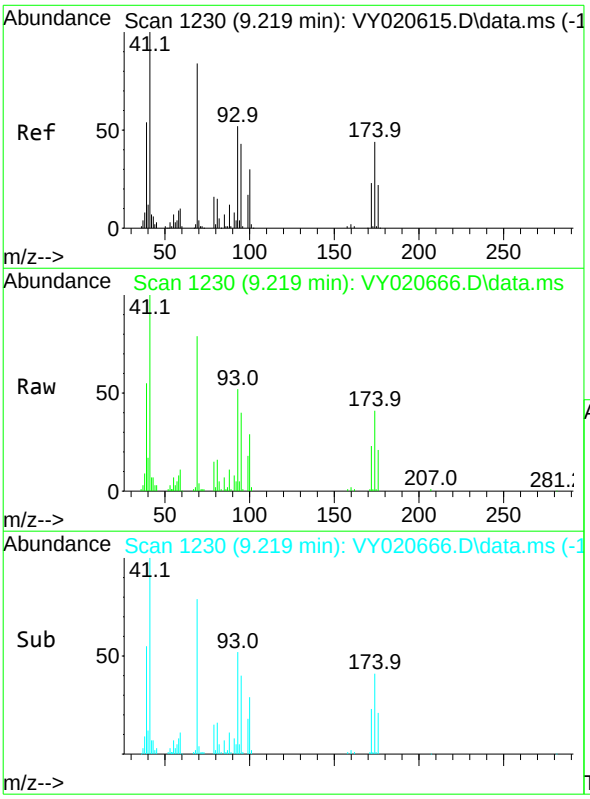
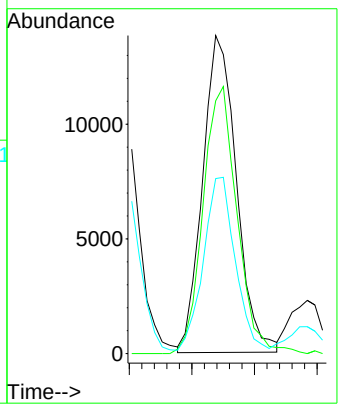
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

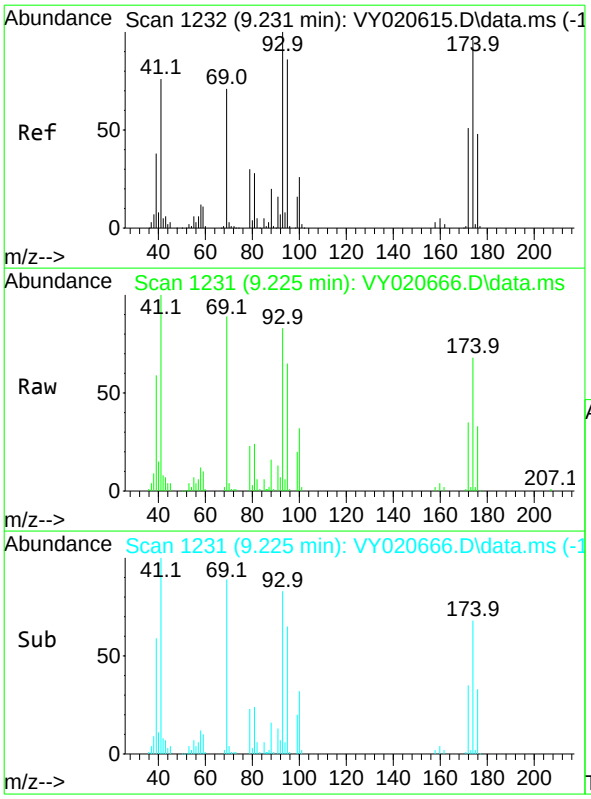


#48
Methyl methacrylate
Concen: 20.050 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 41 Resp: 25905

Ion	Ratio	Lower	Upper
41	100		
69	84.6	67.2	100.8
39	51.4	42.2	63.4





#49
1,4-Dioxane
Concen: 370.747 ug/l
RT: 9.225 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 88 Resp: 4698

Ion	Ratio	Lower	Upper
88	100		
43	45.8	27.6	41.4#
58	78.0	61.7	92.5

Instrument :
MSVOA_Y
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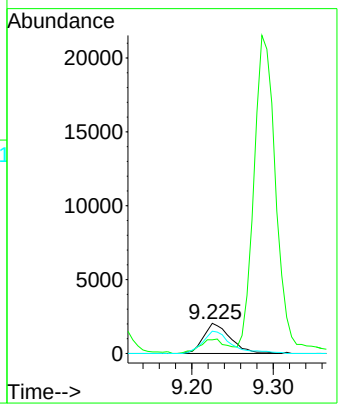
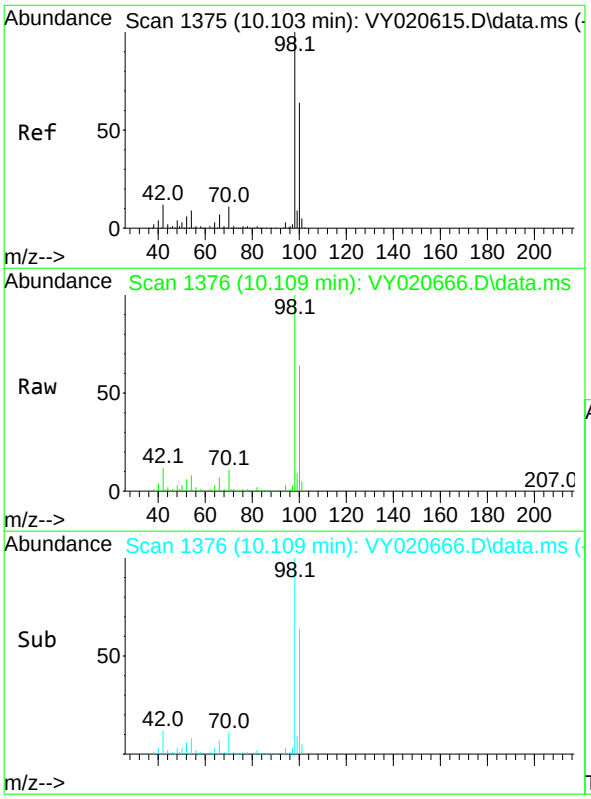
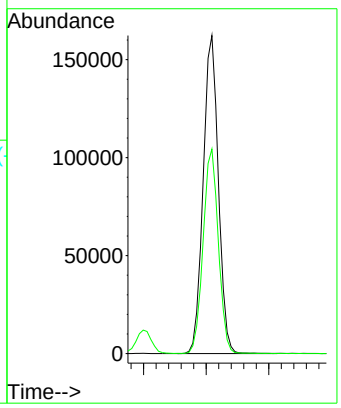


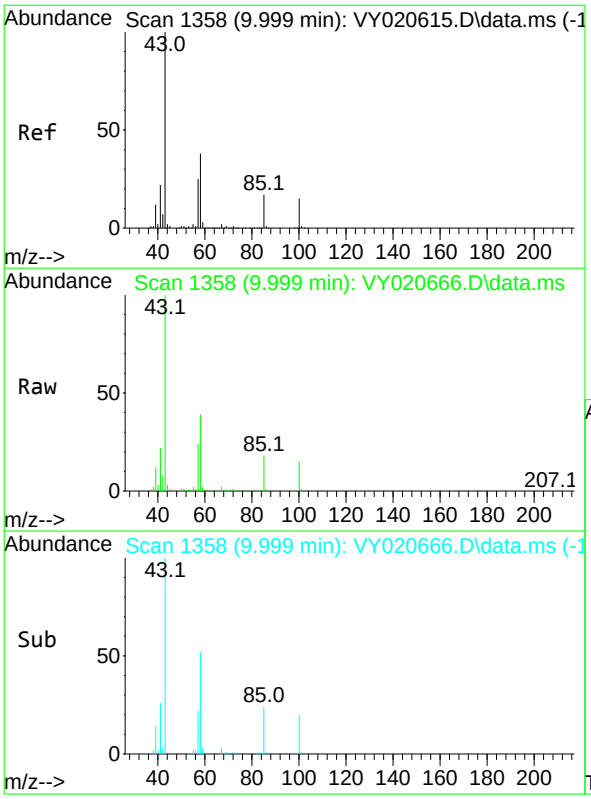


#50
Toluene-d8
Concen: 46.643 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 98 Resp: 273250

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.1	78.1

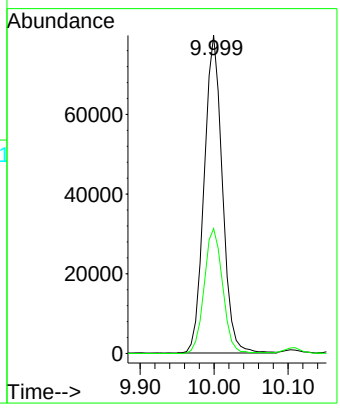




#51
4-Methyl-2-Pentanone
Concen: 94.726 ug/l
RT: 9.999 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 43 Resp: 135892

Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.4	47.2



Instrument :
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ClientSampleId :
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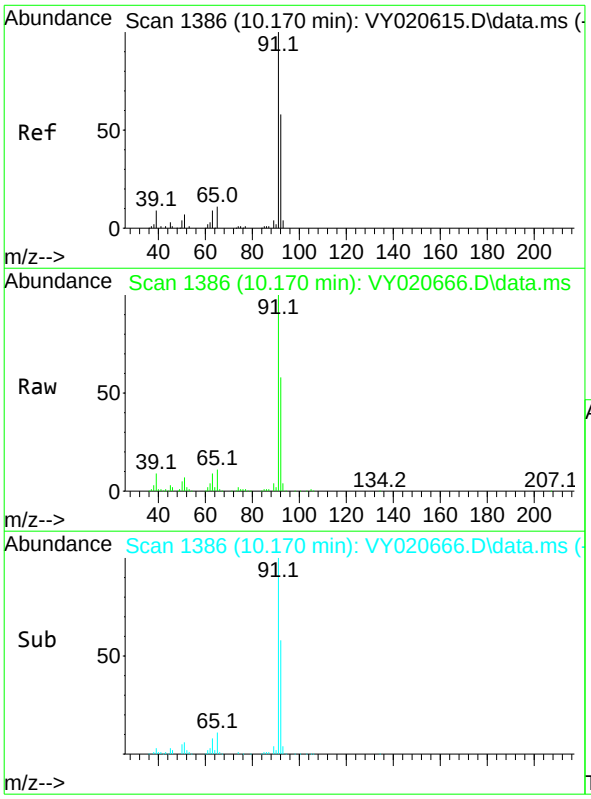
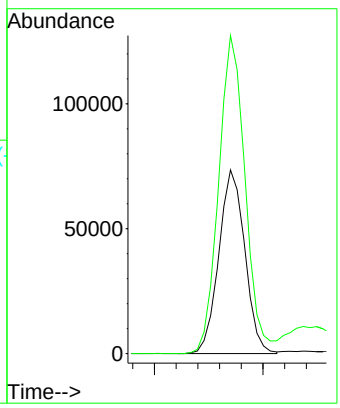
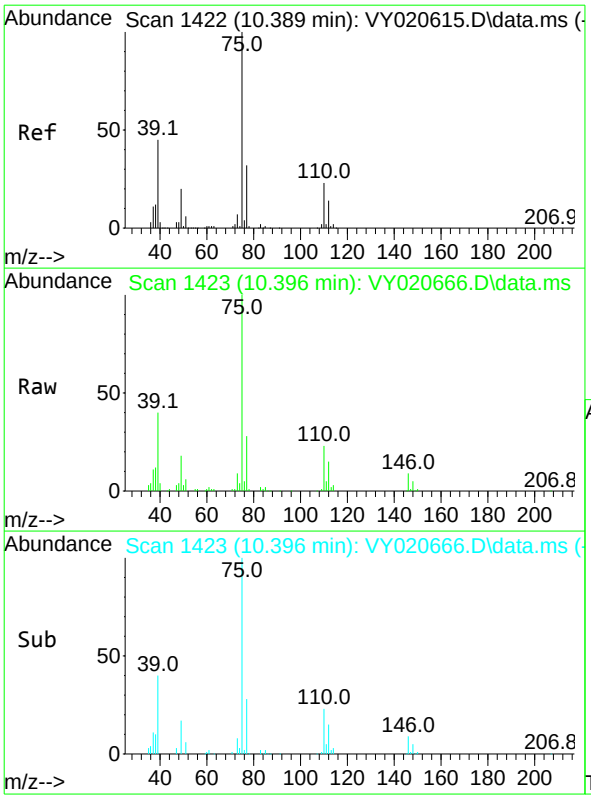


#52
Toluene
Concen: 22.055 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 92 Resp: 122615

Ion	Ratio	Lower	Upper
92	100		
91	175.0	137.4	206.0

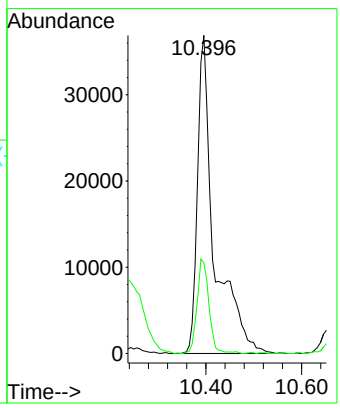




#53
t-1,3-Dichloropropene
Concen: 32.354 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 75 Resp: 89982

Ion	Ratio	Lower	Upper
75	100		
77	28.5	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
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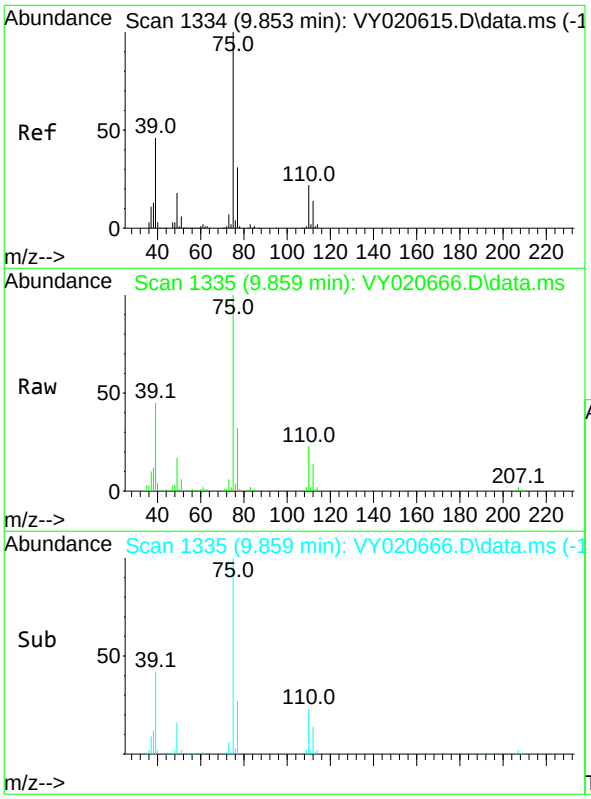
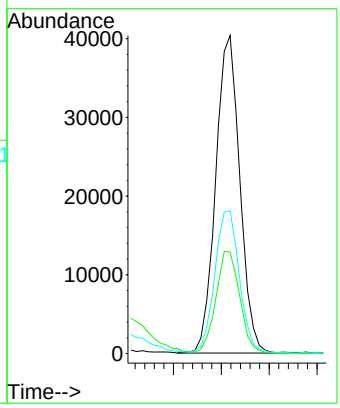
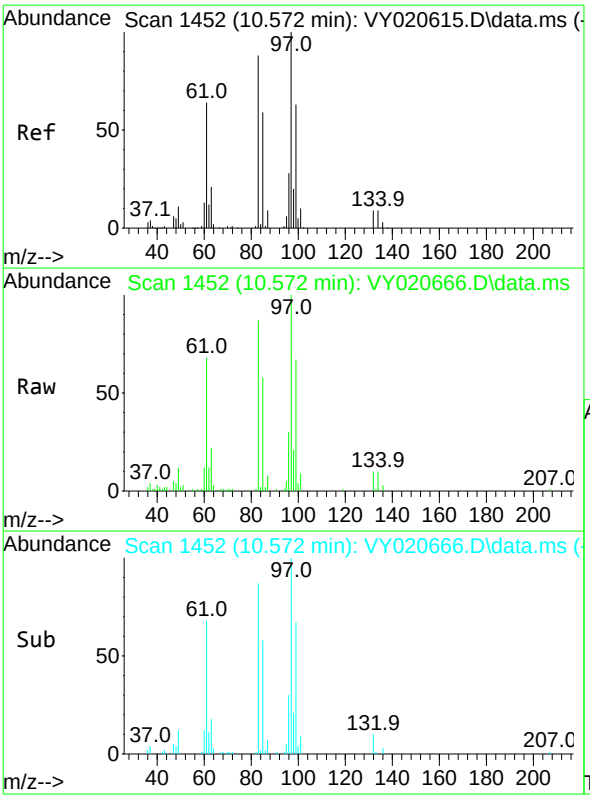


#54
cis-1,3-Dichloropropene
Concen: 21.413 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 75 Resp: 70570

Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.6	36.8
39	44.6	36.4	54.6

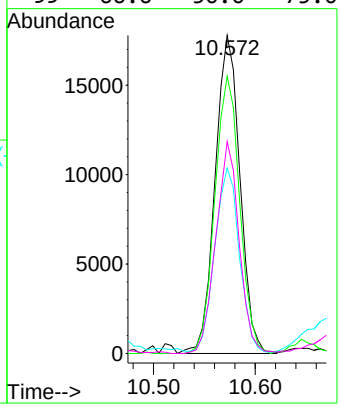




#55
1,1,2-Trichloroethane
Concen: 20.669 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 97 Resp: 30195

Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.4	105.6
85	57.7	47.2	70.8
99	66.6	50.0	75.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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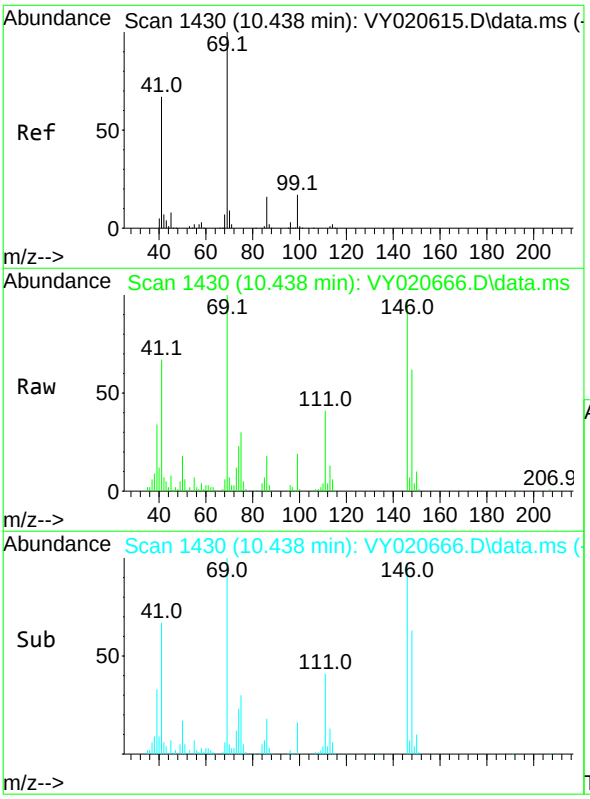
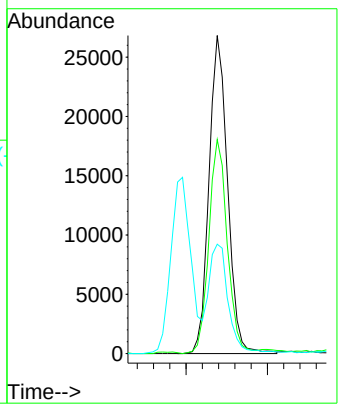
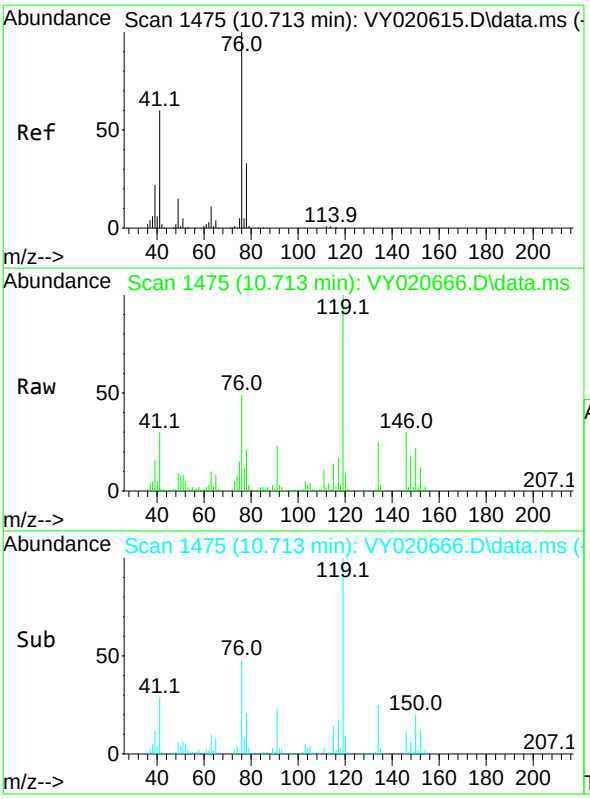


#56
Ethyl methacrylate
Concen: 20.060 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 69 Resp: 42515

Ion	Ratio	Lower	Upper
69	100		
41	66.9	54.0	81.0
39	35.1	27.9	41.9





#57
1,3-Dichloropropane
Concen: 25.621 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 76 Resp: 66722

Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.8	38.8#

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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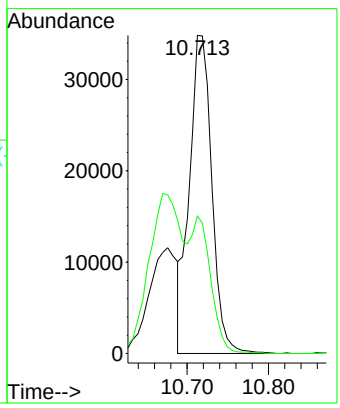
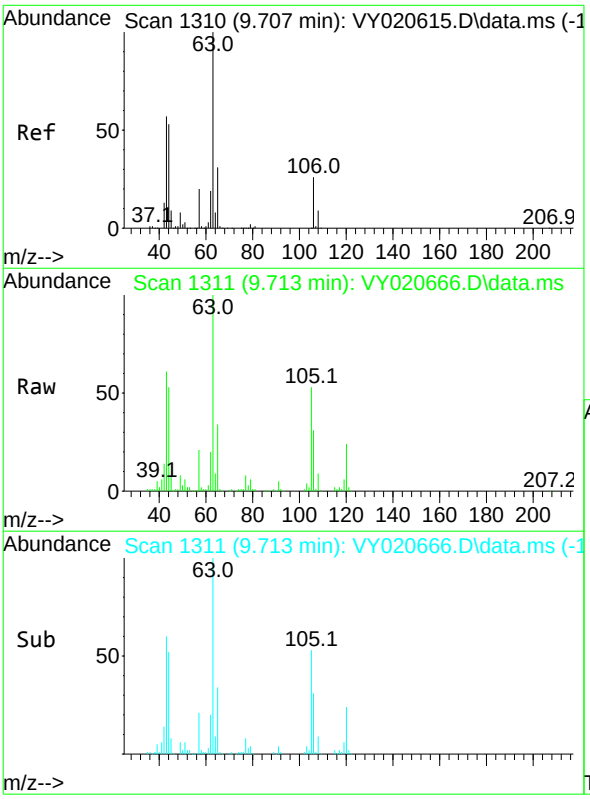
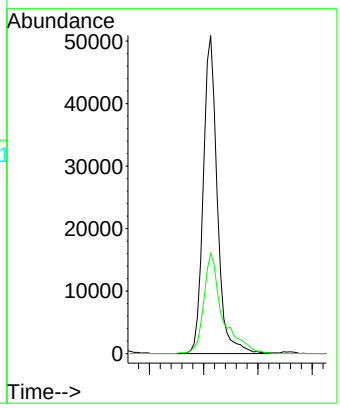


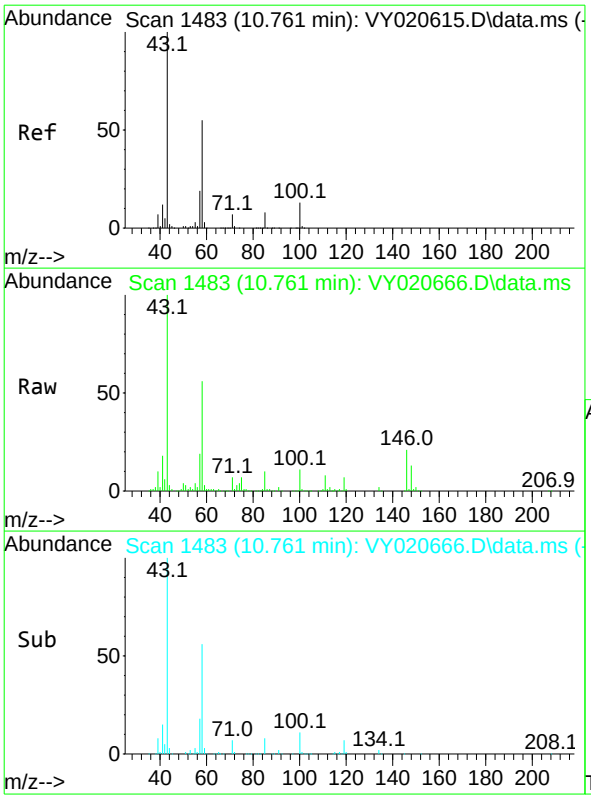


#58
2-Chloroethyl Vinyl ether
Concen: 102.533 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 63 Resp: 91434

Ion	Ratio	Lower	Upper
63	100		
106	42.0	21.5	32.3#

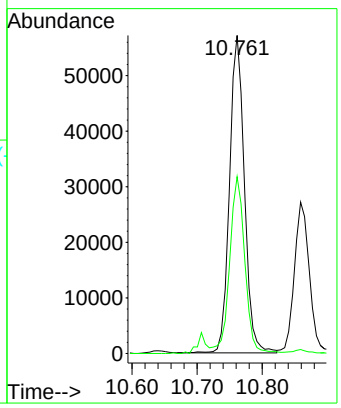




#59
2-Hexanone
Concen: 98.464 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 43 Resp: 90691

Ion	Ratio	Lower	Upper
43	100		
58	56.8	27.2	81.6



Instrument :
MSVOA_Y
ClientSampleId :
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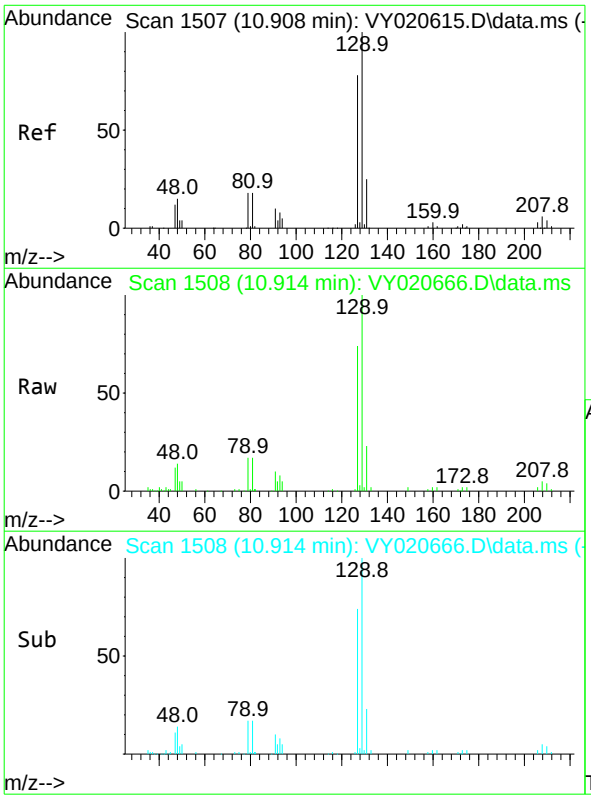
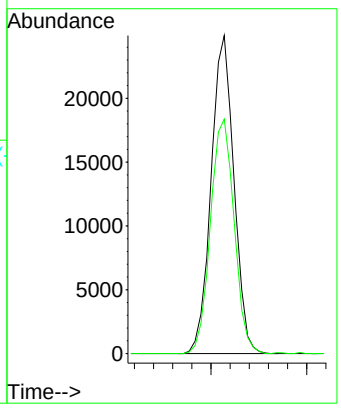
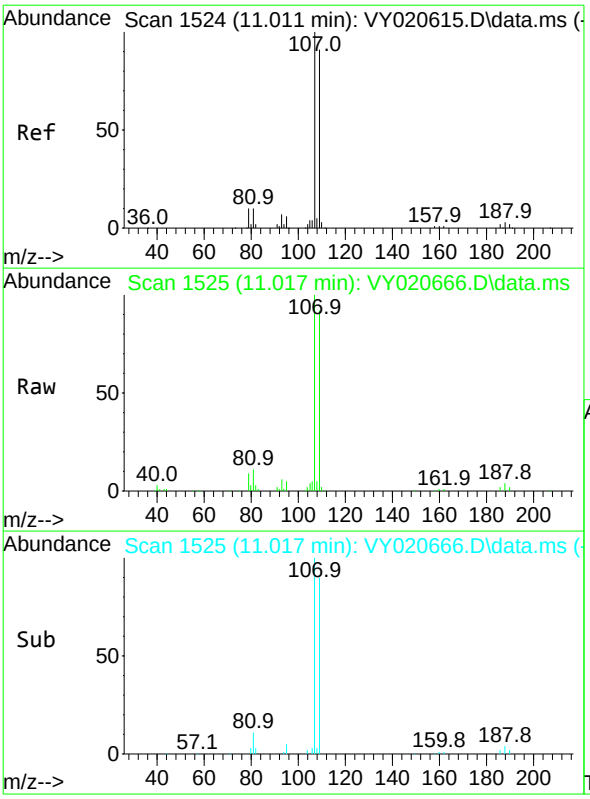


#60
Dibromochloromethane
Concen: 21.080 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:129 Resp: 41185

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.1	114.3

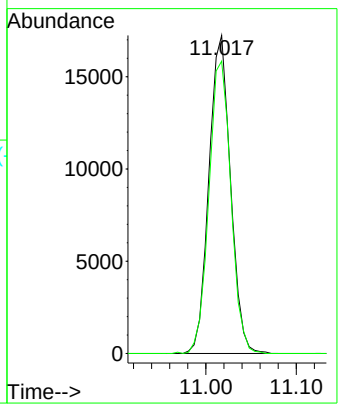




#61
1,2-Dibromoethane
Concen: 21.018 ug/l
RT: 11.017 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:107 Resp: 28561

Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.4	113.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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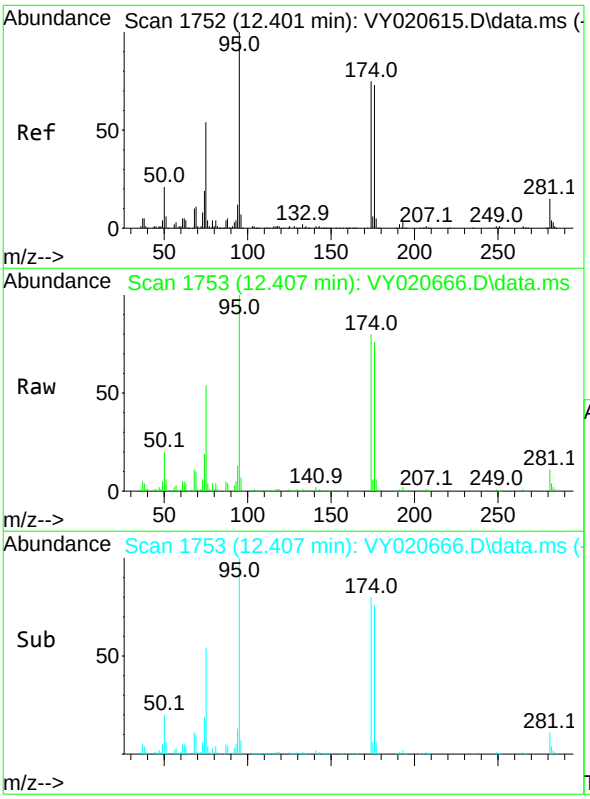
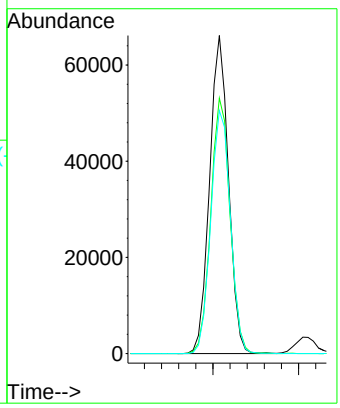
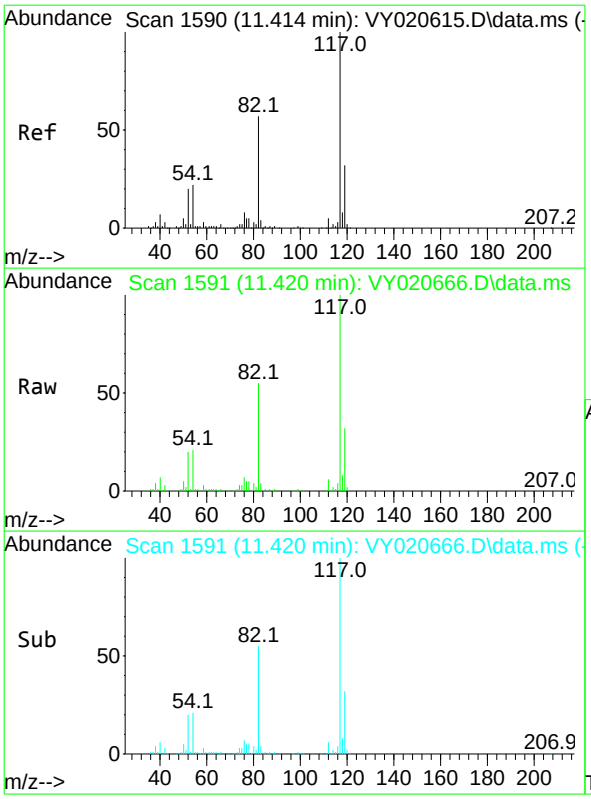


#62
4-Bromofluorobenzene
Concen: 44.220 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 95 Resp: 101336

Ion	Ratio	Lower	Upper
95	100		
174	81.8	0.0	161.8
176	79.2	0.0	156.6

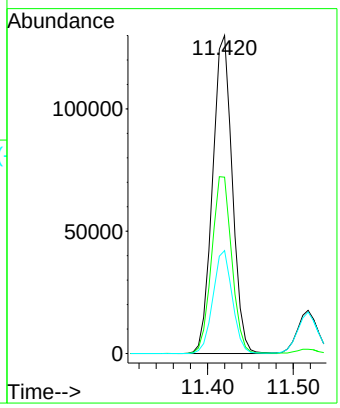




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:117 Resp: 207752

Ion	Ratio	Lower	Upper
117	100		
82	55.4	45.8	68.6
119	32.4	25.3	37.9



Instrument :
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ClientSampleId :
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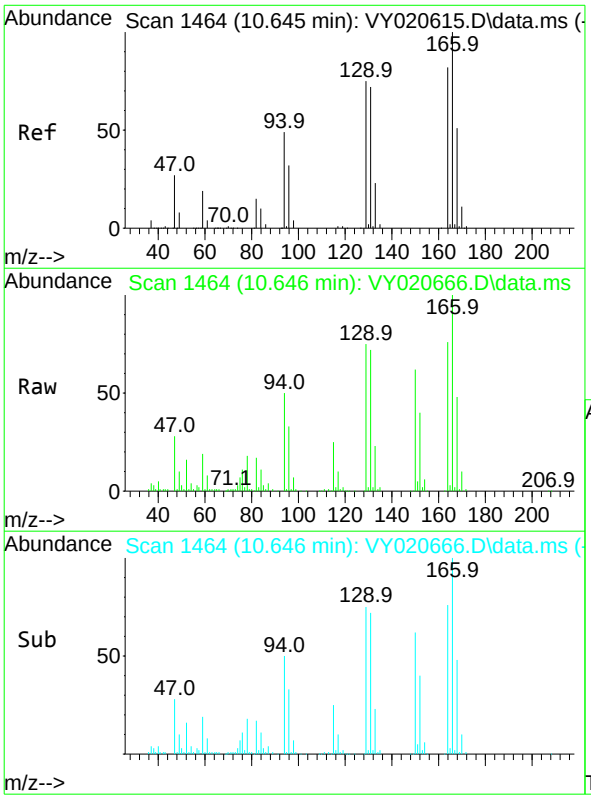
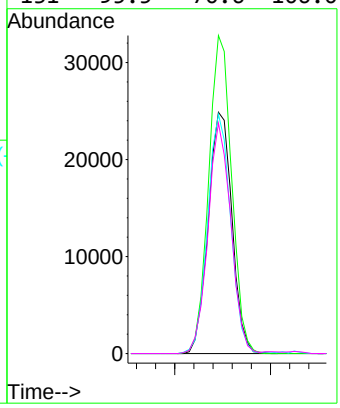
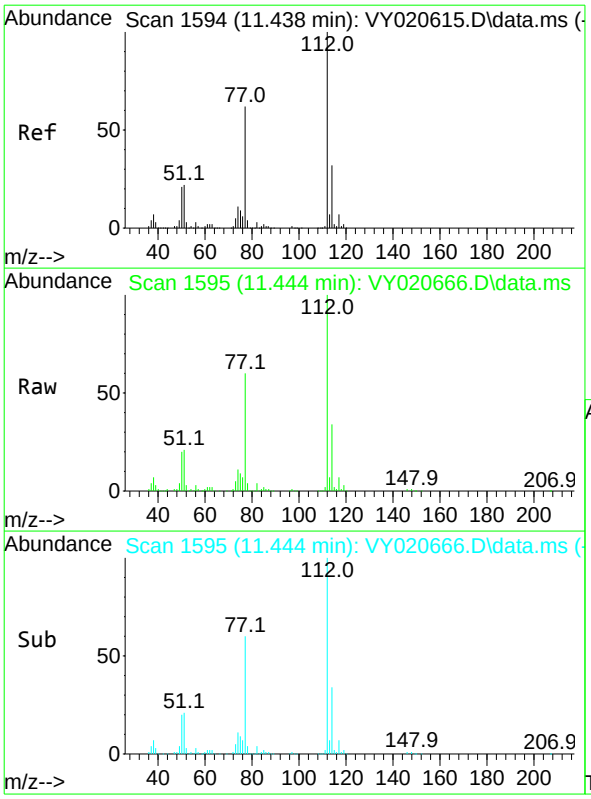


#64
Tetrachloroethene
Concen: 21.919 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:164 Resp: 42833

Ion	Ratio	Lower	Upper
164	100		
166	131.8	97.9	146.9
129	99.2	73.4	110.0
131	95.5	70.6	106.0





#65
Chlorobenzene
Concen: 22.264 ug/l
RT: 11.444 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:112 Resp: 129331

Ion	Ratio	Lower	Upper
112	100		
114	33.6	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
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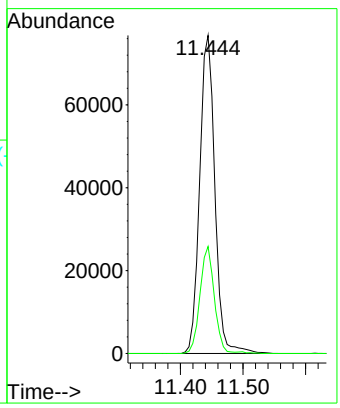
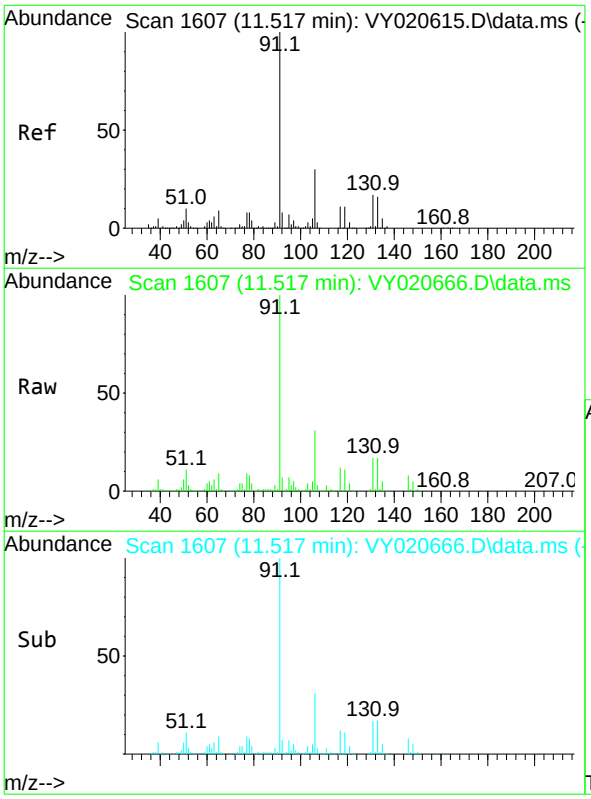
Supervised By :Mahesh Dadoda 12/24/2024

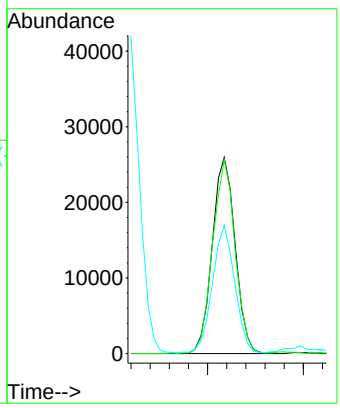


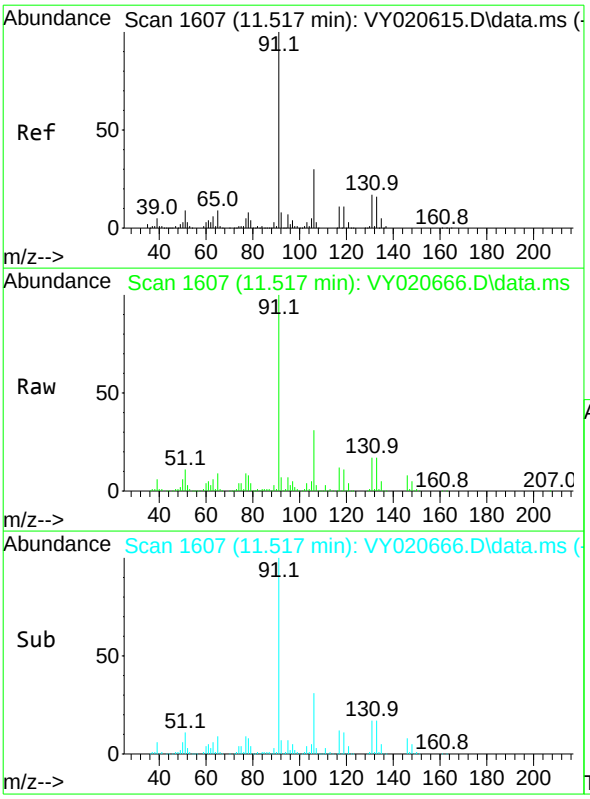


#66
1,1,1,2-Tetrachloroethane
Concen: 21.675 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:131 Resp: 43055

Ion	Ratio	Lower	Upper
131	100		
133	97.1	46.8	140.3
119	64.4	31.8	95.3

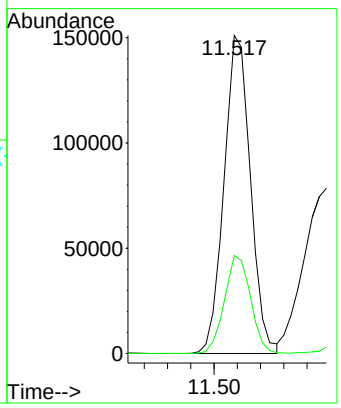




#67
Ethyl Benzene
Concen: 22.248 ug/l
RT: 11.517 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 91 Resp: 238433

Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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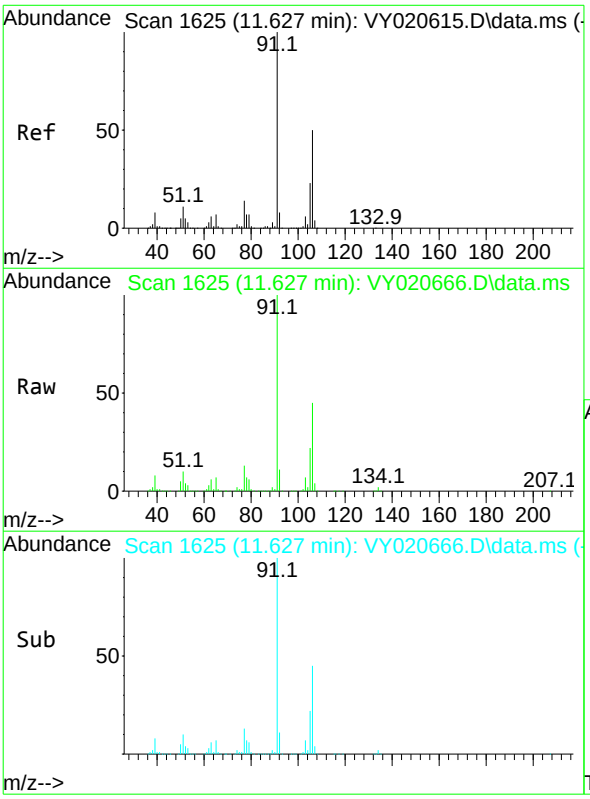
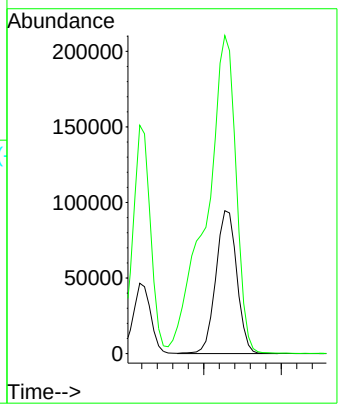
Supervised By :Mahesh Dadoda 12/24/2024

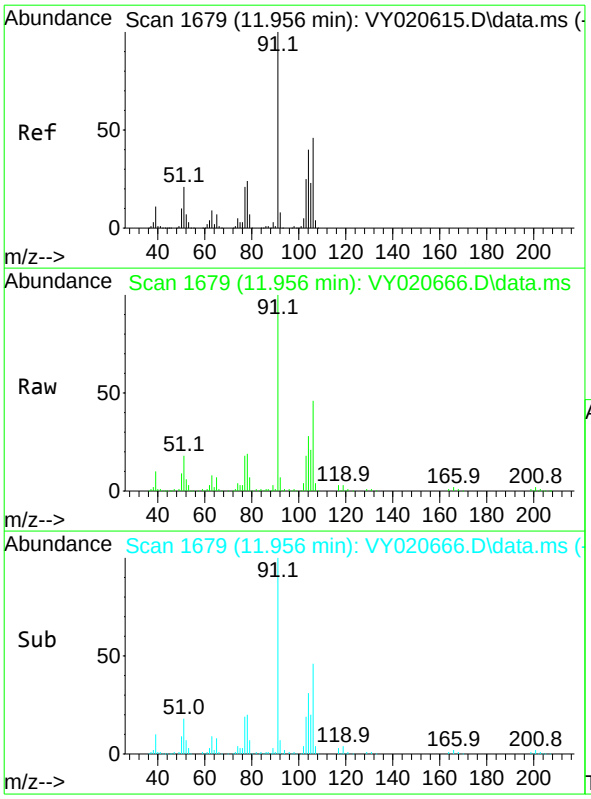


#68
m/p-Xylenes
Concen: 44.684 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:106 Resp: 178050

Ion	Ratio	Lower	Upper
106	100		
91	314.7	165.0	247.4#





#69
o-Xylene
Concen: 22.185 ug/l
RT: 11.956 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:106 Resp: 82478

Ion	Ratio	Lower	Upper
106	100		
91	215.3	108.4	325.2

Instrument :
MSVOA_Y
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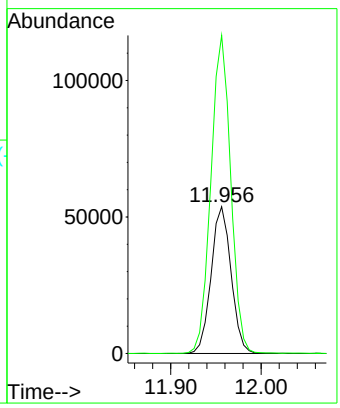
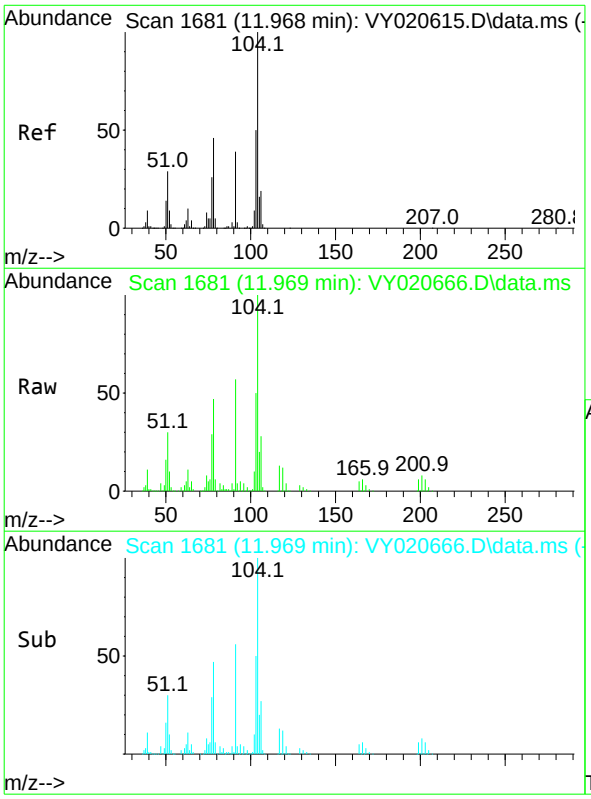
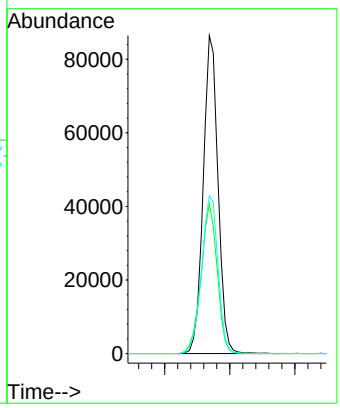


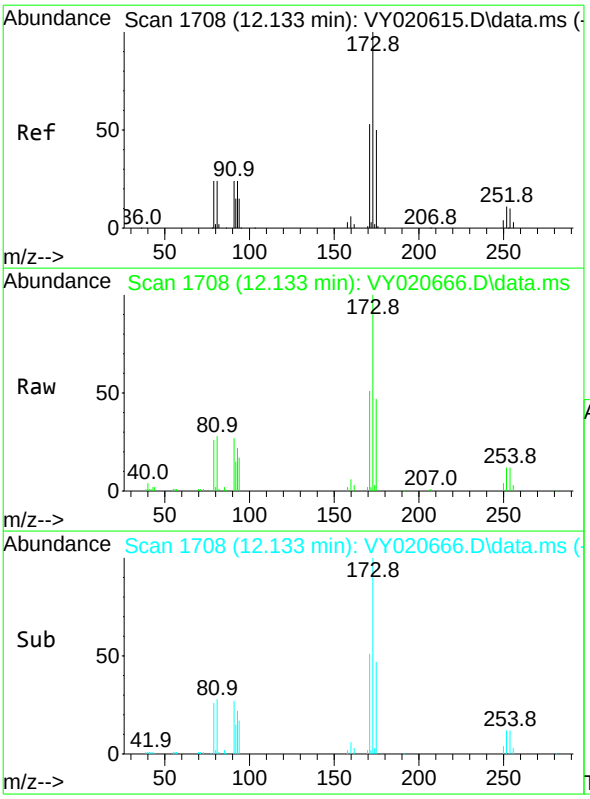


#70
Styrene
Concen: 21.974 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:104 Resp: 136494

Ion	Ratio	Lower	Upper
104	100		
78	51.3	41.6	62.4
103	54.9	43.7	65.5





#71
Bromoform
Concen: 20.889 ug/l
RT: 12.133 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:173 Resp: 23329

Ion	Ratio	Lower	Upper
173	100		
175	50.7	24.6	74.0
254	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
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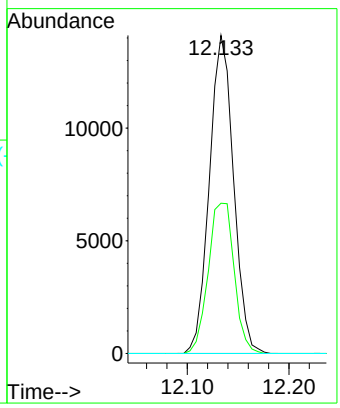
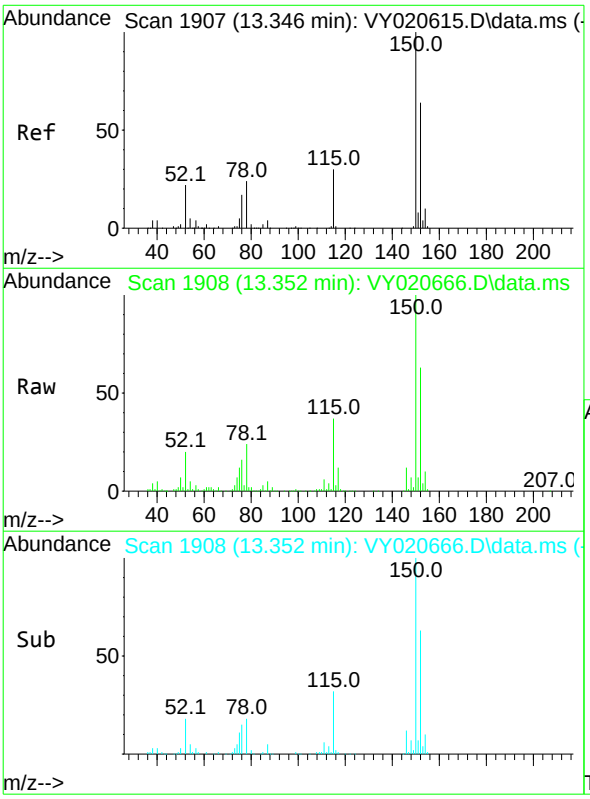
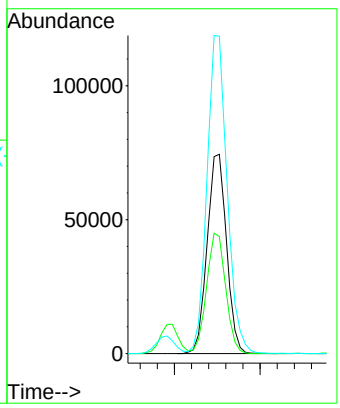


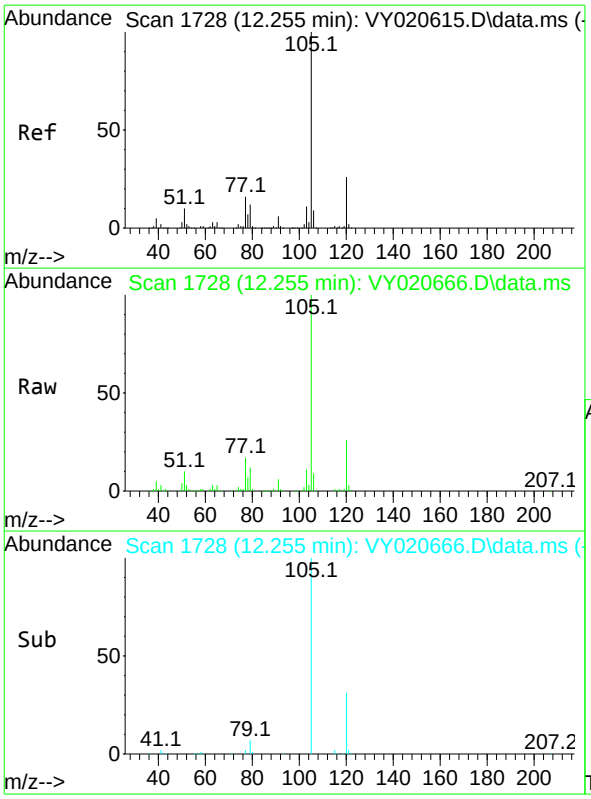


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:152 Resp: 116933

Ion	Ratio	Lower	Upper
152	100		
115	59.5	30.2	90.6
150	165.3	0.0	355.4

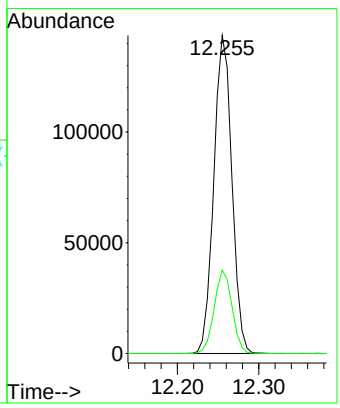




#73
Isopropylbenzene
Concen: 21.727 ug/l
RT: 12.255 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:105 Resp: 221703

Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
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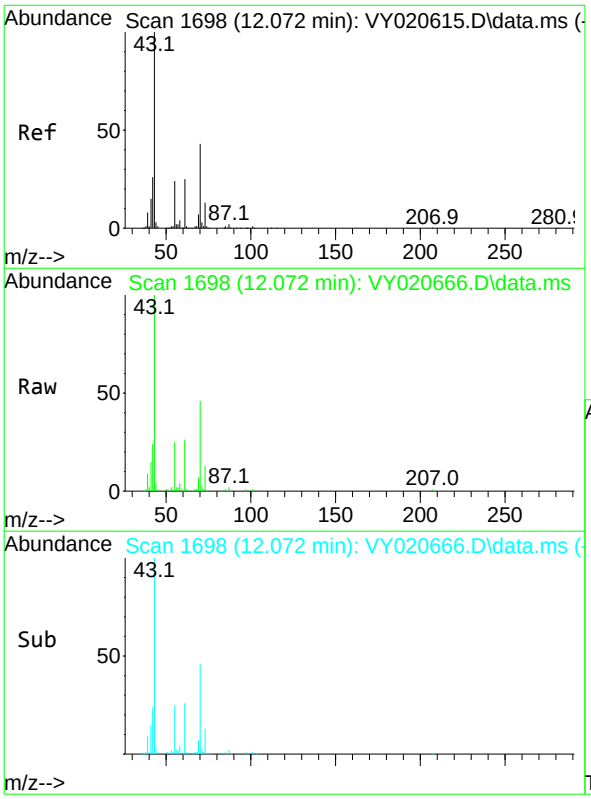
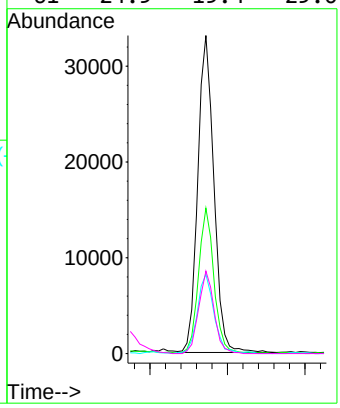
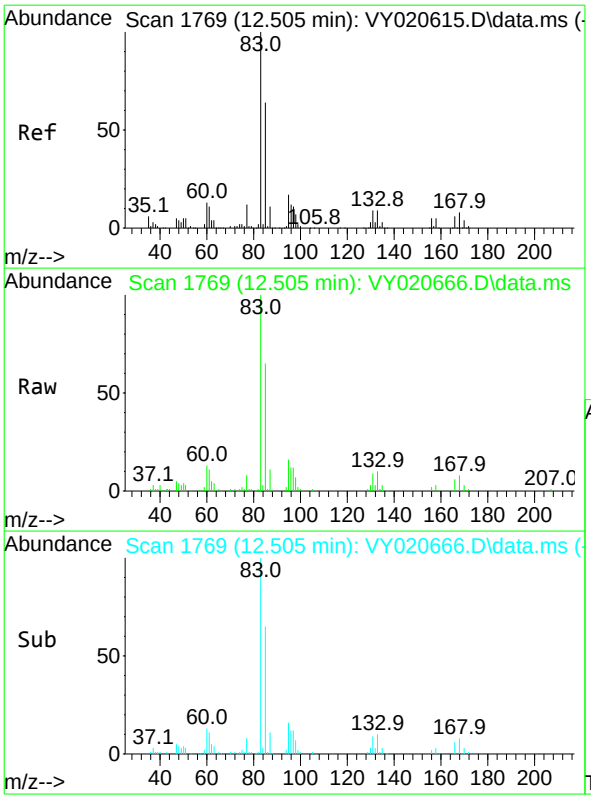


#74
N-amyl acetate
Concen: 20.036 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 43 Resp: 47848

Ion	Ratio	Lower	Upper
43	100		
70	44.5	34.2	51.2
55	26.1	19.6	29.4
61	24.9	19.4	29.0

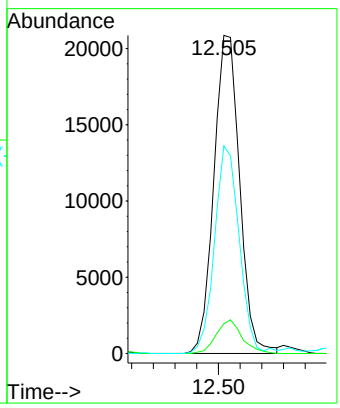




#75
1,1,2,2-Tetrachloroethane
Concen: 20.778 ug/l
RT: 12.505 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 83 Resp: 34416

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	62.7	32.5	97.4



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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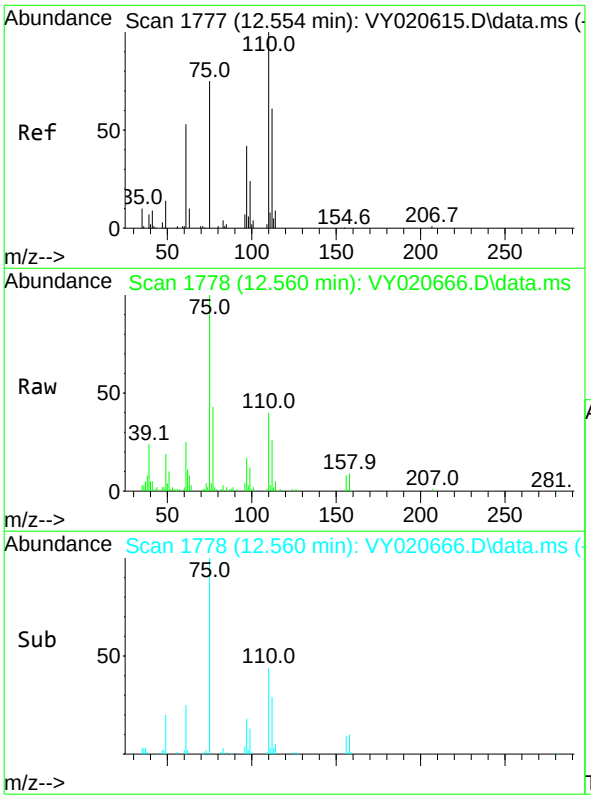
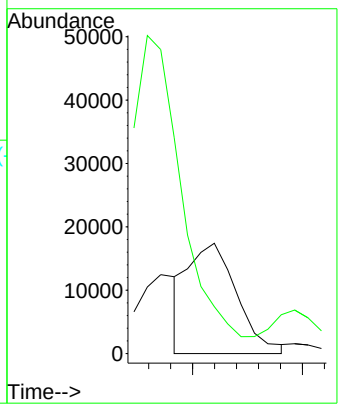
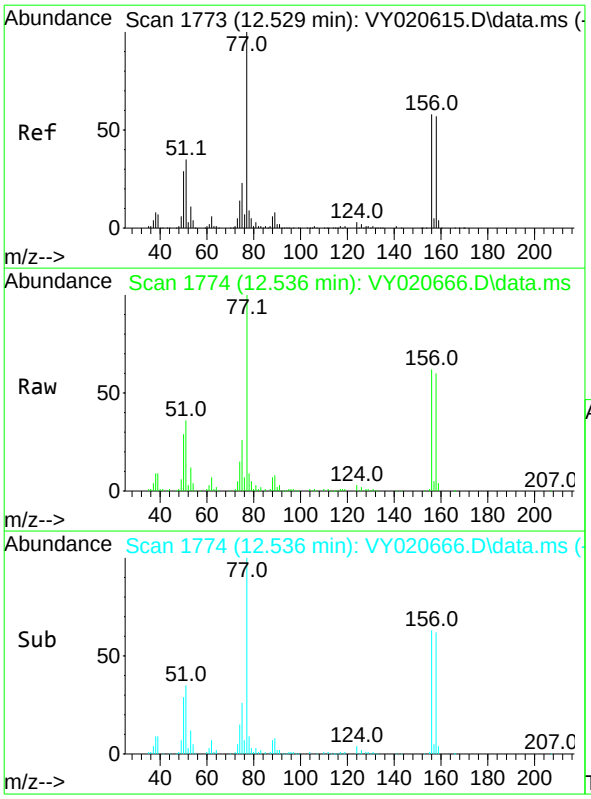


#76
1,2,3-Trichloropropane
Concen: 22.270 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 75 Resp: 27051

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

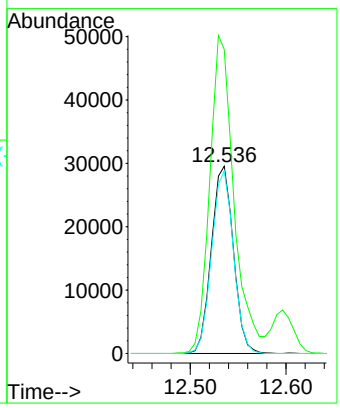




#77
Bromobenzene
Concen: 21.282 ug/l
RT: 12.536 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:156 Resp: 47306

Ion	Ratio	Lower	Upper
156	100		
77	185.1	94.2	282.4
158	96.5	48.9	146.6



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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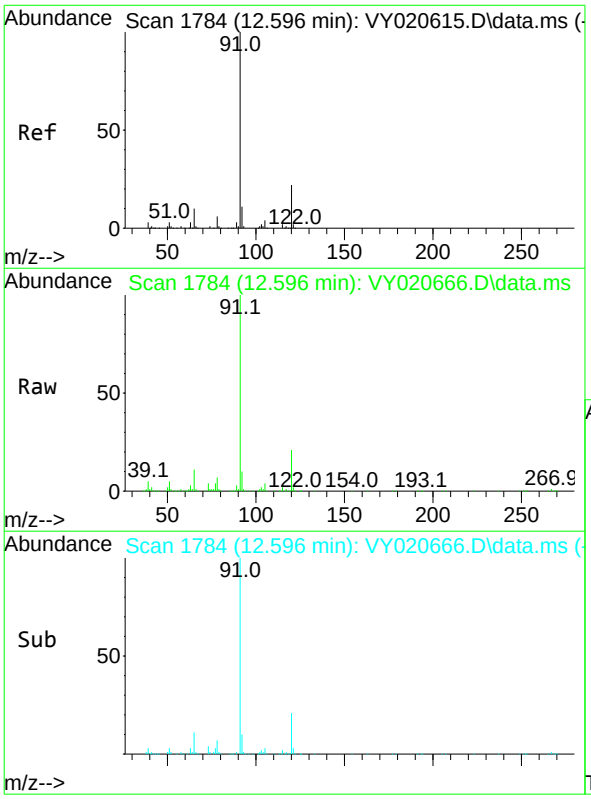
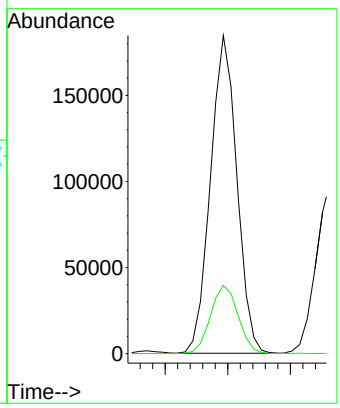
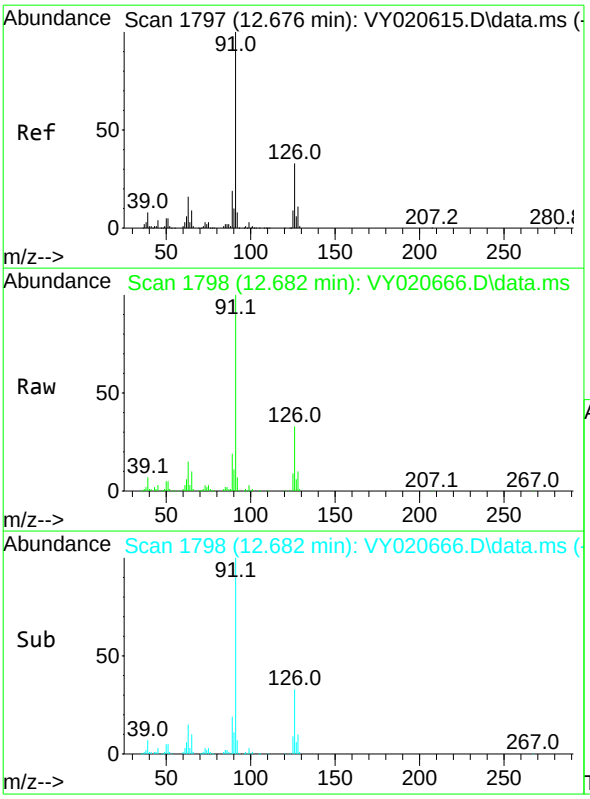


#78
n-propylbenzene
Concen: 21.981 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 91 Resp: 270238

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1





#79
2-Chlorotoluene
Concen: 21.727 ug/l
RT: 12.682 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 91 Resp: 150281

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.6	49.7

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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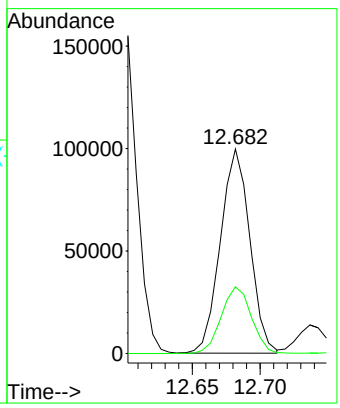
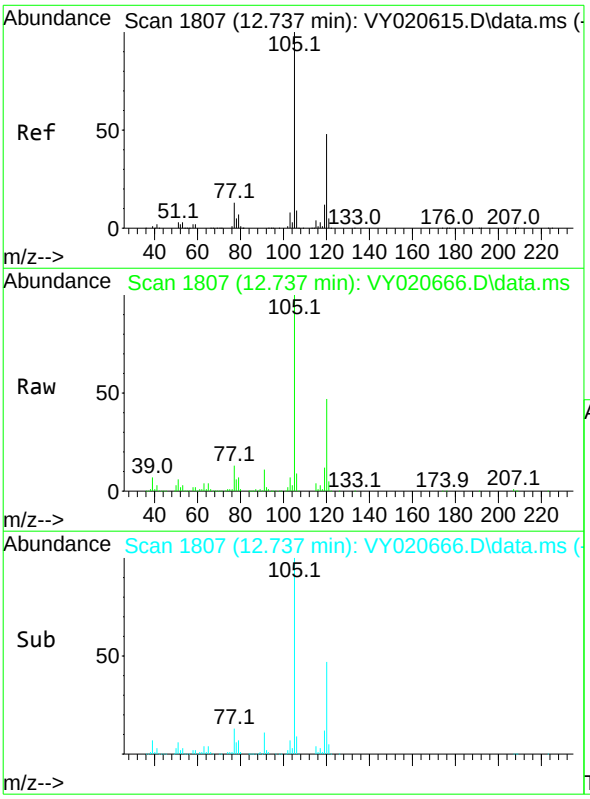
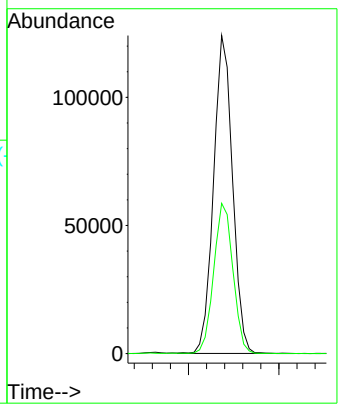


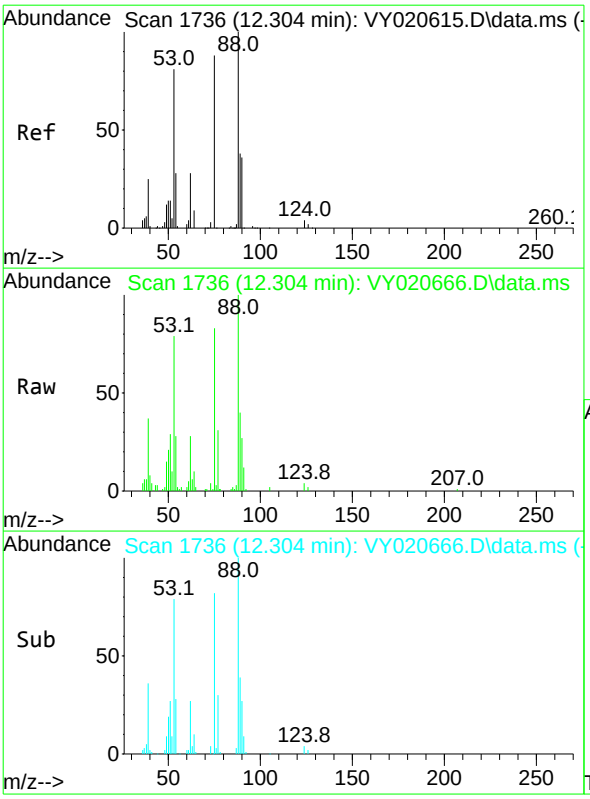


#80
1,3,5-Trimethylbenzene
Concen: 21.827 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:105 Resp: 180725

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 20.297 ug/l
RT: 12.304 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 75 Resp: 11746

Ion	Ratio	Lower	Upper
75	100		
53	95.4	75.4	113.2
89	46.6	37.0	55.4

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Manual Integrations
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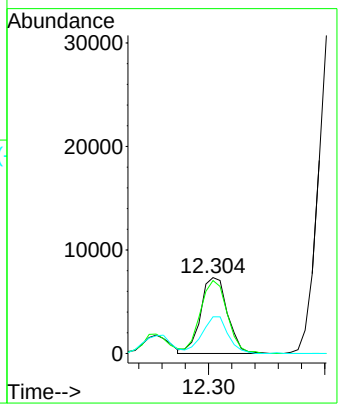
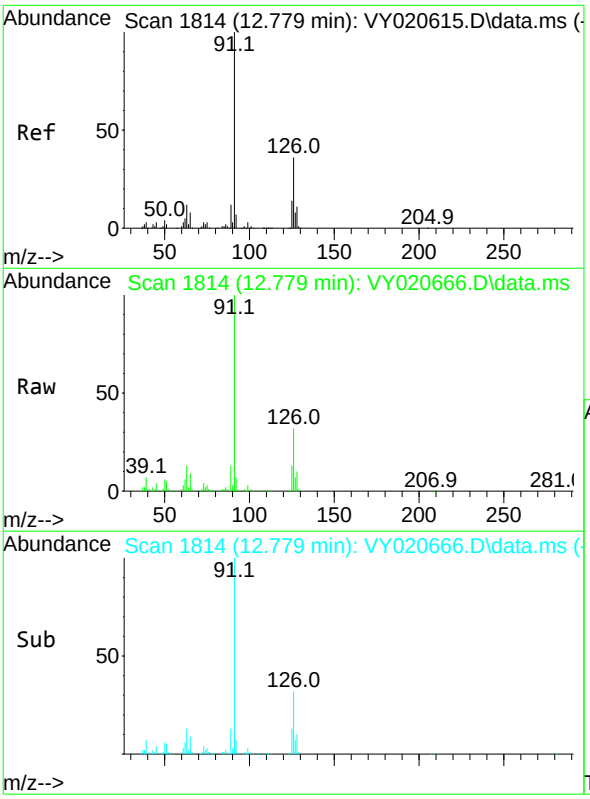
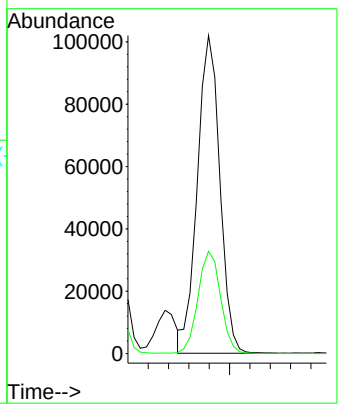


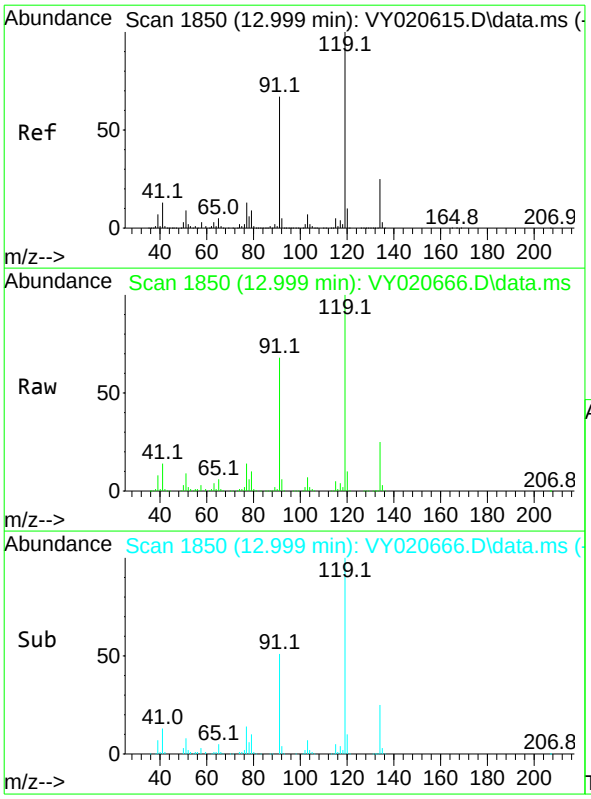


#82
4-Chlorotoluene
Concen: 21.784 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 91 Resp: 156322

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.6	49.7

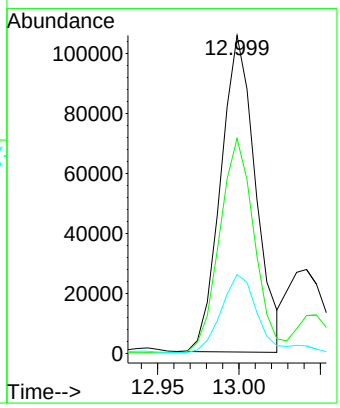




#83
tert-Butylbenzene
Concen: 20.934 ug/l
RT: 12.999 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:119 Resp: 156978

Ion	Ratio	Lower	Upper
119	100		
91	68.0	32.9	98.6
134	27.6	13.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

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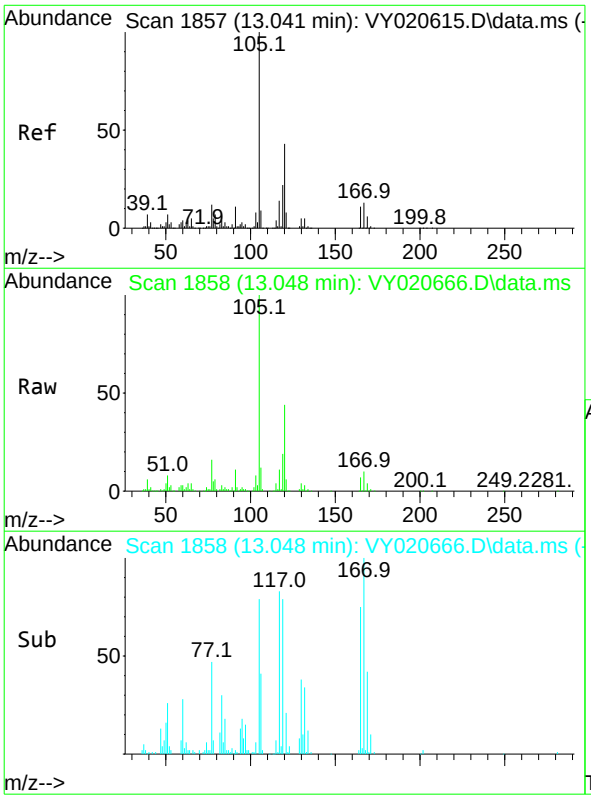
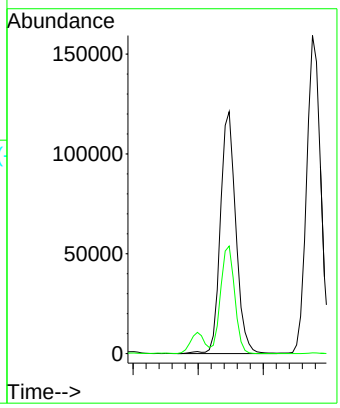
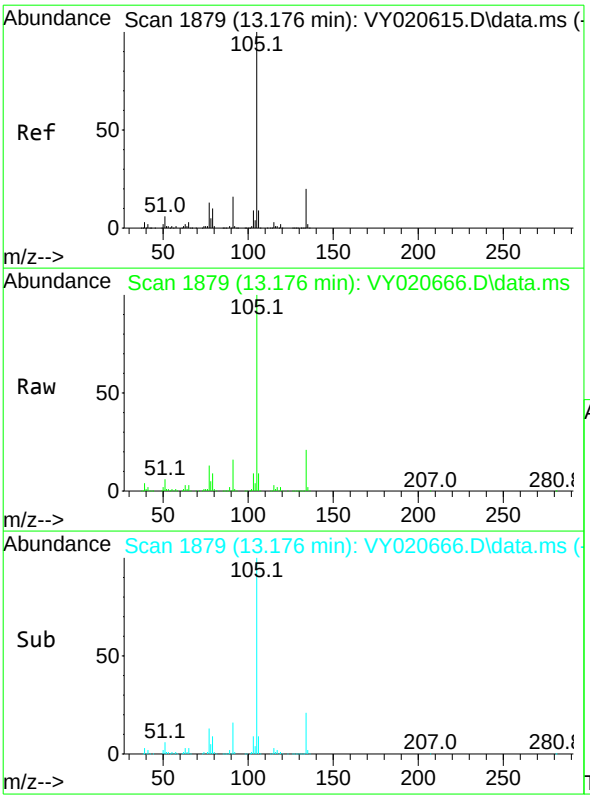


#84
1,2,4-Trimethylbenzene
Concen: 24.542 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:105 Resp: 199323

Ion	Ratio	Lower	Upper
105	100		
120	40.6	21.8	65.4

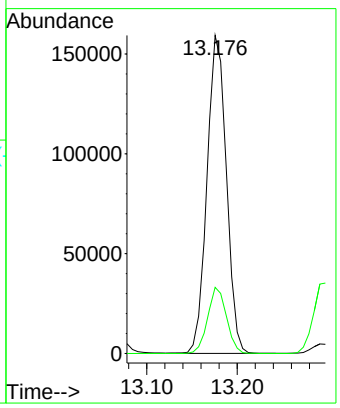




#85
sec-Butylbenzene
Concen: 21.761 ug/l
RT: 13.176 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:105 Resp: 237258

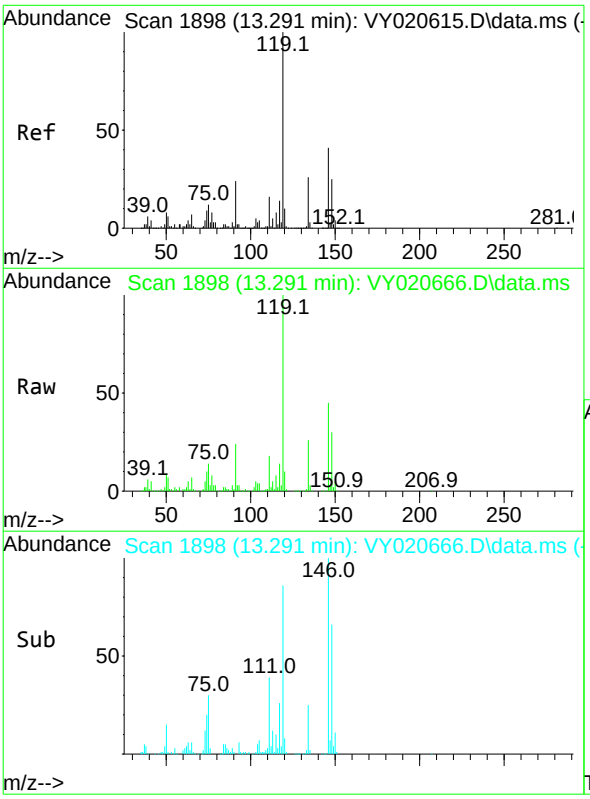
Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Manual Integrations
APPROVED

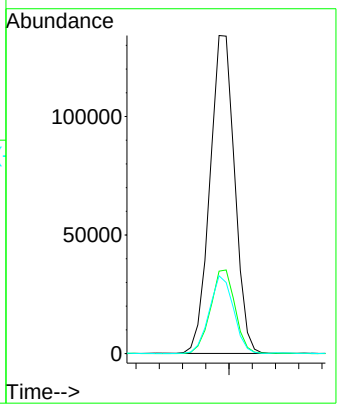
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

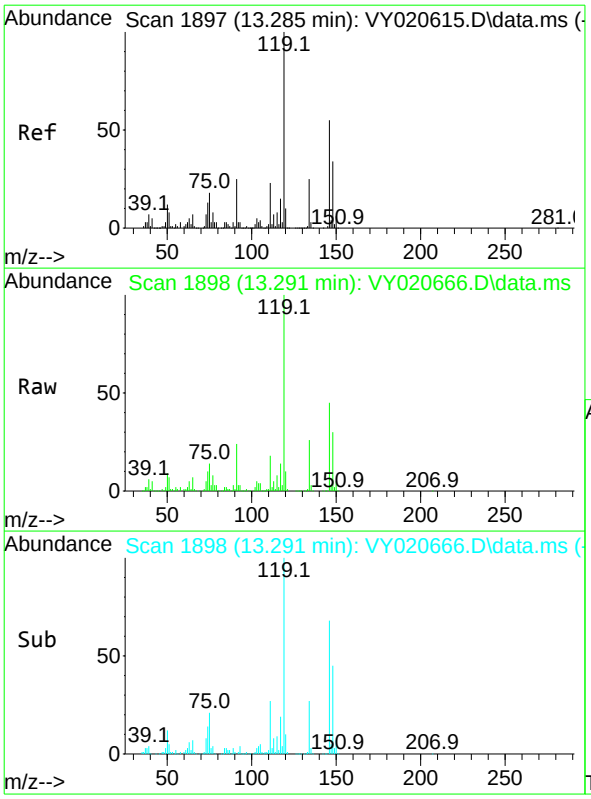


#86
p-Isopropyltoluene
Concen: 22.057 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:119 Resp: 198272

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.9	38.6
91	24.1	12.1	36.3

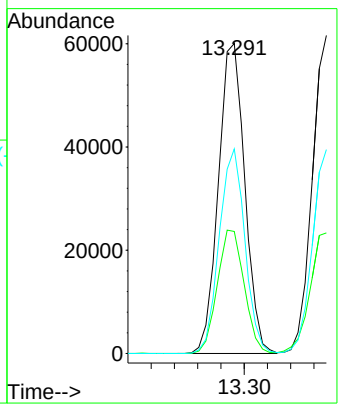




#87
1,3-Dichlorobenzene
Concen: 21.610 ug/l
RT: 13.291 min Scan# 18
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:146 Resp: 94820

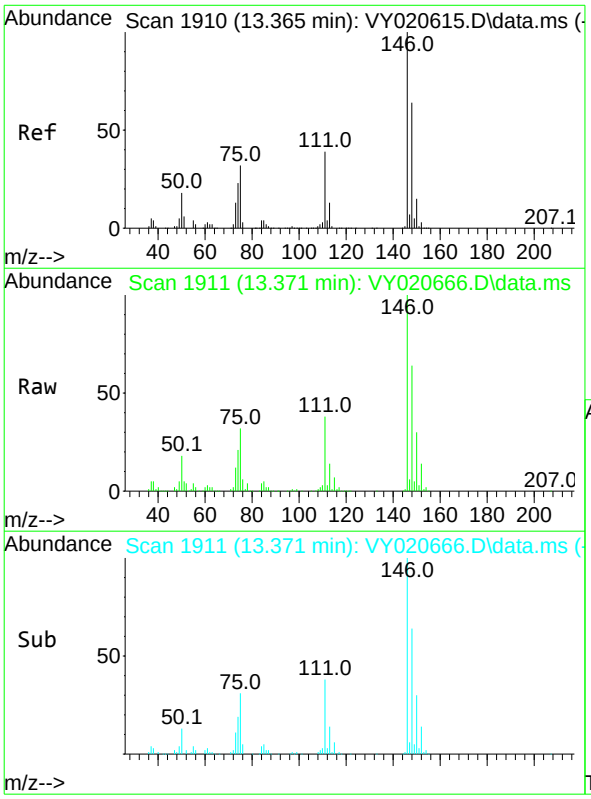
Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.6	61.8
148	64.1	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Manual Integrations
APPROVED

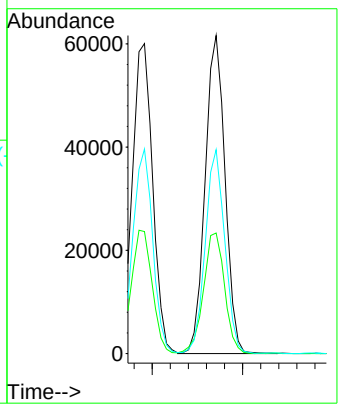
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

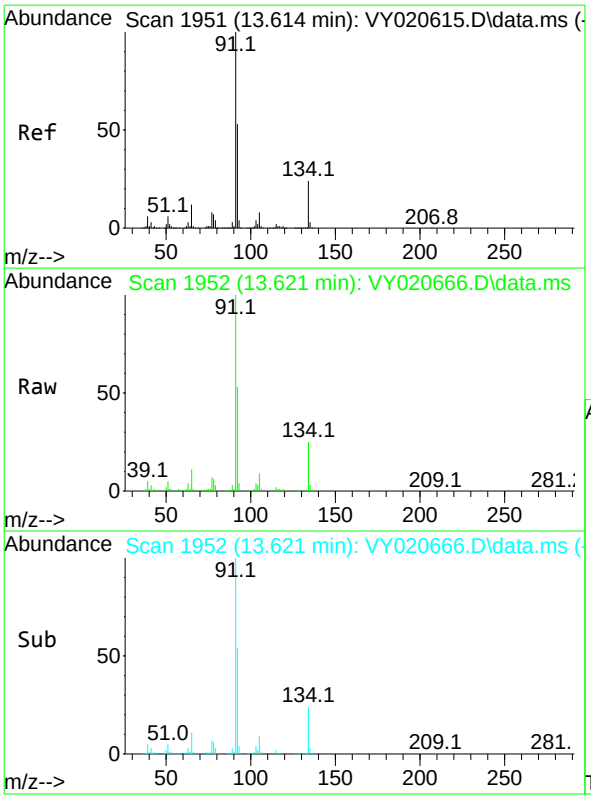


#88
1,4-Dichlorobenzene
Concen: 21.648 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:146 Resp: 94077

Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.6	58.7
148	62.8	31.9	95.5





#89
n-Butylbenzene
Concen: 22.293 ug/l
RT: 13.621 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

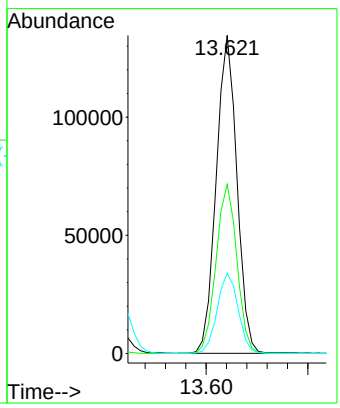
Tgt Ion: 91 Resp: 189919

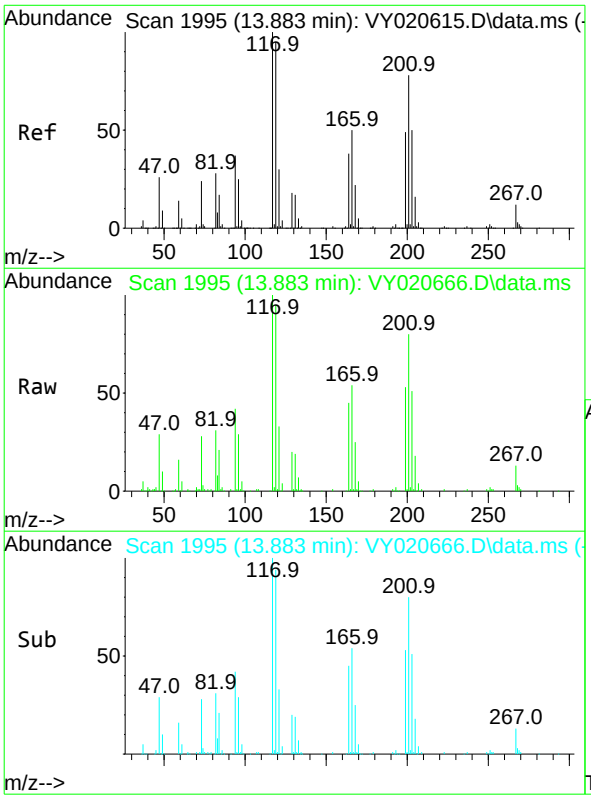
Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.8	80.4
134	25.6	12.5	37.5

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

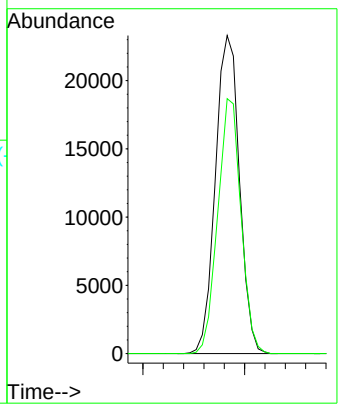


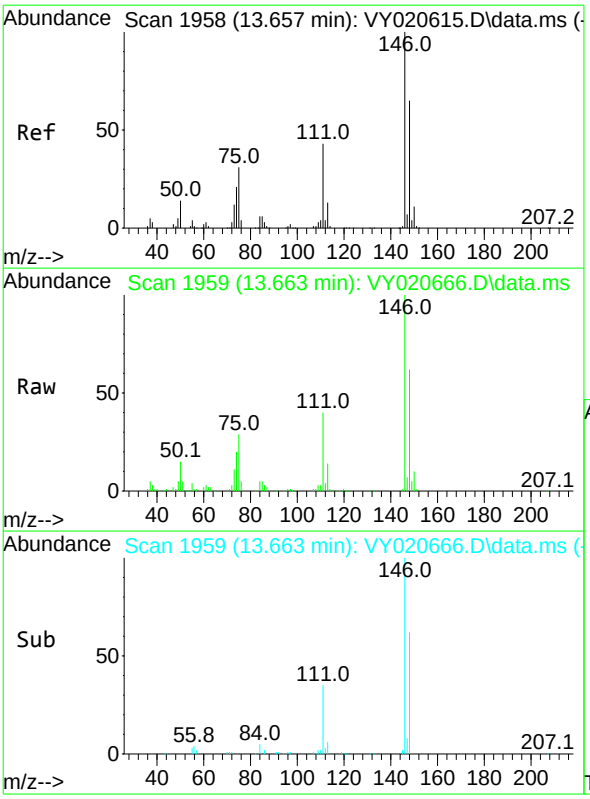


#90
Hexachloroethane
Concen: 21.500 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:117 Resp: 38301

Ion	Ratio	Lower	Upper
117	100		
201	77.4	39.1	117.3

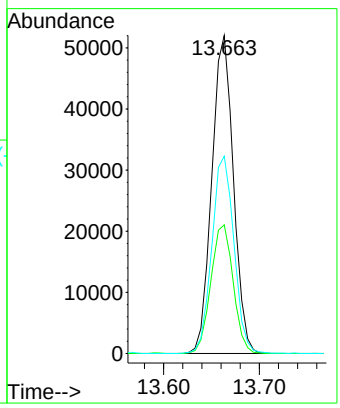




#91
1,2-Dichlorobenzene
Concen: 21.456 ug/l
RT: 13.663 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:146 Resp: 81571

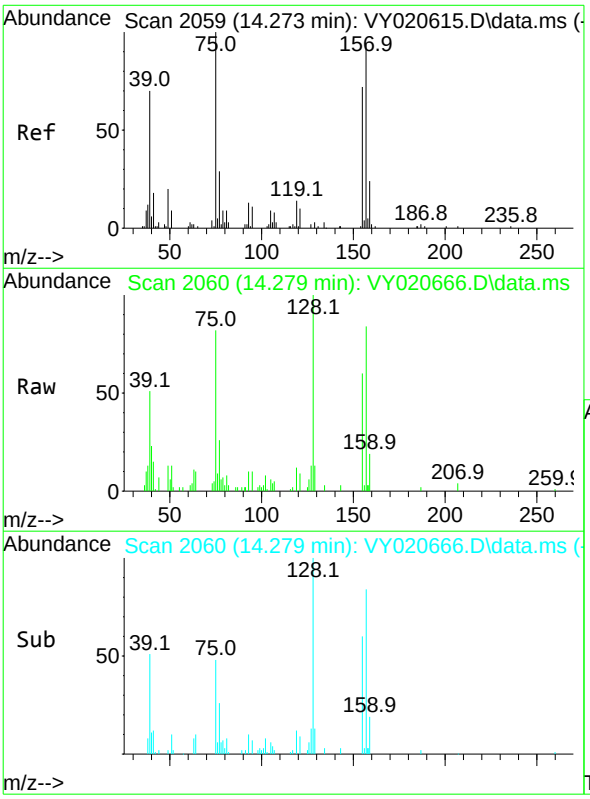
Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.3	63.7
148	63.7	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Manual Integrations
APPROVED

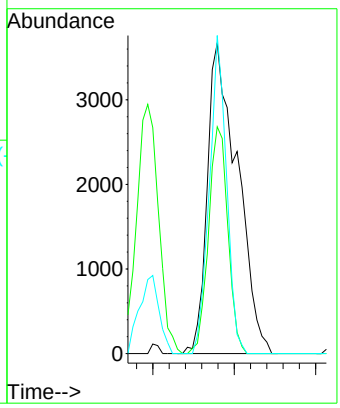
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

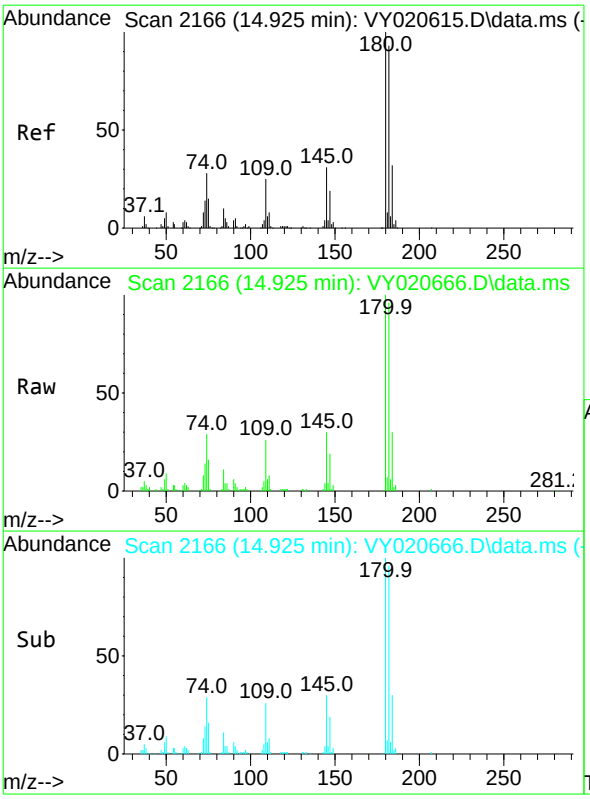


#92
1,2-Dibromo-3-Chloropropane
Concen: 35.007 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 75 Resp: 9414

Ion	Ratio	Lower	Upper
75	100		
155	46.9	41.1	123.3
157	58.3	52.9	158.8

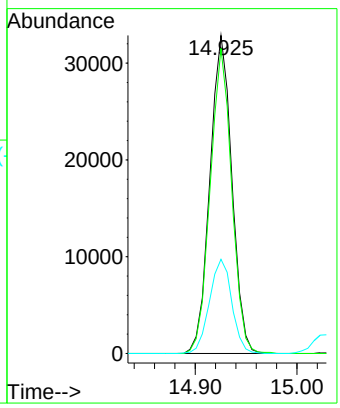




#93
1,2,4-Trichlorobenzene
Concen: 21.424 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:180 Resp: 49266

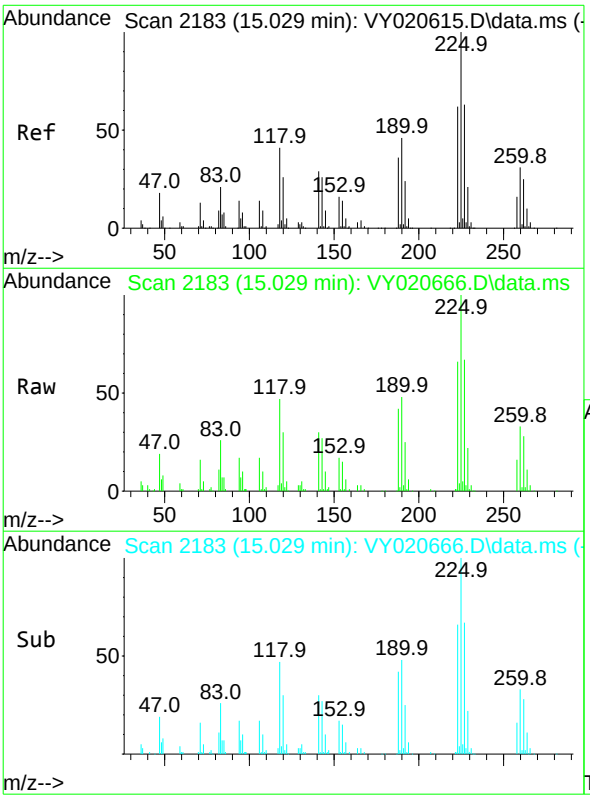
Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.9	143.6
145	30.2	15.6	46.7



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Manual Integrations
APPROVED

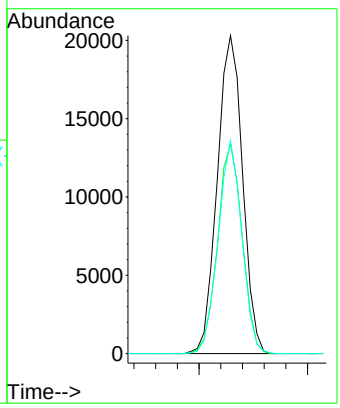
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024

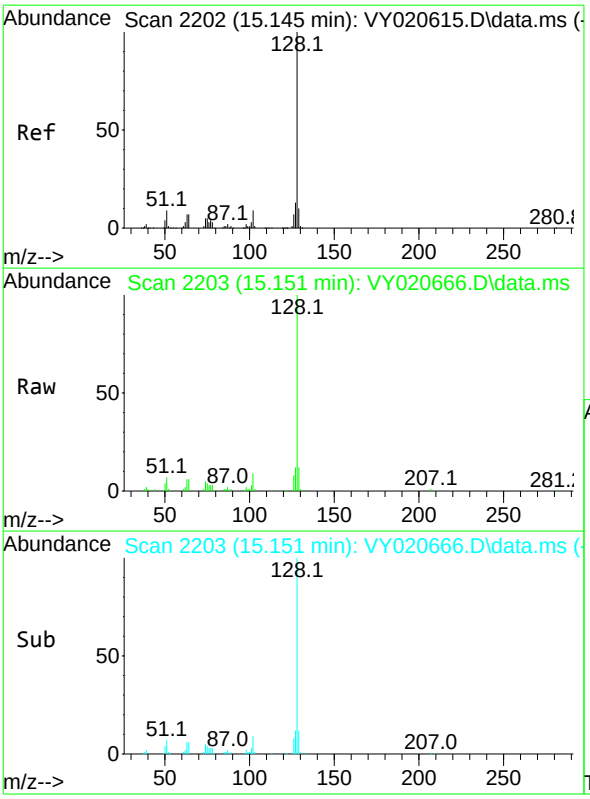


#94
Hexachlorobutadiene
Concen: 21.854 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:225 Resp: 32852

Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.8	95.3
227	62.7	32.2	96.6

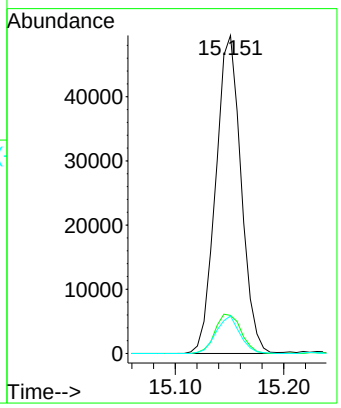




#95
Naphthalene
Concen: 20.350 ug/l
RT: 15.151 min Scan# 22
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:128 Resp: 80228

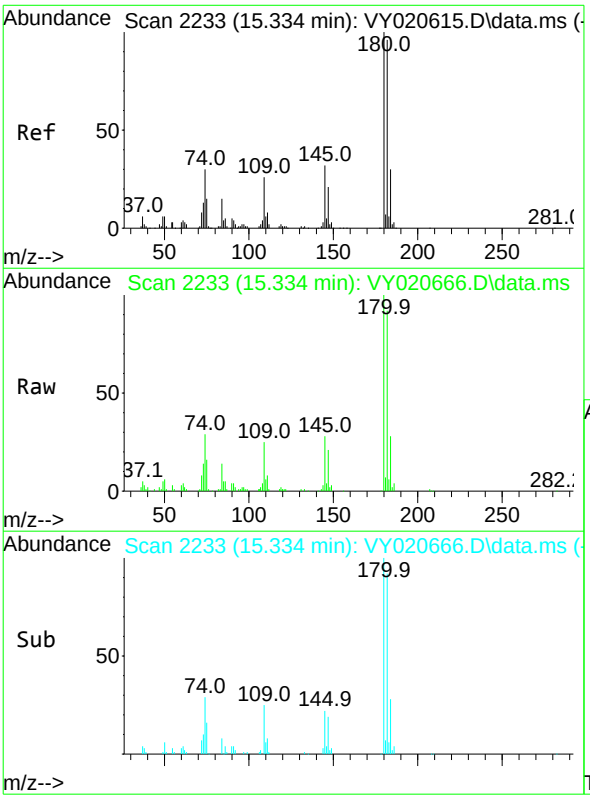
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.7	16.1
129	11.1	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Manual Integrations
APPROVED

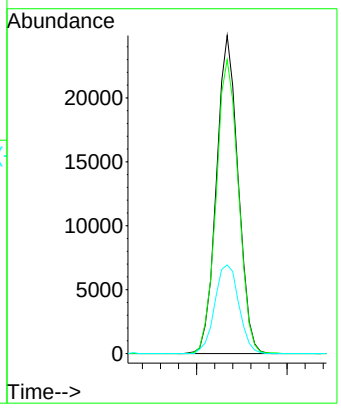
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024



#96
1,2,3-Trichlorobenzene
Concen: 21.307 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:180 Resp: 41397

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.3	141.9
145	31.0	16.0	48.0



Raw Data: **VY020715.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VY1226SBS01	SDG No.:	P5316
Lab Sample ID:	VY1226SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY020715.D	1		12/26/24 14:32	VY122624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-01-4	Vinyl Chloride	17.7		0.77	2.50	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.1		0.78	2.50	5.00	ug/Kg
67-64-1	Acetone	94.4		6.20	20.0	25.0	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.6		0.67	2.50	5.00	ug/Kg
75-09-2	Methylene Chloride	20.7		3.40	8.00	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.0		0.84	2.50	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.7		0.63	2.50	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	20.0	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.7		0.87	2.50	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.3		0.61	2.50	5.00	ug/Kg
67-66-3	Chloroform	20.1		0.67	4.00	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.4		0.78	2.50	5.00	ug/Kg
71-43-2	Benzene	20.0		0.72	2.50	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.4		0.61	2.50	5.00	ug/Kg
79-01-6	Trichloroethene	19.4		0.75	2.50	5.00	ug/Kg
108-88-3	Toluene	20.3		0.67	2.50	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.9		0.89	2.50	5.00	ug/Kg
108-90-7	Chlorobenzene	19.8		0.74	2.50	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.2		0.62	2.50	5.00	ug/Kg
1330-20-7	Total Xylenes	62.3		2.10	7.50	15.0	ug/Kg
103-65-1	n-propylbenzene	20.0		0.64	2.50	5.00	ug/Kg
98-06-6	tert-Butylbenzene	19.8		0.67	2.50	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	20.0		1.40	2.50	5.00	ug/Kg
135-98-8	sec-Butylbenzene	20.0		0.67	2.50	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.7		0.74	2.50	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.9		0.80	2.50	5.00	ug/Kg
104-51-8	n-Butylbenzene	19.9		0.63	2.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.3		0.59	2.50	5.00	ug/Kg
123-91-1	1,4-Dioxane	450		42.5	80.0	100	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.0		71 - 136		110%	SPK: 50

Raw Data: **VY020715.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VY1226SBS01	SDG No.:	P5316
Lab Sample ID:	VY1226SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY020715.D	1		12/26/24 14:32	VY122624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1868-53-7	Dibromofluoromethane	52.1		78 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	50.6		85 - 116		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		79 - 119		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	120000	7.72				
540-36-3	1,4-Difluorobenzene	166000	8.622				
3114-55-4	Chlorobenzene-d5	139000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	74000	13.353				

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020715.D
Acq On : 26 Dec 2024 14:32
Operator : SY/MD
Sample : VY1226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 26 16:19:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.720	168	120044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	165739	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	139363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	74040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	54084	55.004	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.000%			
35) Dibromofluoromethane	7.640	113	47566	52.103	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.200%			
50) Toluene-d8	10.115	98	183793	50.606	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.220%			
62) 4-Bromofluorobenzene	12.414	95	62876	51.825	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 103.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	18836	19.935	ug/l	98
3) Chloromethane	2.074	50	6770	19.212	ug/l	93
4) Vinyl Chloride	2.214	62	7714	17.668	ug/l	89
5) Bromomethane	2.598	94	6509	19.745	ug/l	90
6) Chloroethane	2.745	64	4700	17.944	ug/l	96
7) Trichlorofluoromethane	3.074	101	32224	19.192	ug/l	99
8) Diethyl Ether	3.464	74	8143	20.381	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.830	101	18072	19.606	ug/l	98
10) Methyl Iodide	4.019	142	17304	17.167	ug/l	97
11) Tert butyl alcohol	4.860	59	7980	119.075	ug/l #	84
12) 1,1-Dichloroethene	3.806	96	15688	19.122	ug/l	87
13) Acrolein	3.659	56	2794	135.930	ug/l	97
14) Allyl chloride	4.397	41	18840	19.623	ug/l	96
15) Acrylonitrile	5.068	53	15561	100.820	ug/l	98
16) Acetone	3.885	43	11775	94.398	ug/l	96
17) Carbon Disulfide	4.117	76	37004	18.386	ug/l	99
18) Methyl Acetate	4.397	43	6995	20.720	ug/l	98
19) Methyl tert-butyl Ether	5.135	73	44886	19.629	ug/l	98
20) Methylene Chloride	4.629	84	16773	20.675	ug/l	89
21) trans-1,2-Dichloroethene	5.122	96	16777	18.976	ug/l	91
22) Diisopropyl ether	6.031	45	39231	20.101	ug/l	98
23) Vinyl Acetate	5.970	43	118423	101.585	ug/l	98
24) 1,1-Dichloroethane	5.933	63	28874	19.732	ug/l	97
25) 2-Butanone	6.909	43	17840	105.875	ug/l	98
26) 2,2-Dichloropropane	6.896	77	34412	19.214	ug/l	100
27) cis-1,2-Dichloroethene	6.909	96	20436	19.302	ug/l	99
28) Bromochloromethane	7.256	49	6829	17.648	ug/l	98
29) Tetrahydrofuran	7.268	42	10899	105.377	ug/l	97
30) Chloroform	7.433	83	37760	20.060	ug/l	94
31) Cyclohexane	7.713	56	24445	19.354	ug/l #	90
32) 1,1,1-Trichloroethane	7.628	97	39114	19.385	ug/l	99
36) 1,1-Dichloropropene	7.841	75	23598	19.569	ug/l	98
37) Ethyl Acetate	7.000	43	8566	21.556	ug/l	98
38) Carbon Tetrachloride	7.823	117	39187	19.734	ug/l	99
39) Methylcyclohexane	9.116	83	30514	19.742	ug/l	96
40) Benzene	8.091	78	69851	19.987	ug/l	99

Sample Results: **VY020715.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020715.D
Acq On : 26 Dec 2024 14:32
Operator : SY/MD
Sample : VY1226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 26 16:19:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.232	41	3741m	18.637 ug/l		
42) 1,2-Dichloroethane	8.165	62	22857	20.396 ug/l		99
43) Isopropyl Acetate	8.207	43	16685	19.754 ug/l	#	90
44) Trichloroethene	8.872	130	20214	19.365 ug/l		96
45) 1,2-Dichloropropane	9.146	63	14072	19.891 ug/l		96
46) Dibromomethane	9.238	93	9956	20.339 ug/l		98
47) Bromodichloromethane	9.433	83	27211	19.608 ug/l		99
48) Methyl methacrylate	9.231	41	7854	19.912 ug/l		96
49) 1,4-Dioxane	9.238	88	2078	445.671 ug/l		95
51) 4-Methyl-2-Pentanone	10.006	43	42819	105.031 ug/l		100
52) Toluene	10.176	92	48544	20.266 ug/l		98
53) t-1,3-Dichloropropene	10.402	75	24065	19.744 ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	26207	19.616 ug/l		99
55) 1,1,2-Trichloroethane	10.579	97	12505	20.014 ug/l		94
56) Ethyl methacrylate	10.445	69	16177	19.708 ug/l		97
57) 1,3-Dichloropropane	10.725	76	21343	21.046 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	27555	96.265 ug/l		100
59) 2-Hexanone	10.768	43	28183	104.703 ug/l		98
60) Dibromochloromethane	10.920	129	19953	19.763 ug/l		97
61) 1,2-Dibromoethane	11.024	107	11889	20.222 ug/l		100
64) Tetrachloroethene	10.652	164	19878	20.877 ug/l		97
65) Chlorobenzene	11.451	112	54119	19.832 ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.524	131	21666	20.493 ug/l		98
67) Ethyl Benzene	11.524	91	96550	20.244 ug/l		99
68) m/p-Xylenes	11.633	106	75635	41.573 ug/l		97
69) o-Xylene	11.963	106	35970	20.693 ug/l		98
70) Styrene	11.975	104	59026	20.228 ug/l		99
71) Bromoform	12.139	173	12535	20.623 ug/l	#	99
73) Isopropylbenzene	12.261	105	101462	19.780 ug/l		99
74) N-amyl acetate	12.079	43	14718	20.191 ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	13746	20.903 ug/l		96
76) 1,2,3-Trichloropropane	12.566	75	10539m	22.380 ug/l		
77) Bromobenzene	12.536	156	22761	19.276 ug/l		99
78) n-propylbenzene	12.603	91	114949	19.993 ug/l		99
79) 2-Chlorotoluene	12.688	91	65099	19.862 ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	84854	19.855 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	4908	20.601 ug/l		98
82) 4-Chlorotoluene	12.786	91	67579	19.951 ug/l		100
83) tert-Butylbenzene	13.005	119	78963	19.784 ug/l		100
84) 1,2,4-Trimethylbenzene	13.048	105	83301	20.030 ug/l		98
85) sec-Butylbenzene	13.182	105	107364	19.960 ug/l		100
86) p-Isopropyltoluene	13.298	119	94876	19.792 ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	45455	19.696 ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	45797	19.948 ug/l		98
89) n-Butylbenzene	13.627	91	79827	19.949 ug/l		98
90) Hexachloroethane	13.889	117	17599	19.307 ug/l		98
91) 1,2-Dichlorobenzene	13.670	146	40158	20.294 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	2581	20.237 ug/l		94
93) 1,2,4-Trichlorobenzene	14.926	180	23946	19.039 ug/l		98
94) Hexachlorobutadiene	15.029	225	18496	20.177 ug/l		98
95) Naphthalene	15.151	128	40300	20.005 ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	21103	20.151 ug/l		98

Sample Results: **VY020715.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020715.D
Acq On : 26 Dec 2024 14:32
Operator : SY/MD
Sample : VY1226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 26 16:19:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

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

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

Sample Results: **VY020715.D**

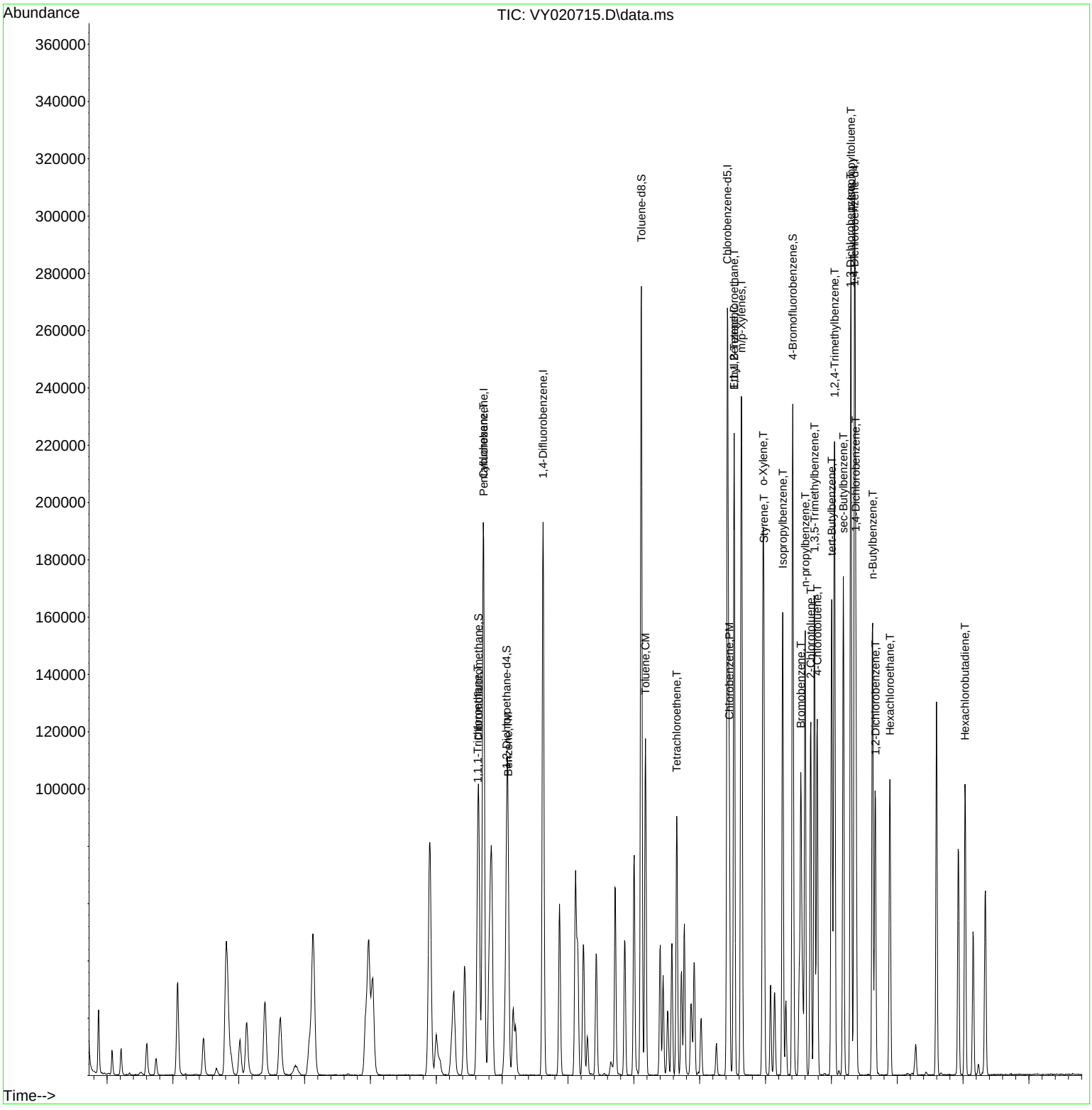
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020715.D
Acq On : 26 Dec 2024 14:32
Operator : SY/MD
Sample : VY1226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

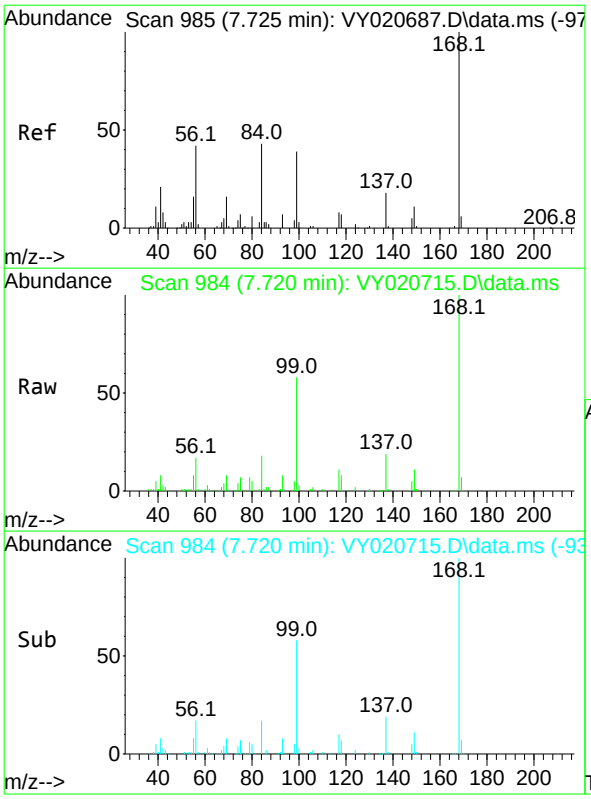
Quant Time: Dec 26 16:19:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

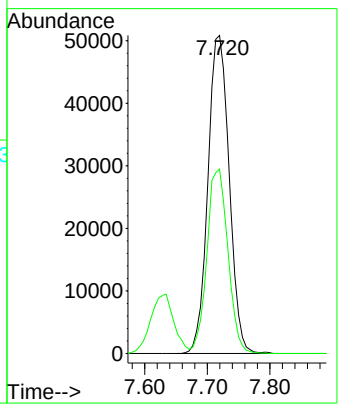




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 98
Delta R.T. -0.005 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:168 Resp: 120044

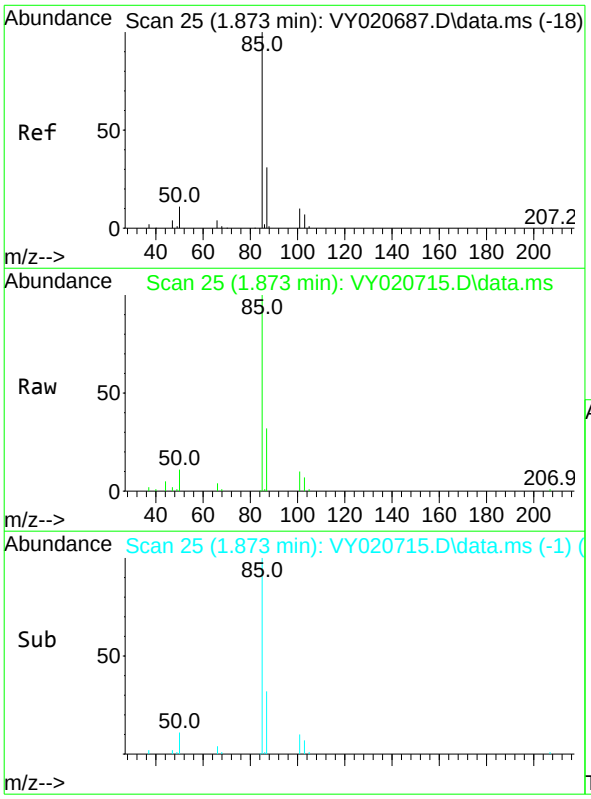
Ion	Ratio	Lower	Upper
168	100		
99	58.0	43.8	65.6



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Manual Integrations
APPROVED

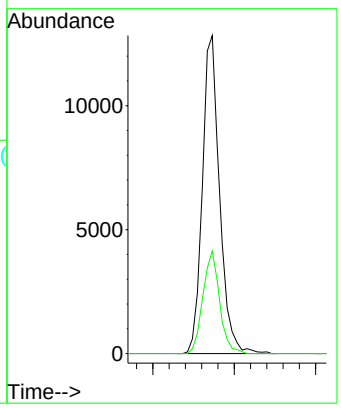
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

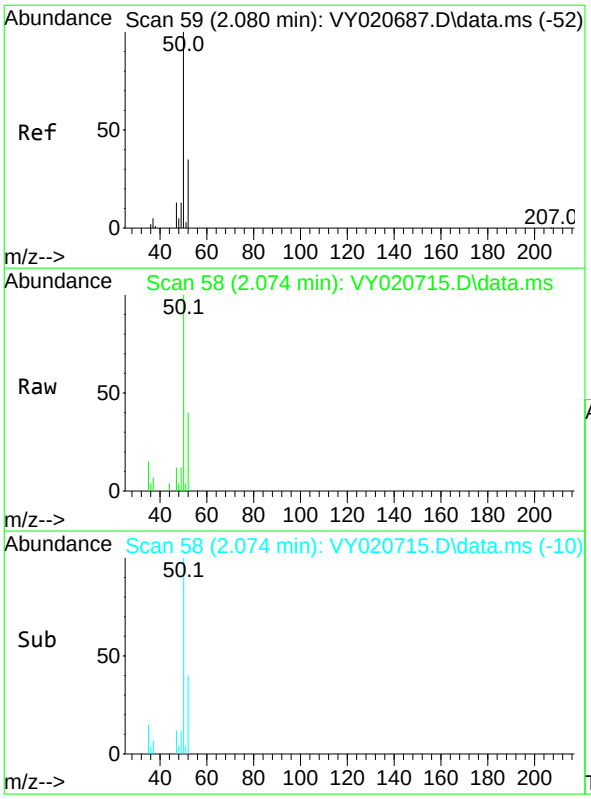


#2
Dichlorodifluoromethane
Concen: 19.935 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 85 Resp: 18836

Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.4	46.4

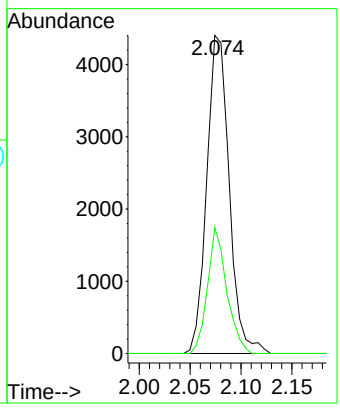




#3
Chloromethane
Concen: 19.212 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 50 Resp: 6770

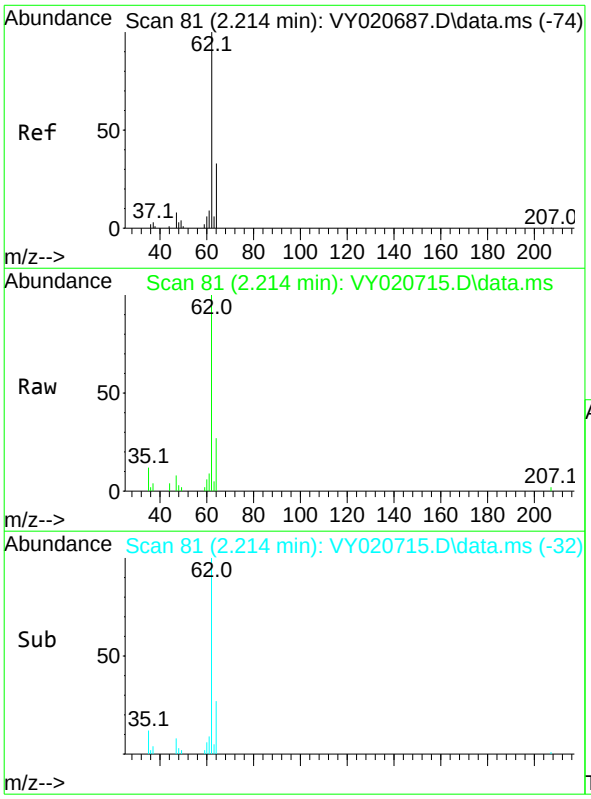
Ion	Ratio	Lower	Upper
50	100		
52	39.6	28.2	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Manual Integrations
APPROVED

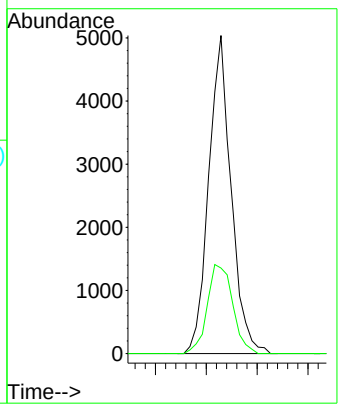
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

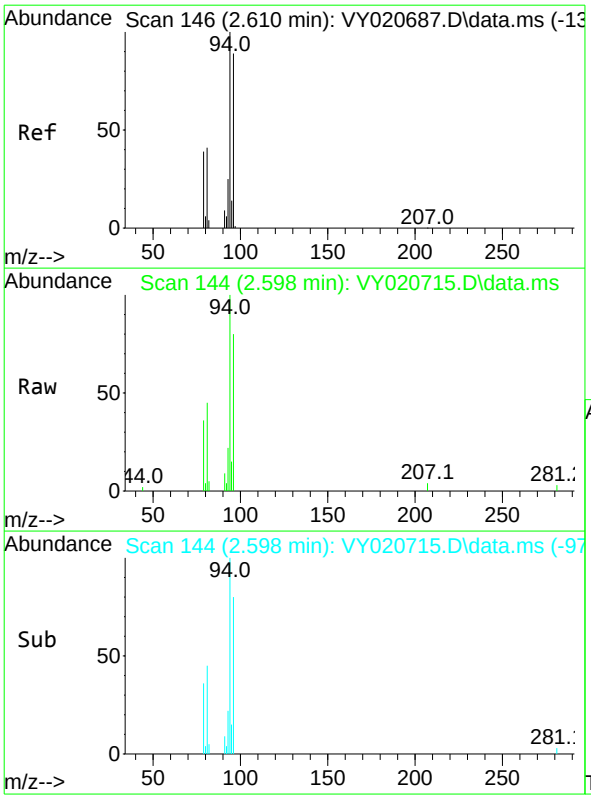


#4
Vinyl Chloride
Concen: 17.668 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 62 Resp: 7714

Ion	Ratio	Lower	Upper
62	100		
64	26.9	26.6	40.0

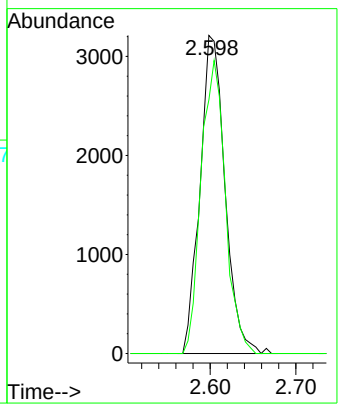




#5
Bromomethane
Concen: 19.745 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 94 Resp: 6509

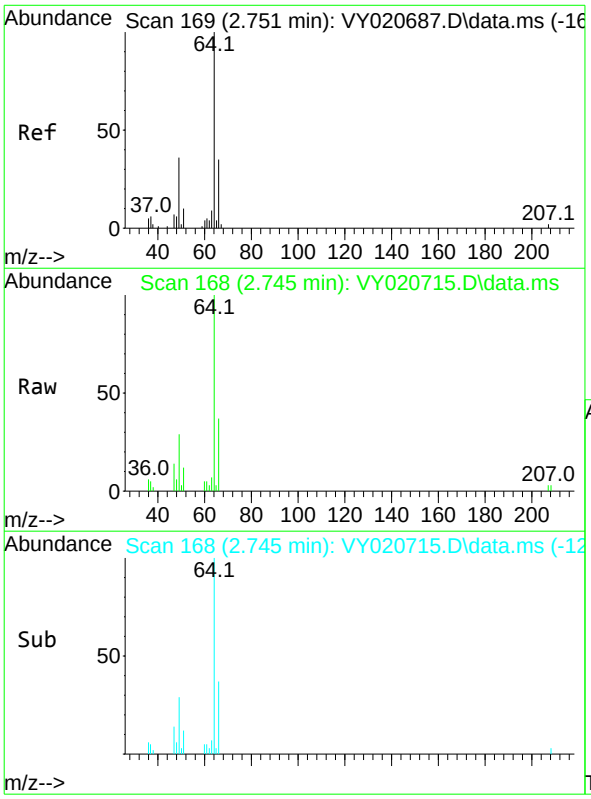
Ion	Ratio	Lower	Upper
94	100		
96	79.7	71.0	106.6



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Manual Integrations
APPROVED

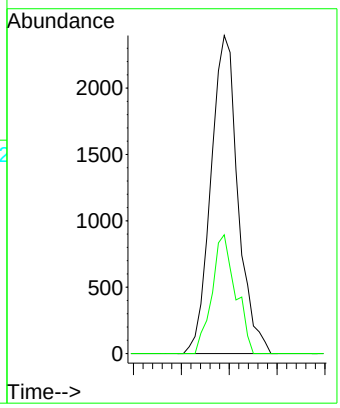
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

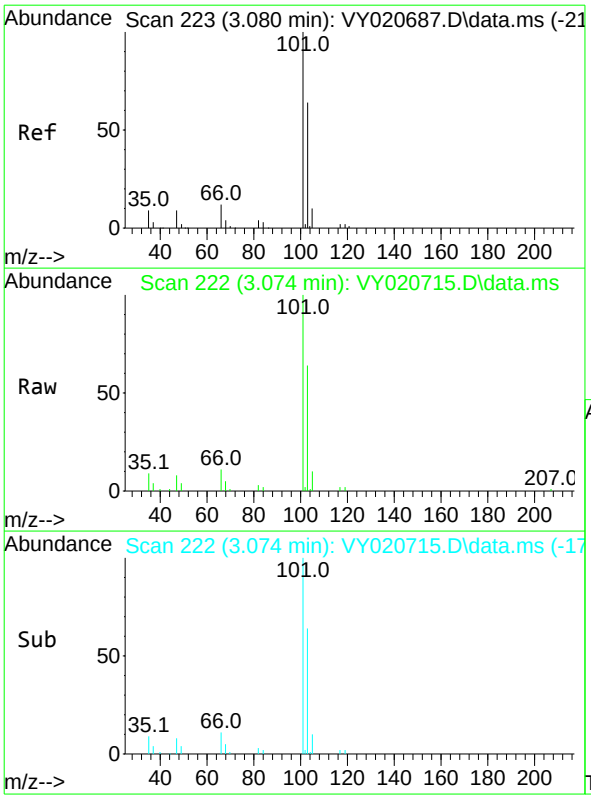


#6
Chloroethane
Concen: 17.944 ug/l
RT: 2.745 min Scan# 168
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 64 Resp: 4700

Ion	Ratio	Lower	Upper
64	100		
66	37.4	27.8	41.8

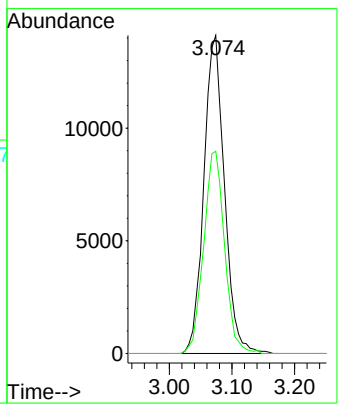




#7
Trichlorofluoromethane
Concen: 19.192 ug/l
RT: 3.074 min Scan# 22
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:101 Resp: 32224

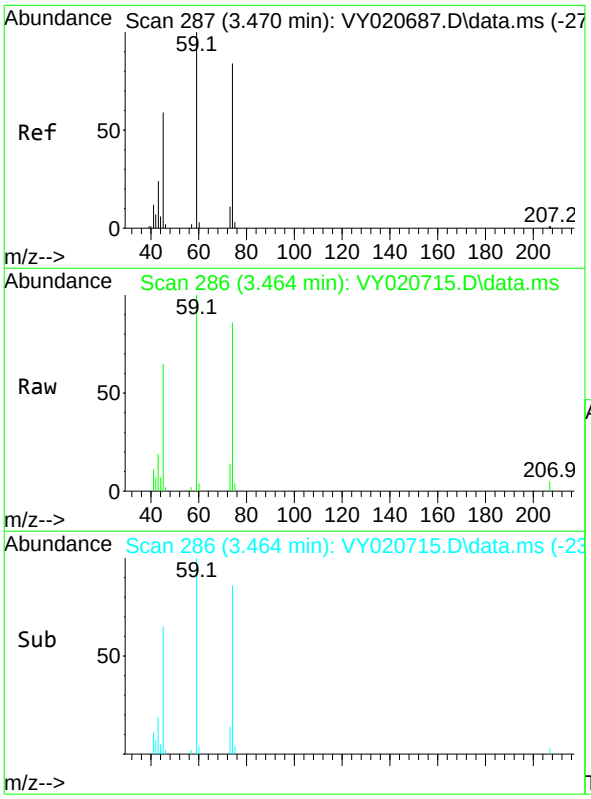
Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Manual Integrations
APPROVED

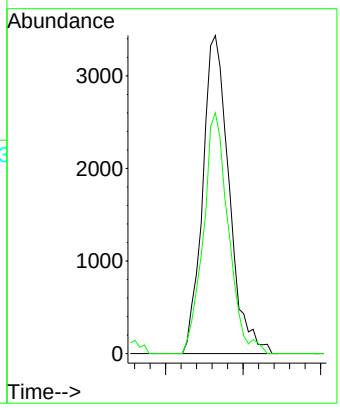
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

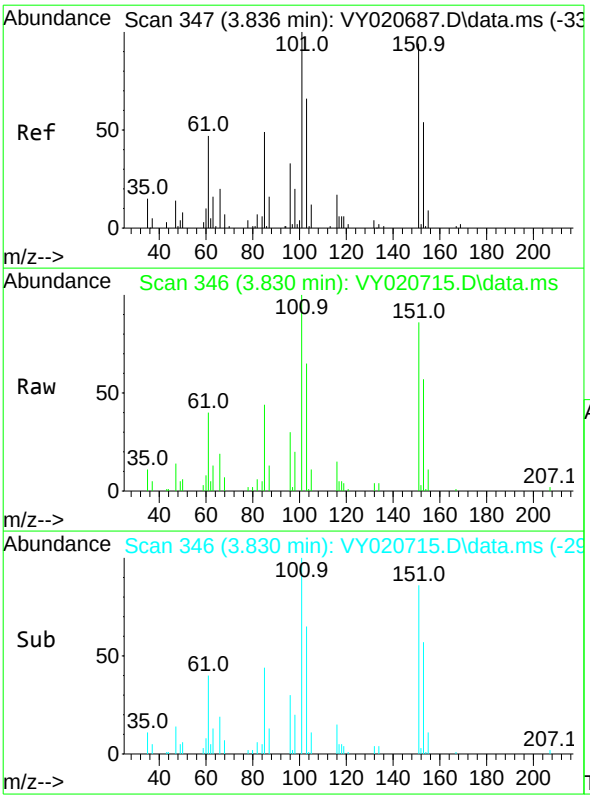


#8
Diethyl Ether
Concen: 20.381 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 74 Resp: 8143

Ion	Ratio	Lower	Upper
74	100		
45	71.7	35.8	107.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.606 ug/l
RT: 3.830 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

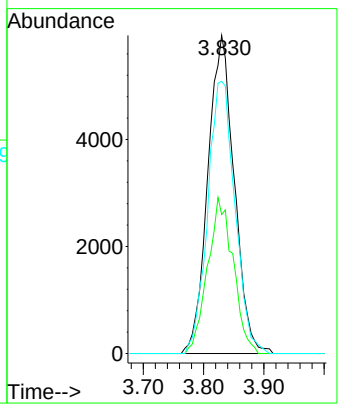
Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

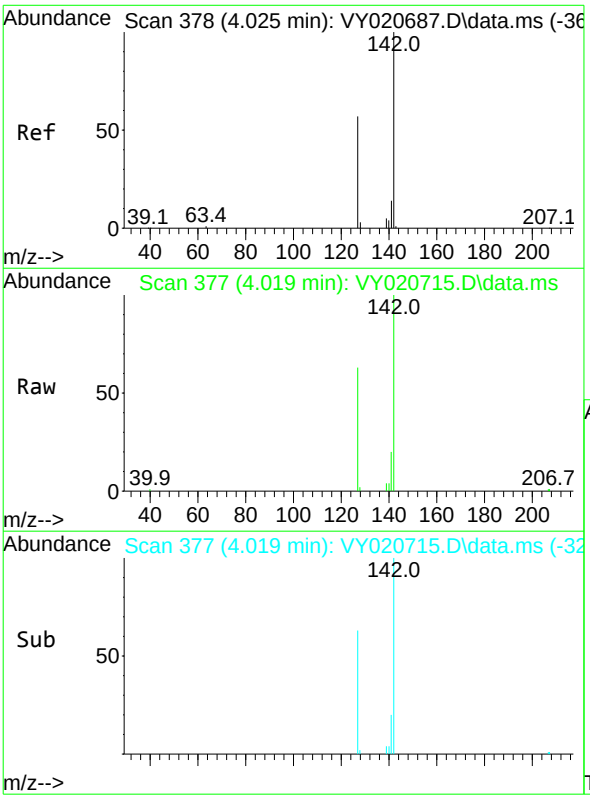
Tgt Ion:101 Resp: 18072

Ion	Ratio	Lower	Upper
101	100		
85	47.5	38.2	57.2
151	88.4	68.4	102.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

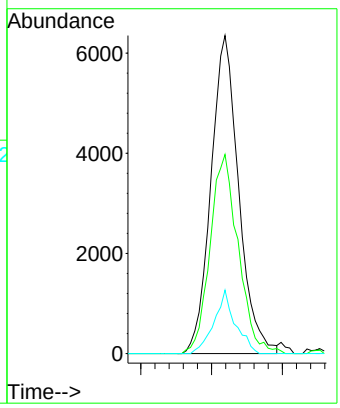


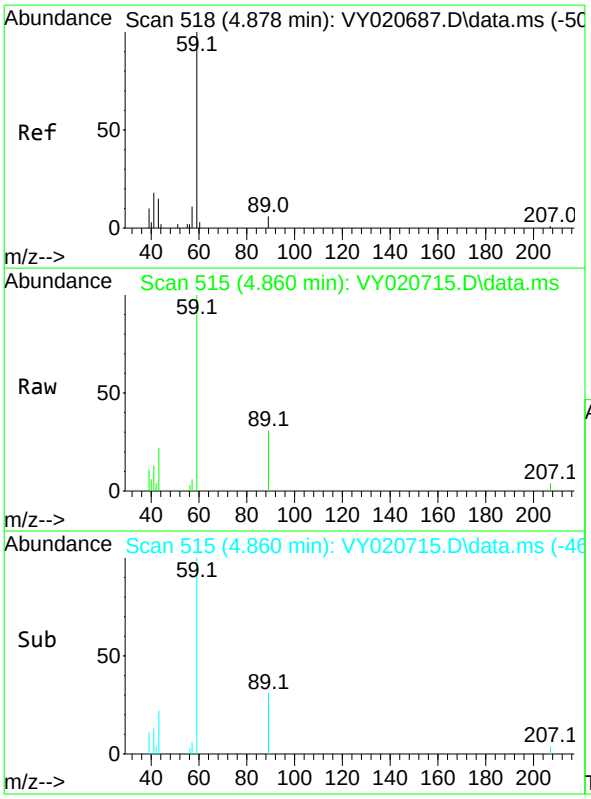


#10
Methyl Iodide
Concen: 17.167 ug/l
RT: 4.019 min Scan# 377
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:142 Resp: 17304

Ion	Ratio	Lower	Upper
142	100		
127	63.5	48.8	73.2
141	15.3	11.9	17.9

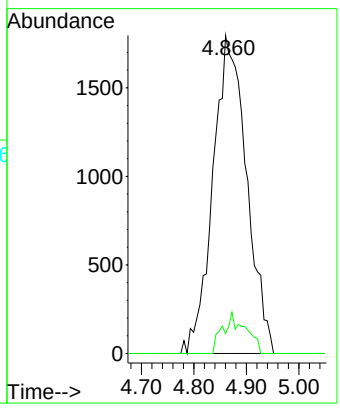




#11
Tert butyl alcohol
Concen: 119.075 ug/l
RT: 4.860 min Scan# 51
Delta R.T. -0.018 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 59 Resp: 7980

Ion	Ratio	Lower	Upper
59	100		
57	8.7	2.8	4.2#



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

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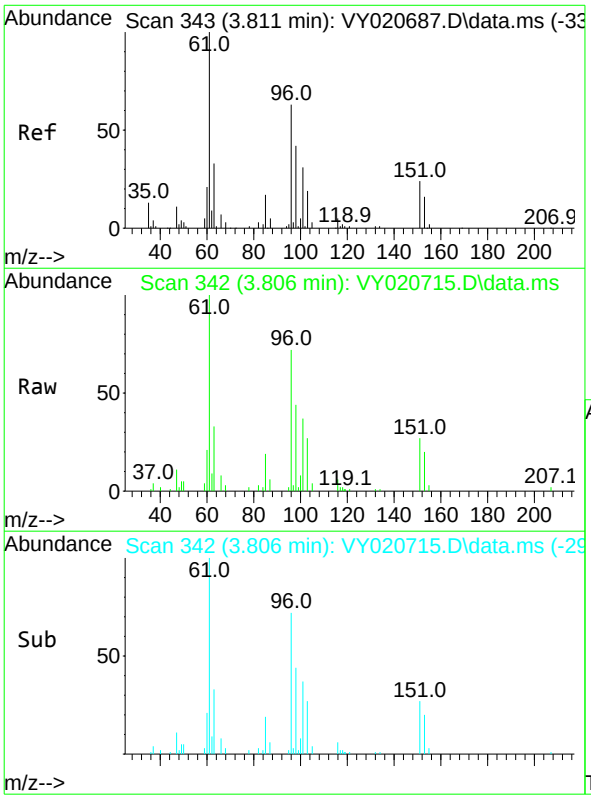
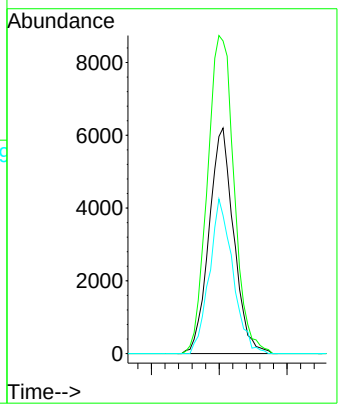
Supervised By :Semsettin Yesilyurt 12/27/2024

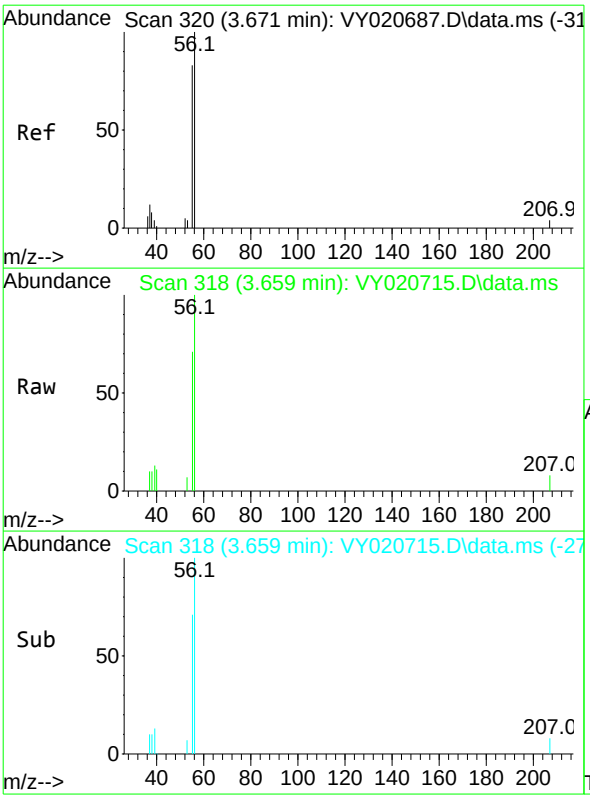


#12
1,1-Dichloroethene
Concen: 19.122 ug/l
RT: 3.806 min Scan# 342
Delta R.T. -0.005 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 96 Resp: 15688

Ion	Ratio	Lower	Upper
96	100		
61	138.6	127.1	190.7
98	61.2	53.4	80.0

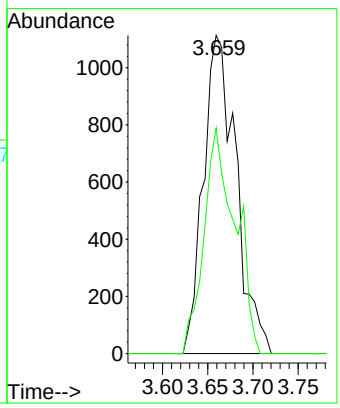




#13
Acrolein
Concen: 135.930 ug/l
RT: 3.659 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 56 Resp: 2794

Ion	Ratio	Lower	Upper
56	100		
55	68.4	57.0	85.4



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

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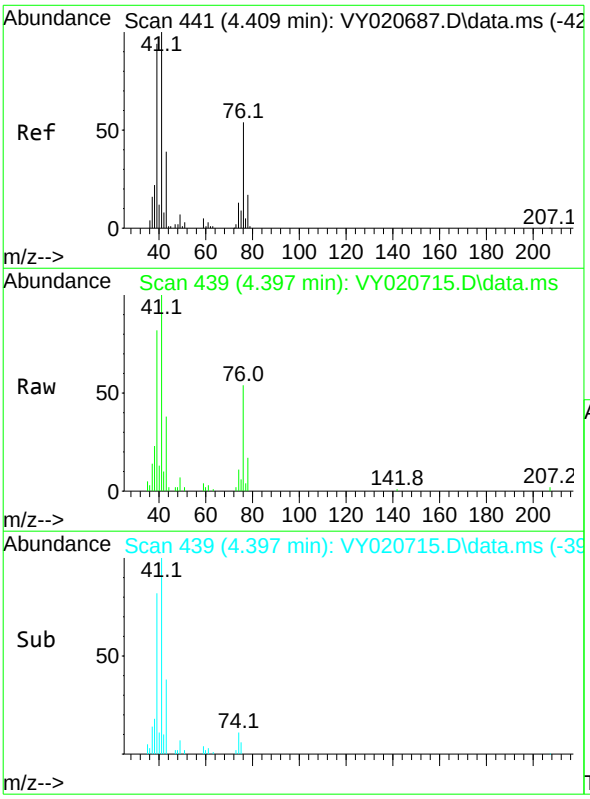
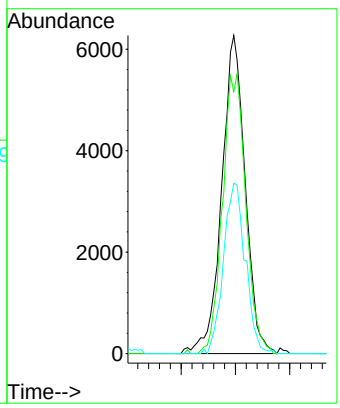
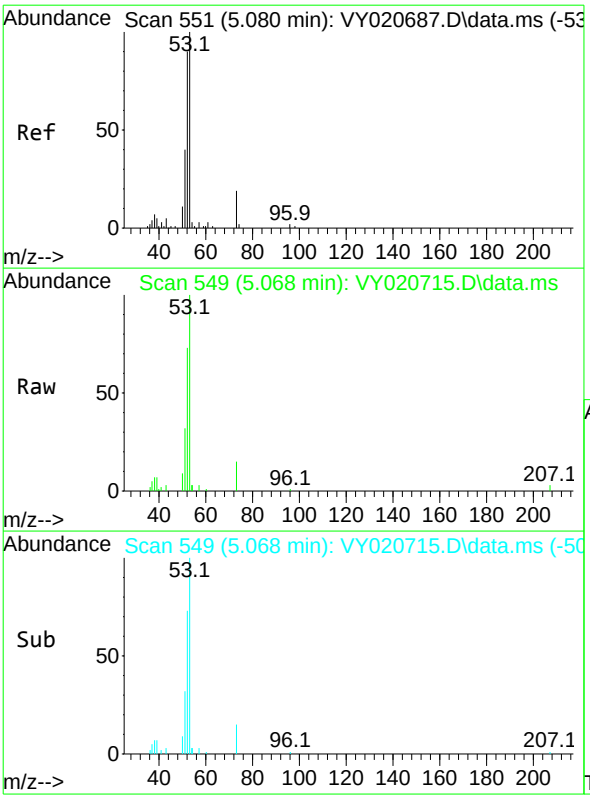


#14
Allyl chloride
Concen: 19.623 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.012 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 41 Resp: 18840

Ion	Ratio	Lower	Upper
41	100		
39	87.1	73.5	110.3
76	50.0	41.8	62.8





#15
Acrylonitrile
Concen: 100.820 ug/l
RT: 5.068 min Scan# 54
Delta R.T. -0.012 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 53 Resp: 15561

Ion	Ratio	Lower	Upper
53	100		
52	82.1	67.1	100.7
51	38.8	31.4	47.0

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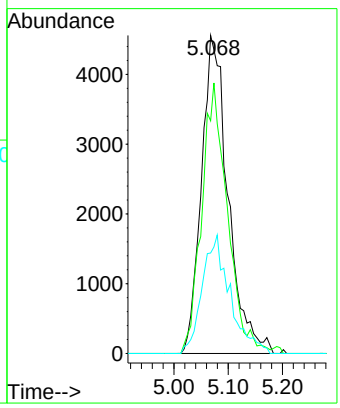
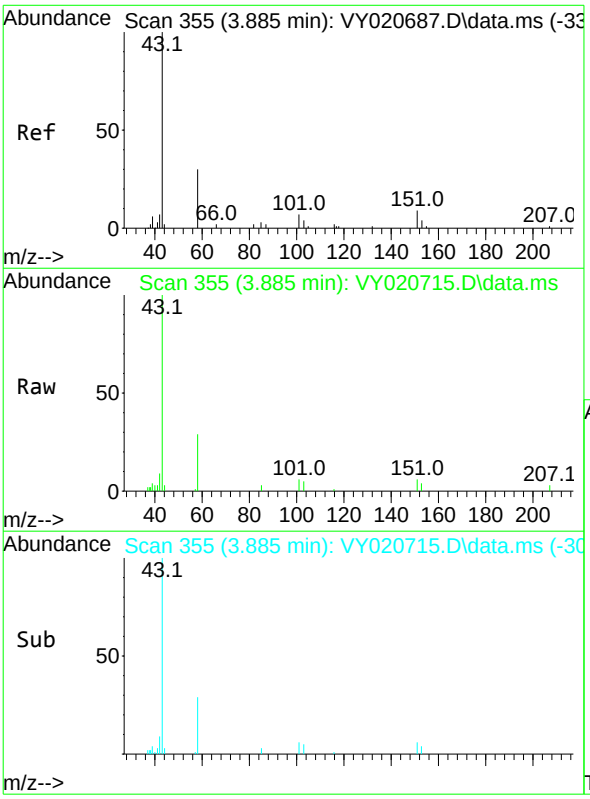
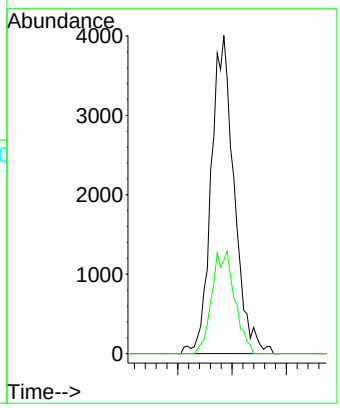


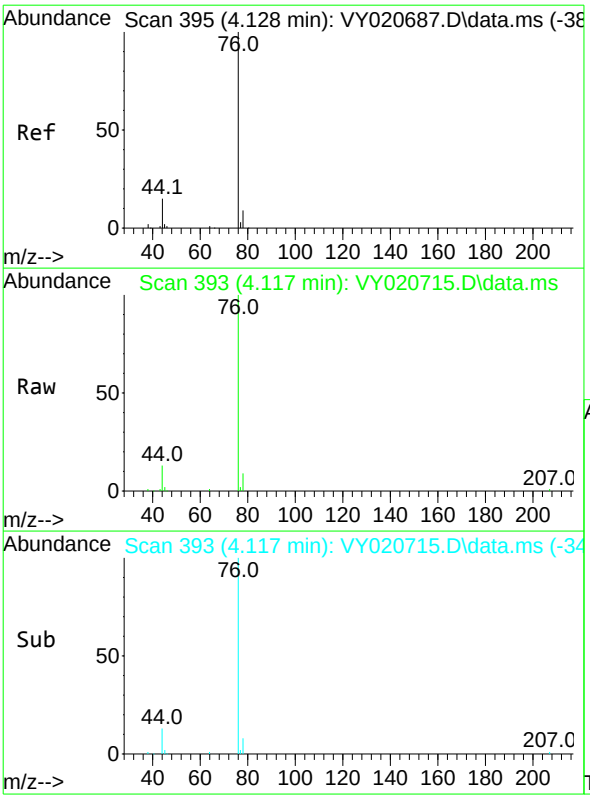


#16
Acetone
Concen: 94.398 ug/l
RT: 3.885 min Scan# 355
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 43 Resp: 11775

Ion	Ratio	Lower	Upper
43	100		
58	29.3	25.0	37.6

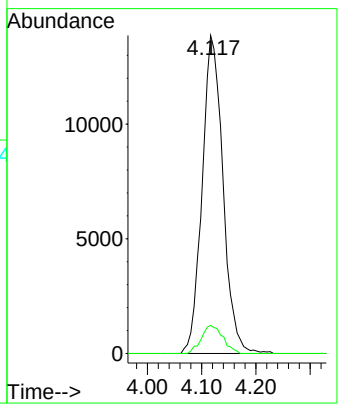




#17
Carbon Disulfide
Concen: 18.386 ug/l
RT: 4.117 min Scan# 39
Delta R.T. -0.011 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 76 Resp: 37004

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.9	10.3



Instrument :
MSVOA_Y
ClientSampleId :
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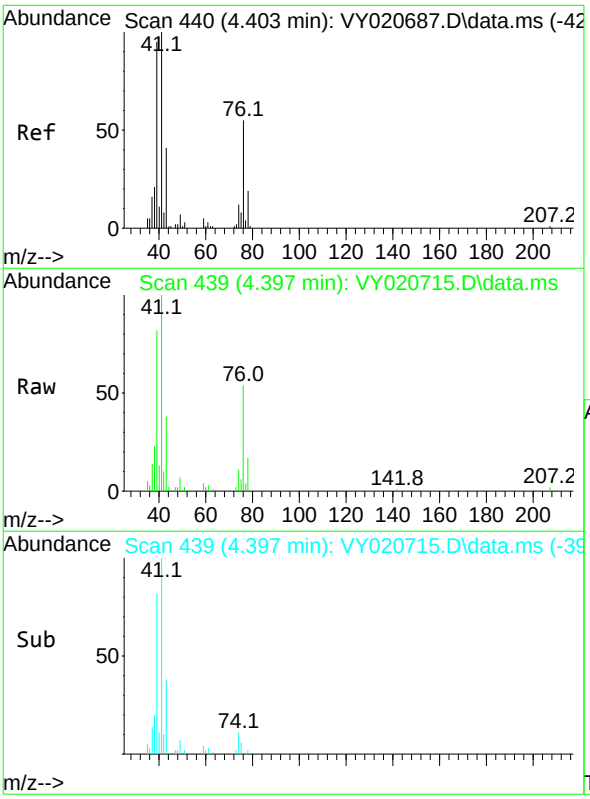
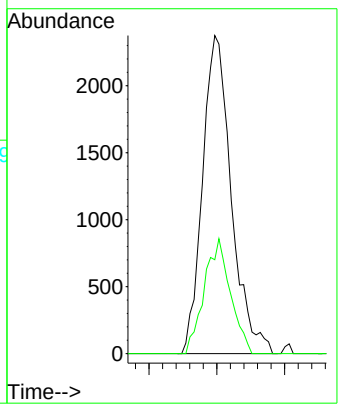
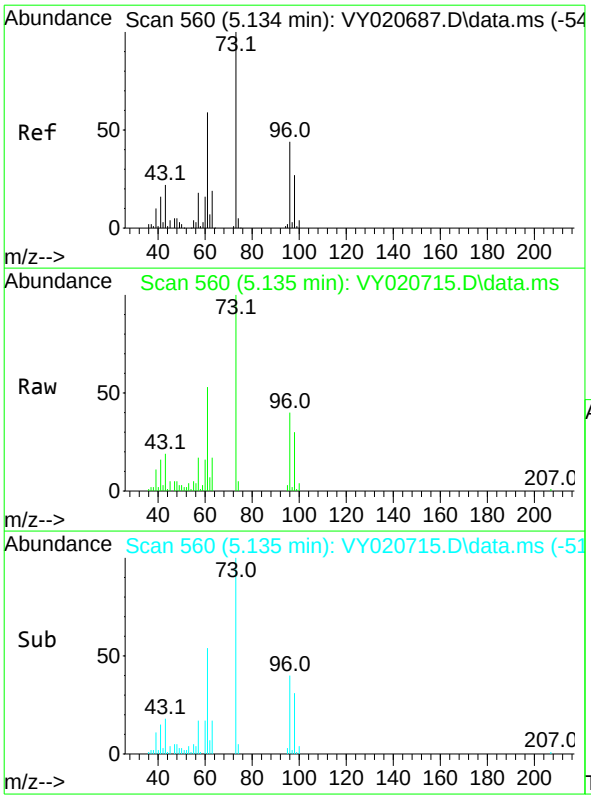


#18
Methyl Acetate
Concen: 20.720 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 43 Resp: 6995

Ion	Ratio	Lower	Upper
43	100		
74	32.8	25.3	37.9





#19
Methyl tert-butyl Ether
Concen: 19.629 ug/l
RT: 5.135 min Scan# 56
Delta R.T. 0.001 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 73 Resp: 44886

Ion	Ratio	Lower	Upper
73	100		
57	17.3	14.4	21.6

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

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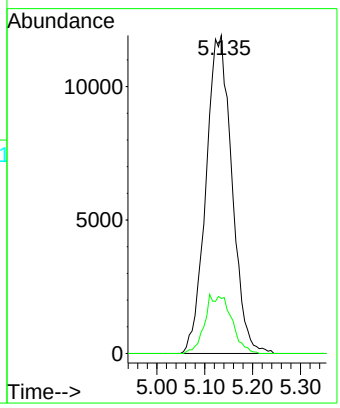
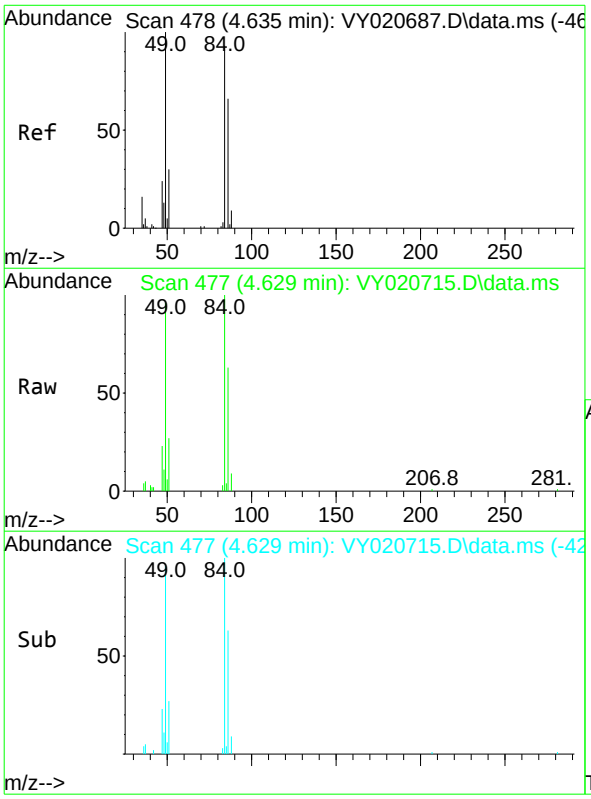
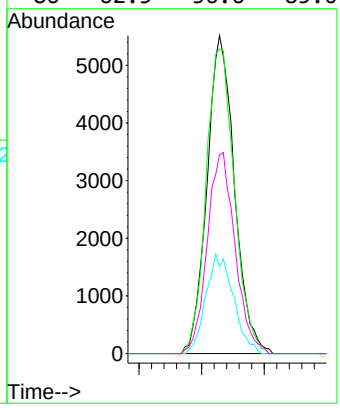


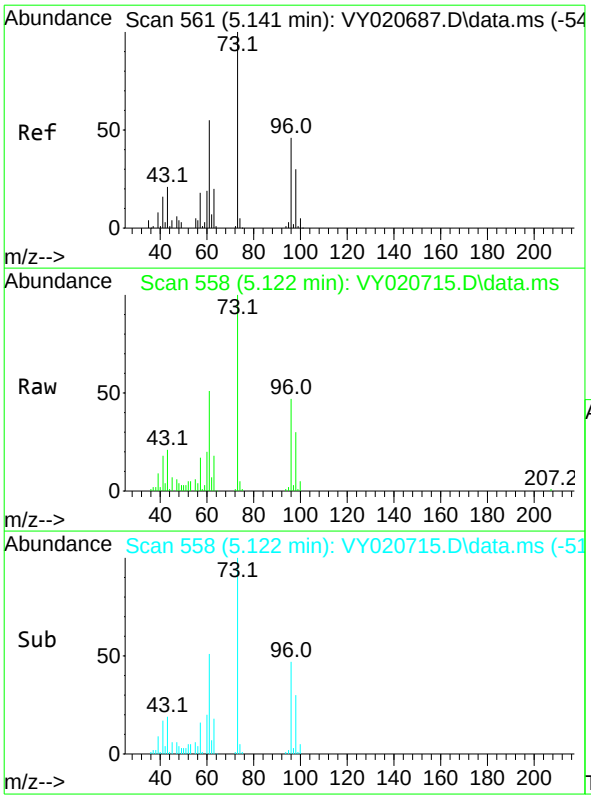


#20
Methylene Chloride
Concen: 20.675 ug/l
RT: 4.629 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 84 Resp: 16773

Ion	Ratio	Lower	Upper
84	100		
49	95.7	86.4	129.6
51	27.3	25.5	38.3
86	62.5	56.6	85.0

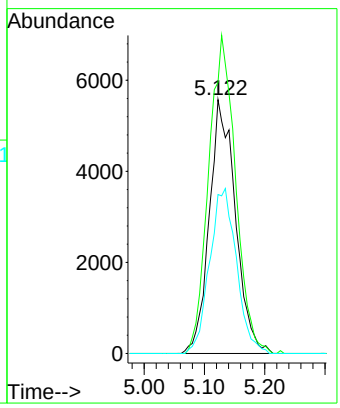




#21
trans-1,2-Dichloroethene
Concen: 18.976 ug/l
RT: 5.122 min Scan# 55
Delta R.T. -0.019 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 96 Resp: 16777

Ion	Ratio	Lower	Upper
96	100		
61	106.8	96.1	144.1
98	62.6	52.7	79.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

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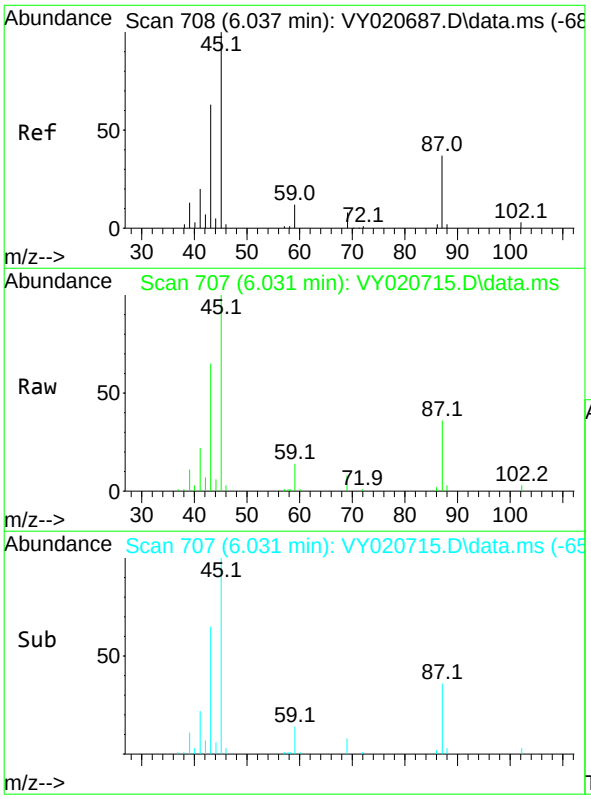
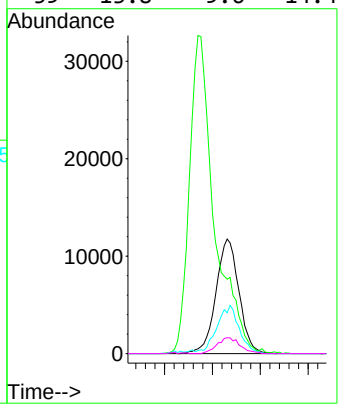
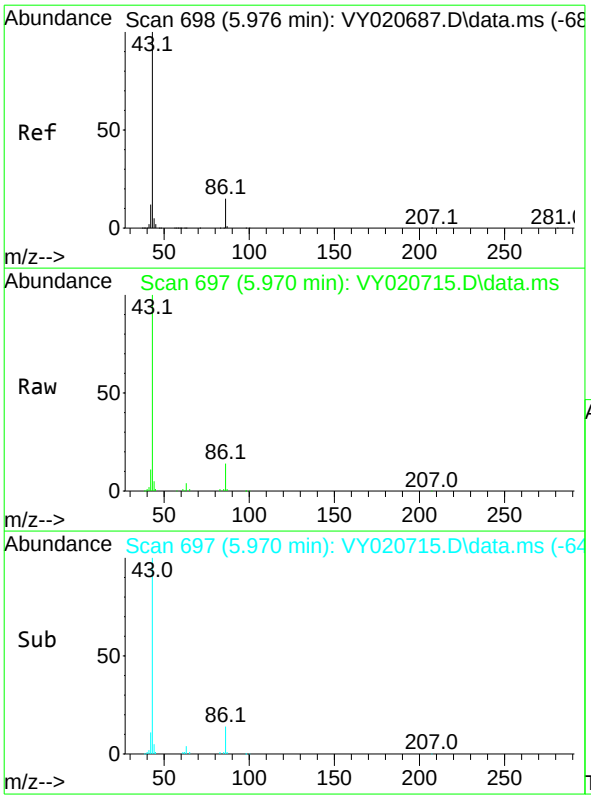


#22
Diisopropyl ether
Concen: 20.101 ug/l
RT: 6.031 min Scan# 707
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 45 Resp: 39231

Ion	Ratio	Lower	Upper
45	100		
43	64.1	51.3	76.9
87	35.7	30.6	46.0
59	13.8	9.6	14.4

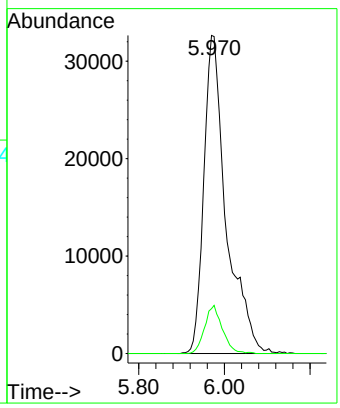




#23
Vinyl Acetate
Concen: 101.585 ug/l
RT: 5.970 min Scan# 69
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 43 Resp: 118423

Ion	Ratio	Lower	Upper
43	100		
86	14.1	12.0	18.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

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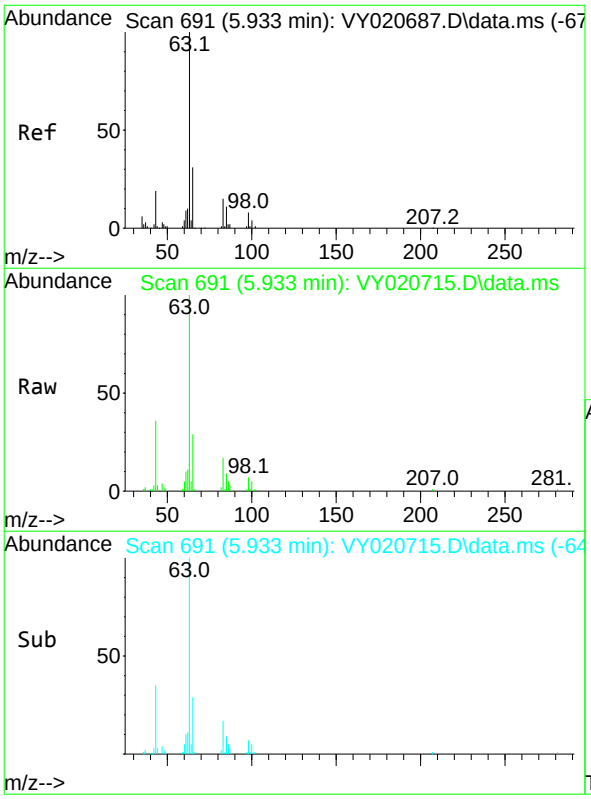
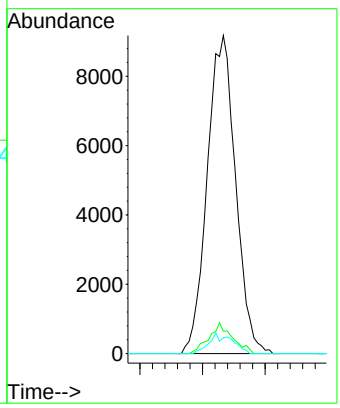
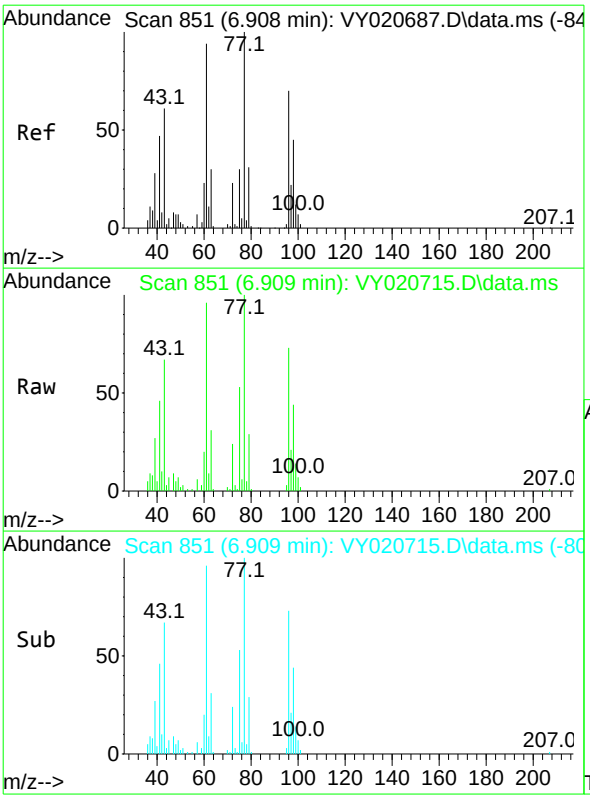


#24
1,1-Dichloroethane
Concen: 19.732 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 63 Resp: 28874

Ion	Ratio	Lower	Upper
63	100		
98	7.0	4.0	12.0
100	5.0	2.1	6.2

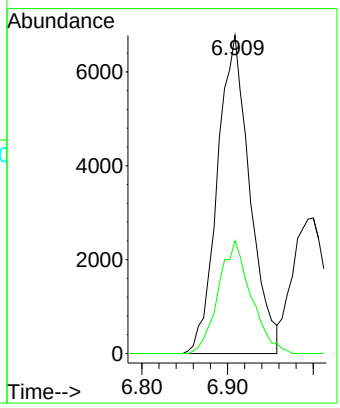




#25
2-Butanone
Concen: 105.875 ug/l
RT: 6.909 min Scan# 85
Delta R.T. 0.001 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 43 Resp: 17840

Ion	Ratio	Lower	Upper
43	100		
72	35.5	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

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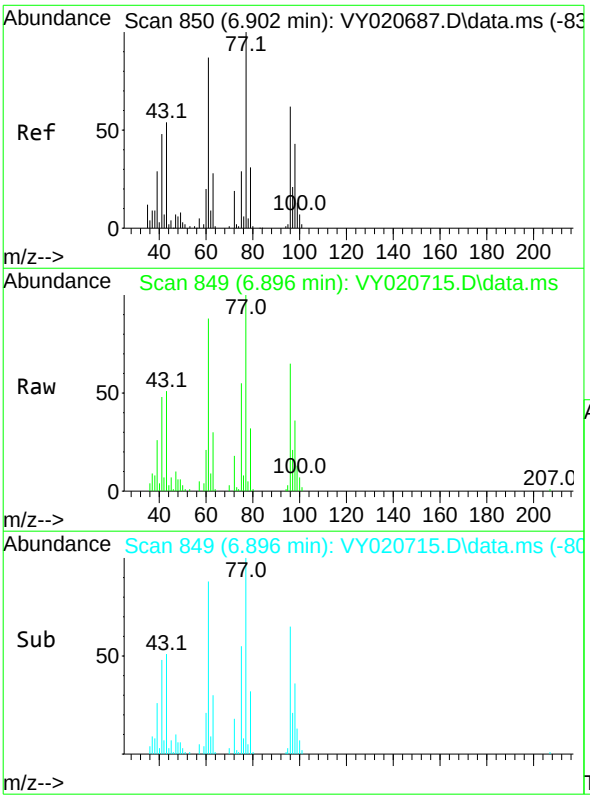
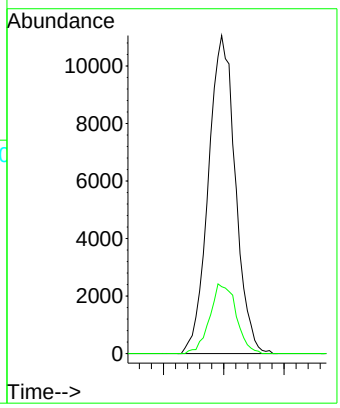
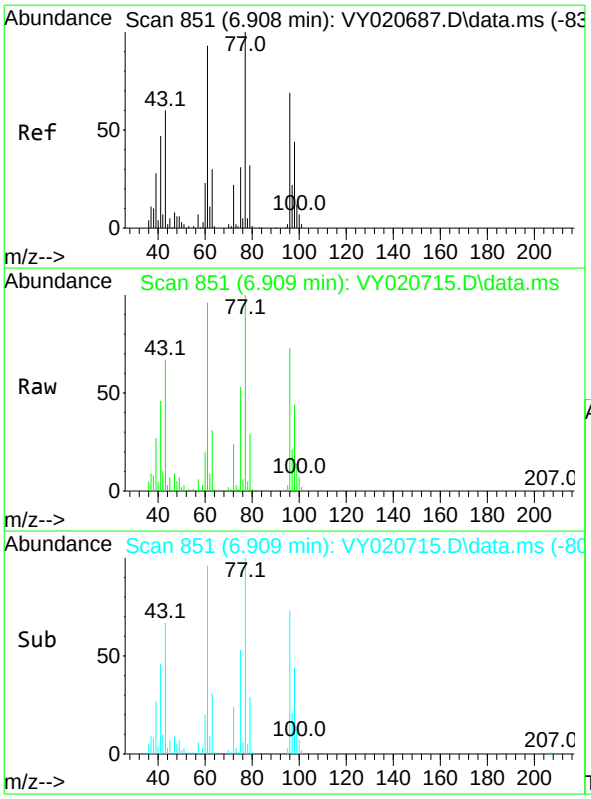


#26
2,2-Dichloropropane
Concen: 19.214 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 77 Resp: 34412

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.8	32.4





#27
cis-1,2-Dichloroethene
Concen: 19.302 ug/l
RT: 6.909 min Scan# 85
Delta R.T. 0.001 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 96 Resp: 20436

Ion	Ratio	Lower	Upper
96	100		
61	138.7	0.0	277.2
98	64.2	0.0	131.0

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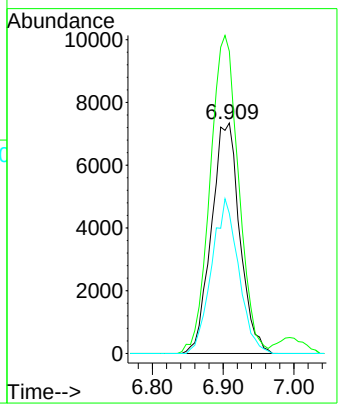
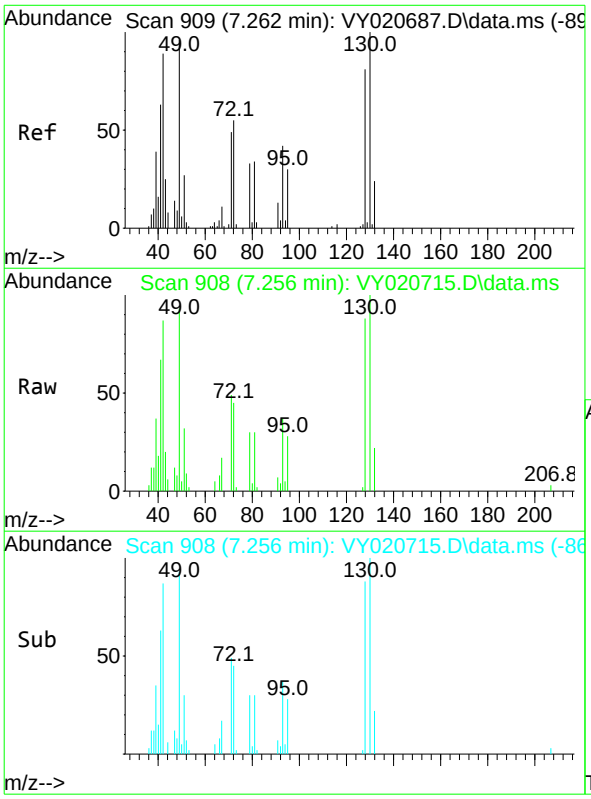
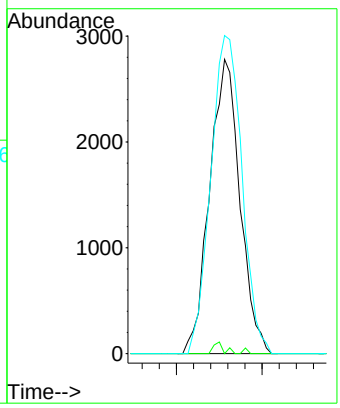


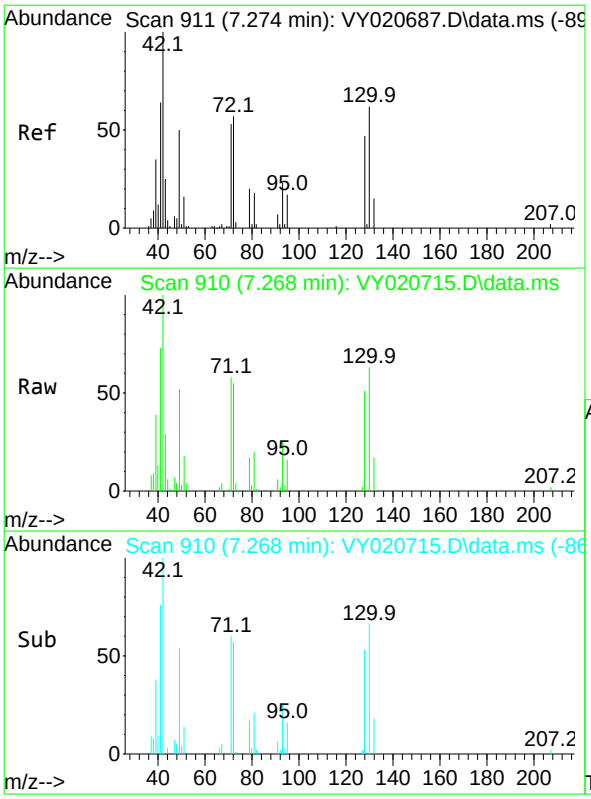


#28
Bromochloromethane
Concen: 17.648 ug/l
RT: 7.256 min Scan# 908
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 49 Resp: 6829

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	5.4
130	111.4	87.2	130.8

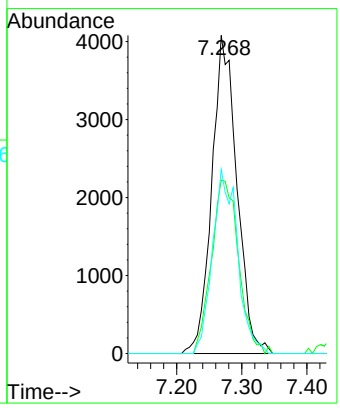




#29
Tetrahydrofuran
Concen: 105.377 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 42 Resp: 10899

Ion	Ratio	Lower	Upper
42	100		
72	59.1	47.4	71.0
71	57.6	42.8	64.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

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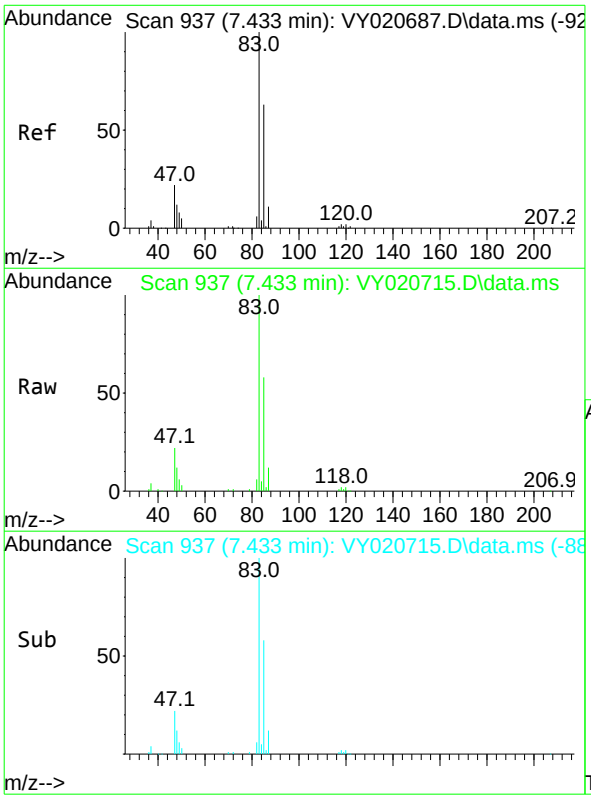
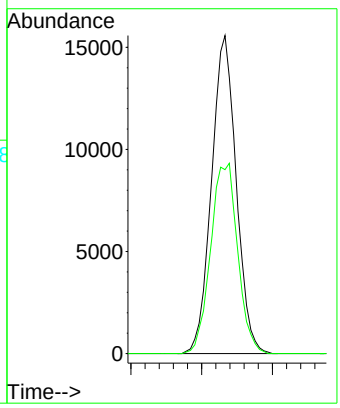
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

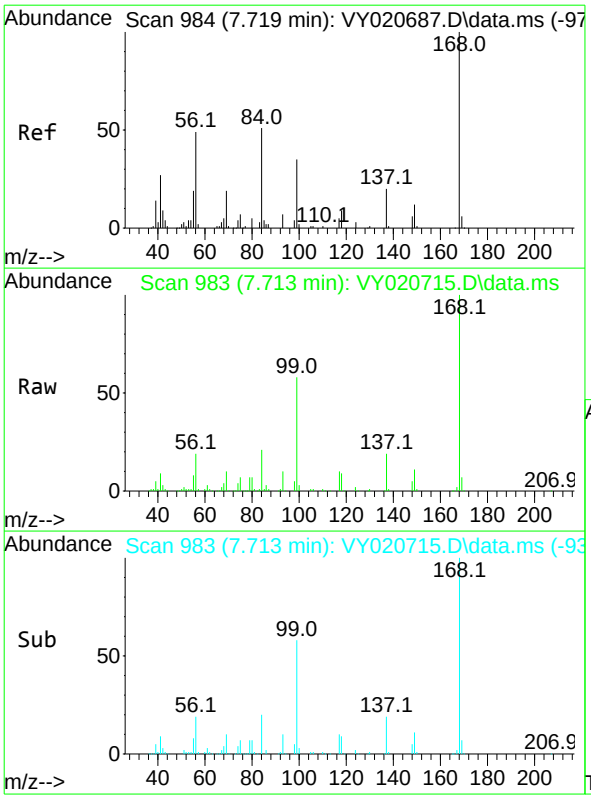


#30
Chloroform
Concen: 20.060 ug/l
RT: 7.433 min Scan# 937
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 83 Resp: 37760

Ion	Ratio	Lower	Upper
83	100		
85	57.8	50.2	75.2





#31
Cyclohexane
Concen: 19.354 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 56 Resp: 24445

Ion	Ratio	Lower	Upper
56	100		
69	54.0	31.3	46.9#
84	109.5	83.9	125.9

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

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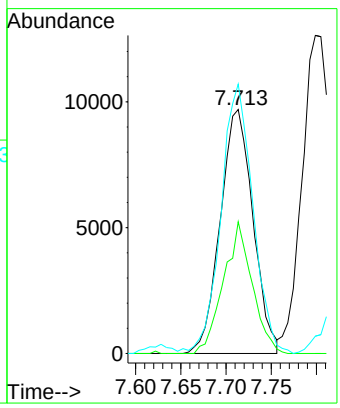
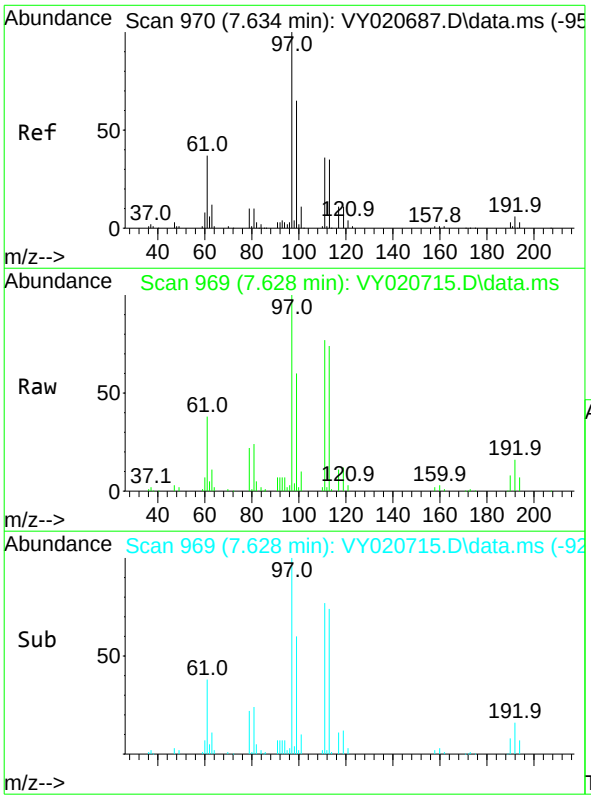
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

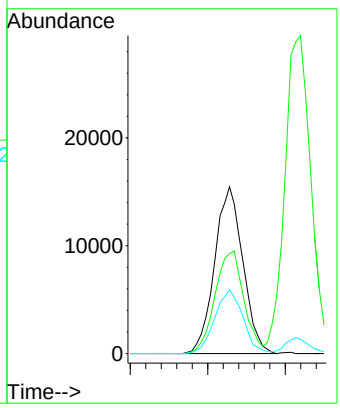


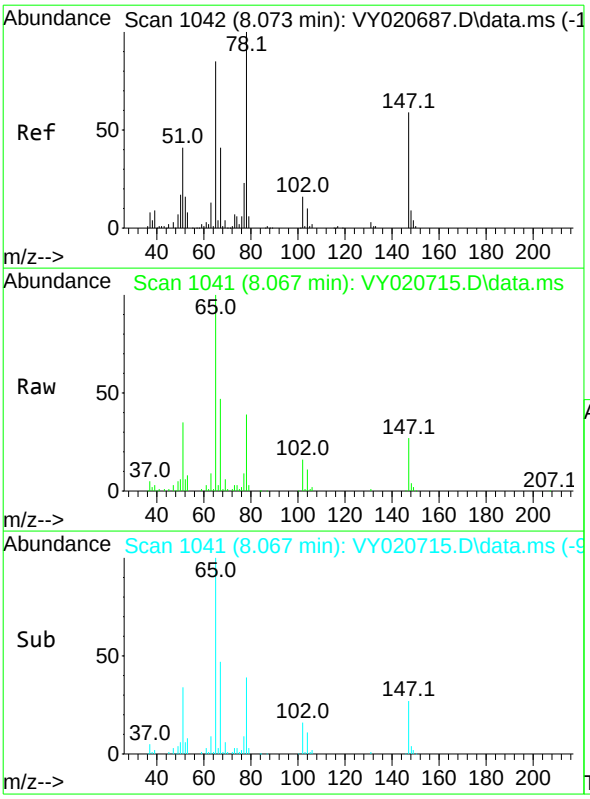


#32
1,1,1-Trichloroethane
Concen: 19.385 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 97 Resp: 39114

Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.0	76.6
61	38.2	30.0	45.0

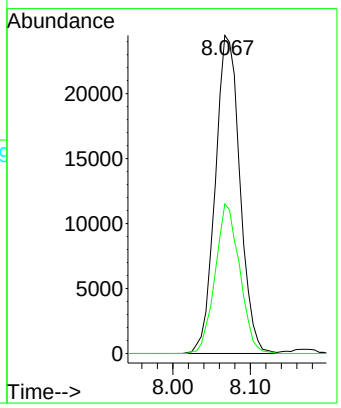




#33
1,2-Dichloroethane-d4
Concen: 55.004 ug/l
RT: 8.067 min Scan# 10
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 65 Resp: 54084

Ion	Ratio	Lower	Upper
65	100		
67	46.8	0.0	98.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

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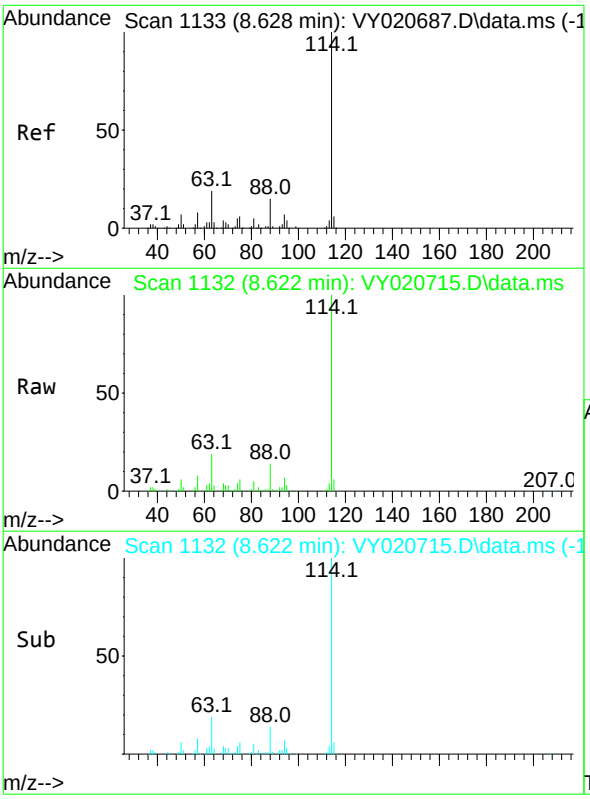
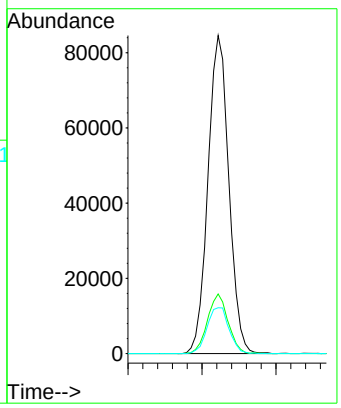
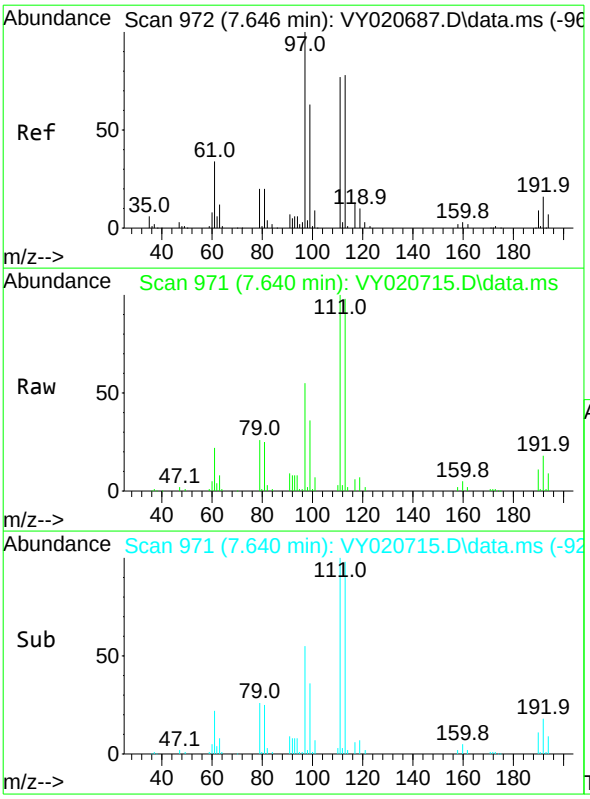


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:114 Resp: 165739

Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	38.4
88	14.4	0.0	30.4

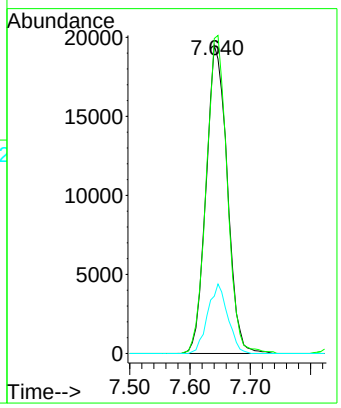




#35
Dibromofluoromethane
Concen: 52.103 ug/l
RT: 7.640 min Scan# 97
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:113 Resp: 47566

Ion	Ratio	Lower	Upper
113	100		
111	101.7	79.8	119.8
192	21.3	17.0	25.6



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

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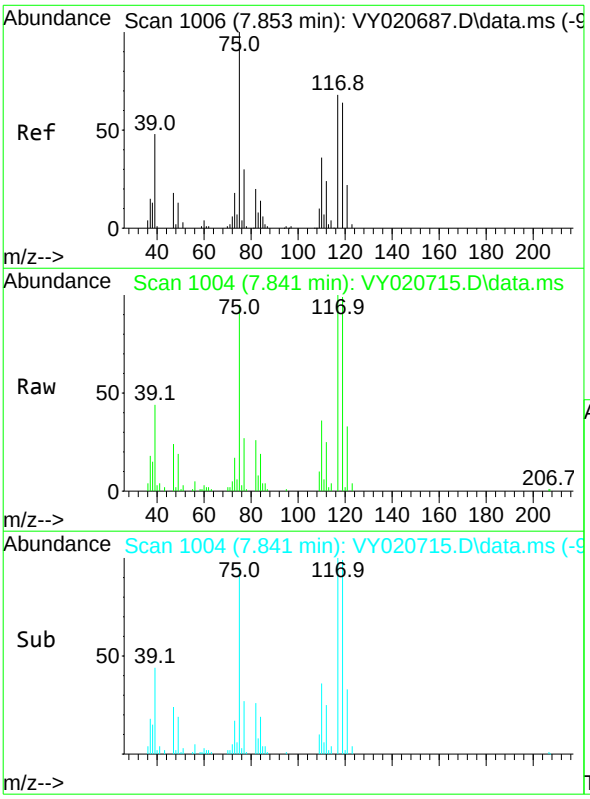
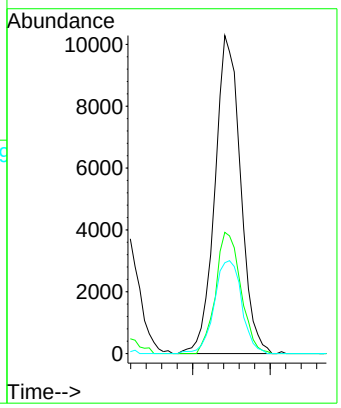
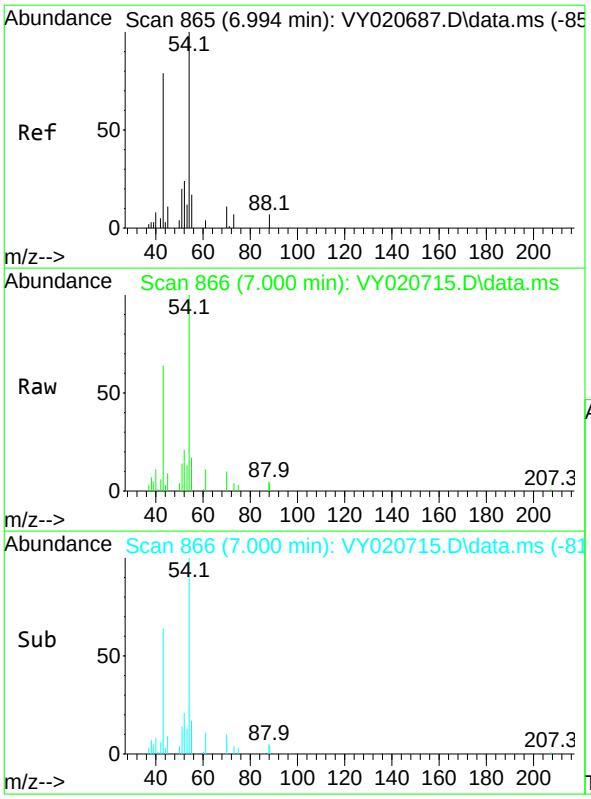


#36
1,1-Dichloropropene
Concen: 19.569 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.012 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 75 Resp: 23598

Ion	Ratio	Lower	Upper
75	100		
110	37.5	19.6	58.7
77	31.3	25.1	37.7





#37
Ethyl Acetate
Concen: 21.556 ug/l
RT: 7.000 min Scan# 86
Delta R.T. 0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 43 Resp: 8566

Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.7	17.5
70	13.2	11.0	16.4

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

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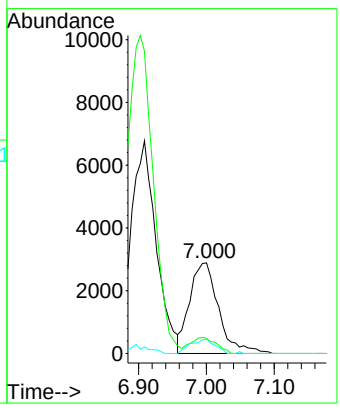
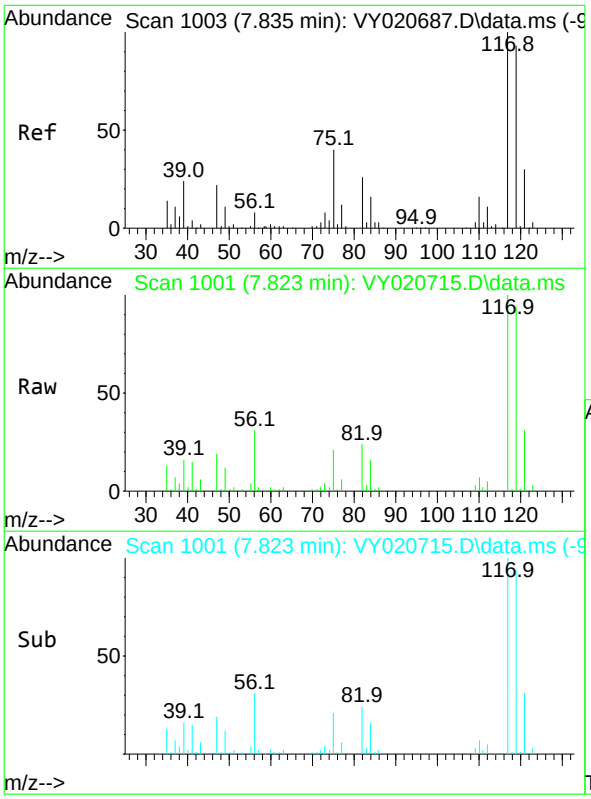
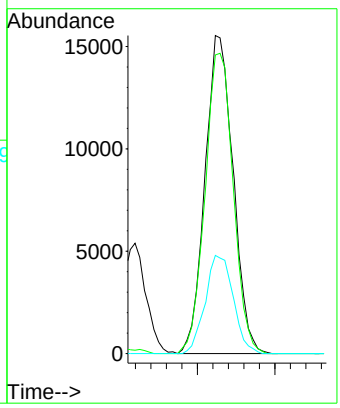


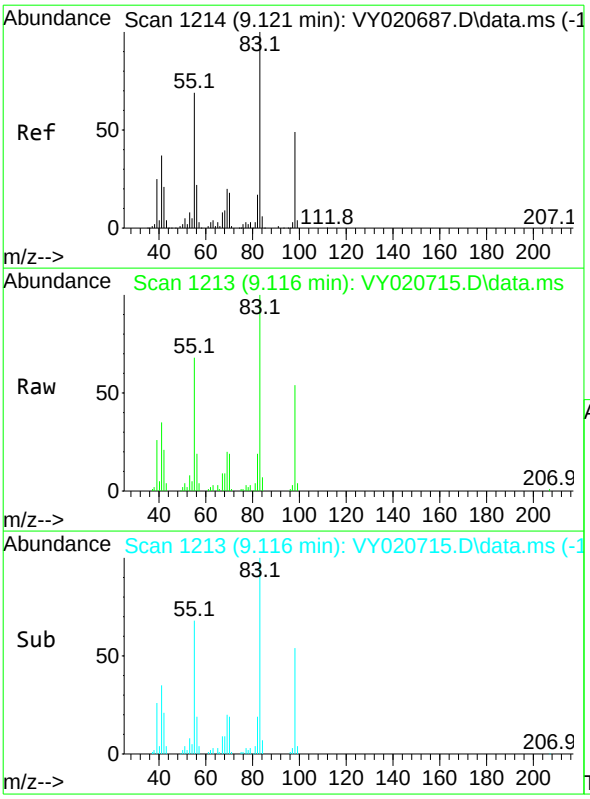


#38
Carbon Tetrachloride
Concen: 19.734 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.012 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:117 Resp: 39187

Ion	Ratio	Lower	Upper
117	100		
119	93.9	74.4	111.6
121	30.9	24.2	36.2





#39
Methylcyclohexane
Concen: 19.742 ug/l
RT: 9.116 min Scan# 12
Delta R.T. -0.005 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 83 Resp: 30514

Ion	Ratio	Lower	Upper
83	100		
55	68.0	55.0	82.4
98	53.7	39.0	58.6

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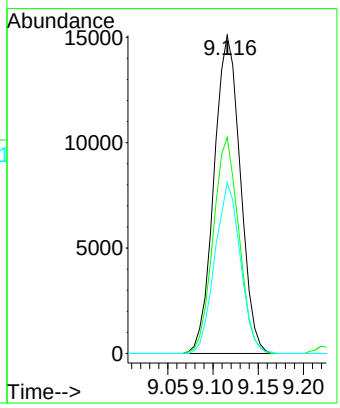
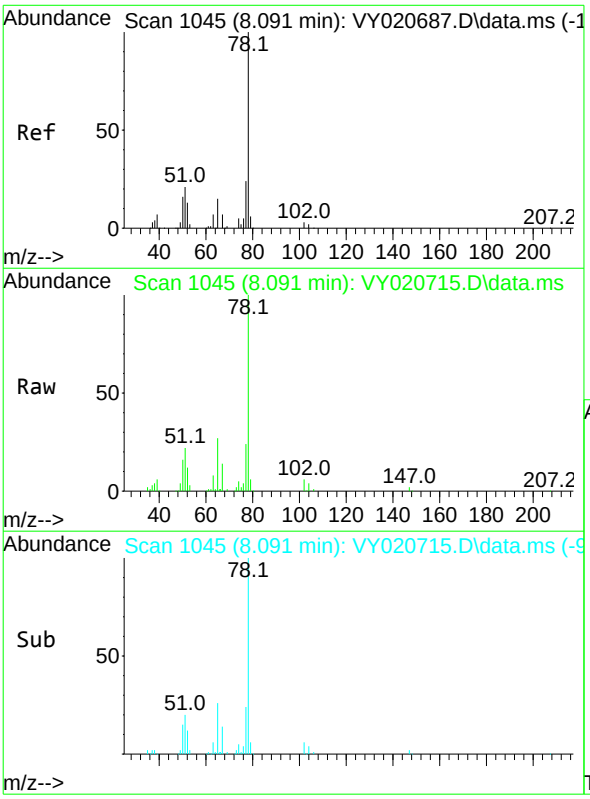
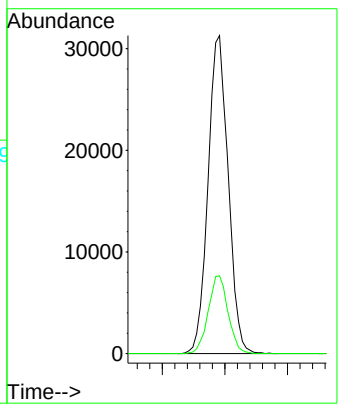


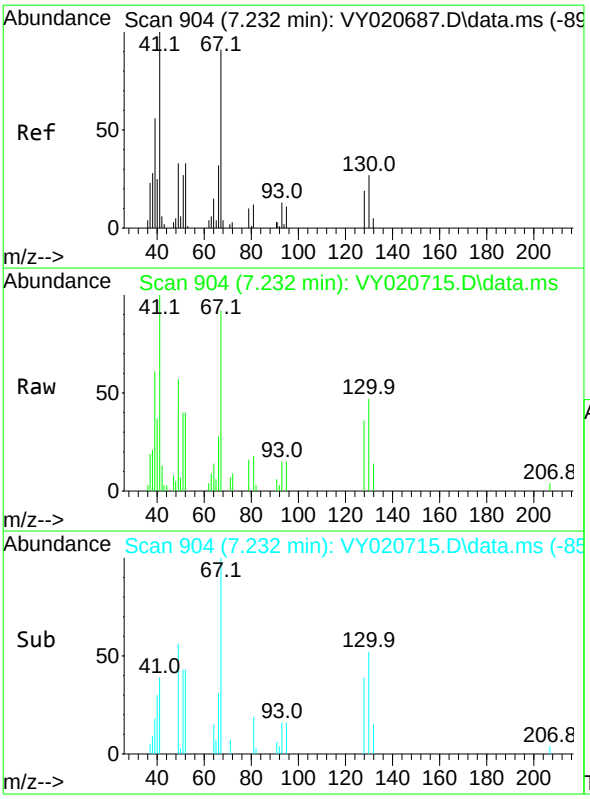


#40
Benzene
Concen: 19.987 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 78 Resp: 69851

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.2	28.8

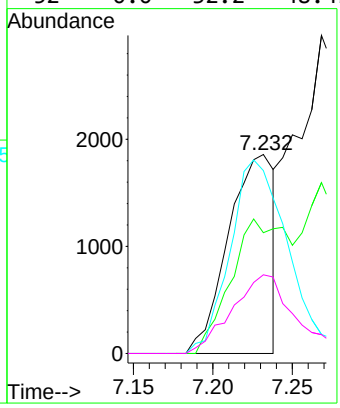




#41
Methacrylonitrile
Concen: 18.637 ug/l m
RT: 7.232 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 41 Resp: 3741

Ion	Ratio	Lower	Upper
41	100		
39	99.4	46.6	70.0#
67	0.0	74.7	112.1#
52	0.0	32.2	48.4#



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Manual Integrations
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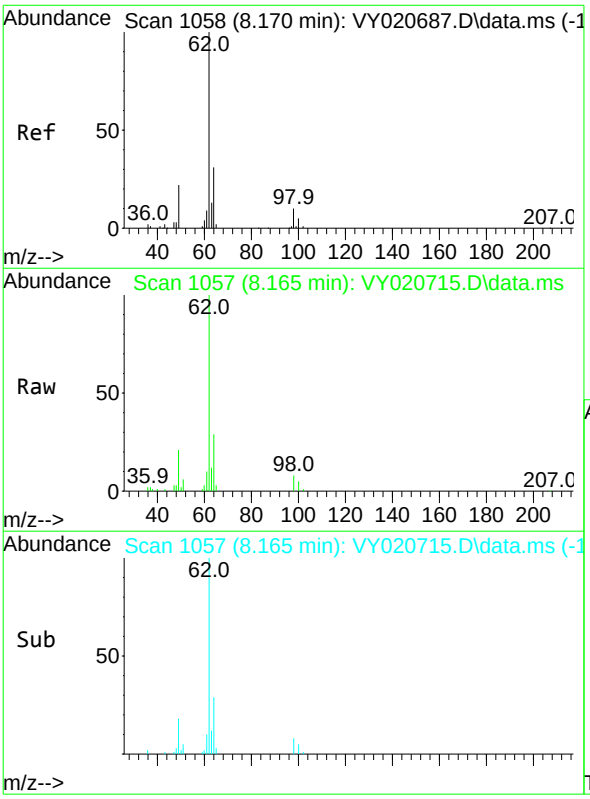
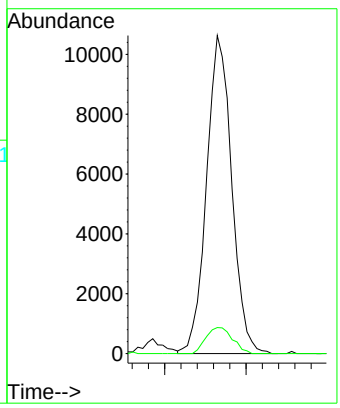
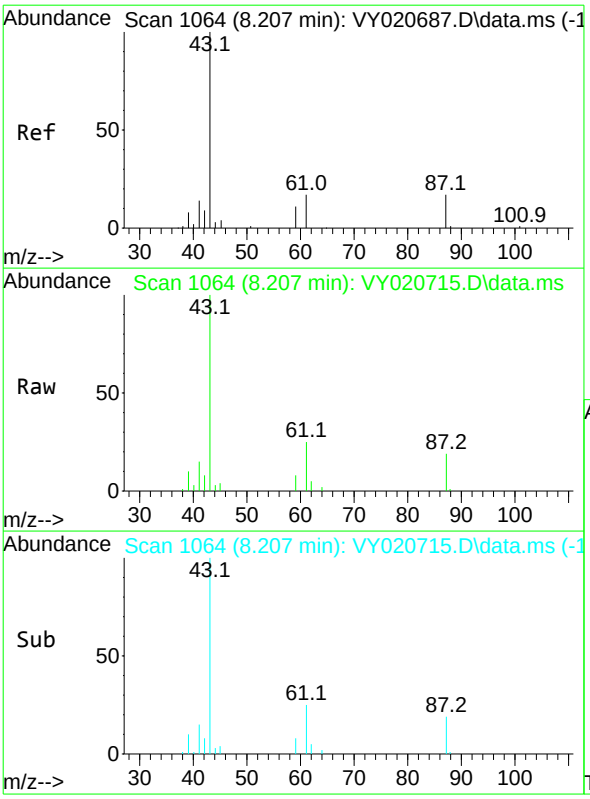


#42
1,2-Dichloroethane
Concen: 20.396 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. -0.005 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 62 Resp: 22857

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.6

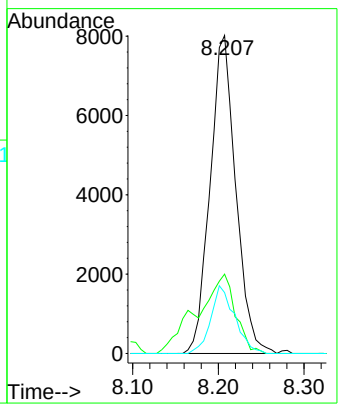




#43
Isopropyl Acetate
Concen: 19.754 ug/l
RT: 8.207 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 43 Resp: 16685

Ion	Ratio	Lower	Upper
43	100		
61	26.3	27.0	40.4#
87	19.9	14.2	21.4



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

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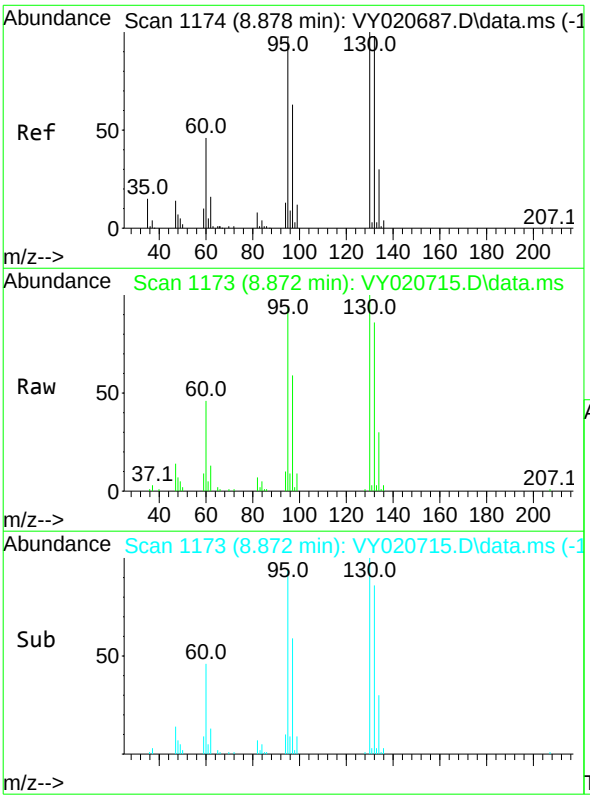
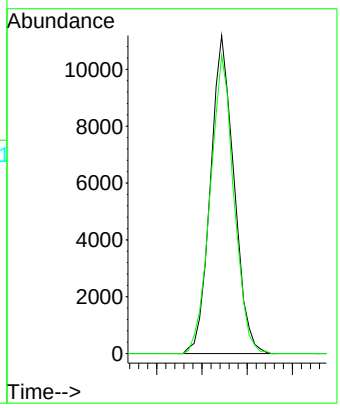
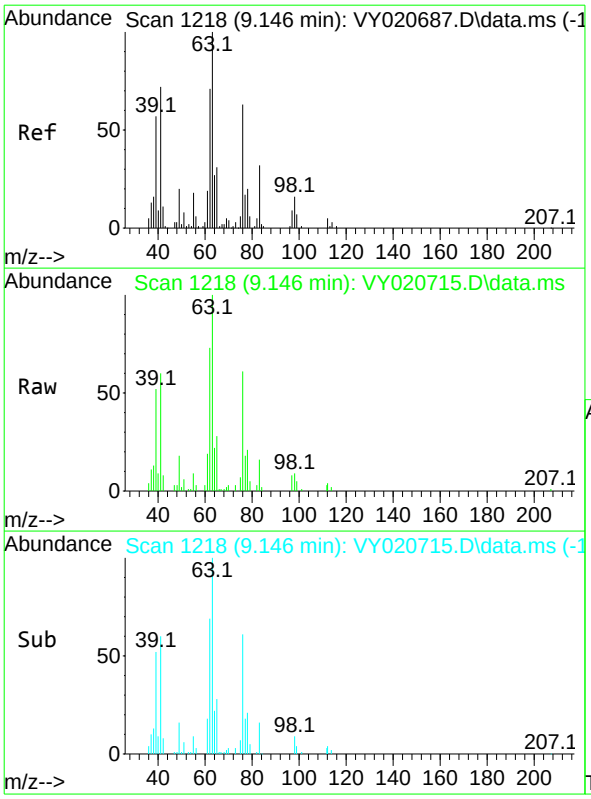


#44
Trichloroethene
Concen: 19.365 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:130 Resp: 20214

Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	194.8

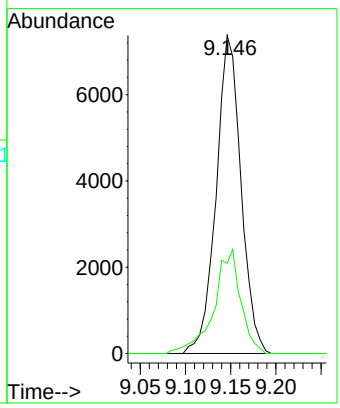




#45
1,2-Dichloropropane
Concen: 19.891 ug/l
RT: 9.146 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 63 Resp: 14072

Ion	Ratio	Lower	Upper
63	100		
65	28.3	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

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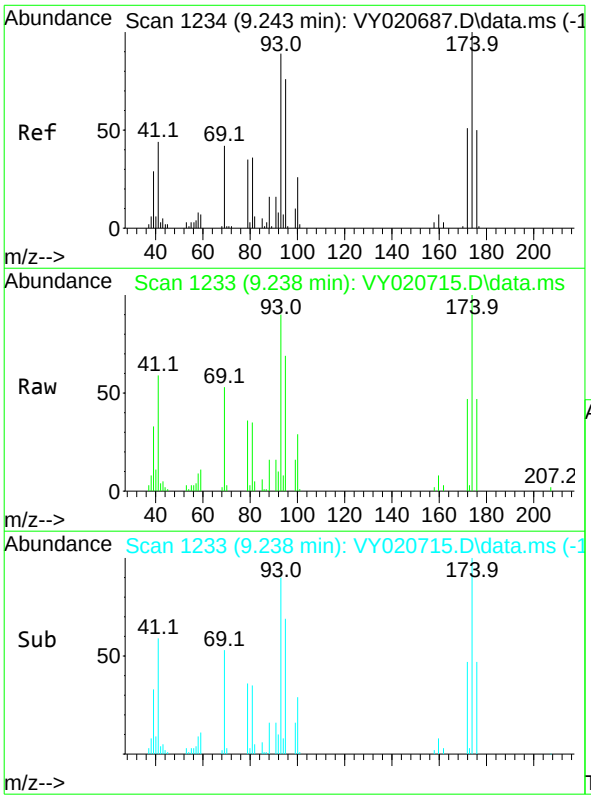
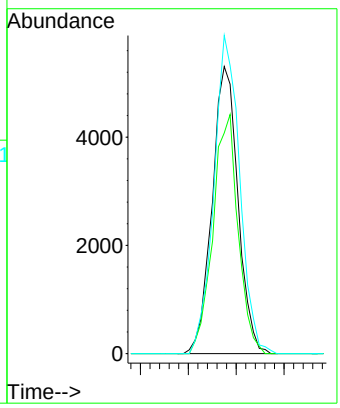
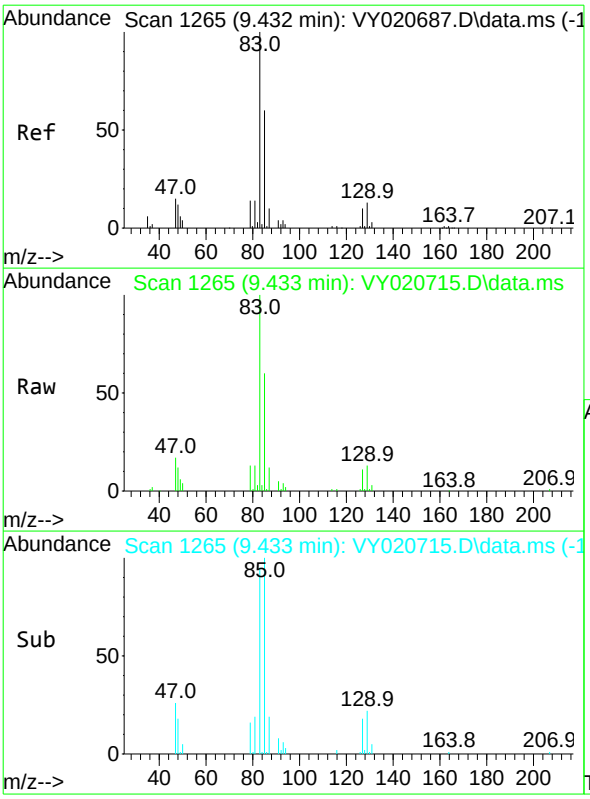


#46
Dibromomethane
Concen: 20.339 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. -0.005 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 93 Resp: 9956

Ion	Ratio	Lower	Upper
93	100		
95	80.6	67.8	101.8
174	110.8	89.4	134.0

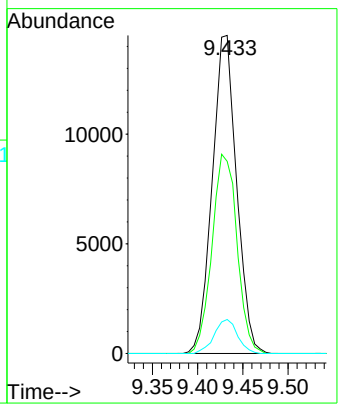




#47
Bromodichloromethane
Concen: 19.608 ug/l
RT: 9.433 min Scan# 12
Delta R.T. 0.001 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 83 Resp: 27211

Ion	Ratio	Lower	Upper
83	100		
85	60.4	47.6	71.4
127	10.7	7.9	11.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

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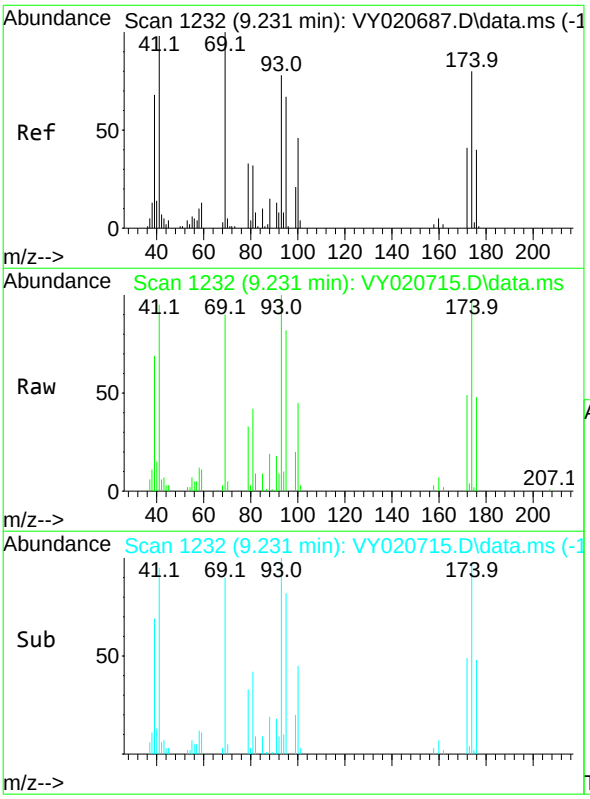
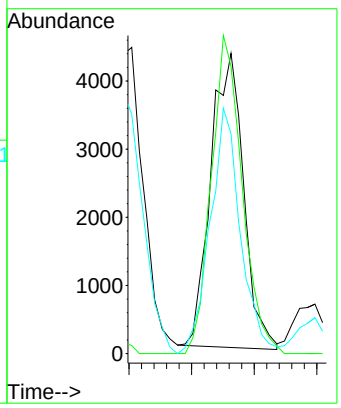
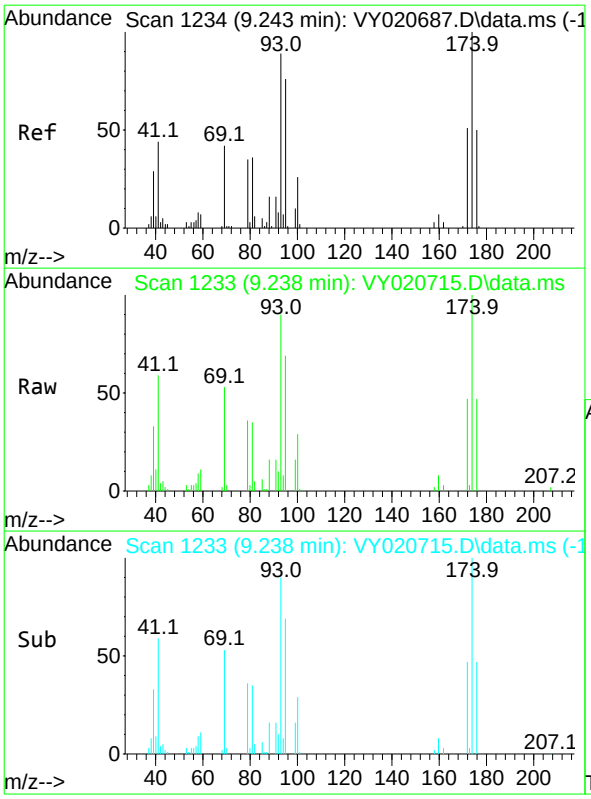


#48
Methyl methacrylate
Concen: 19.912 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 41 Resp: 7854

Ion	Ratio	Lower	Upper
41	100		
69	101.9	83.1	124.7
39	76.9	57.3	85.9





#49
1,4-Dioxane
Concen: 445.671 ug/l
RT: 9.238 min Scan# 12
Delta R.T. -0.005 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 88 Resp: 2078

Ion	Ratio	Lower	Upper
88	100		
43	29.7	22.1	33.1
58	62.4	46.7	70.1

Manual Integrations
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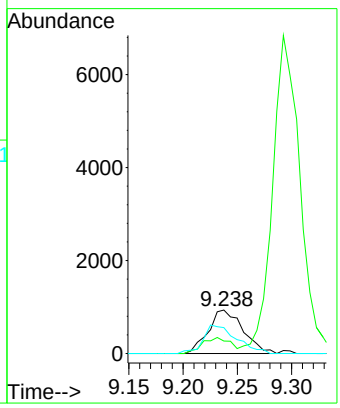
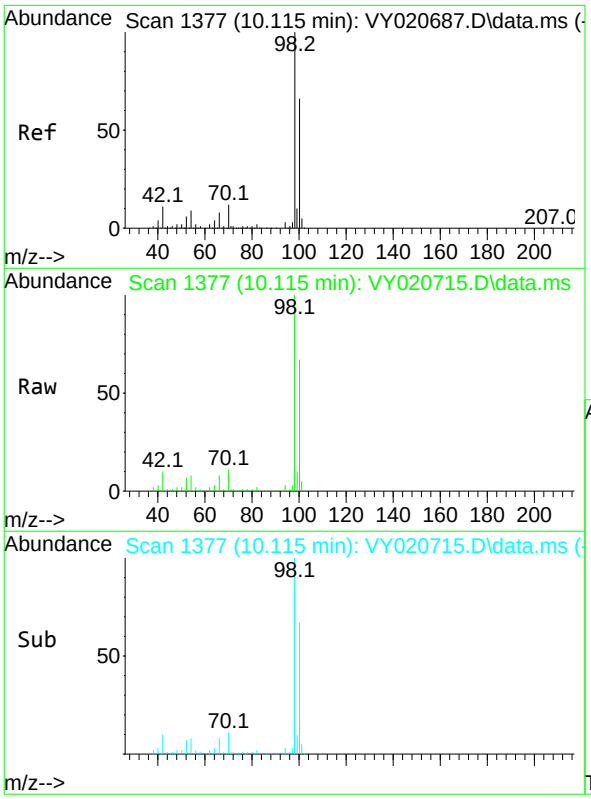
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

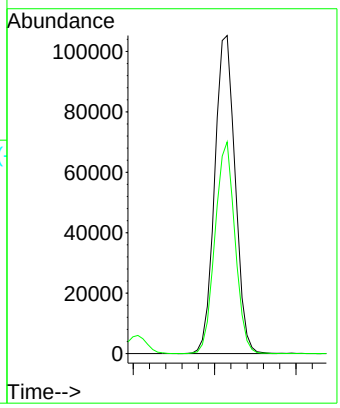


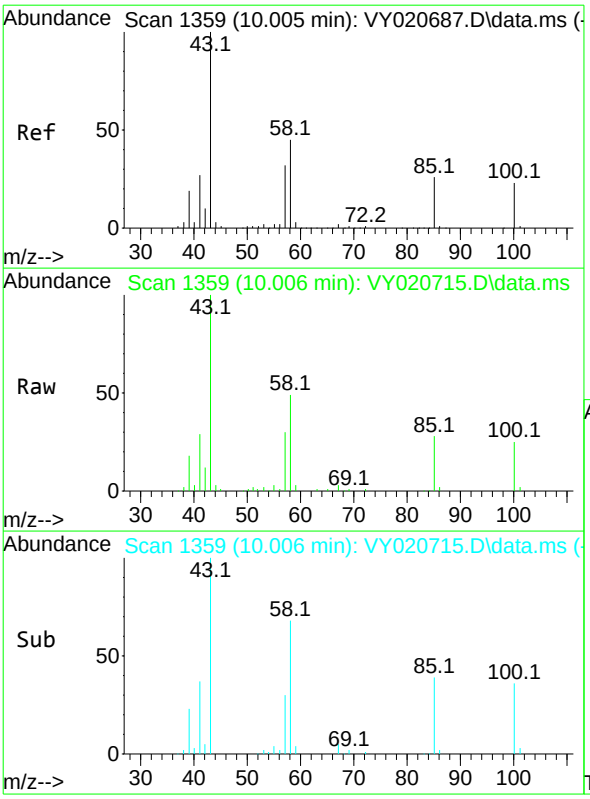


#50
Toluene-d8
Concen: 50.606 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 98 Resp: 183793

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.4





#51
4-Methyl-2-Pentanone
Concen: 105.031 ug/l
RT: 10.006 min Scan# 13
Delta R.T. 0.001 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 43 Resp: 42819

Ion	Ratio	Lower	Upper
43	100		
58	43.7	35.1	52.7

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

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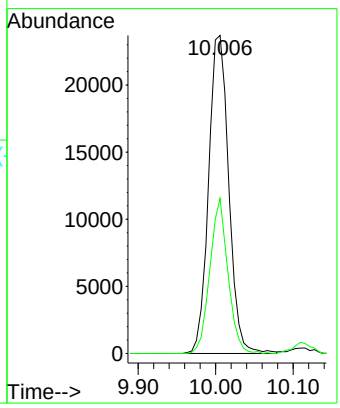
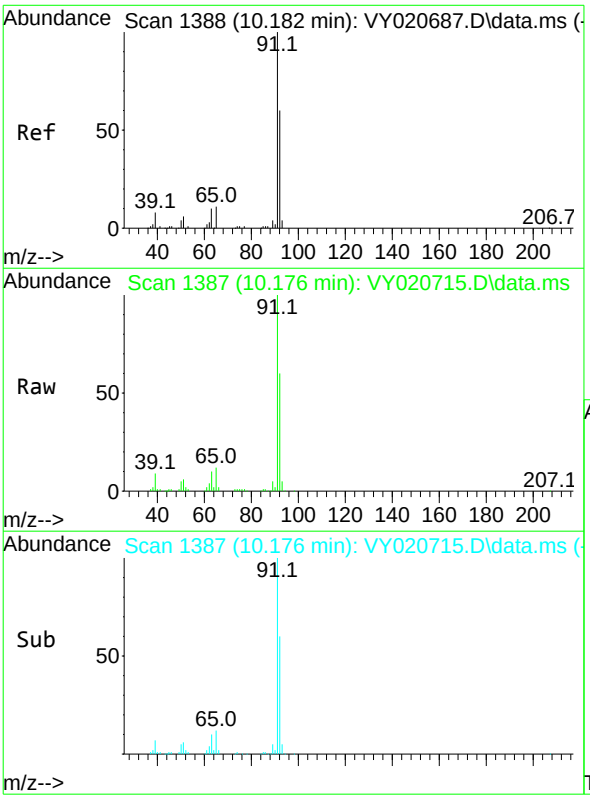
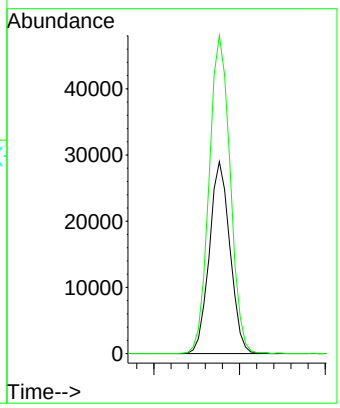


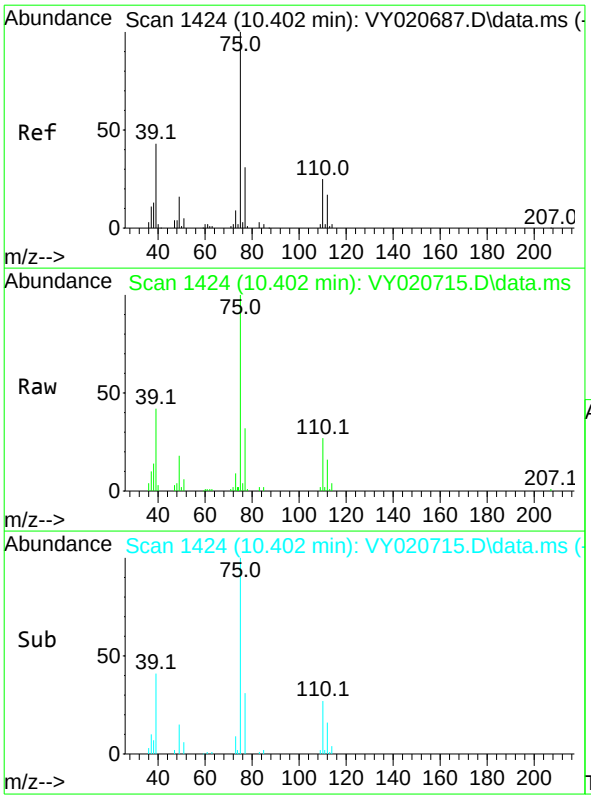


#52
Toluene
Concen: 20.266 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 92 Resp: 48544

Ion	Ratio	Lower	Upper
92	100		
91	169.4	137.7	206.5





#53
t-1,3-Dichloropropene
Concen: 19.744 ug/l
RT: 10.402 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 75 Resp: 24065

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.1	37.7

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

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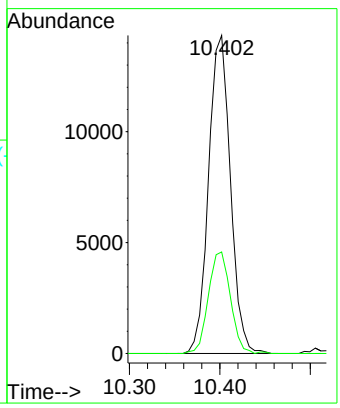
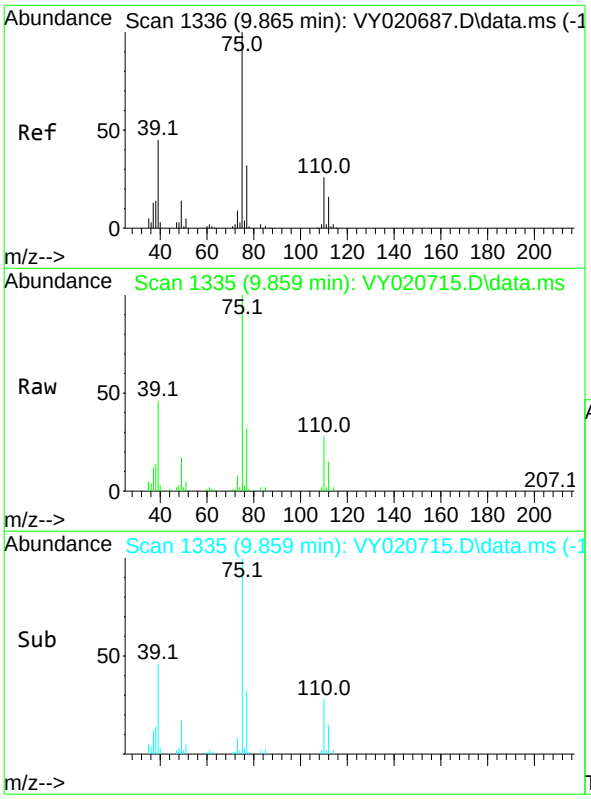
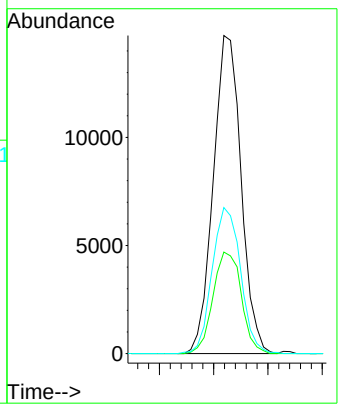


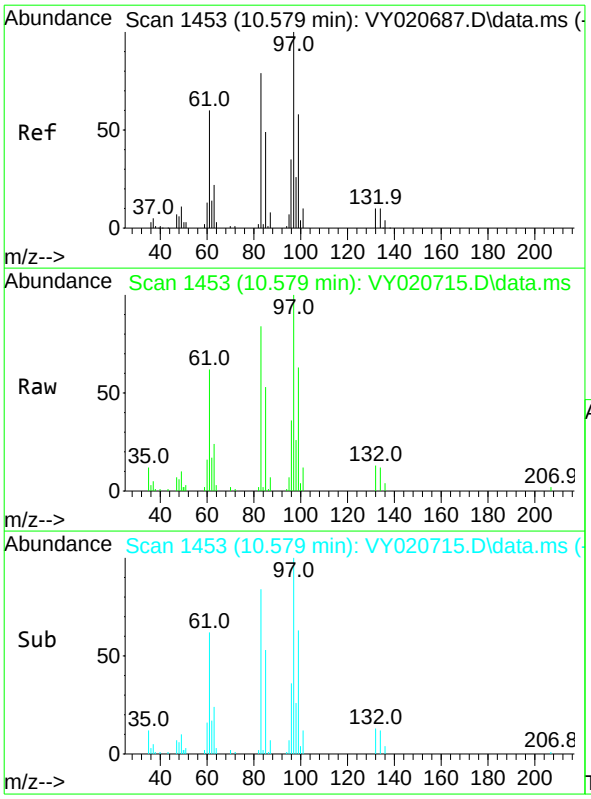


#54
cis-1,3-Dichloropropene
Concen: 19.616 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 75 Resp: 26207

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.6	38.4
39	45.9	36.2	54.2

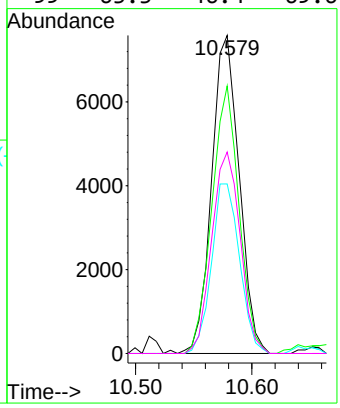




#55
1,1,2-Trichloroethane
Concen: 20.014 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 97 Resp: 12505

Ion	Ratio	Lower	Upper
97	100		
83	84.1	63.1	94.7
85	53.3	39.5	59.3
99	63.3	46.4	69.6



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

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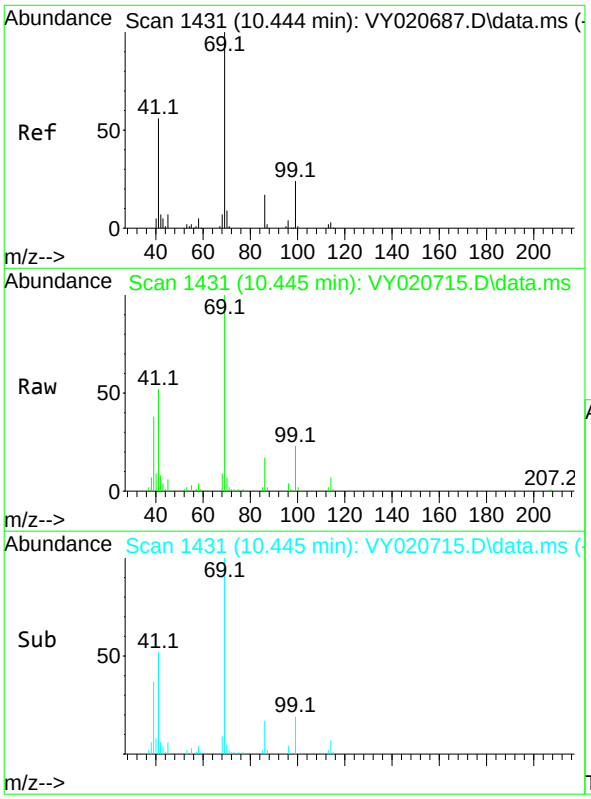
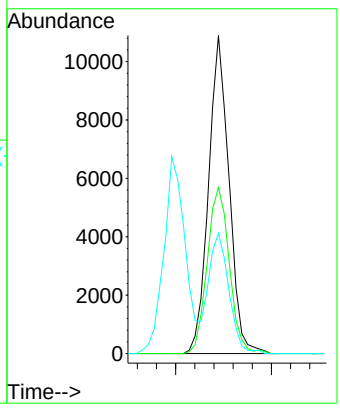
Supervised By :Semsettin Yesilyurt 12/27/2024

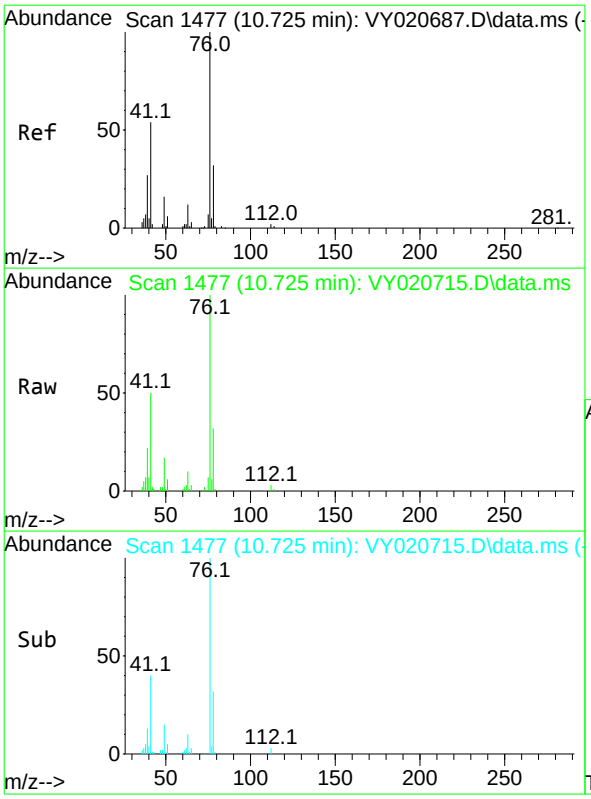


#56
Ethyl methacrylate
Concen: 19.708 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.001 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 69 Resp: 16177

Ion	Ratio	Lower	Upper
69	100		
41	56.5	43.8	65.6
39	37.1	32.0	48.0

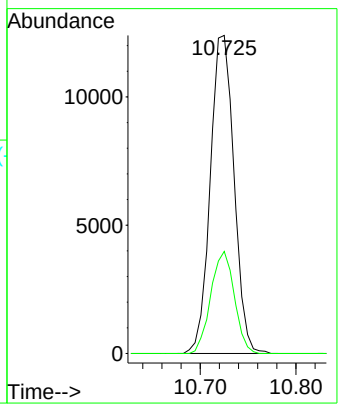




#57
1,3-Dichloropropane
Concen: 21.046 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 76 Resp: 21343

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

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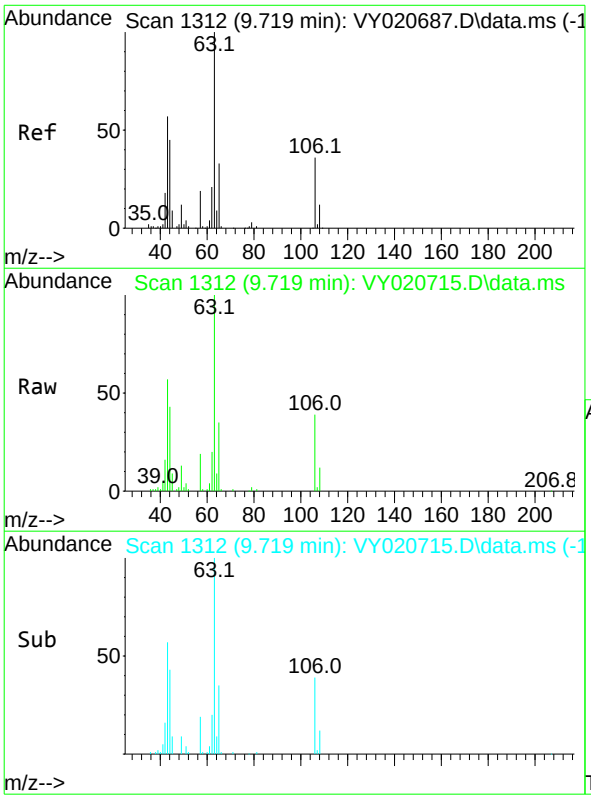
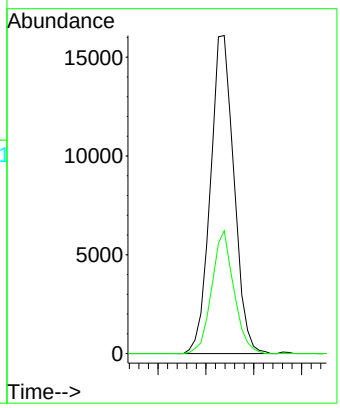
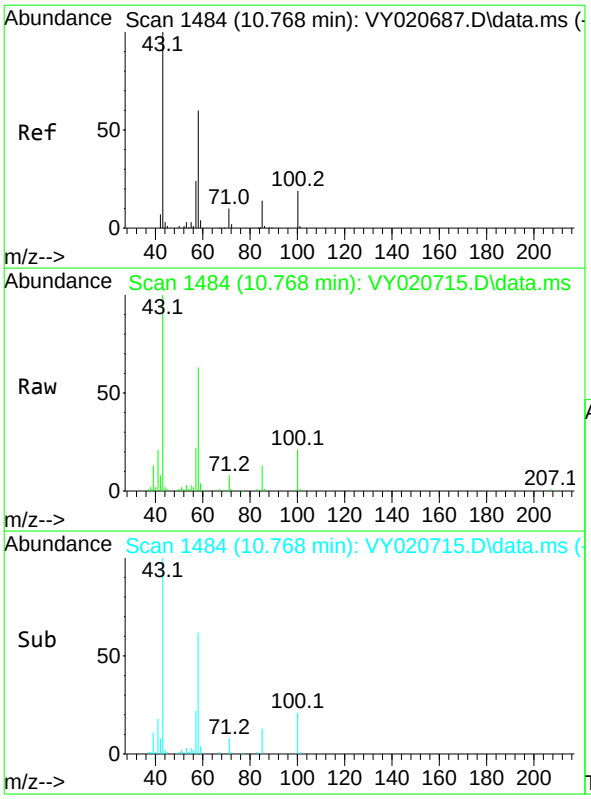


#58
2-Chloroethyl Vinyl ether
Concen: 96.265 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 63 Resp: 27555

Ion	Ratio	Lower	Upper
63	100		
106	36.1	29.1	43.7





#59
2-Hexanone
Concen: 104.703 ug/l
RT: 10.768 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 43 Resp: 28183

Ion	Ratio	Lower	Upper
43	100		
58	61.5	30.1	90.5

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Manual Integrations
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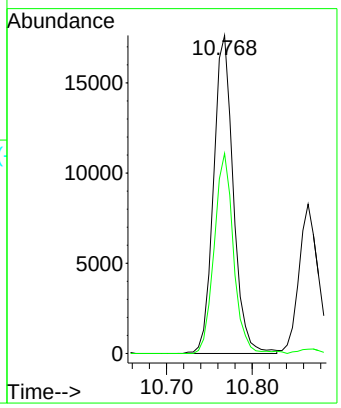
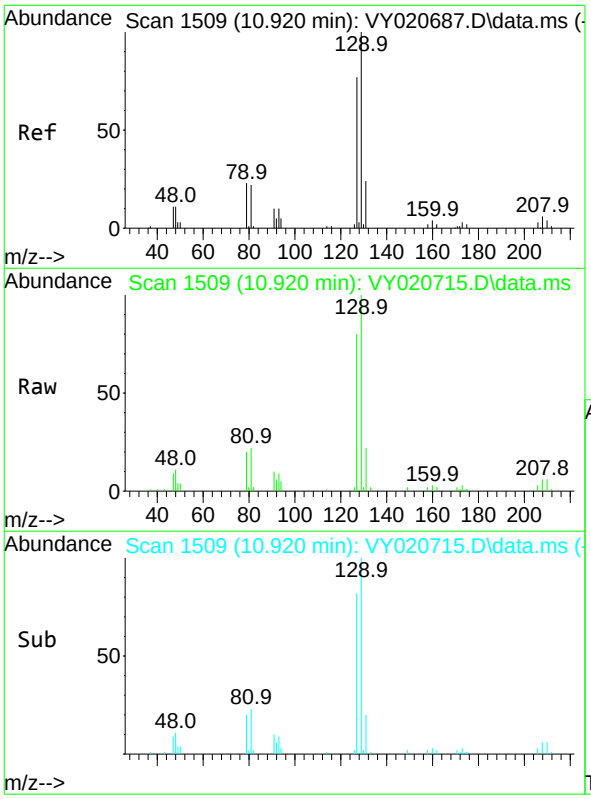
Supervised By :Semsettin Yesilyurt 12/27/2024

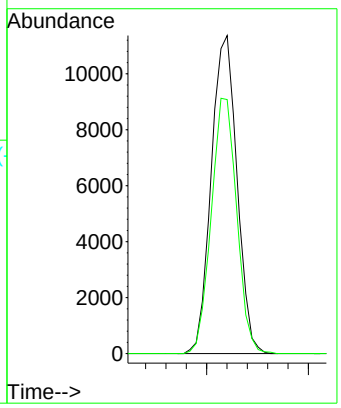


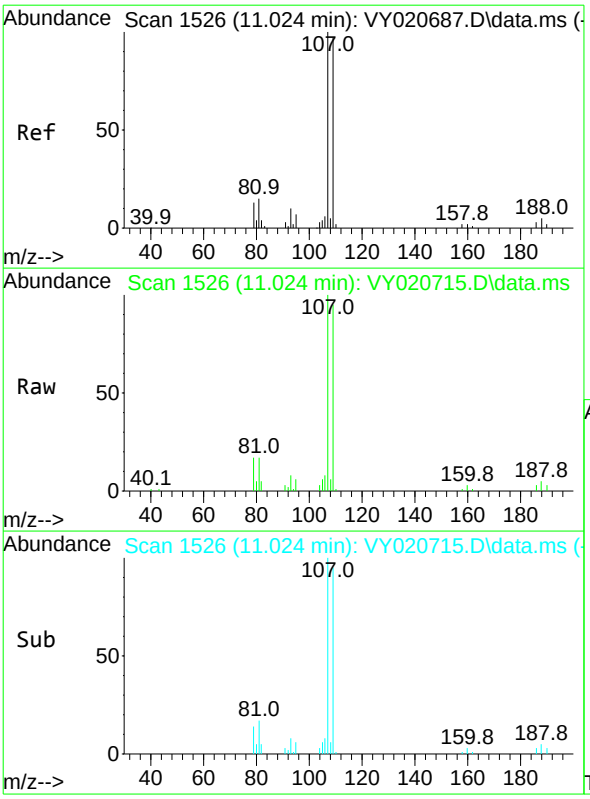


#60
Dibromochloromethane
Concen: 19.763 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:129 Resp: 19953

Ion	Ratio	Lower	Upper
129	100		
127	79.5	38.5	115.5





#61
1,2-Dibromoethane
Concen: 20.222 ug/l
RT: 11.024 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion:107 Resp: 11889

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.5	113.3

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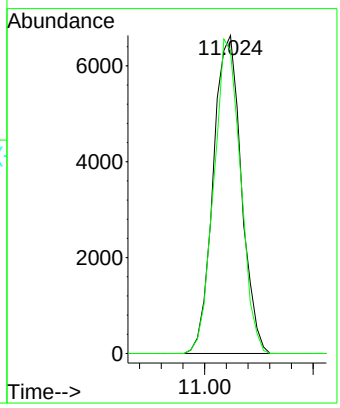
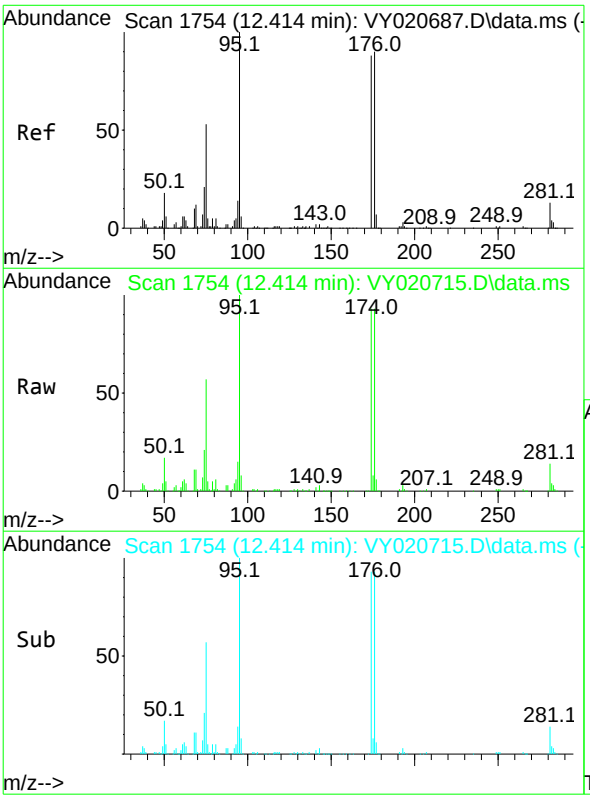
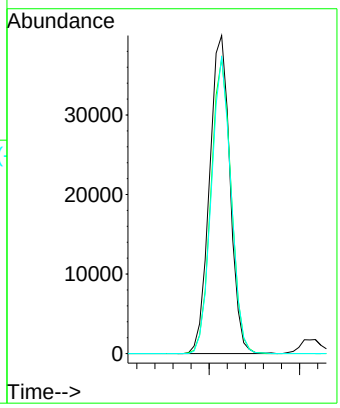


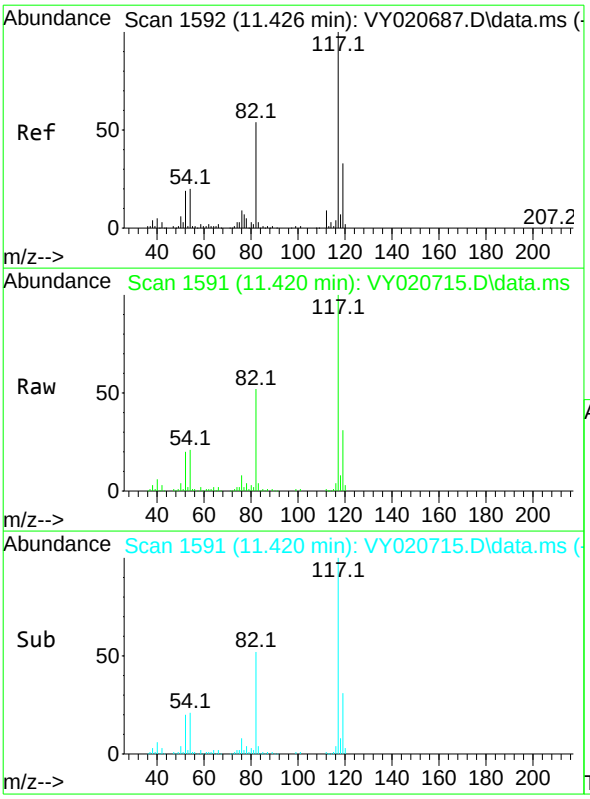


#62
4-Bromofluorobenzene
Concen: 51.825 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 95 Resp: 62876

Ion	Ratio	Lower	Upper
95	100		
174	91.0	0.0	179.2
176	89.4	0.0	179.8

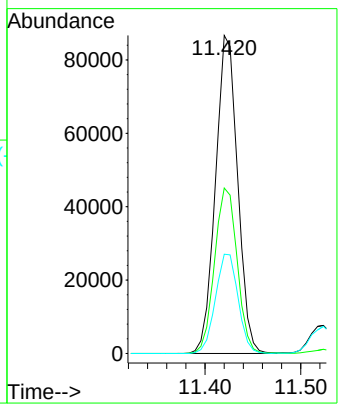




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:117 Resp: 139363

Ion	Ratio	Lower	Upper
117	100		
82	52.0	43.4	65.2
119	31.2	26.6	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

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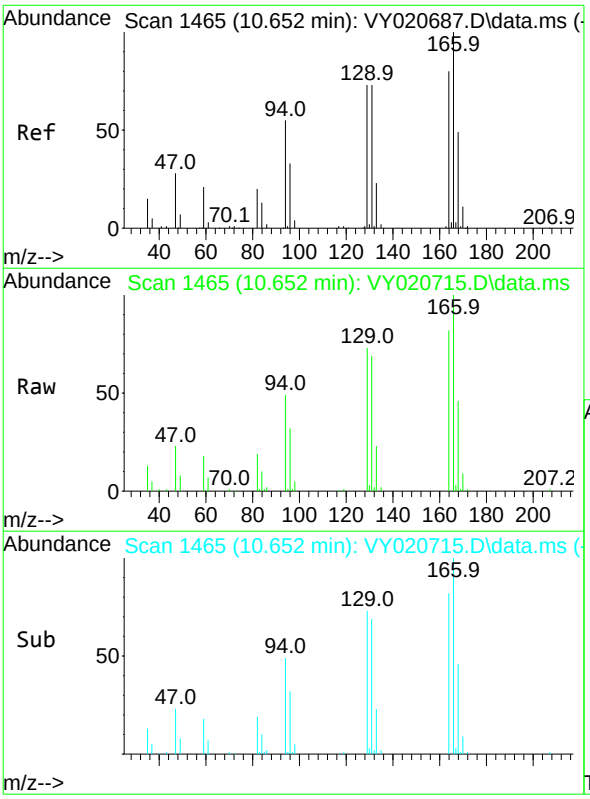
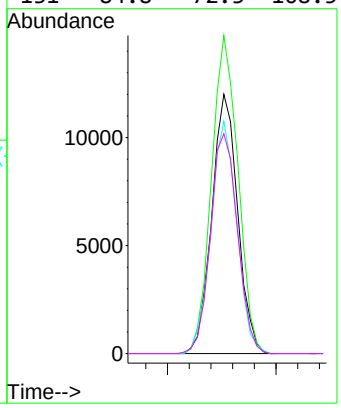
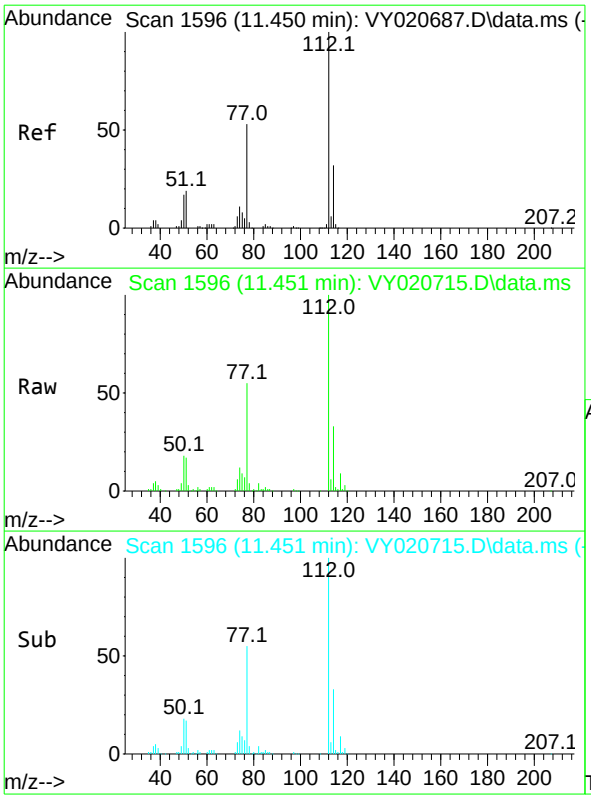


#64
Tetrachloroethene
Concen: 20.877 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:164 Resp: 19878

Ion	Ratio	Lower	Upper
164	100		
166	122.7	99.6	149.4
129	89.6	73.0	109.4
131	84.8	72.3	108.5

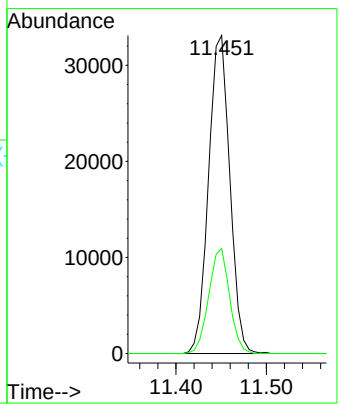




#65
Chlorobenzene
Concen: 19.832 ug/l
RT: 11.451 min Scan# 15
Delta R.T. 0.001 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:112 Resp: 54119

Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

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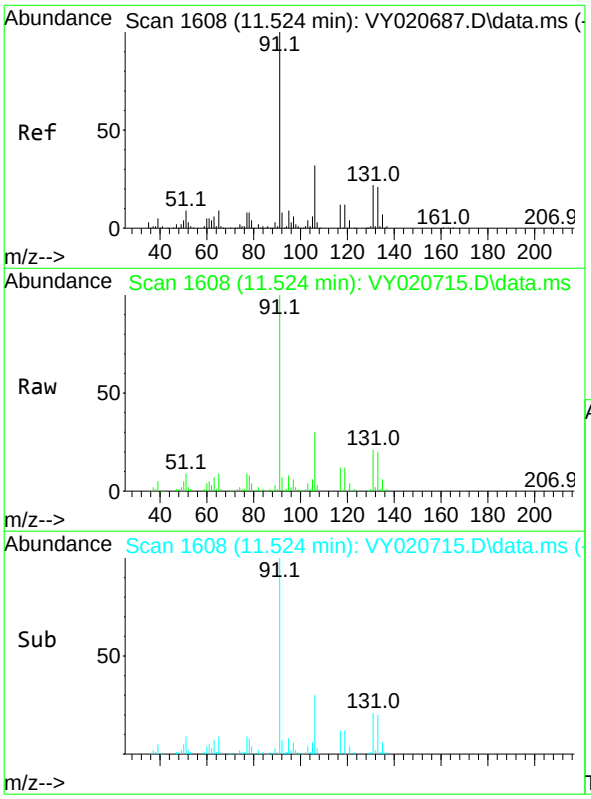
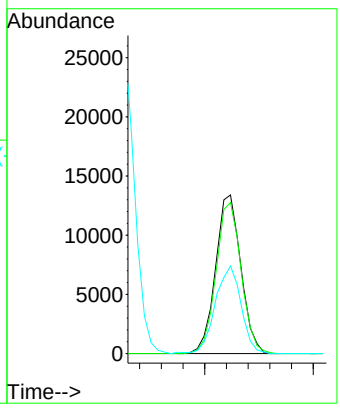
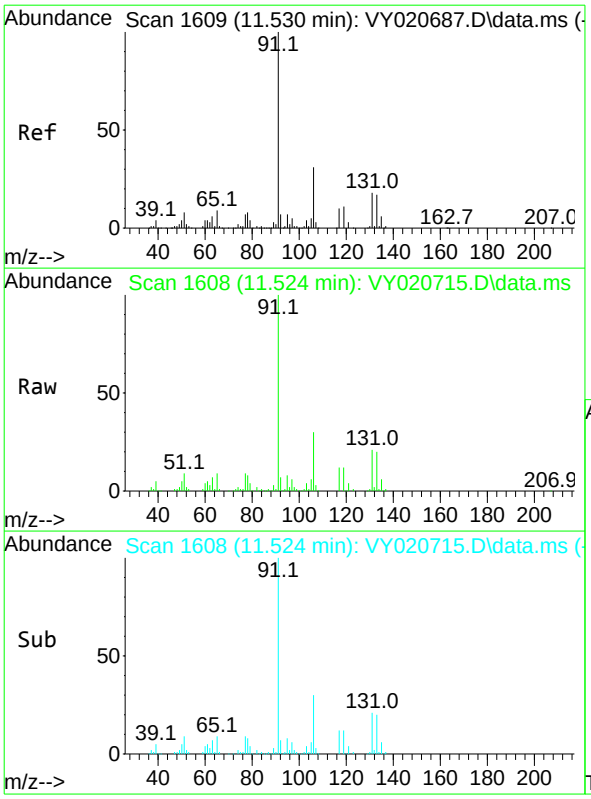


#66
1,1,1,2-Tetrachloroethane
Concen: 20.493 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:131 Resp: 21666

Ion	Ratio	Lower	Upper
131	100		
133	94.5	48.6	145.9
119	56.2	28.4	85.3

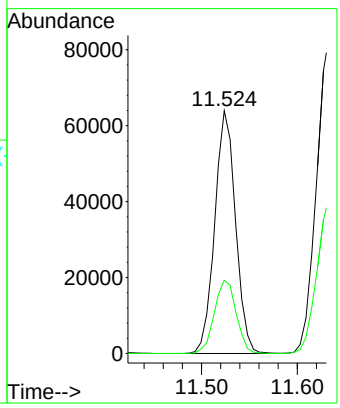




#67
Ethyl Benzene
Concen: 20.244 ug/l
RT: 11.524 min Scan# 16
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 91 Resp: 96550

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.5	36.7



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

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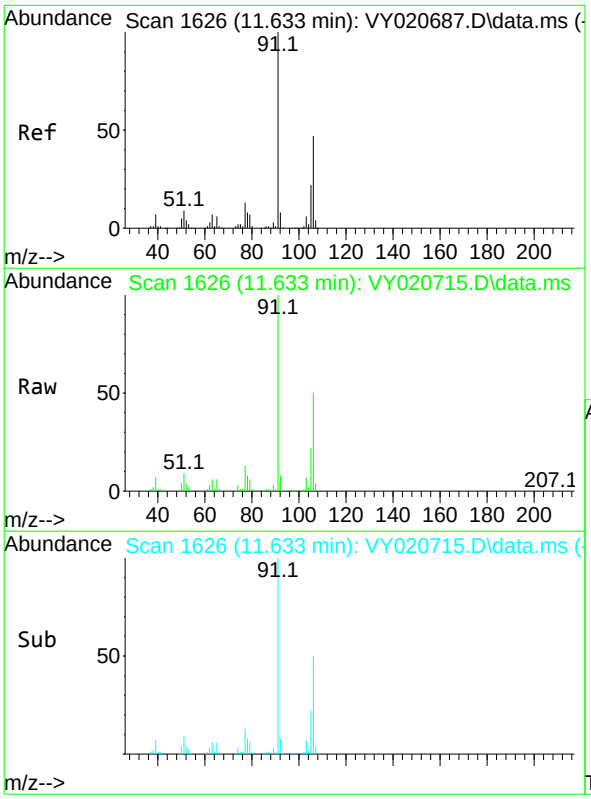
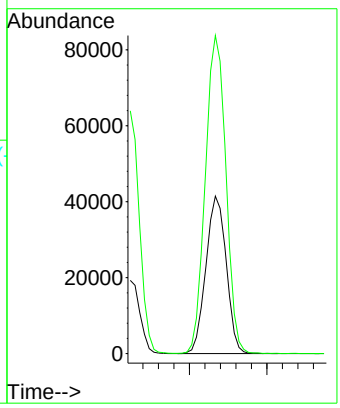
Supervised By :Semsettin Yesilyurt 12/27/2024

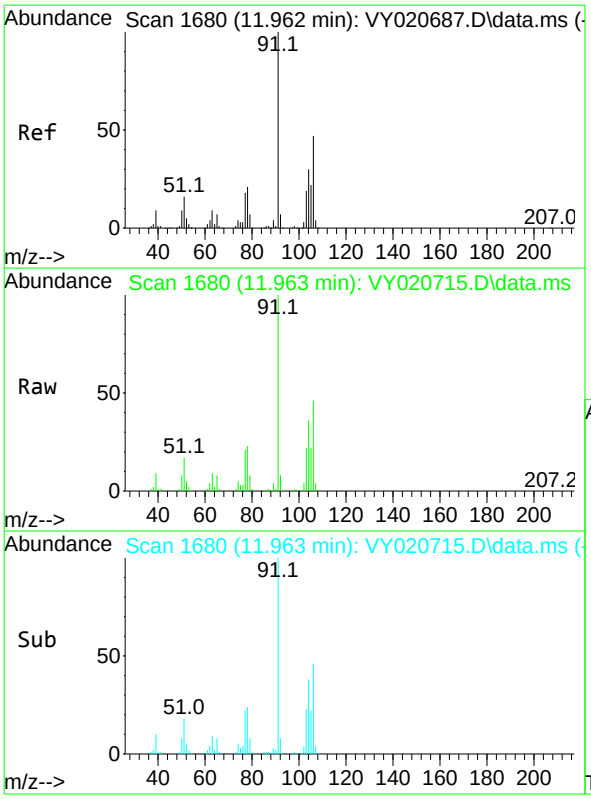


#68
m/p-Xylenes
Concen: 41.573 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:106 Resp: 75635

Ion	Ratio	Lower	Upper
106	100		
91	204.2	166.6	250.0

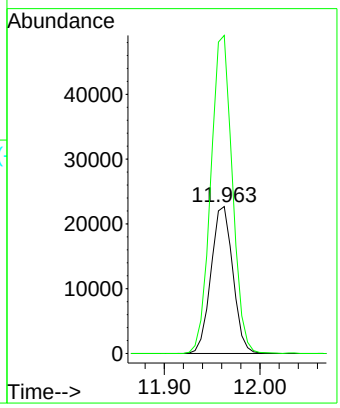




#69
o-Xylene
Concen: 20.693 ug/l
RT: 11.963 min Scan# 16
Delta R.T. 0.001 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:106 Resp: 35970

Ion	Ratio	Lower	Upper
106	100		
91	213.9	108.6	325.8



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

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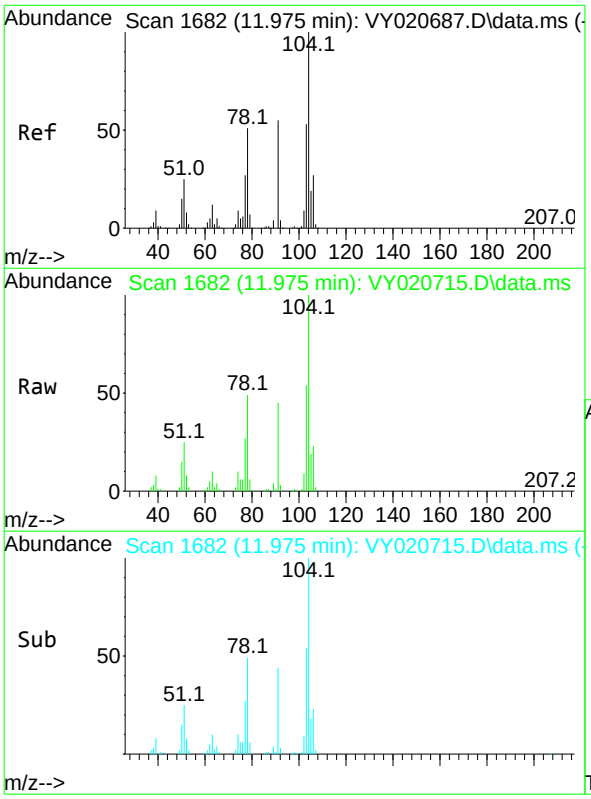
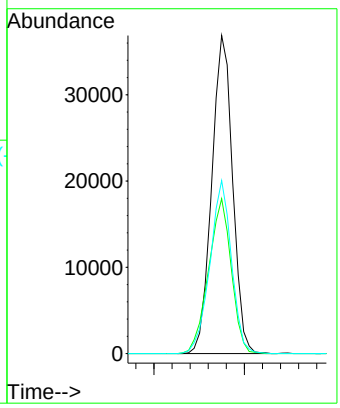
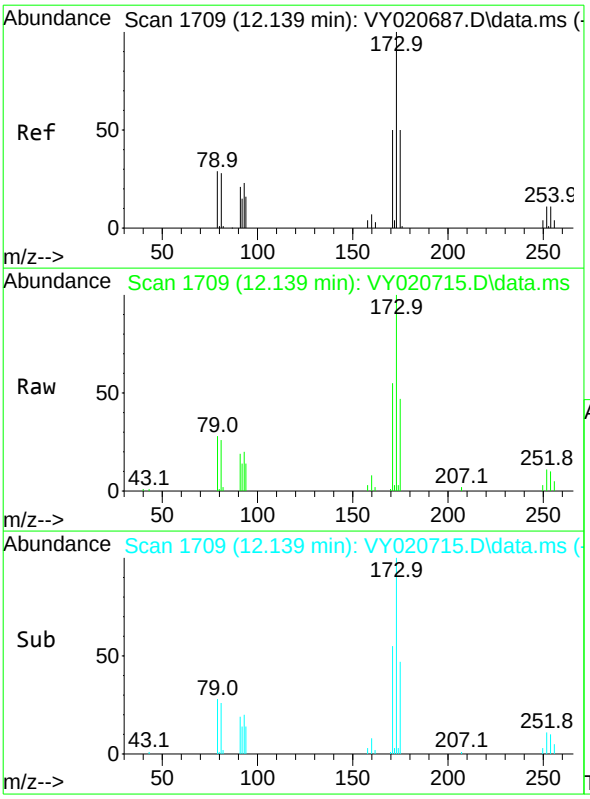


#70
Styrene
Concen: 20.228 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:104 Resp: 59026

Ion	Ratio	Lower	Upper
104	100		
78	53.0	43.0	64.4
103	56.3	44.4	66.6

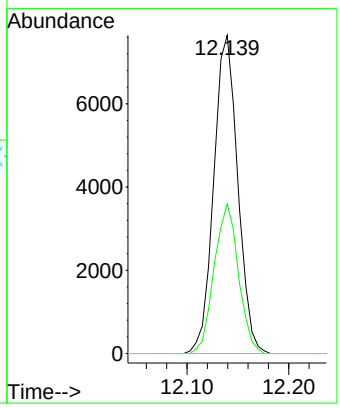




#71
Bromoform
Concen: 20.623 ug/l
RT: 12.139 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:173 Resp: 12535

Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.2	72.6
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
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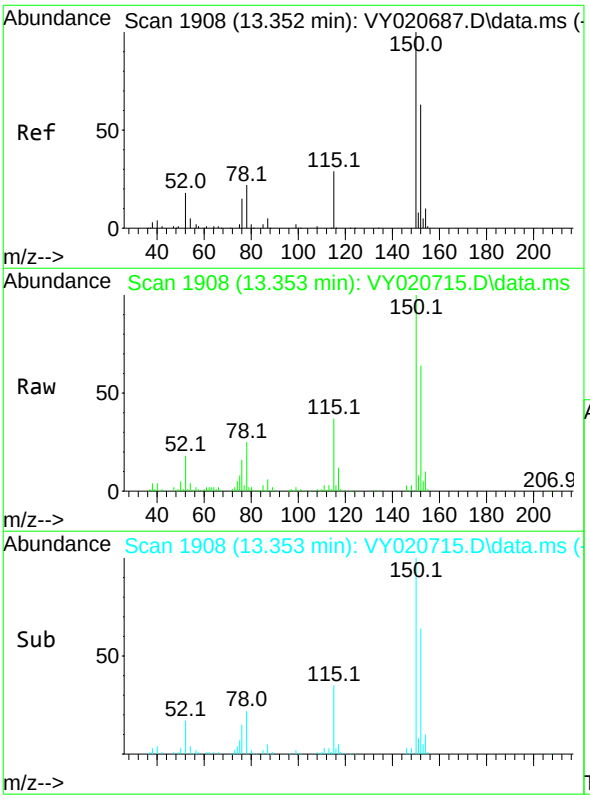
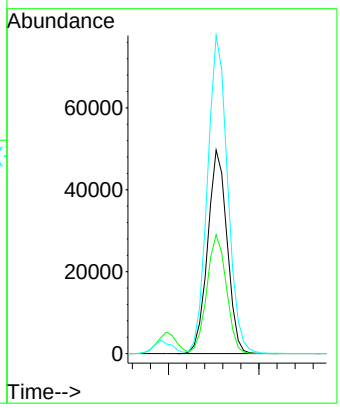
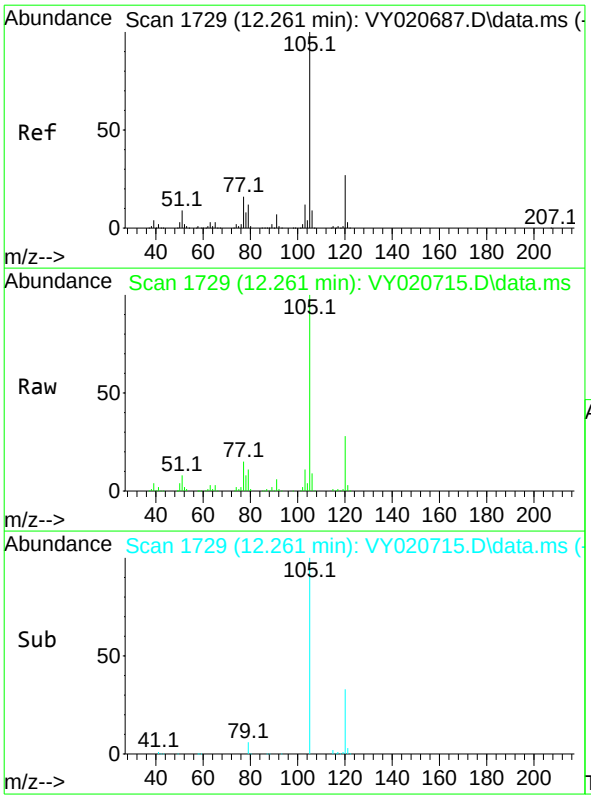


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.001 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:152 Resp: 74040

Ion	Ratio	Lower	Upper
152	100		
115	58.7	30.3	90.9
150	162.5	0.0	349.0





#73
Isopropylbenzene
Concen: 19.780 ug/l
RT: 12.261 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion:105 Resp: 101462

Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.3	39.9

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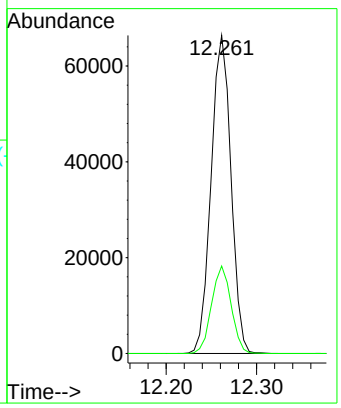
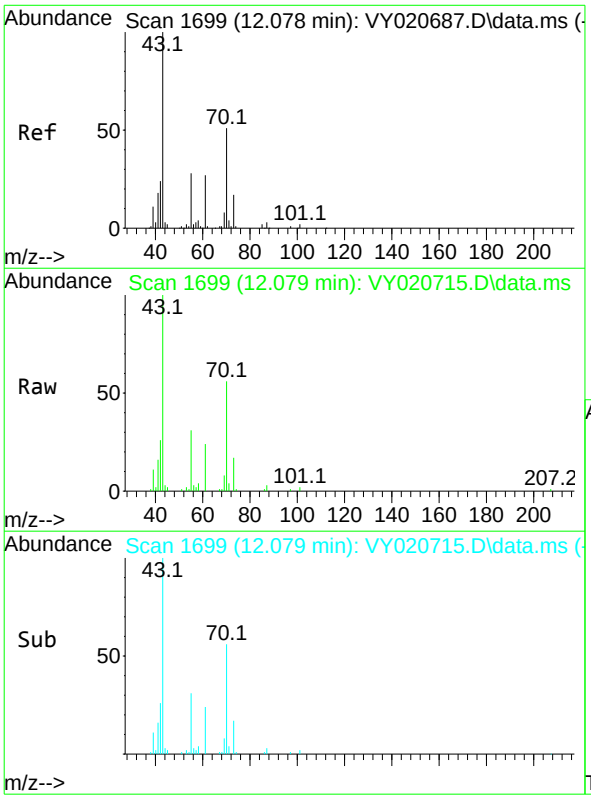
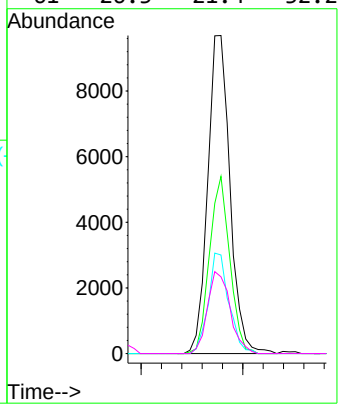


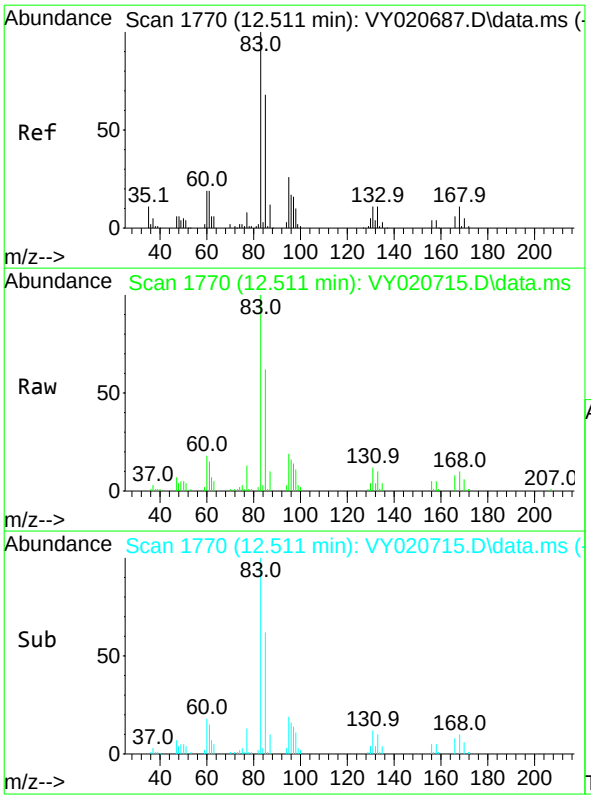


#74
N-amyl acetate
Concen: 20.191 ug/l
RT: 12.079 min Scan# 1699
Delta R.T. 0.001 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 43 Resp: 14718

Ion	Ratio	Lower	Upper
43	100		
70	50.8	39.7	59.5
55	29.3	21.5	32.3
61	26.3	21.4	32.2





#75
1,1,2,2-Tetrachloroethane
Concen: 20.903 ug/l
RT: 12.511 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 83 Resp: 13746

Ion	Ratio	Lower	Upper
83	100		
131	13.5	6.9	20.7
85	61.3	32.5	97.4

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

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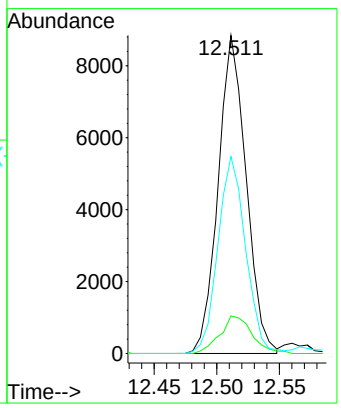
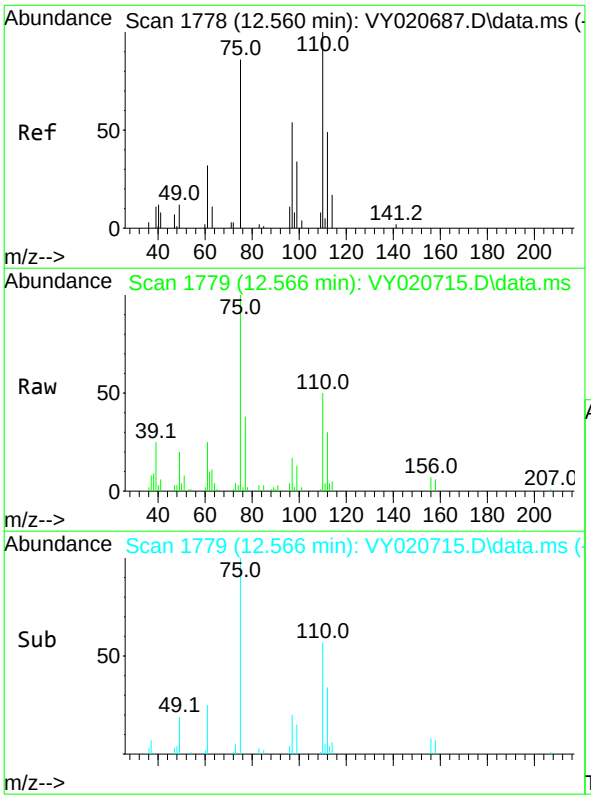
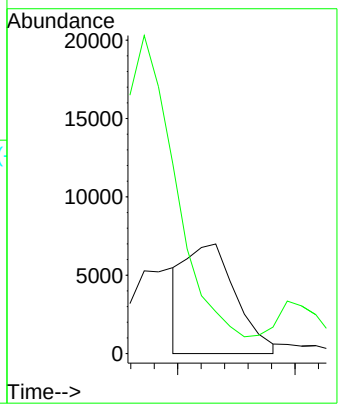


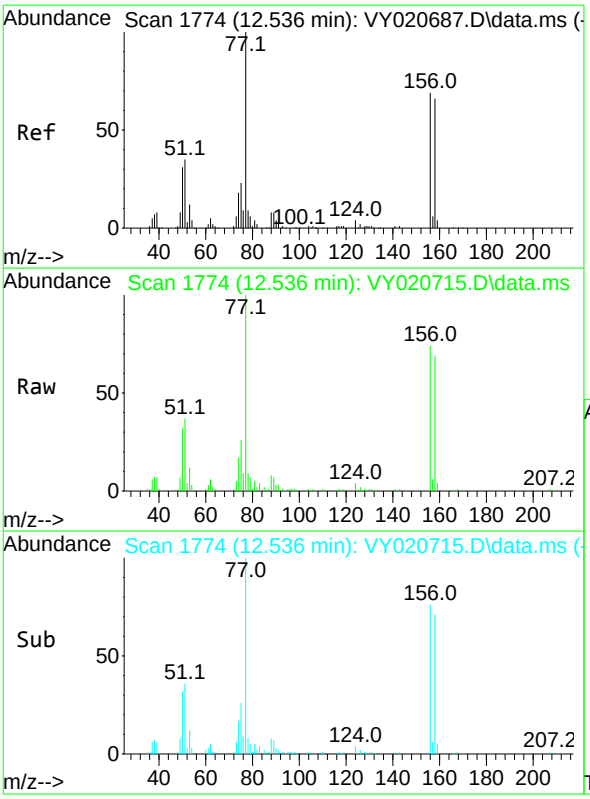


#76
1,2,3-Trichloropropane
Concen: 22.380 ug/l m
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 75 Resp: 10539

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 19.276 ug/l
RT: 12.536 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion:156 Resp: 22761

Ion	Ratio	Lower	Upper
156	100		
77	154.2	78.3	235.0
158	97.1	48.3	144.9

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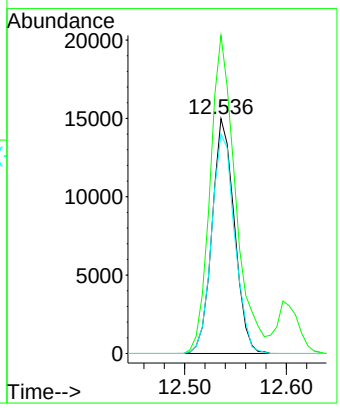
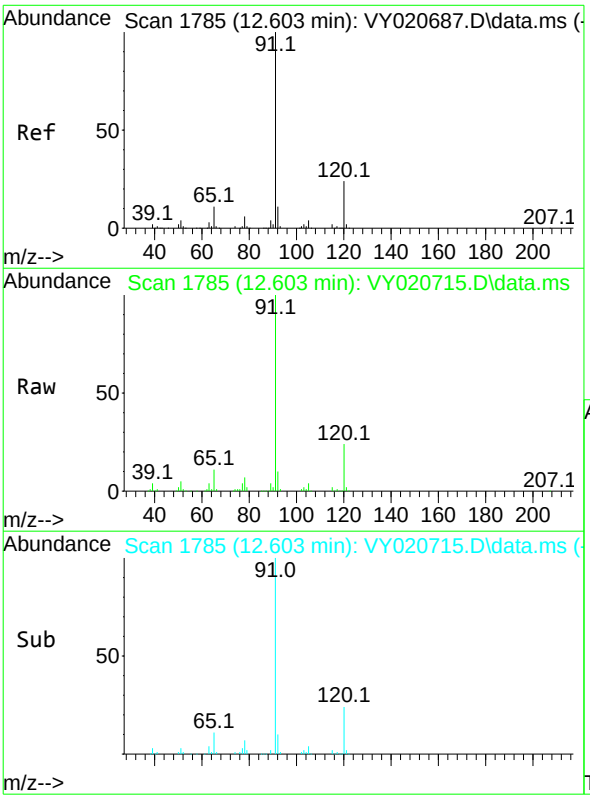
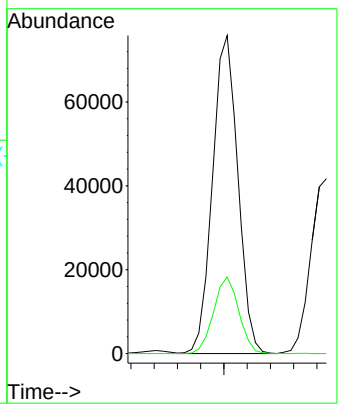


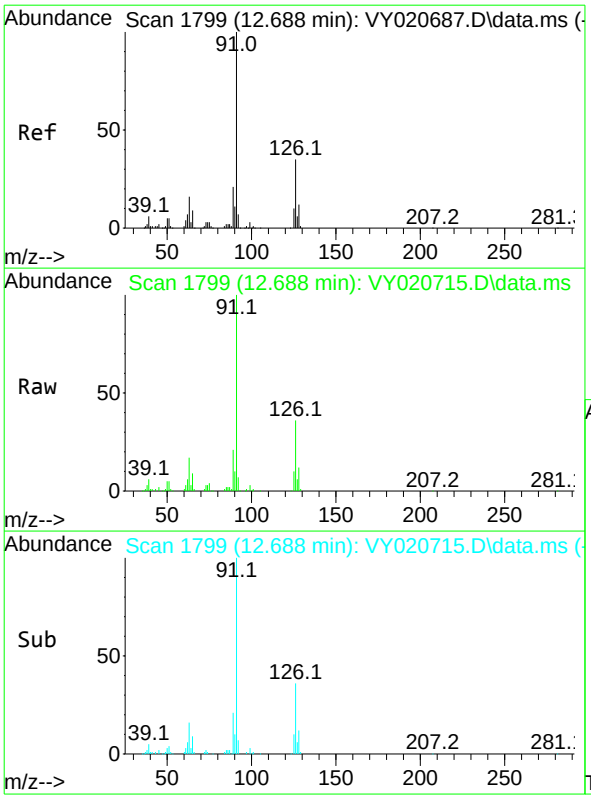


#78
n-propylbenzene
Concen: 19.993 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 91 Resp: 114949

Ion	Ratio	Lower	Upper
91	100		
120	23.9	12.3	36.8

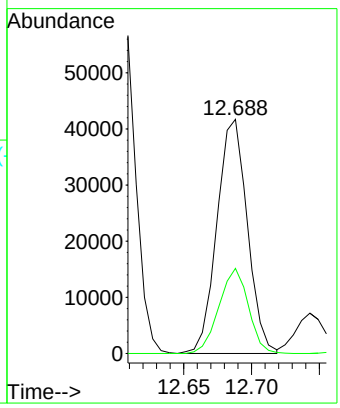




#79
2-Chlorotoluene
Concen: 19.862 ug/l
RT: 12.688 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 91 Resp: 65099

Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.8	53.3



Instrument :
MSVOA_Y
ClientSampleId :
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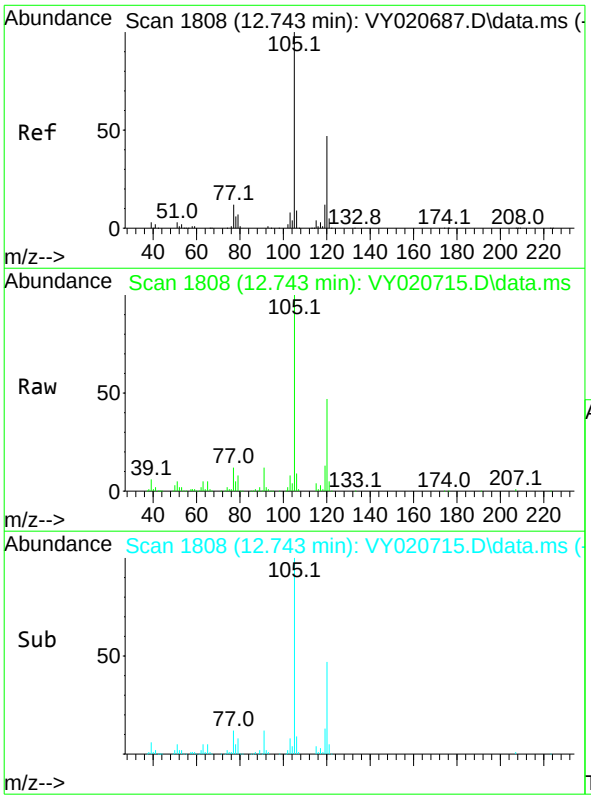
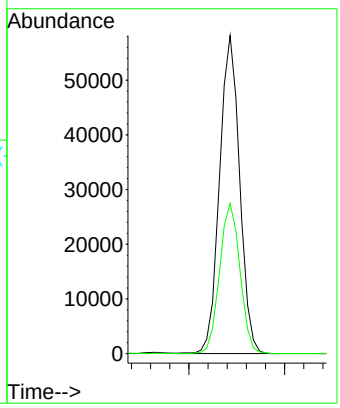
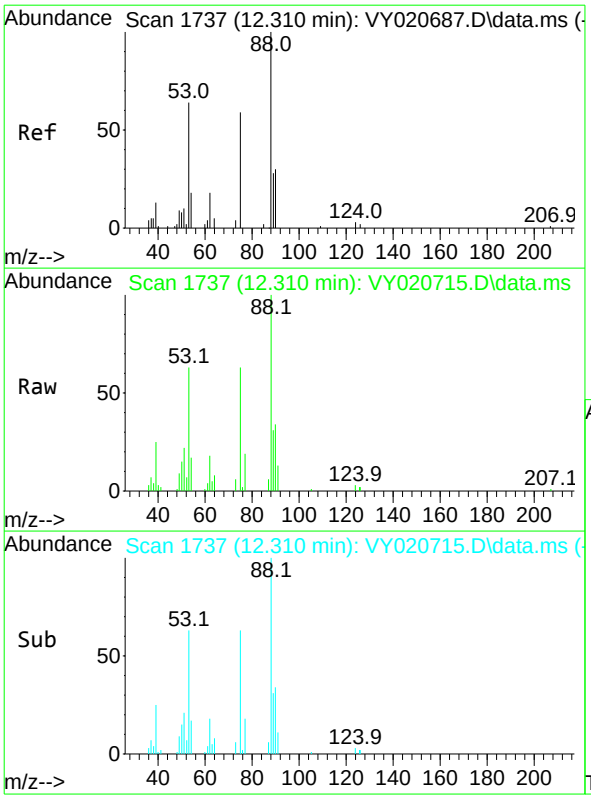


#80
1,3,5-Trimethylbenzene
Concen: 19.855 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:105 Resp: 84854

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.9	71.7

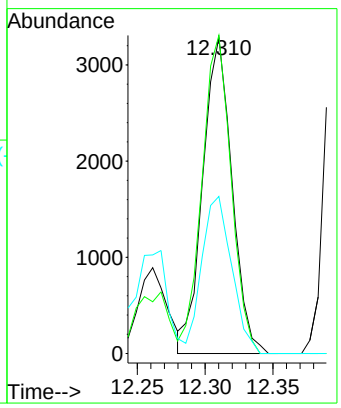




#81
trans-1,4-Dichloro-2-butene
Concen: 20.601 ug/l
RT: 12.310 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 75 Resp: 4908

Ion	Ratio	Lower	Upper
75	100		
53	100.3	83.1	124.7
89	50.8	40.6	61.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

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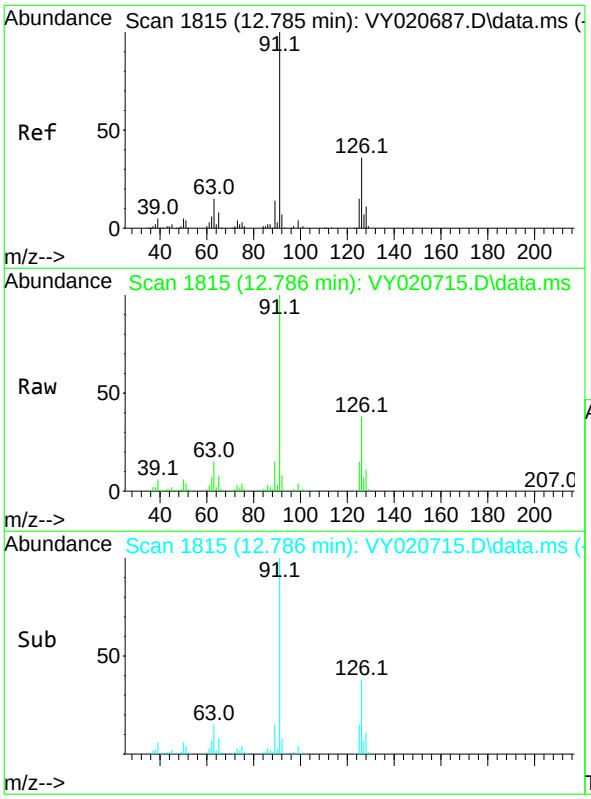
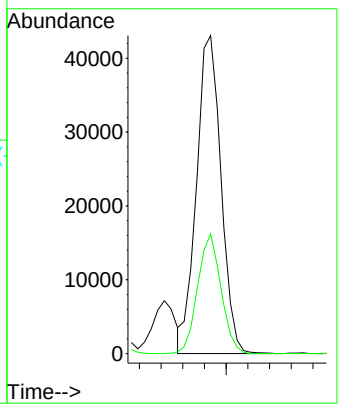
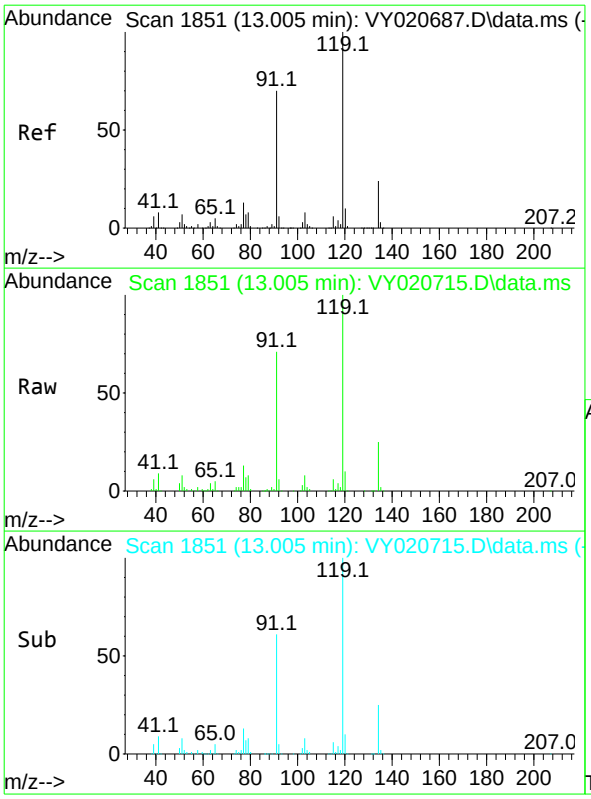


#82
4-Chlorotoluene
Concen: 19.951 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.001 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 91 Resp: 67579

Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.8	53.5





#83
tert-Butylbenzene
Concen: 19.784 ug/l
RT: 13.005 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:119 Resp: 78963

Ion	Ratio	Lower	Upper
119	100		
91	67.1	33.6	100.8
134	26.7	13.4	40.2

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

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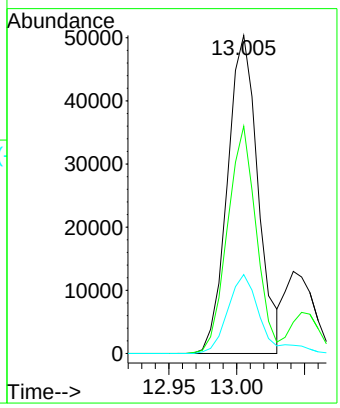
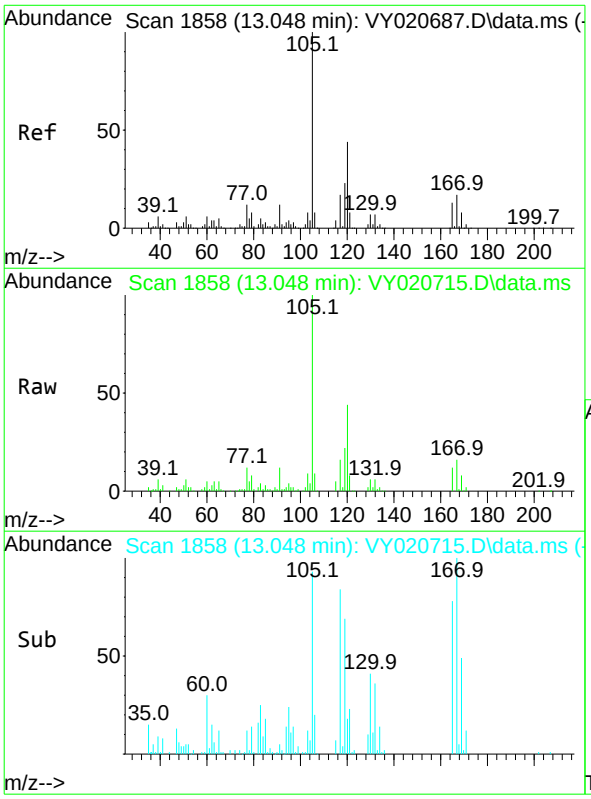
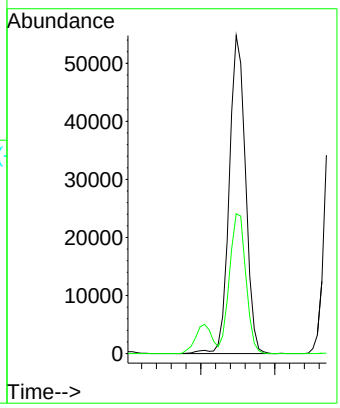


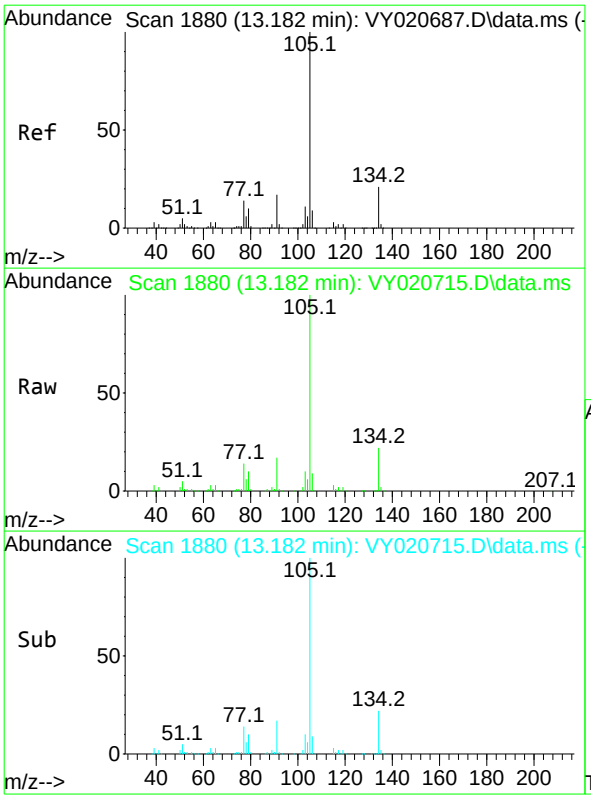


#84
1,2,4-Trimethylbenzene
Concen: 20.030 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:105 Resp: 83301

Ion	Ratio	Lower	Upper
105	100		
120	44.5	21.8	65.3

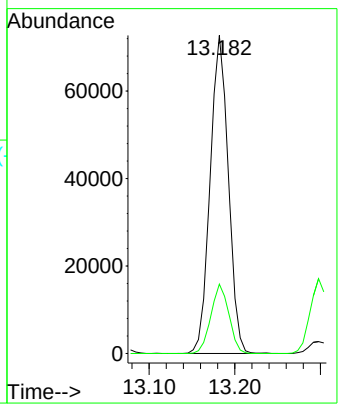




#85
sec-Butylbenzene
Concen: 19.960 ug/l
RT: 13.182 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:105 Resp: 107364

Ion	Ratio	Lower	Upper
105	100		
134	21.5	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

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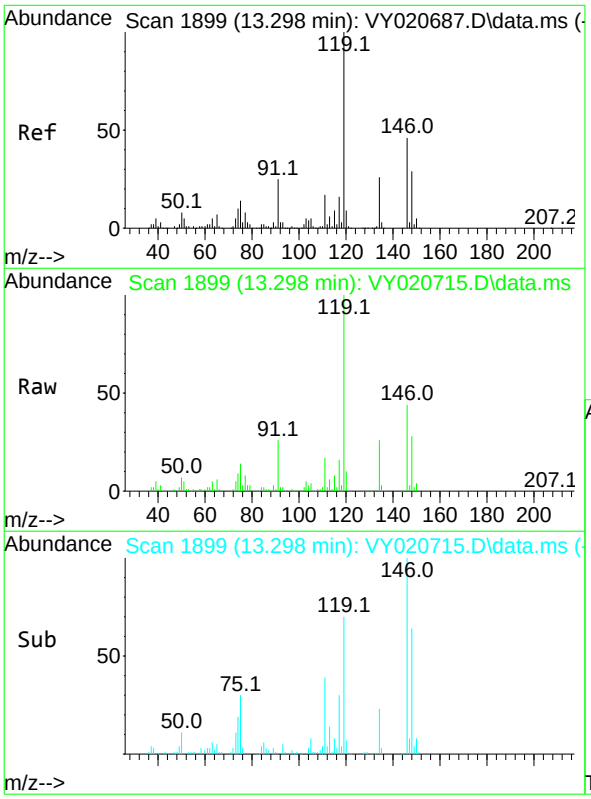
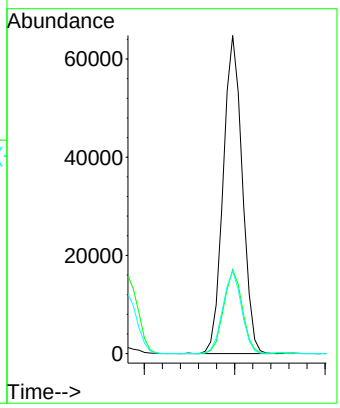
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

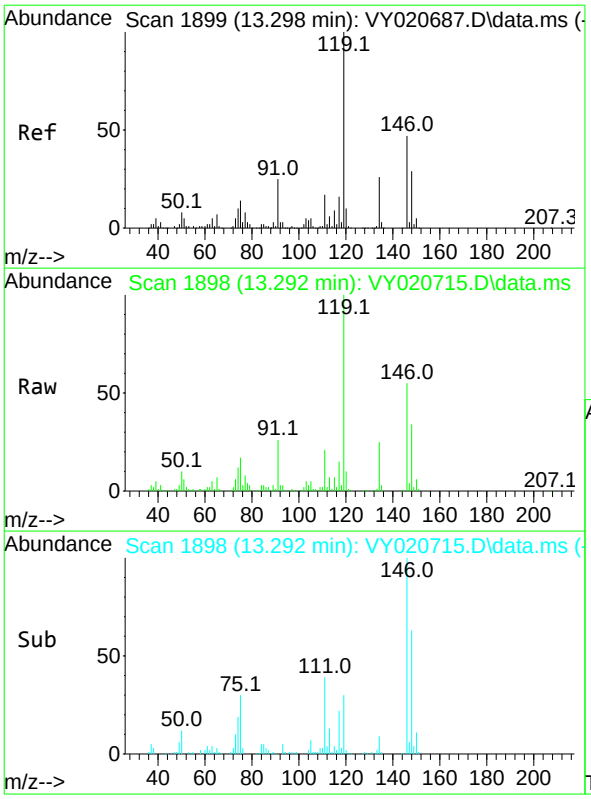


#86
p-Isopropyltoluene
Concen: 19.792 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:119 Resp: 94876

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.4	40.2
91	25.7	12.9	38.6

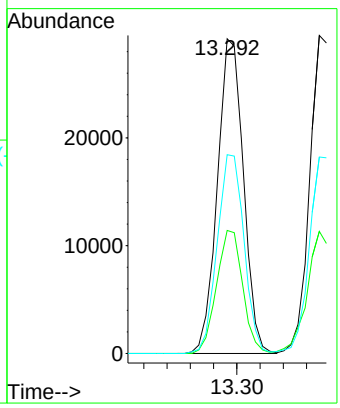




#87
1,3-Dichlorobenzene
Concen: 19.696 ug/l
RT: 13.292 min Scan# 18
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:146 Resp: 45455

Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.3	57.8
148	64.9	31.1	93.5



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Manual Integrations
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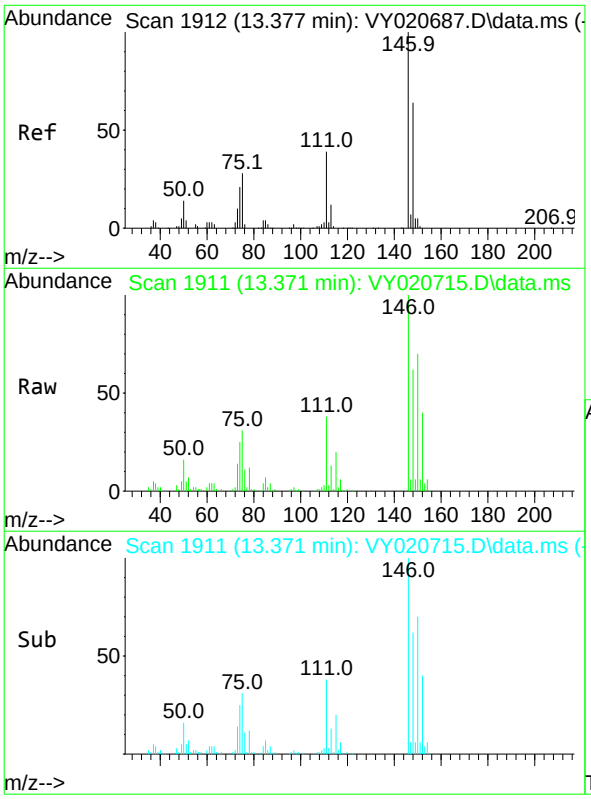
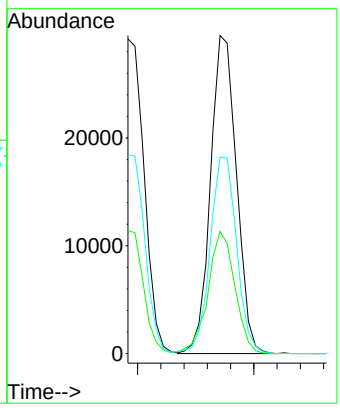
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

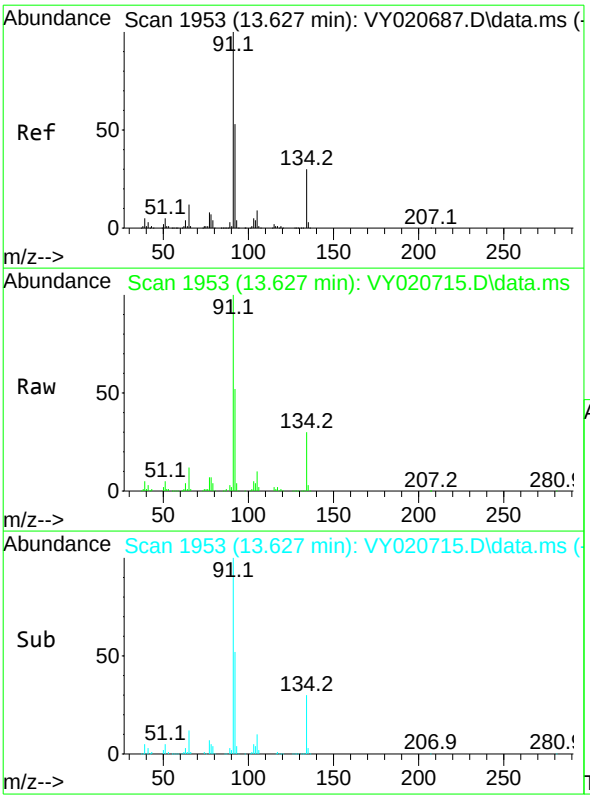


#88
1,4-Dichlorobenzene
Concen: 19.948 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:146 Resp: 45797

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.7	59.0
148	63.3	32.8	98.3





#89
n-Butylbenzene
Concen: 19.949 ug/l
RT: 13.627 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 91 Resp: 79827

Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.1	78.2
134	29.3	14.8	44.4

Manual Integrations
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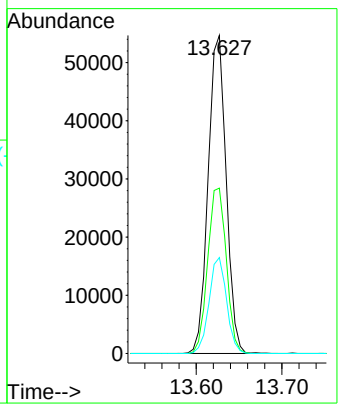
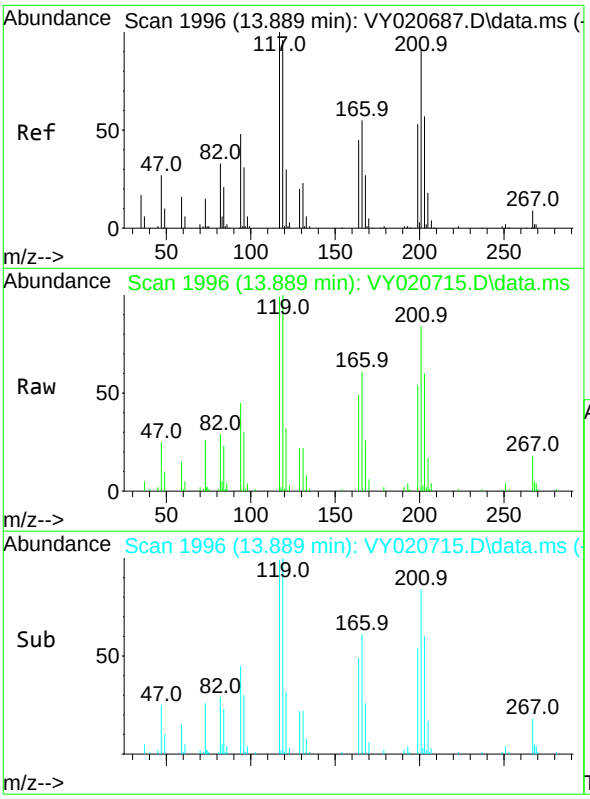
Supervised By :Semsettin Yesilyurt 12/27/2024

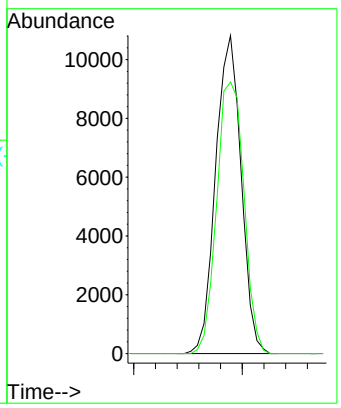


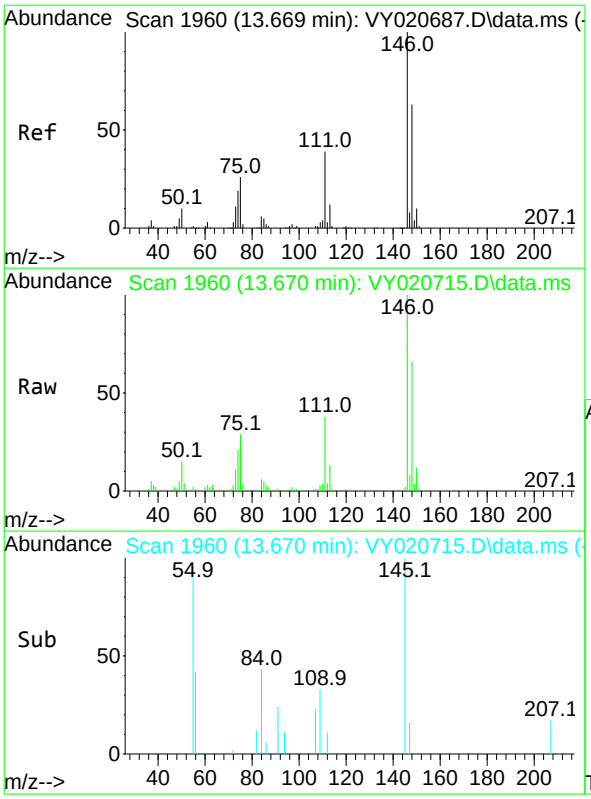


#90
Hexachloroethane
Concen: 19.307 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:117 Resp: 17599

Ion	Ratio	Lower	Upper
117	100		
201	91.6	44.9	134.7





#91
1,2-Dichlorobenzene
Concen: 20.294 ug/l
RT: 13.670 min Scan# 19
Delta R.T. 0.001 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:146 Resp: 40158

Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.3	60.8
148	63.7	31.9	95.5

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Manual Integrations
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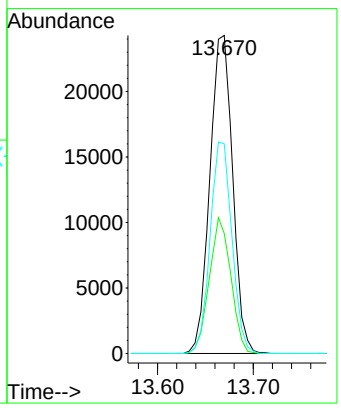
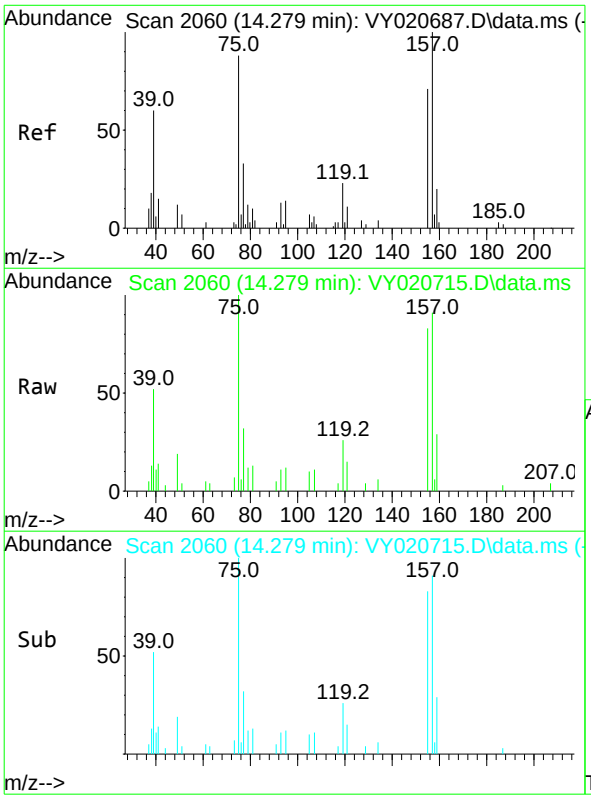
Supervised By :Semsettin Yesilyurt 12/27/2024

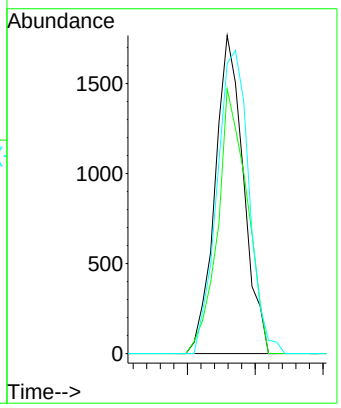


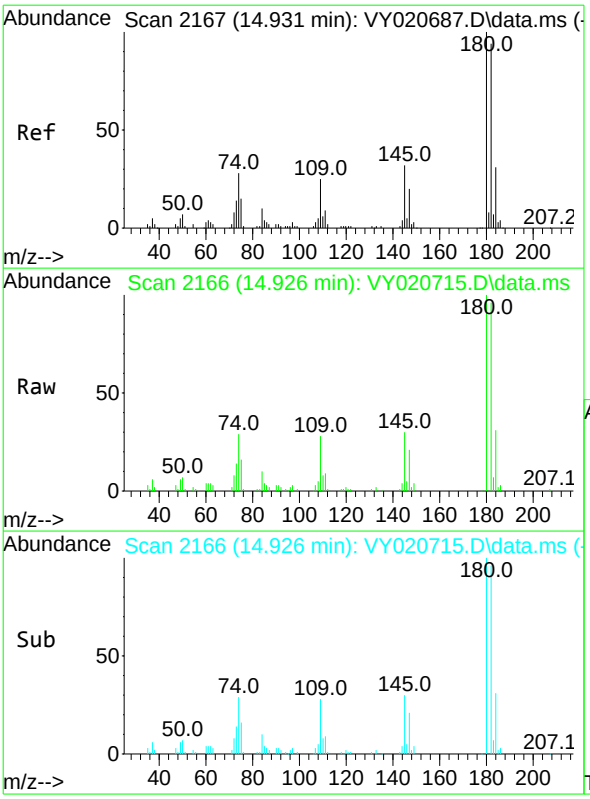


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.237 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 75 Resp: 2581

Ion	Ratio	Lower	Upper
75	100		
155	85.5	43.4	130.2
157	107.0	58.6	175.7





#93
1,2,4-Trichlorobenzene
Concen: 19.039 ug/l
RT: 14.926 min Scan# 21
Delta R.T. -0.005 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion:180 Resp: 23946

Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.9	143.7
145	31.6	15.6	46.8

Manual Integrations
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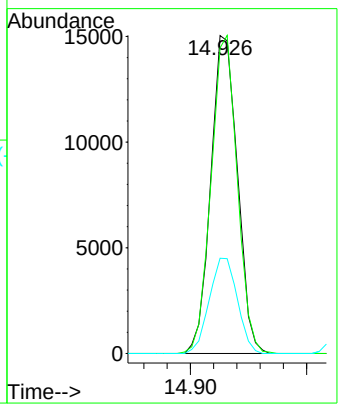
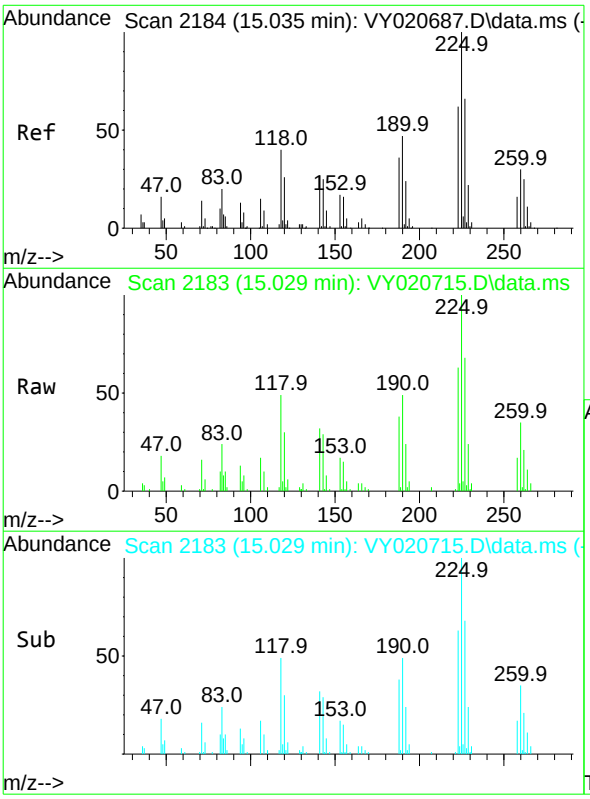
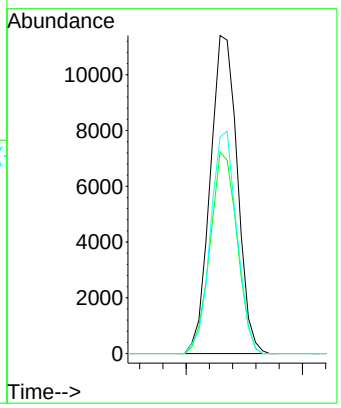


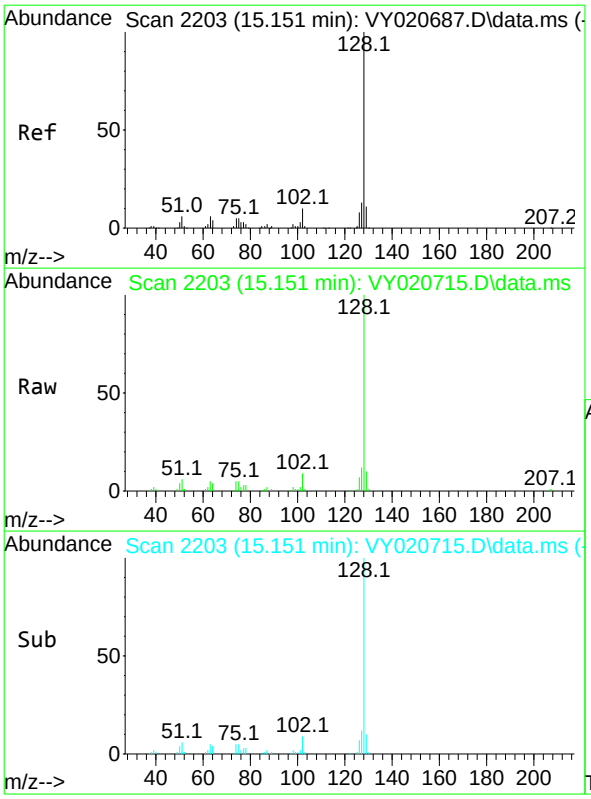


#94
Hexachlorobutadiene
Concen: 20.177 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:225 Resp: 18496

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.3	93.8
227	67.7	32.1	96.5





#95
Naphthalene
Concen: 20.005 ug/l
RT: 15.151 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion:128 Resp: 40300

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.7	16.1
129	11.0	8.6	12.8

Manual Integrations
APPROVED

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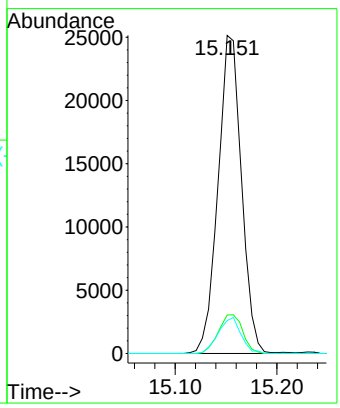
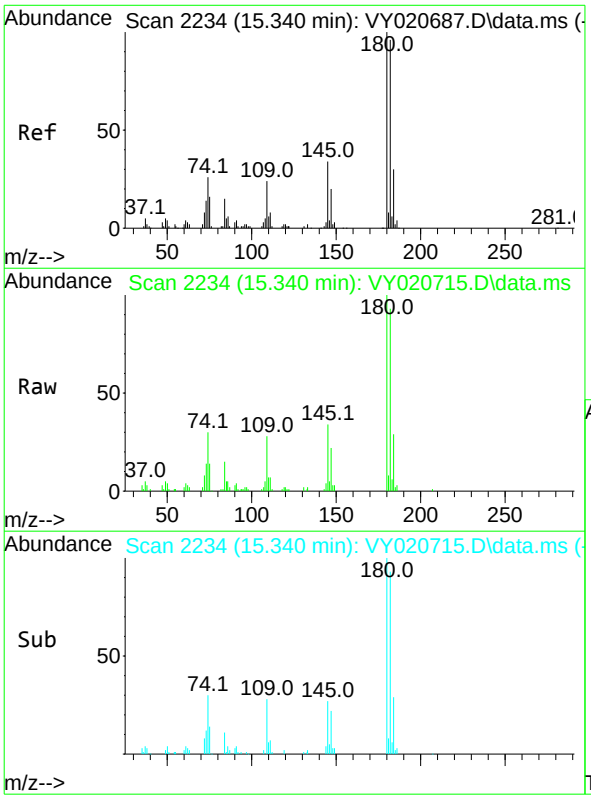
Supervised By :Semsettin Yesilyurt 12/27/2024

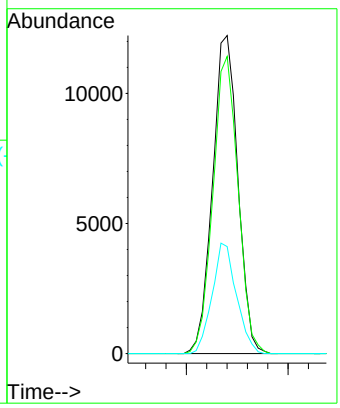




#96
1,2,3-Trichlorobenzene
Concen: 20.151 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:180 Resp: 21103

Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.4	142.2
145	33.4	16.7	50.1



Raw Data: **VY020716.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VY1226SBSD01	SDG No.:	P5316
Lab Sample ID:	VY1226SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY020716.D	1		12/26/24 14:54	VY122624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-01-4	Vinyl Chloride	18.1		0.77	2.50	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.9		0.78	2.50	5.00	ug/Kg
67-64-1	Acetone	99.3		6.20	20.0	25.0	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.6		0.67	2.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.7		3.40	8.00	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.3		0.84	2.50	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.0		0.63	2.50	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	20.0	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.0		0.87	2.50	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.7		0.61	2.50	5.00	ug/Kg
67-66-3	Chloroform	19.9		0.67	4.00	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.5		0.78	2.50	5.00	ug/Kg
71-43-2	Benzene	19.4		0.72	2.50	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.5		0.61	2.50	5.00	ug/Kg
79-01-6	Trichloroethene	19.6		0.75	2.50	5.00	ug/Kg
108-88-3	Toluene	19.7		0.67	2.50	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.4		0.89	2.50	5.00	ug/Kg
108-90-7	Chlorobenzene	20.1		0.74	2.50	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.7		0.62	2.50	5.00	ug/Kg
1330-20-7	Total Xylenes	59.5		2.10	7.50	15.0	ug/Kg
103-65-1	n-propylbenzene	19.4		0.64	2.50	5.00	ug/Kg
98-06-6	tert-Butylbenzene	19.7		0.67	2.50	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	19.7		1.40	2.50	5.00	ug/Kg
135-98-8	sec-Butylbenzene	19.5		0.67	2.50	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.8		0.74	2.50	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.4		0.80	2.50	5.00	ug/Kg
104-51-8	n-Butylbenzene	19.5		0.63	2.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.0		0.59	2.50	5.00	ug/Kg
123-91-1	1,4-Dioxane	460		42.5	80.0	100	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.3		71 - 136		115%	SPK: 50

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VY1226SBSD01	SDG No.:	P5316
Lab Sample ID:	VY1226SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY020716.D	1		12/26/24 14:54	VY122624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1868-53-7	Dibromofluoromethane	53.2		78 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	52.1		85 - 116		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		79 - 119		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	116000	7.713				
540-36-3	1,4-Difluorobenzene	164000	8.622				
3114-55-4	Chlorobenzene-d5	141000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	73700	13.353				

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

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

Sample Results: **VY020716.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020716.D
Acq On : 26 Dec 2024 14:54
Operator : SY/MD
Sample : VY1226SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 26 16:20:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	115773	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.622	114	164224	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	140702	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	73666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	54334	57.297	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.600%			
35) Dibromofluoromethane	7.640	113	48081	53.153	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.300%			
50) Toluene-d8	10.109	98	187843	52.144	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.280%			
62) 4-Bromofluorobenzene	12.408	95	63630	52.931	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 105.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	17441	19.139	ug/l	98
3) Chloromethane	2.074	50	6322	18.602	ug/l	98
4) Vinyl Chloride	2.208	62	7607	18.066	ug/l	99
5) Bromomethane	2.598	94	6224	19.577	ug/l	99
6) Chloroethane	2.739	64	4905	19.418	ug/l #	79
7) Trichlorofluoromethane	3.068	101	30303	18.714	ug/l	98
8) Diethyl Ether	3.464	74	7587	19.690	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.818	101	17468	19.650	ug/l	98
10) Methyl Iodide	4.013	142	17994	18.511	ug/l	99
11) Tert butyl alcohol	4.878	59	7675	118.687	ug/l #	86
12) 1,1-Dichloroethene	3.799	96	14934	18.874	ug/l	95
13) Acrolein	3.659	56	2748	138.625	ug/l	94
14) Allyl chloride	4.397	41	17724	19.142	ug/l	97
15) Acrylonitrile	5.061	53	15350	103.122	ug/l	97
16) Acetone	3.879	43	11944	99.286	ug/l	90
17) Carbon Disulfide	4.116	76	34956	18.010	ug/l #	95
18) Methyl Acetate	4.397	43	6556	20.136	ug/l	97
19) Methyl tert-butyl Ether	5.128	73	45438	20.603	ug/l	98
20) Methylene Chloride	4.622	84	15375	19.651	ug/l	91
21) trans-1,2-Dichloroethene	5.128	96	16474	19.321	ug/l	95
22) Diisopropyl ether	6.031	45	38970	20.704	ug/l	95
23) Vinyl Acetate	5.970	43	116491	103.614	ug/l	100
24) 1,1-Dichloroethane	5.921	63	28192	19.977	ug/l	99
25) 2-Butanone	6.902	43	17284	106.360	ug/l	96
26) 2,2-Dichloropropane	6.896	77	33722	19.523	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	20089	19.674	ug/l	99
28) Bromochloromethane	7.256	49	6573	17.613	ug/l	94
29) Tetrahydrofuran	7.268	42	10662	106.889	ug/l	96
30) Chloroform	7.433	83	36048	19.857	ug/l	95
31) Cyclohexane	7.713	56	23333	19.155	ug/l #	94
32) 1,1,1-Trichloroethane	7.628	97	37936	19.495	ug/l	98
36) 1,1-Dichloropropene	7.847	75	22746	19.036	ug/l	98
37) Ethyl Acetate	7.000	43	8095	20.559	ug/l #	96
38) Carbon Tetrachloride	7.829	117	37355	18.985	ug/l	96
39) Methylcyclohexane	9.115	83	29413	19.205	ug/l	95
40) Benzene	8.085	78	67196	19.404	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020716.D
Acq On : 26 Dec 2024 14:54
Operator : SY/MD
Sample : VY1226SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 26 16:20:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.232	41	3914	19.679 ug/l #	90
42) 1,2-Dichloroethane	8.164	62	21623	19.473 ug/l	98
43) Isopropyl Acetate	8.201	43	17100	20.432 ug/l #	88
44) Trichloroethene	8.872	130	20239	19.567 ug/l	96
45) 1,2-Dichloropropane	9.146	63	13502	19.262 ug/l	97
46) Dibromomethane	9.237	93	9888	20.387 ug/l	98
47) Bromodichloromethane	9.426	83	26772	19.469 ug/l	96
48) Methyl methacrylate	9.225	41	7800	19.957 ug/l	99
49) 1,4-Dioxane	9.231	88	2134	461.904 ug/l #	87
51) 4-Methyl-2-Pentanone	9.999	43	42327	104.782 ug/l	99
52) Toluene	10.176	92	46778	19.709 ug/l	99
53) t-1,3-Dichloropropene	10.396	75	24006	19.877 ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	26559	20.063 ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	12818	20.704 ug/l	95
56) Ethyl methacrylate	10.445	69	16409	20.175 ug/l	99
57) 1,3-Dichloropropane	10.719	76	20462	20.363 ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	29367	103.542 ug/l	99
59) 2-Hexanone	10.762	43	28166	105.605 ug/l	100
60) Dibromochloromethane	10.914	129	20157	20.149 ug/l	100
61) 1,2-Dibromoethane	11.018	107	11828	20.304 ug/l	98
64) Tetrachloroethene	10.652	164	18659	19.410 ug/l	99
65) Chlorobenzene	11.444	112	55362	20.095 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	21331	19.985 ug/l	98
67) Ethyl Benzene	11.524	91	94825	19.693 ug/l	97
68) m/p-Xylenes	11.633	106	73507	40.019 ug/l	99
69) o-Xylene	11.956	106	34142	19.455 ug/l	96
70) Styrene	11.975	104	58678	19.918 ug/l	99
71) Bromoform	12.139	173	12816	20.885 ug/l #	94
73) Isopropylbenzene	12.255	105	97450	19.094 ug/l	99
74) N-amyl acetate	12.072	43	14818	20.431 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	13020	19.900 ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	9507m	20.291 ug/l	
77) Bromobenzene	12.536	156	22787	19.396 ug/l	99
78) n-propylbenzene	12.597	91	110719	19.355 ug/l	99
79) 2-Chlorotoluene	12.682	91	63619	19.509 ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	82956	19.509 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	4691	19.790 ug/l	96
82) 4-Chlorotoluene	12.779	91	64772	19.219 ug/l	99
83) tert-Butylbenzene	12.999	119	78168	19.685 ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	81496	19.695 ug/l	98
85) sec-Butylbenzene	13.182	105	104334	19.495 ug/l	99
86) p-Isopropyltoluene	13.298	119	91757	19.238 ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	45422	19.781 ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	44221	19.360 ug/l	98
89) n-Butylbenzene	13.621	91	77813	19.544 ug/l	100
90) Hexachloroethane	13.883	117	16909	18.644 ug/l	96
91) 1,2-Dichlorobenzene	13.663	146	39466	20.046 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	2690	21.198 ug/l	97
93) 1,2,4-Trichlorobenzene	14.925	180	24888	19.888 ug/l	98
94) Hexachlorobutadiene	15.029	225	17981	19.715 ug/l	98
95) Naphthalene	15.151	128	39363	19.639 ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	20507	19.681 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020716.D
Acq On : 26 Dec 2024 14:54
Operator : SY/MD
Sample : VY1226SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 26 16:20:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020716.D
Acq On : 26 Dec 2024 14:54
Operator : SY/MD
Sample : VY1226SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 26 16:20:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

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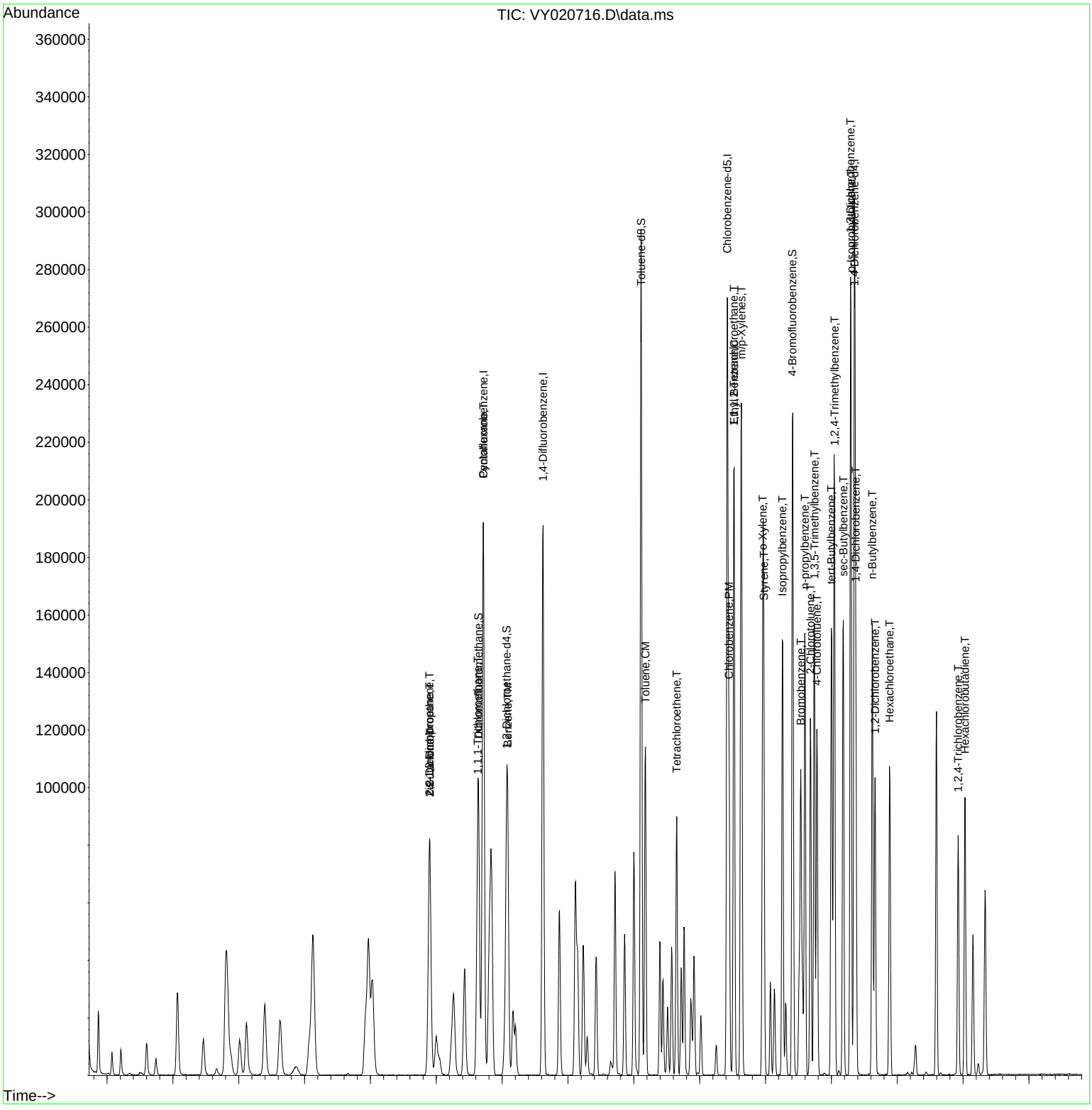
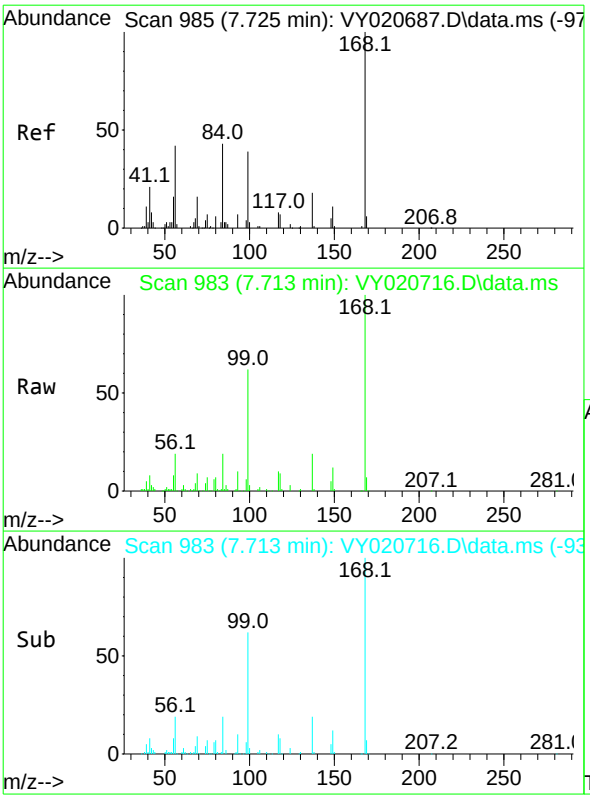
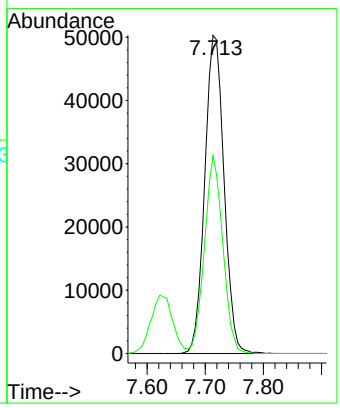




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.012 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:168 Resp: 115773

Ion	Ratio	Lower	Upper
168	100		
99	62.1	43.8	65.6



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Manual Integrations
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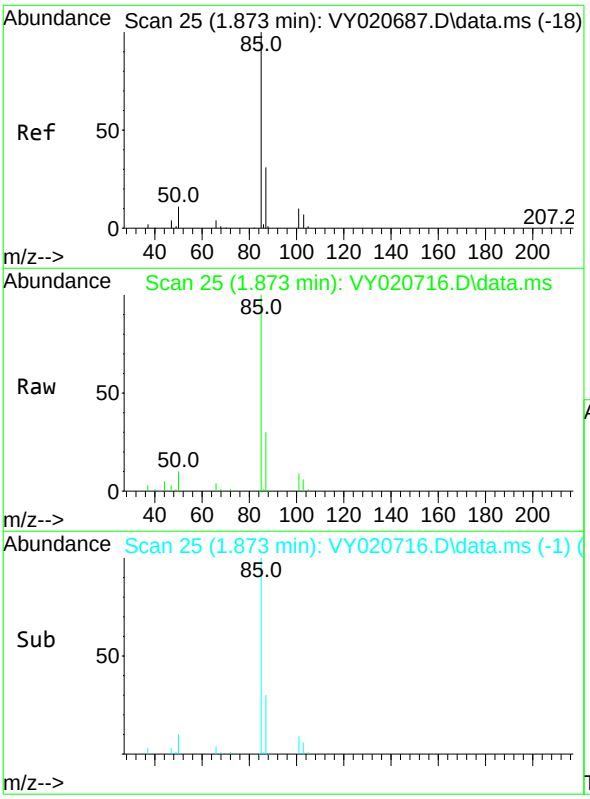
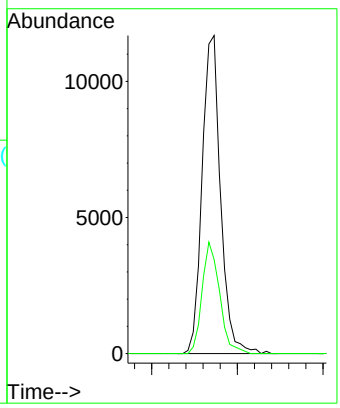
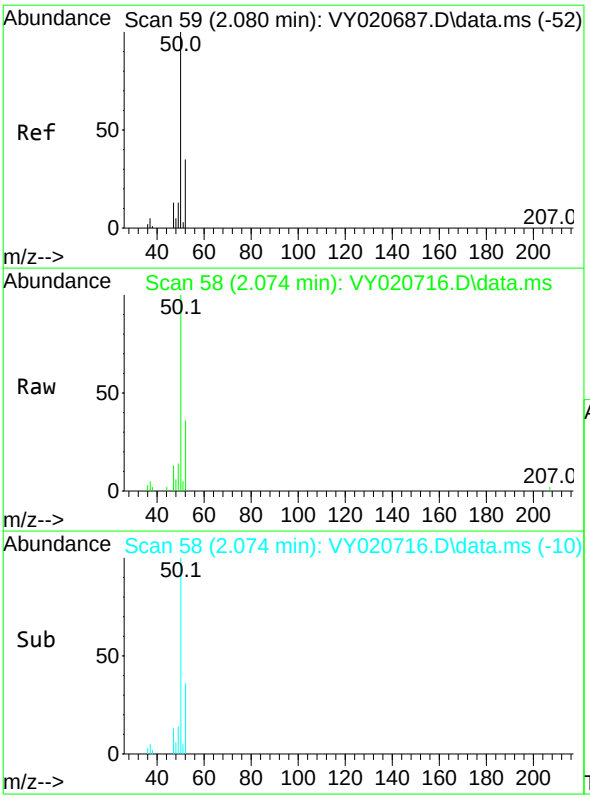


#2
Dichlorodifluoromethane
Concen: 19.139 ug/l
RT: 1.873 min Scan# 25
Delta R.T. -0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 85 Resp: 17441

Ion	Ratio	Lower	Upper
85	100		
87	29.6	15.4	46.4

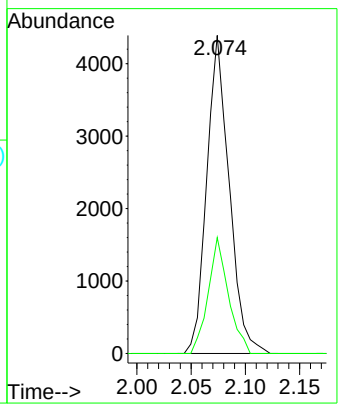




#3
Chloromethane
Concen: 18.602 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 50 Resp: 6322

Ion	Ratio	Lower	Upper
50	100		
52	36.4	28.2	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
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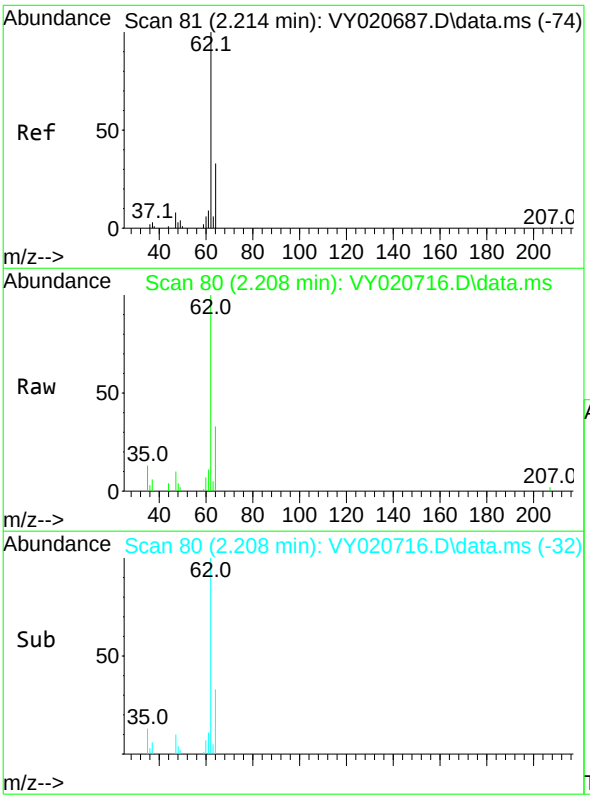
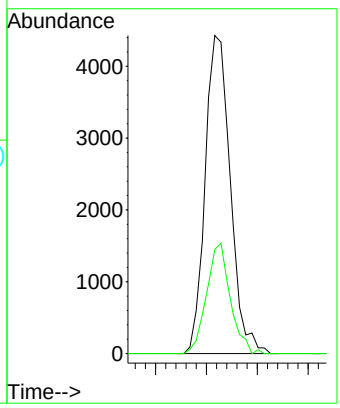
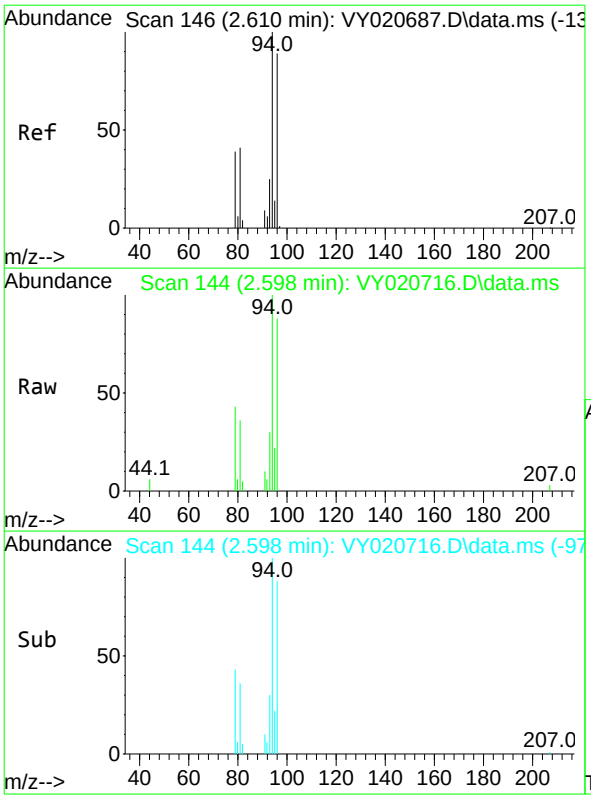


#4
Vinyl Chloride
Concen: 18.066 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 62 Resp: 7607

Ion	Ratio	Lower	Upper
62	100		
64	32.7	26.6	40.0

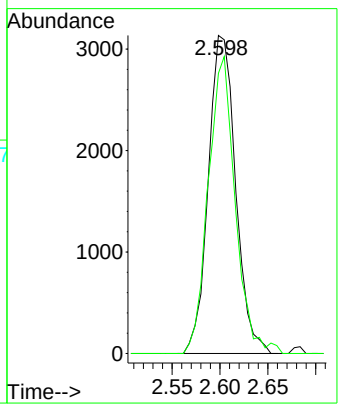




#5
Bromomethane
Concen: 19.577 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 94 Resp: 6224

Ion	Ratio	Lower	Upper
94	100		
96	88.1	71.0	106.6



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Manual Integrations
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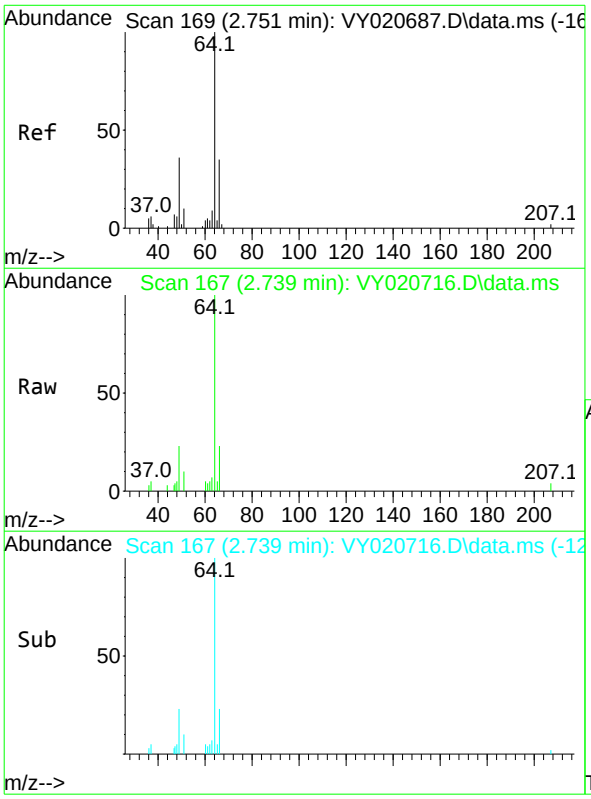
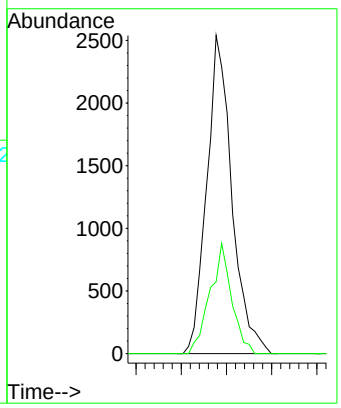
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

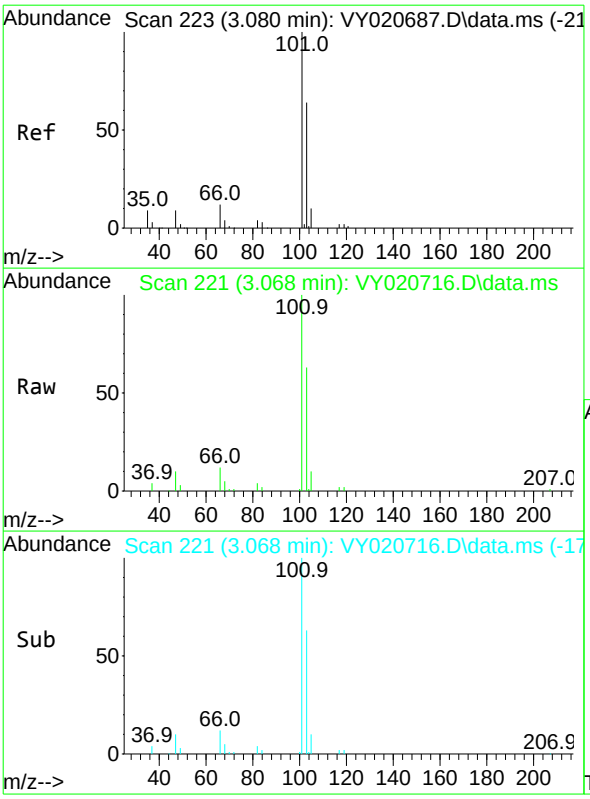


#6
Chloroethane
Concen: 19.418 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.012 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 64 Resp: 4905

Ion	Ratio	Lower	Upper
64	100		
66	22.6	27.8	41.8#

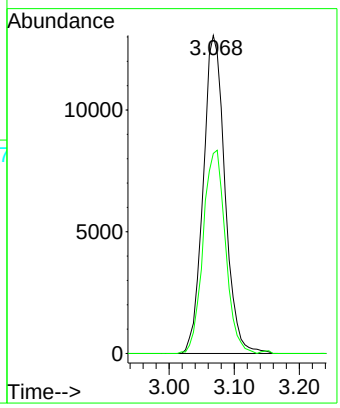




#7
Trichlorofluoromethane
Concen: 18.714 ug/l
RT: 3.068 min Scan# 22
Delta R.T. -0.012 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:101 Resp: 30303

Ion	Ratio	Lower	Upper
101	100		
103	62.9	51.4	77.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Manual Integrations
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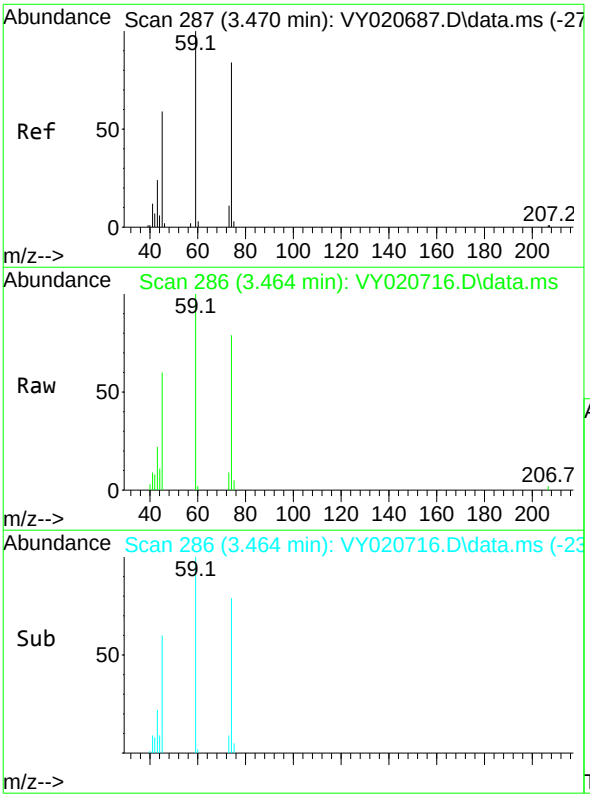
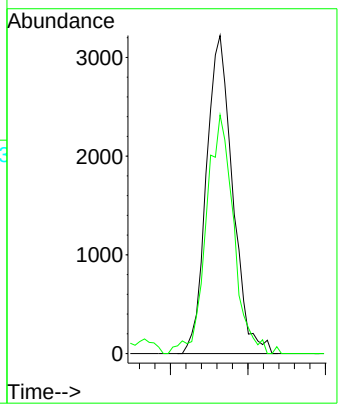
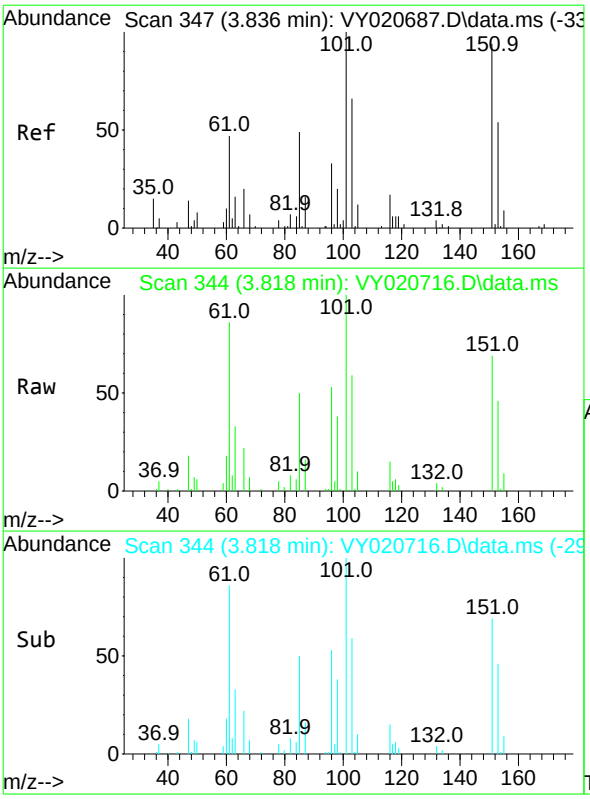


#8
Diethyl Ether
Concen: 19.690 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 74 Resp: 7587

Ion	Ratio	Lower	Upper
74	100		
45	77.9	35.8	107.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.650 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.018 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion:101 Resp: 17468

Ion	Ratio	Lower	Upper
101	100		
85	49.6	38.2	57.2
151	84.6	68.4	102.6

Manual Integrations
APPROVED

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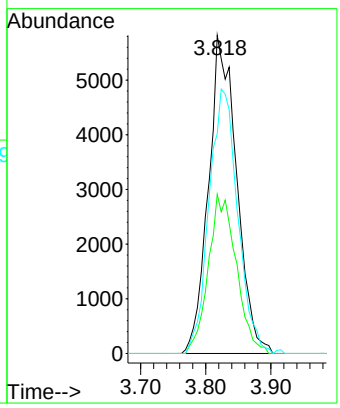
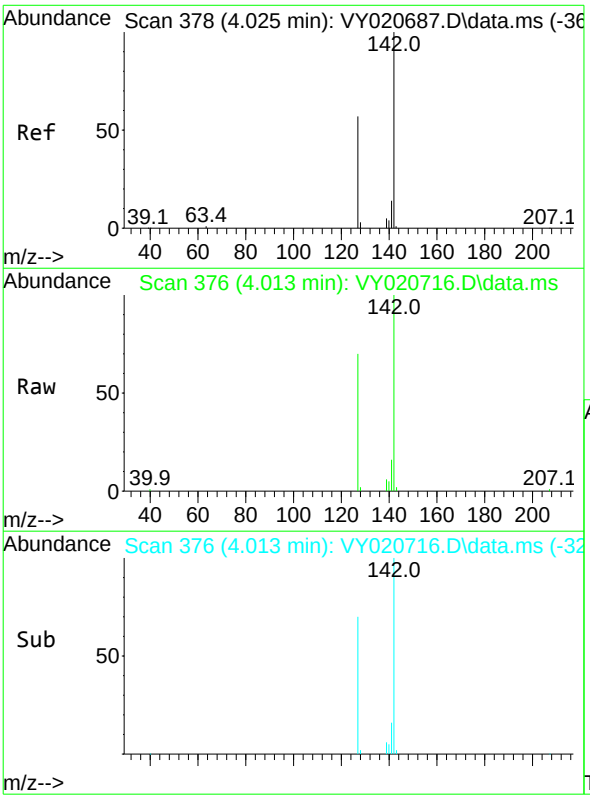
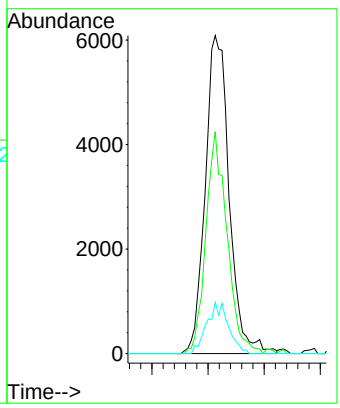


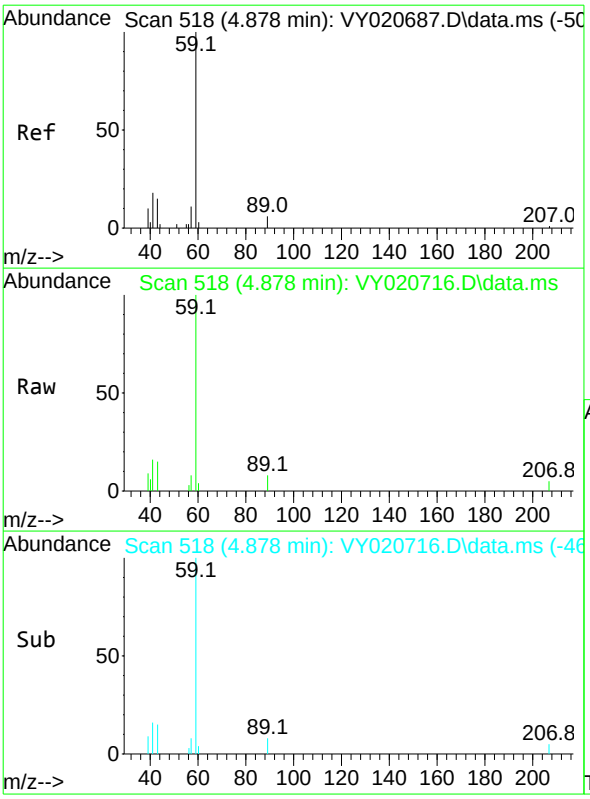


#10
Methyl Iodide
Concen: 18.511 ug/l
RT: 4.013 min Scan# 376
Delta R.T. -0.012 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:142 Resp: 17994

Ion	Ratio	Lower	Upper
142	100		
127	61.7	48.8	73.2
141	14.6	11.9	17.9

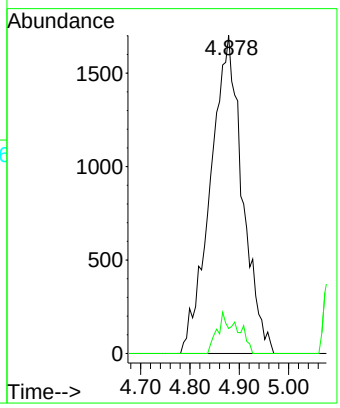




#11
Tert butyl alcohol
Concen: 118.687 ug/l
RT: 4.878 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 59 Resp: 7675

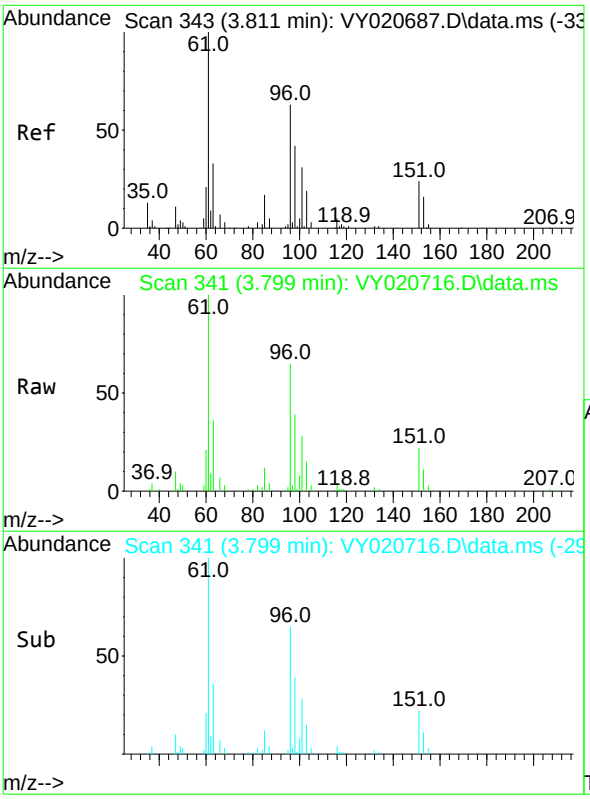
Ion	Ratio	Lower	Upper
59	100		
57	8.1	2.8	4.2#



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Manual Integrations
APPROVED

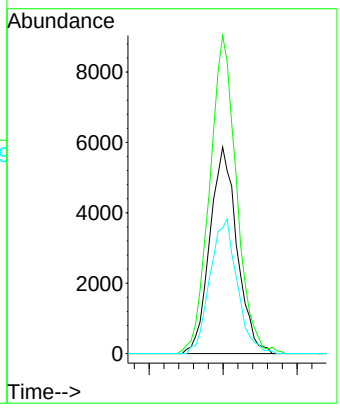
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

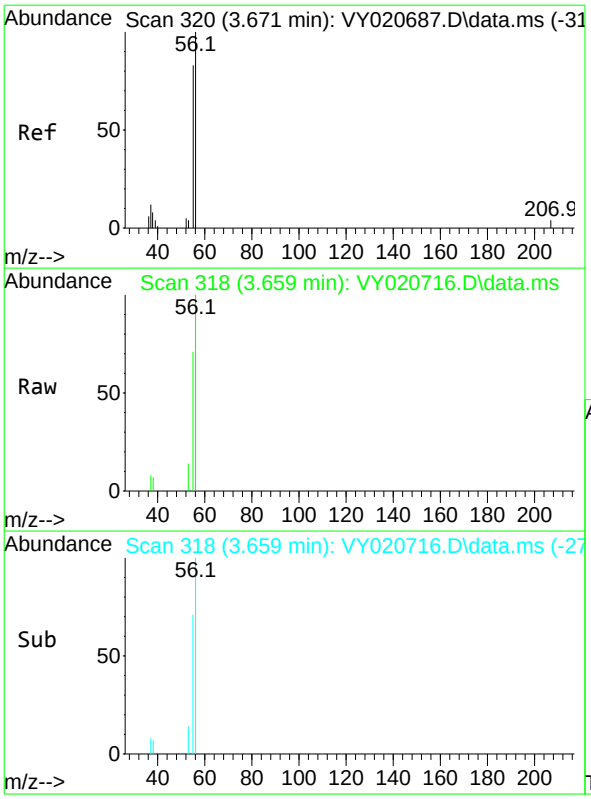


#12
1,1-Dichloroethene
Concen: 18.874 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.012 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 96 Resp: 14934

Ion	Ratio	Lower	Upper
96	100		
61	154.0	127.1	190.7
98	60.8	53.4	80.0

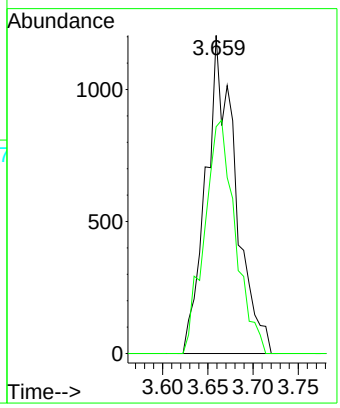




#13
Acrolein
Concen: 138.625 ug/l
RT: 3.659 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 56 Resp: 2748

Ion	Ratio	Lower	Upper
56	100		
55	76.1	57.0	85.4



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

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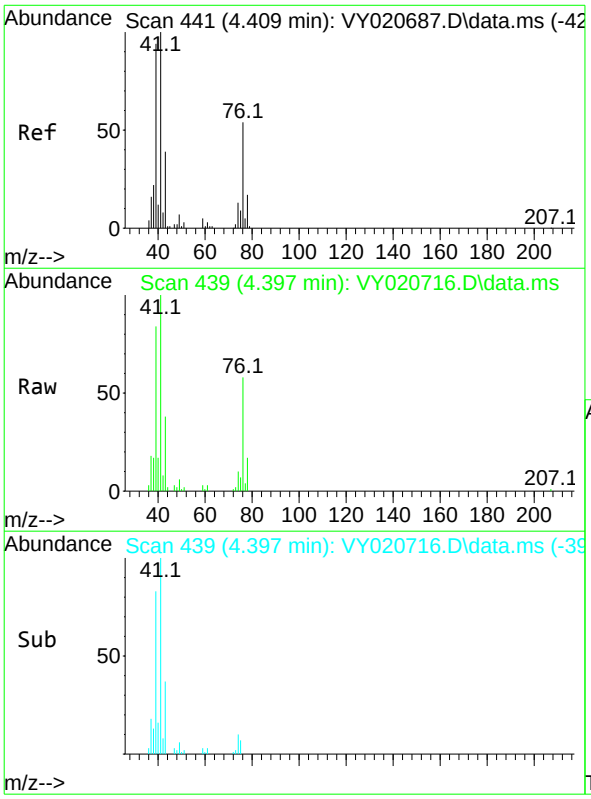
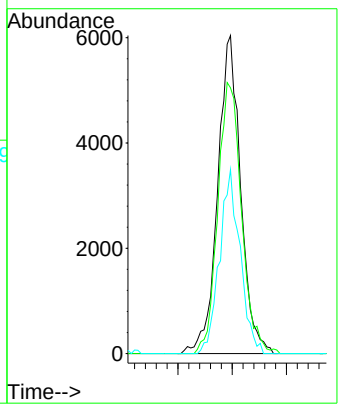
Supervised By :Semsettin Yesilyurt 12/27/2024

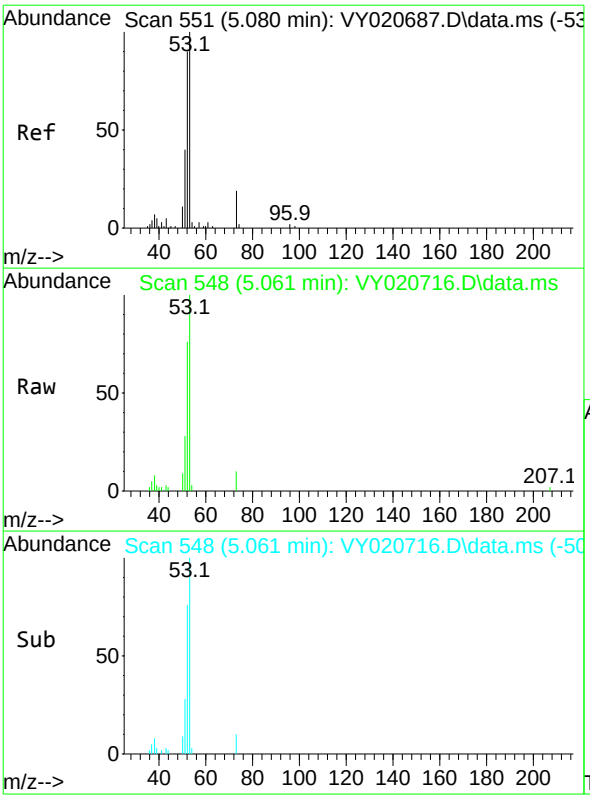


#14
Allyl chloride
Concen: 19.142 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.012 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 41 Resp: 17724

Ion	Ratio	Lower	Upper
41	100		
39	88.0	73.5	110.3
76	51.8	41.8	62.8





#15
Acrylonitrile
Concen: 103.122 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.019 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 53 Resp: 15350

Ion	Ratio	Lower	Upper
53	100		
52	80.7	67.1	100.7
51	38.8	31.4	47.0

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

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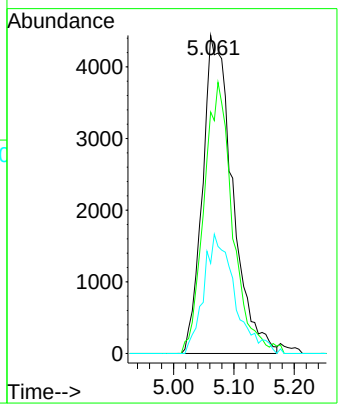
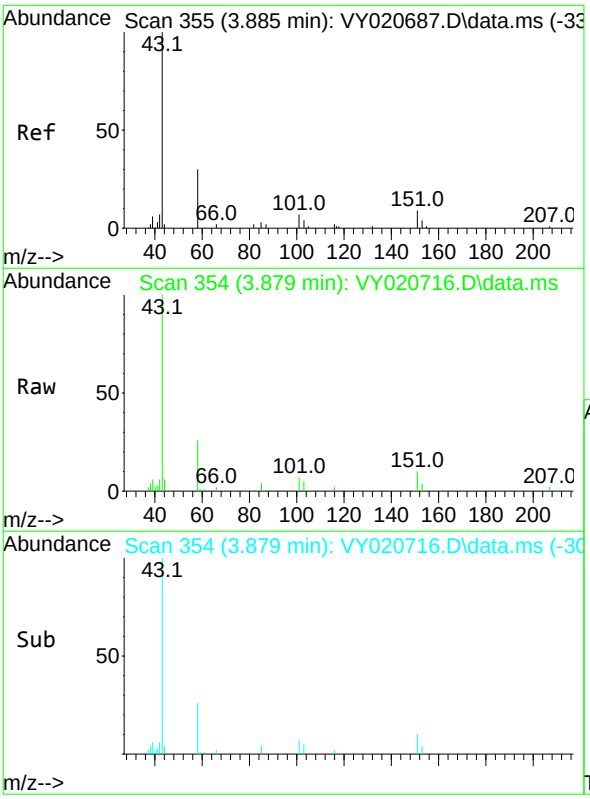
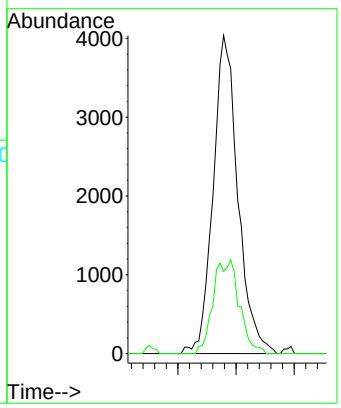


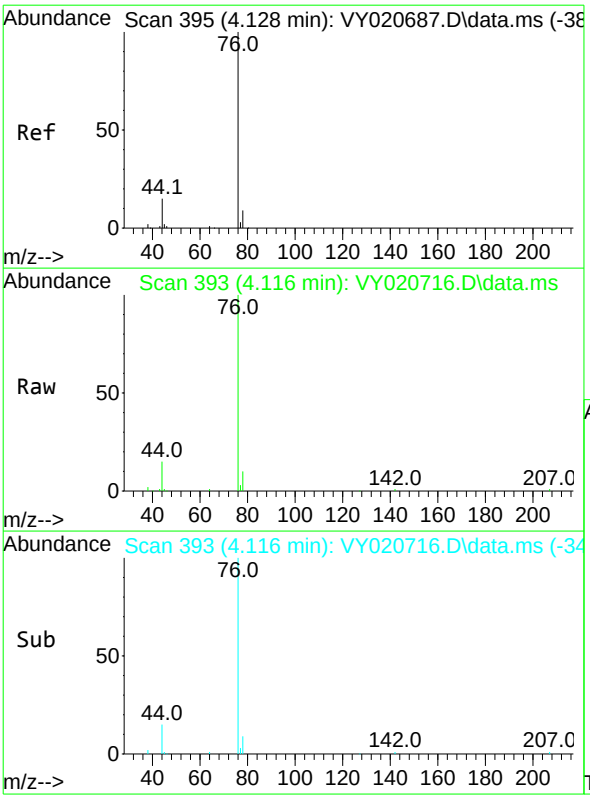


#16
Acetone
Concen: 99.286 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 43 Resp: 11944

Ion	Ratio	Lower	Upper
43	100		
58	25.8	25.0	37.6

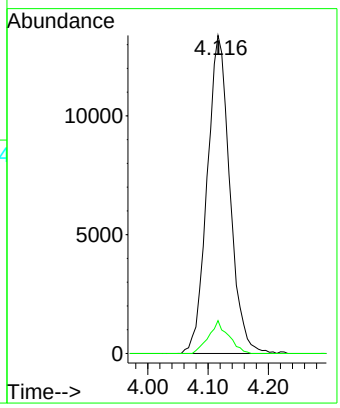




#17
Carbon Disulfide
Concen: 18.010 ug/l
RT: 4.116 min Scan# 39
Delta R.T. -0.012 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 76 Resp: 34956

Ion	Ratio	Lower	Upper
76	100		
78	10.3	6.9	10.3#



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

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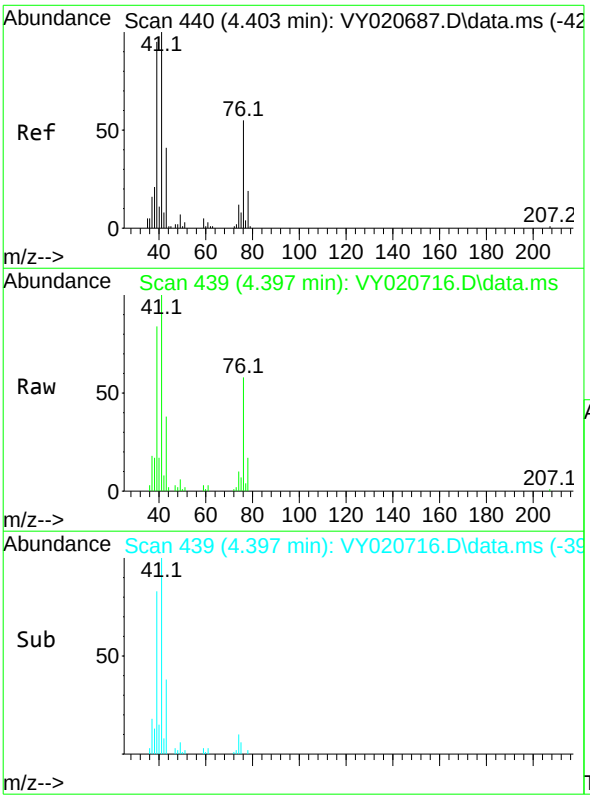
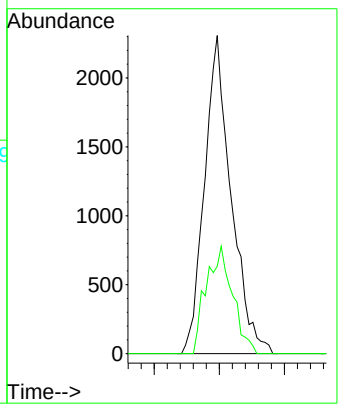
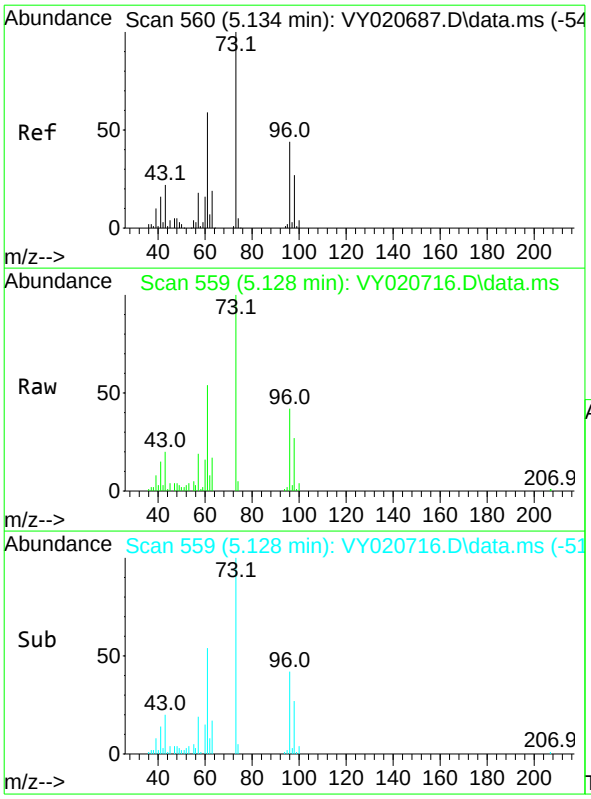


#18
Methyl Acetate
Concen: 20.136 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 43 Resp: 6556

Ion	Ratio	Lower	Upper
43	100		
74	33.3	25.3	37.9

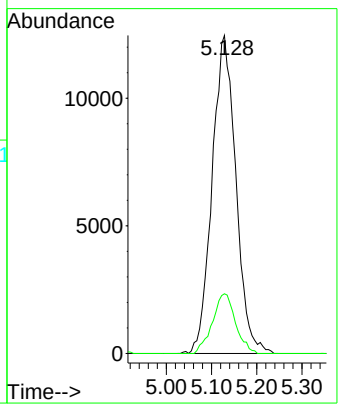




#19
Methyl tert-butyl Ether
Concen: 20.603 ug/l
RT: 5.128 min Scan# 55
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 73 Resp: 45438

Ion	Ratio	Lower	Upper
73	100		
57	18.8	14.4	21.6



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

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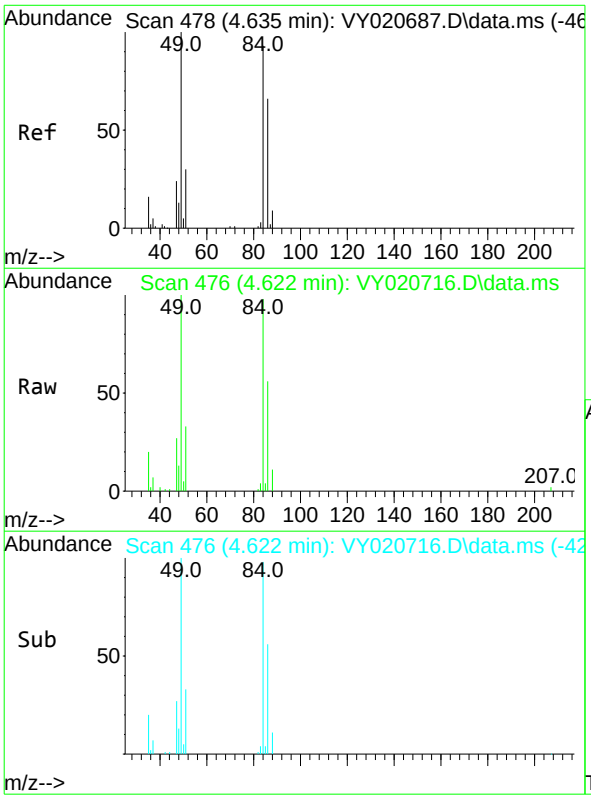
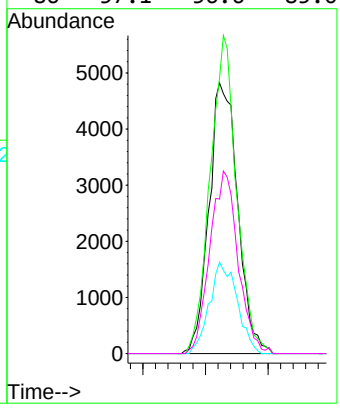
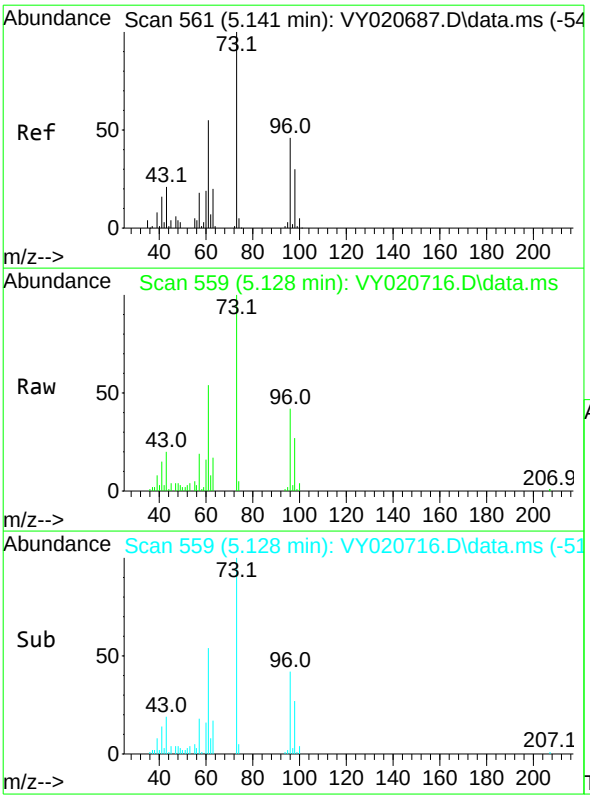


#20
Methylene Chloride
Concen: 19.651 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.013 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 84 Resp: 15375

Ion	Ratio	Lower	Upper
84	100		
49	101.8	86.4	129.6
51	33.8	25.5	38.3
86	57.1	56.6	85.0

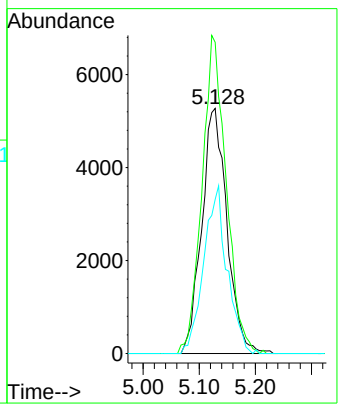




#21
trans-1,2-Dichloroethene
Concen: 19.321 ug/l
RT: 5.128 min Scan# 55
Delta R.T. -0.013 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 96 Resp: 16474

Ion	Ratio	Lower	Upper
96	100		
61	127.0	96.1	144.1
98	62.8	52.7	79.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

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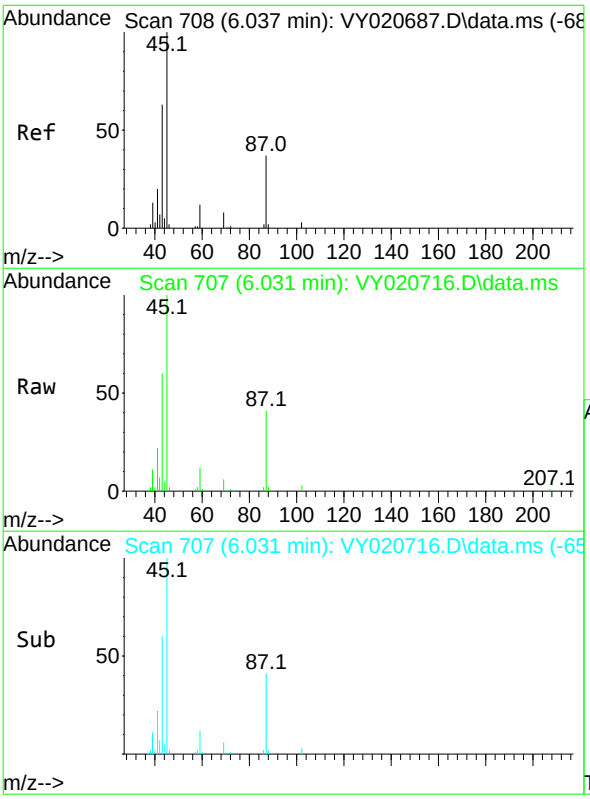
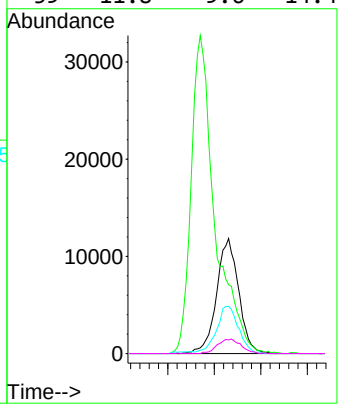
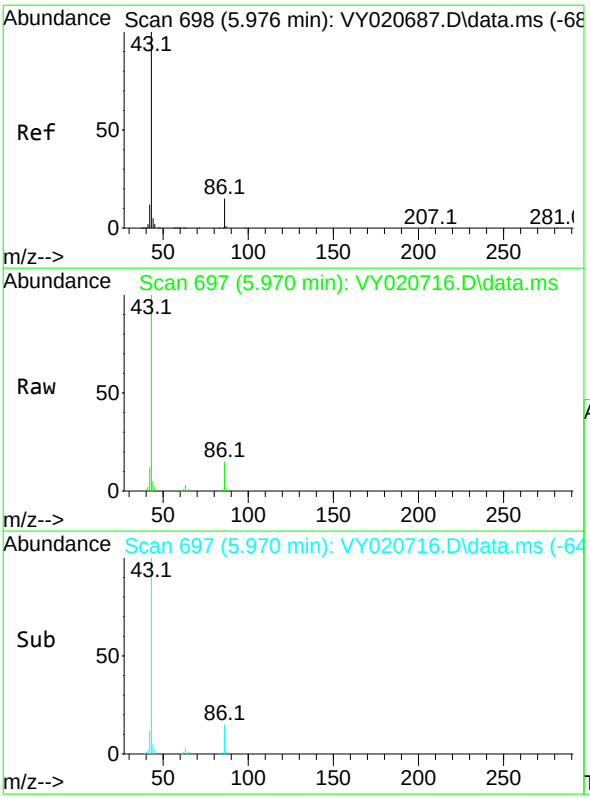


#22
Diisopropyl ether
Concen: 20.704 ug/l
RT: 6.031 min Scan# 707
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 45 Resp: 38970

Ion	Ratio	Lower	Upper
45	100		
43	58.9	51.3	76.9
87	41.1	30.6	46.0
59	11.8	9.6	14.4

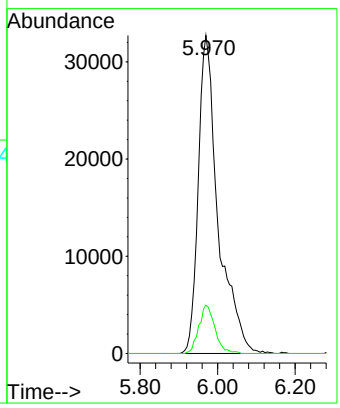




#23
Vinyl Acetate
Concen: 103.614 ug/l
RT: 5.970 min Scan# 69
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 43 Resp: 116491

Ion	Ratio	Lower	Upper
43	100		
86	15.2	12.0	18.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

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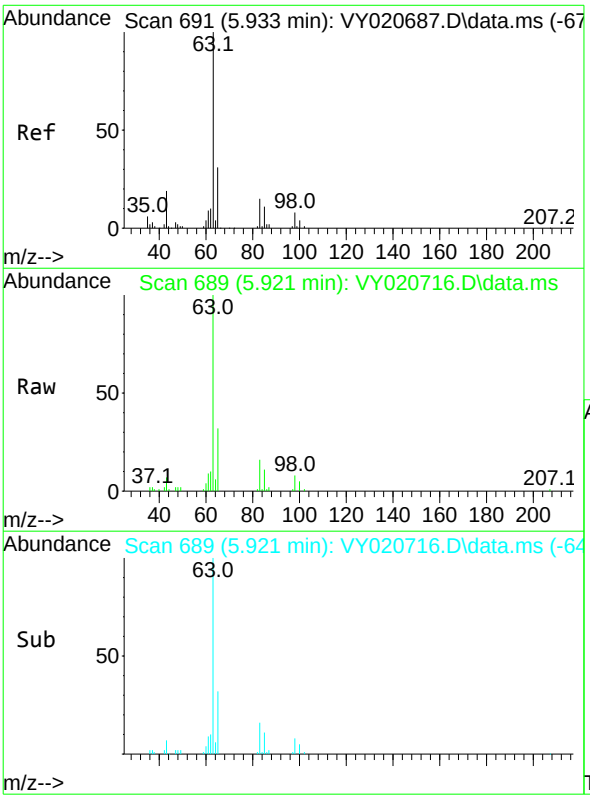
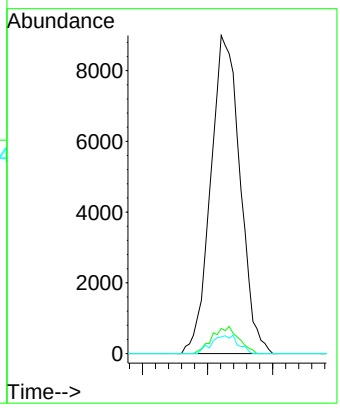
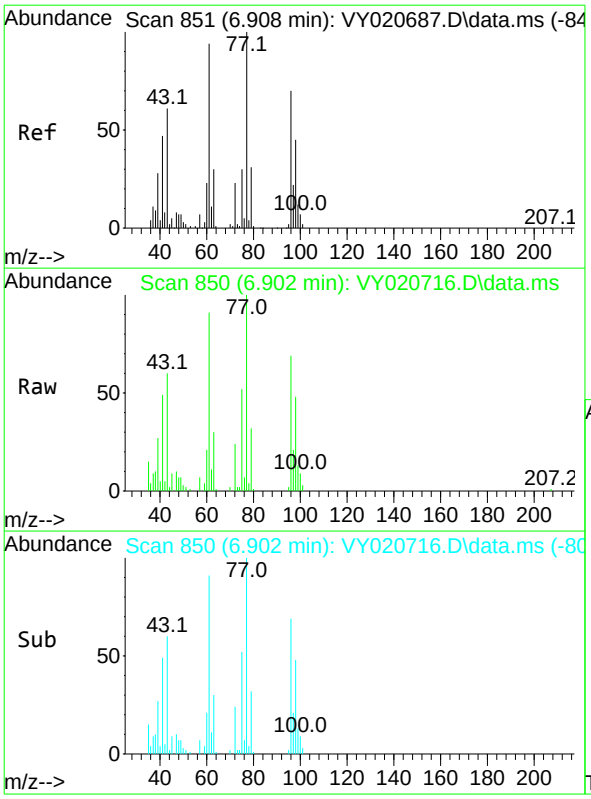


#24
1,1-Dichloroethane
Concen: 19.977 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.012 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 63 Resp: 28192

Ion	Ratio	Lower	Upper
63	100		
98	7.9	4.0	12.0
100	5.2	2.1	6.2

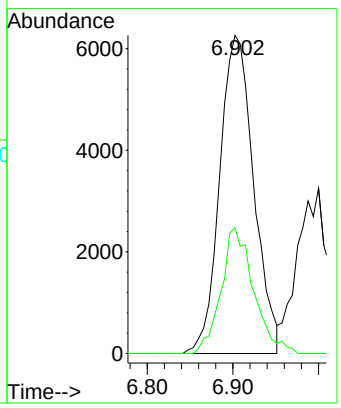




#25
2-Butanone
Concen: 106.360 ug/l
RT: 6.902 min Scan# 85
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 43 Resp: 17284

Ion	Ratio	Lower	Upper
43	100		
72	39.5	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

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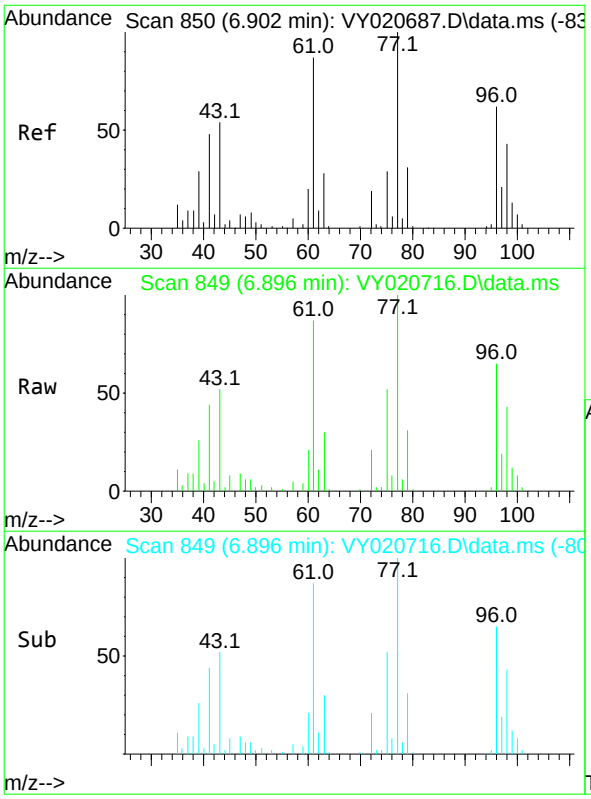
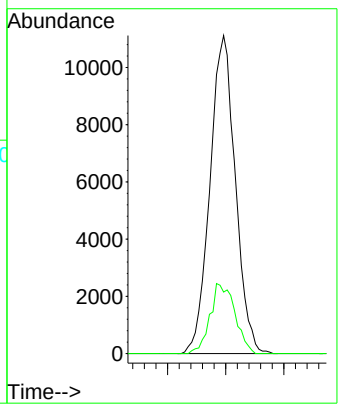
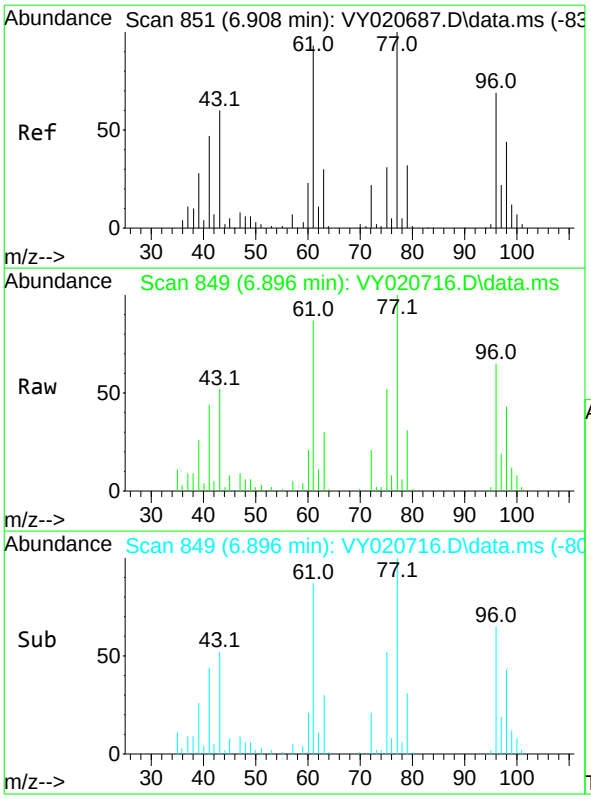


#26
2,2-Dichloropropane
Concen: 19.523 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 77 Resp: 33722

Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.8	32.4

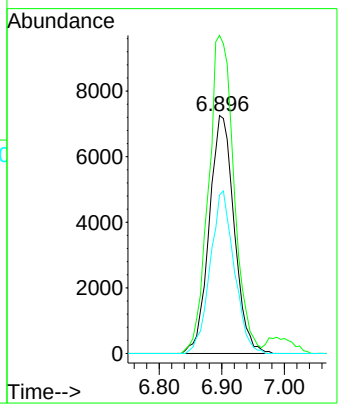




#27
cis-1,2-Dichloroethene
Concen: 19.674 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 96 Resp: 20089

Ion	Ratio	Lower	Upper
96	100		
61	137.2	0.0	277.2
98	65.6	0.0	131.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

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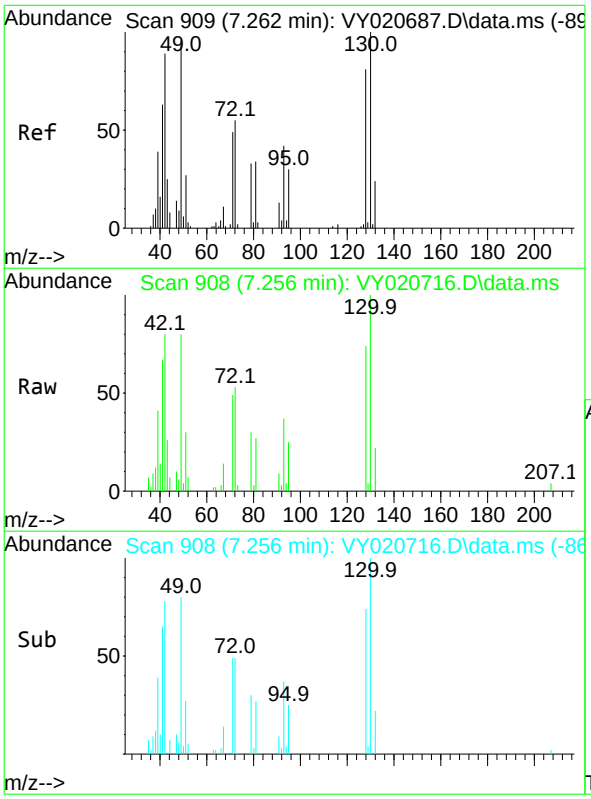
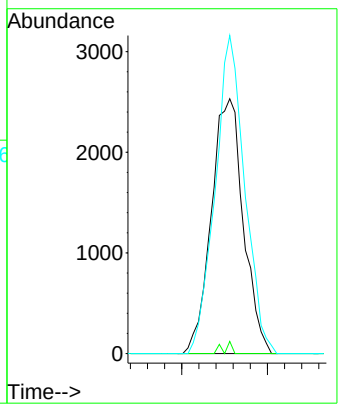
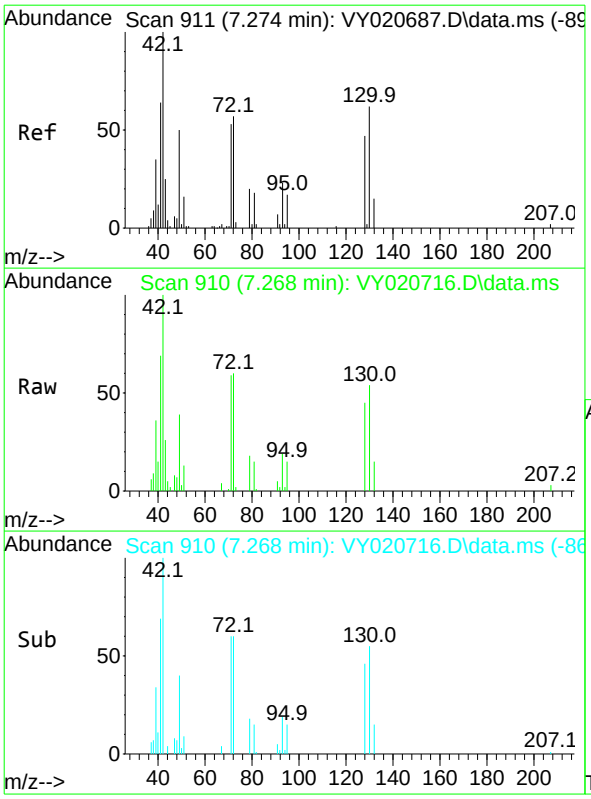


#28
Bromochloromethane
Concen: 17.613 ug/l
RT: 7.256 min Scan# 908
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 49 Resp: 6573

Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	5.4
130	115.5	87.2	130.8





#29
Tetrahydrofuran
Concen: 106.889 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 42 Resp: 10662

Ion	Ratio	Lower	Upper
42	100		
72	60.8	47.4	71.0
71	58.6	42.8	64.2

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

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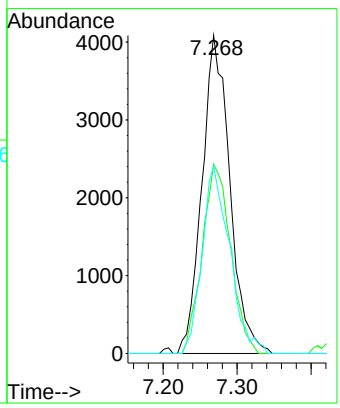
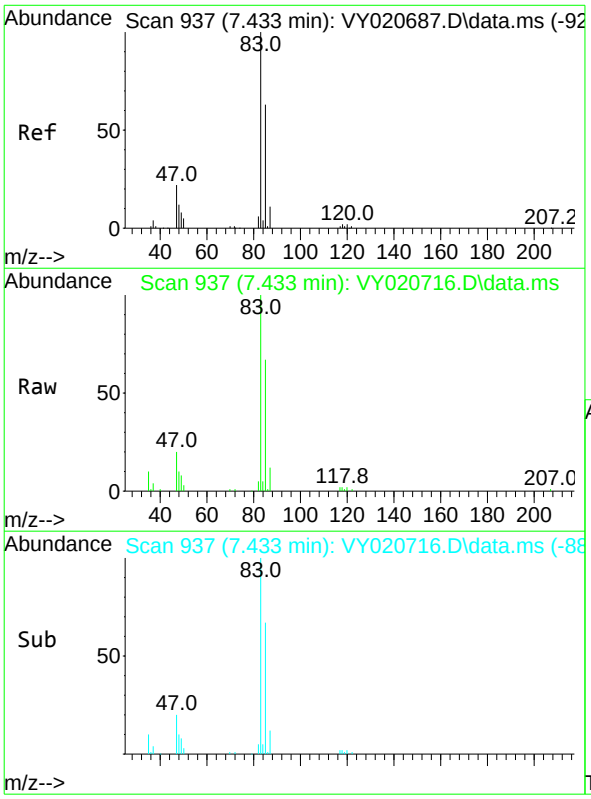
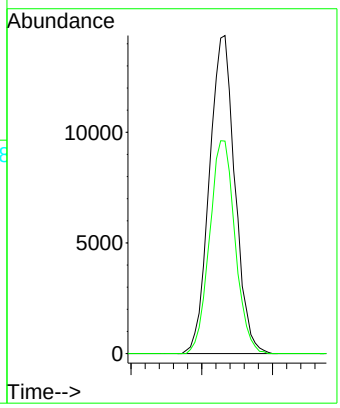


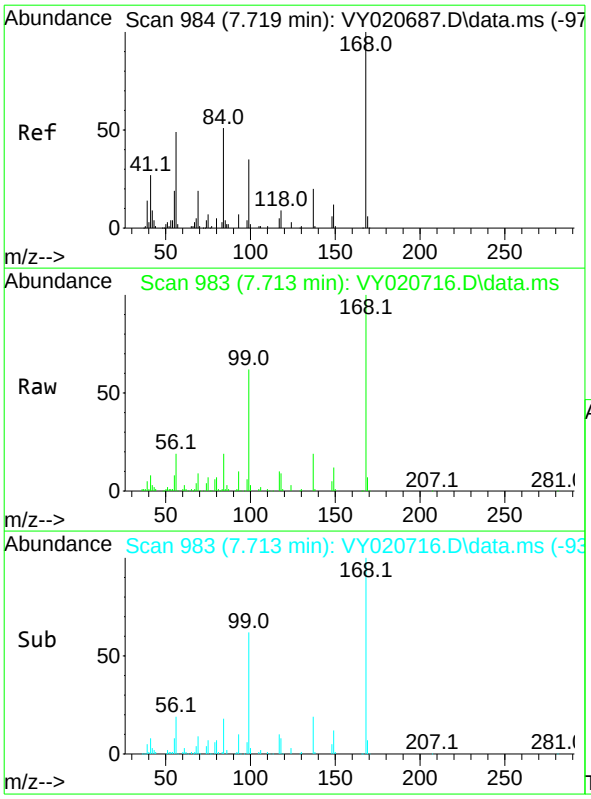


#30
Chloroform
Concen: 19.857 ug/l
RT: 7.433 min Scan# 937
Delta R.T. -0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 83 Resp: 36048

Ion	Ratio	Lower	Upper
83	100		
85	66.8	50.2	75.2





#31
Cyclohexane
Concen: 19.155 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 56 Resp: 23333

Ion	Ratio	Lower	Upper
56	100		
69	47.7	31.3	46.9#
84	101.7	83.9	125.9

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Manual Integrations
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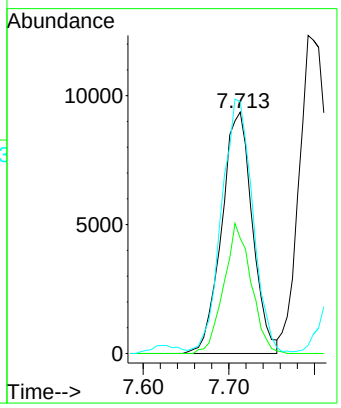
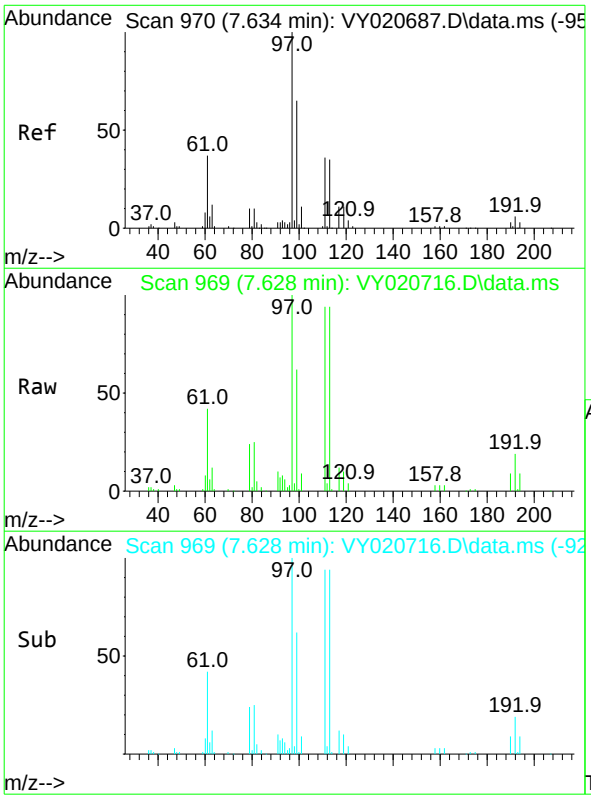
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

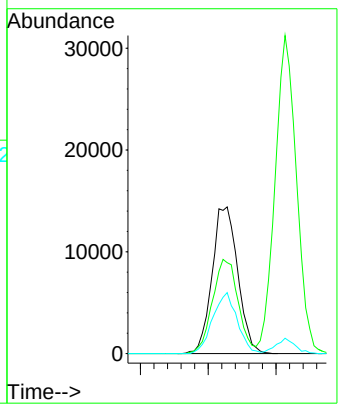


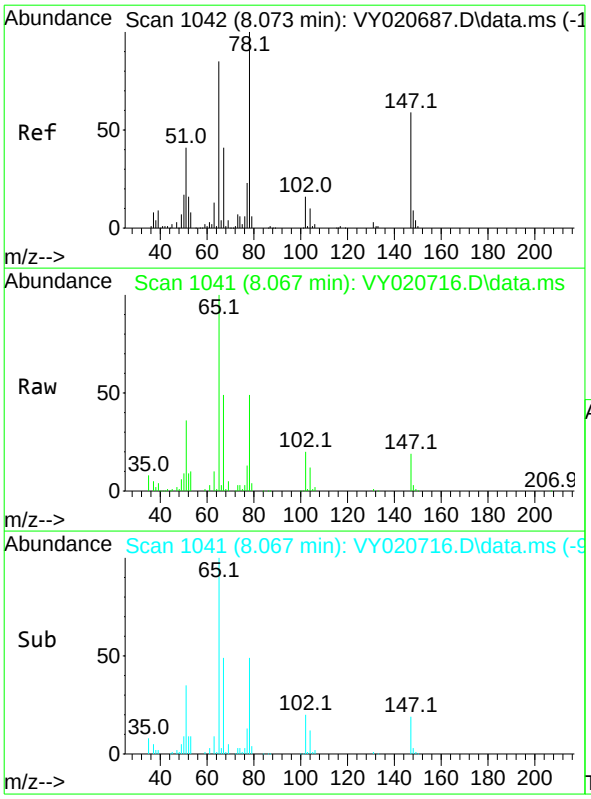


#32
1,1,1-Trichloroethane
Concen: 19.495 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 97 Resp: 37936

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.6
61	39.5	30.0	45.0





#33
1,2-Dichloroethane-d4
Concen: 57.297 ug/l
RT: 8.067 min Scan# 10
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 65 Resp: 54334

Ion	Ratio	Lower	Upper
65	100		
67	47.5	0.0	98.0

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

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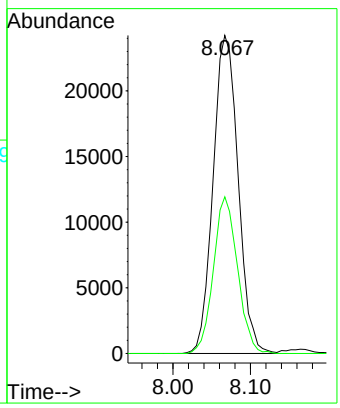
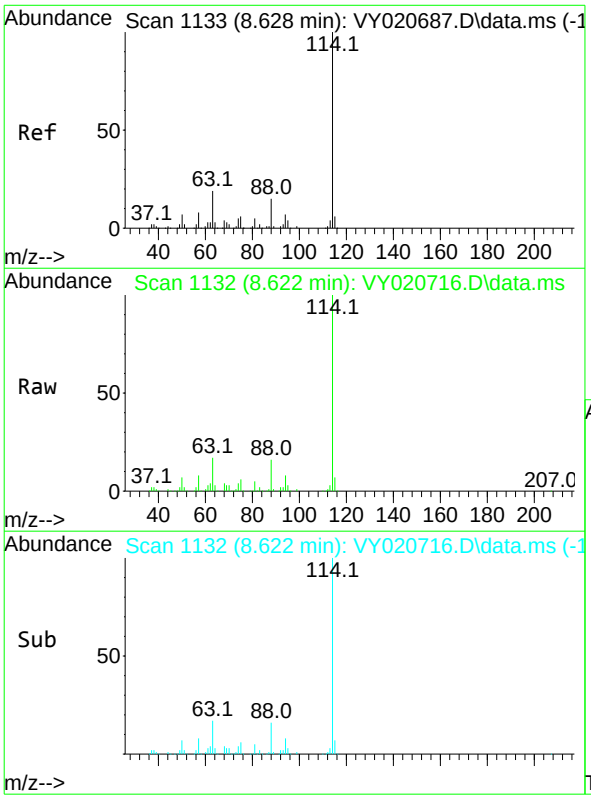
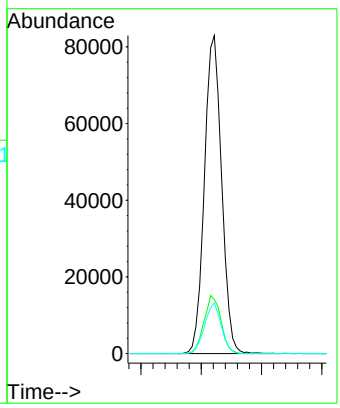


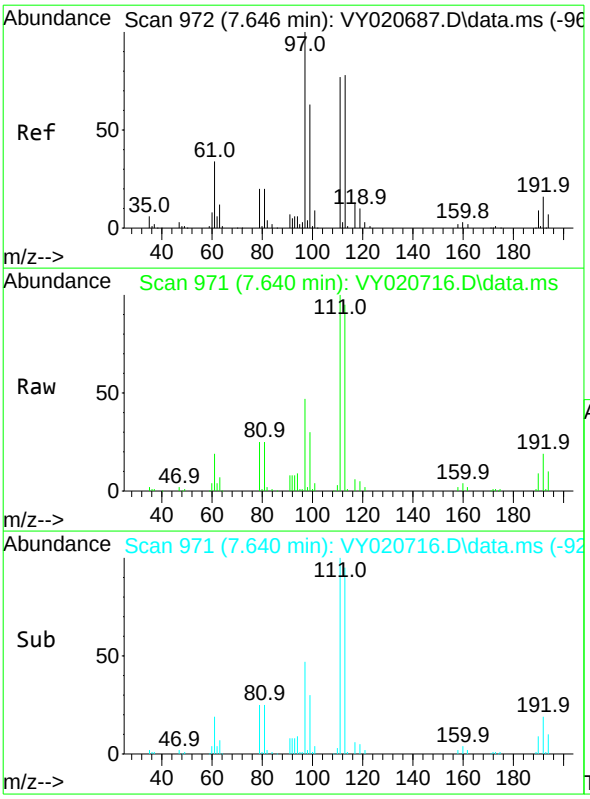


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:114 Resp: 164224

Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	38.4
88	16.0	0.0	30.4

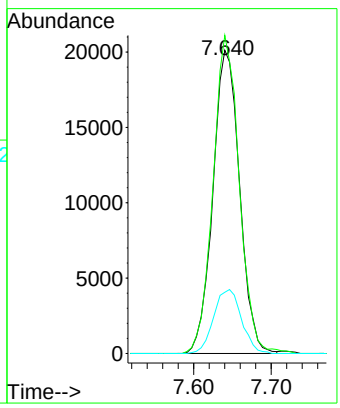




#35
Dibromofluoromethane
Concen: 53.153 ug/l
RT: 7.640 min Scan# 97
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:113 Resp: 48081

Ion	Ratio	Lower	Upper
113	100		
111	103.1	79.8	119.8
192	22.0	17.0	25.6



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

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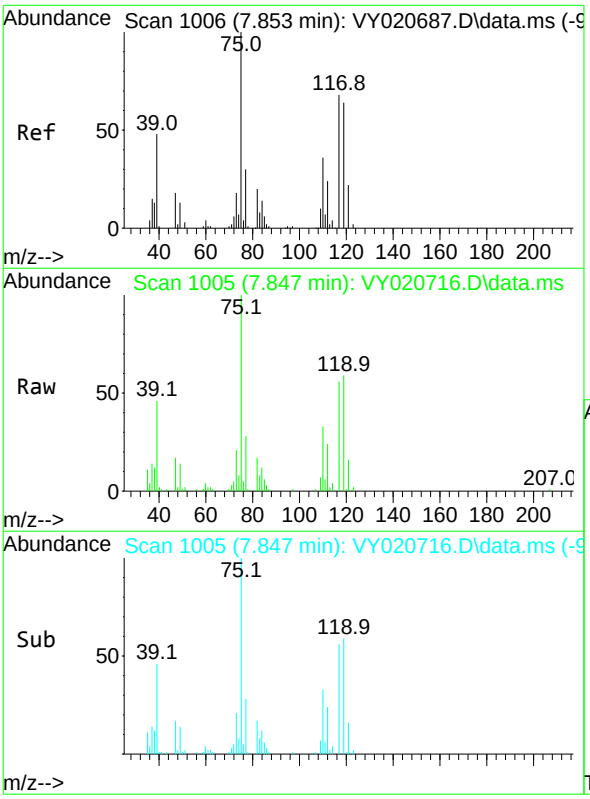
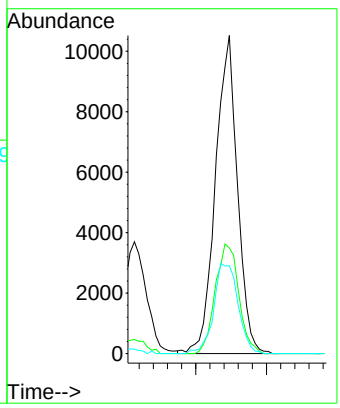
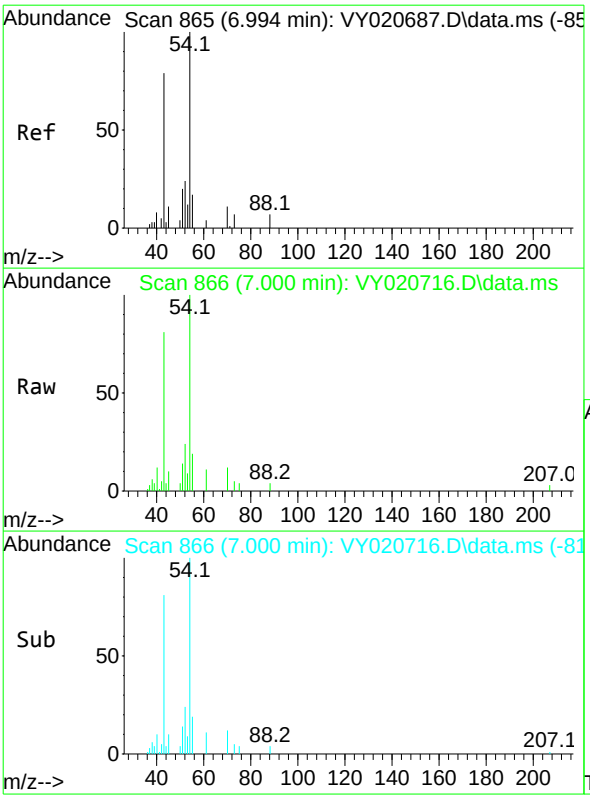


#36
1,1-Dichloropropene
Concen: 19.036 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 75 Resp: 22746

Ion	Ratio	Lower	Upper
75	100		
110	36.7	19.6	58.7
77	31.2	25.1	37.7





#37
Ethyl Acetate
Concen: 20.559 ug/l
RT: 7.000 min Scan# 86
Delta R.T. 0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 43 Resp: 8095

Ion	Ratio	Lower	Upper
43	100		
61	17.7	11.7	17.5#
70	13.2	11.0	16.4

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

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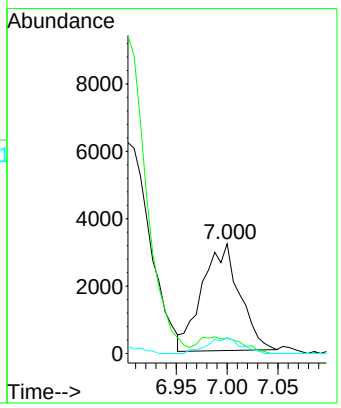
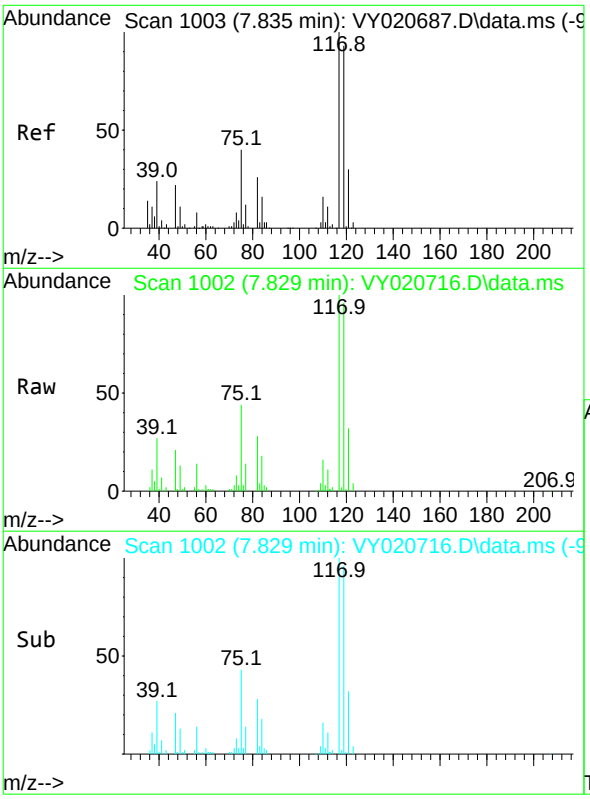
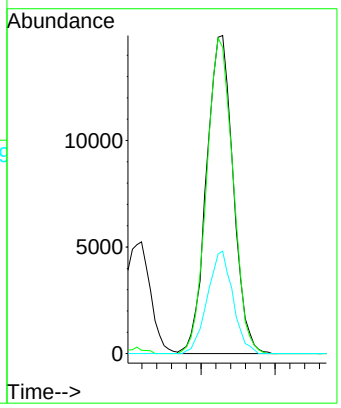


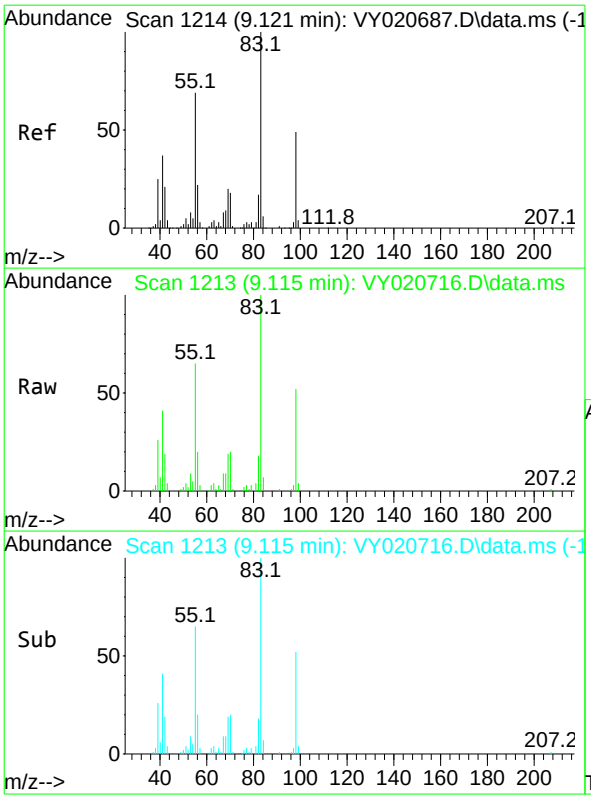


#38
Carbon Tetrachloride
Concen: 18.985 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:117 Resp: 37355

Ion	Ratio	Lower	Upper
117	100		
119	96.3	74.4	111.6
121	32.2	24.2	36.2





#39
Methylcyclohexane
Concen: 19.205 ug/l
RT: 9.115 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 83 Resp: 29413

Ion	Ratio	Lower	Upper
83	100		
55	65.0	55.0	82.4
98	52.1	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

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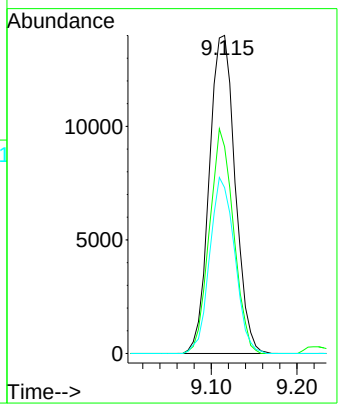
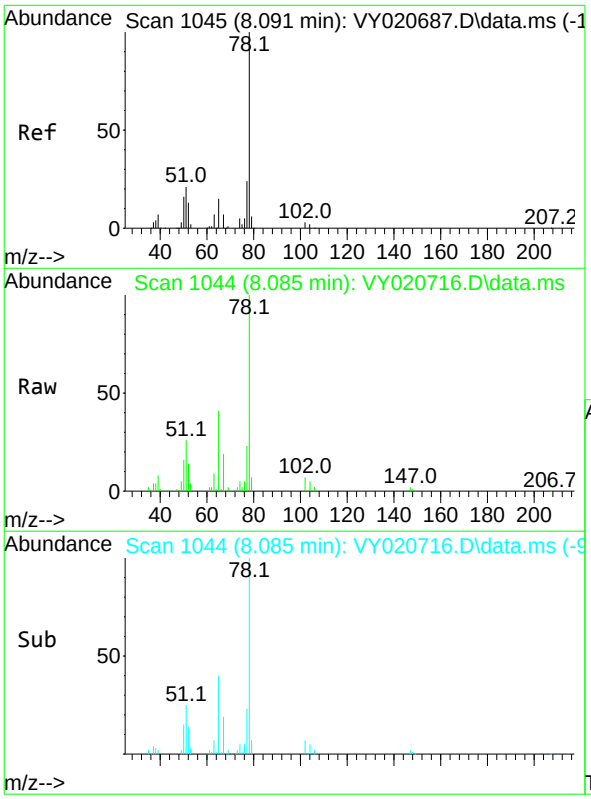
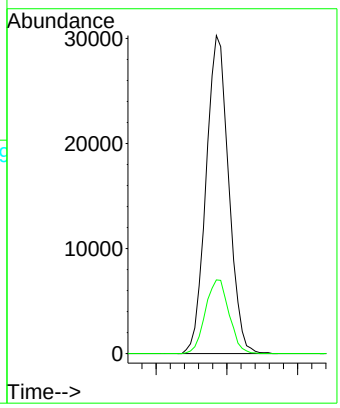


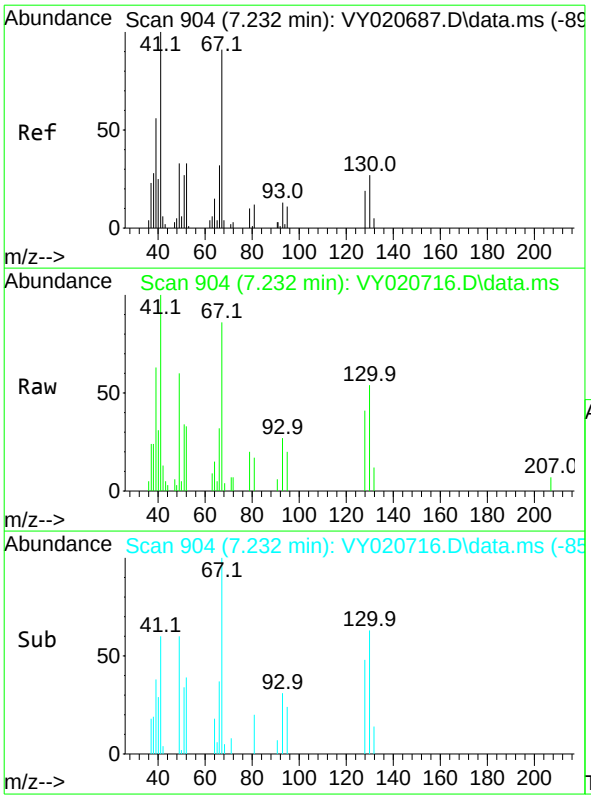


#40
Benzene
Concen: 19.404 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 78 Resp: 67196

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.2	28.8





#41
Methacrylonitrile
Concen: 19.679 ug/l
RT: 7.232 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 41 Resp: 3914

Ion	Ratio	Lower	Upper
41	100		
39	57.8	46.6	70.0
67	107.6	74.7	112.1
52	49.4	32.2	48.4#

Manual Integrations
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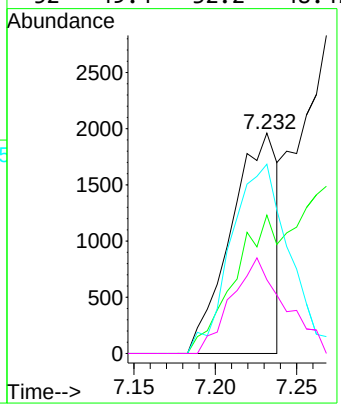
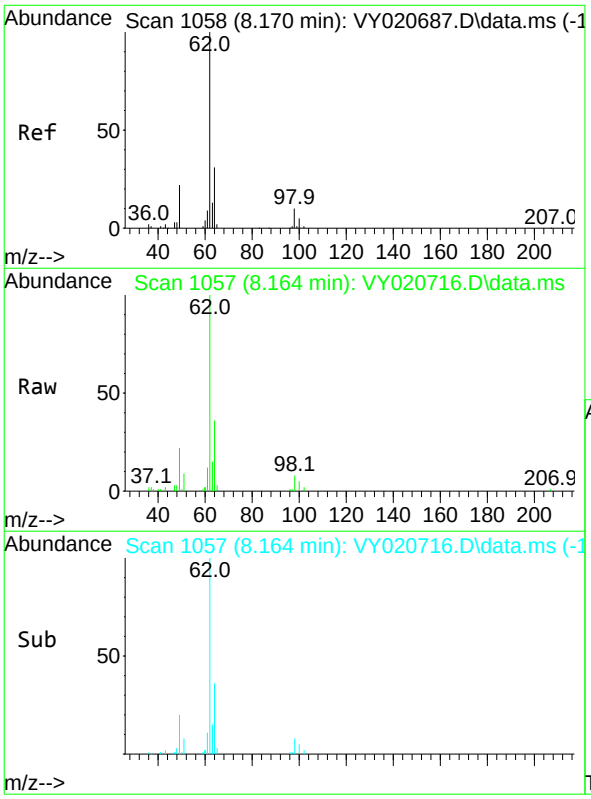
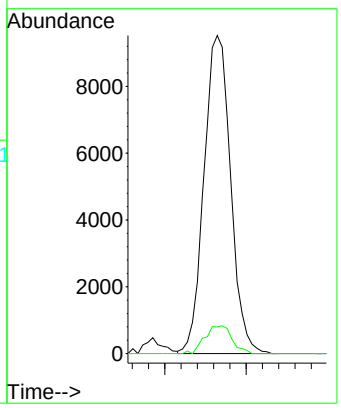


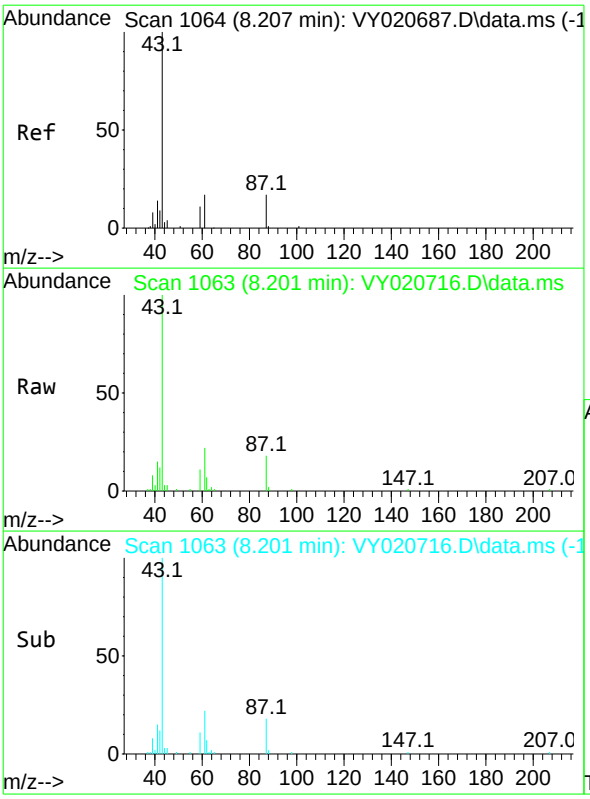


#42
1,2-Dichloroethane
Concen: 19.473 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 62 Resp: 21623

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	16.6

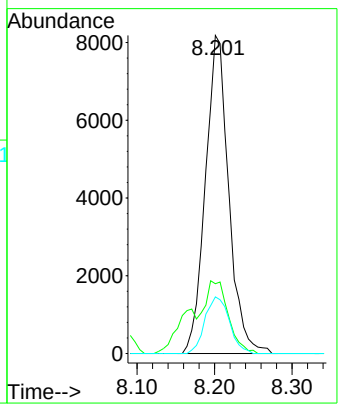




#43
Isopropyl Acetate
Concen: 20.432 ug/l
RT: 8.201 min Scan# 10
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 43 Resp: 17100

Ion	Ratio	Lower	Upper
43	100		
61	23.8	27.0	40.4#
87	18.7	14.2	21.4



Instrument :
MSVOA_Y
ClientSampleId :
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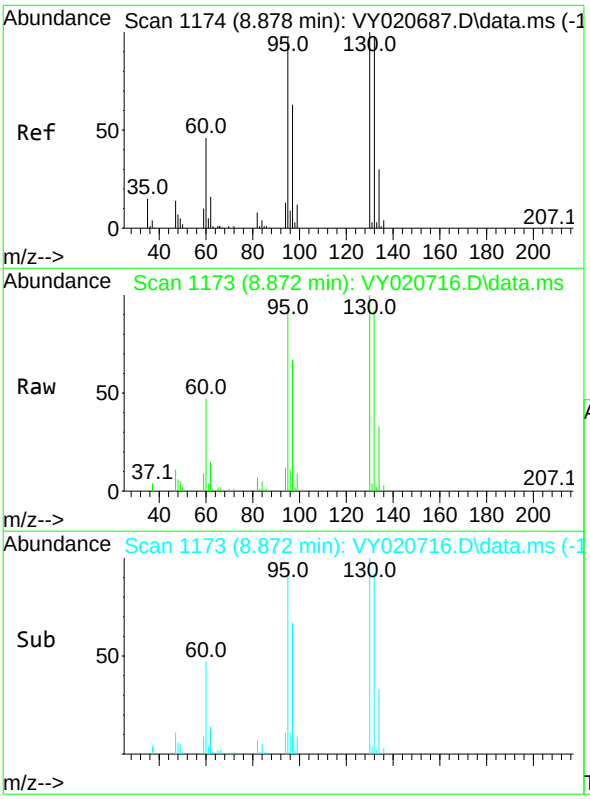
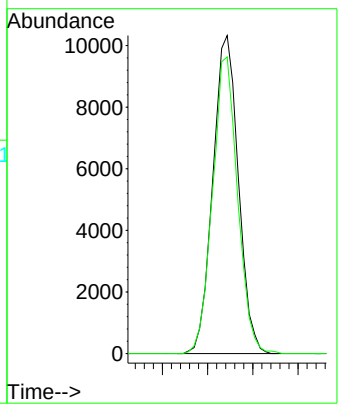
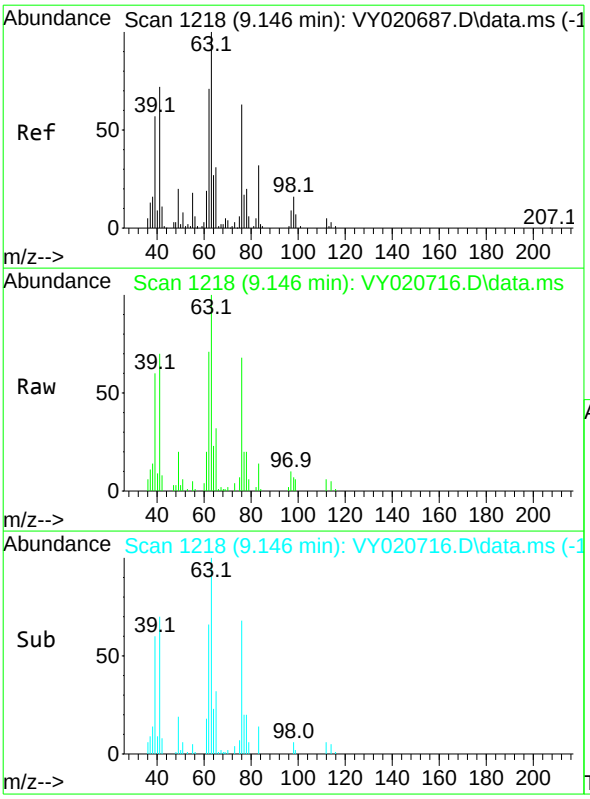


#44
Trichloroethene
Concen: 19.567 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:130 Resp: 20239

Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	194.8

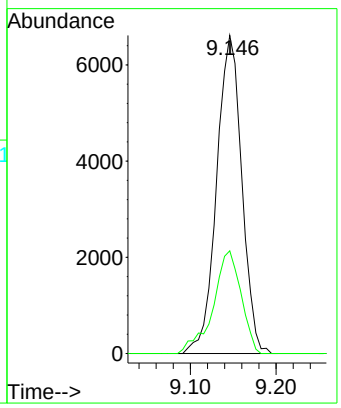




#45
1,2-Dichloropropane
Concen: 19.262 ug/l
RT: 9.146 min Scan# 12
Delta R.T. -0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 63 Resp: 13502

Ion	Ratio	Lower	Upper
63	100		
65	32.3	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

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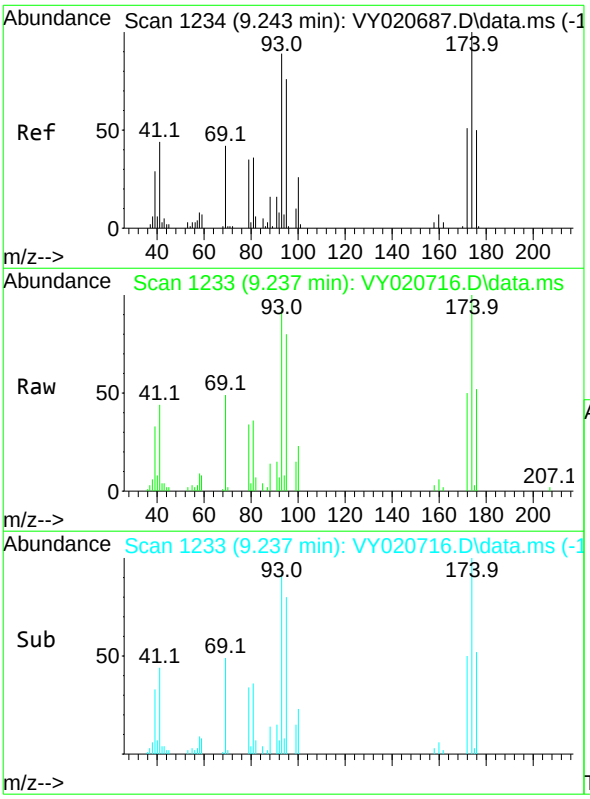
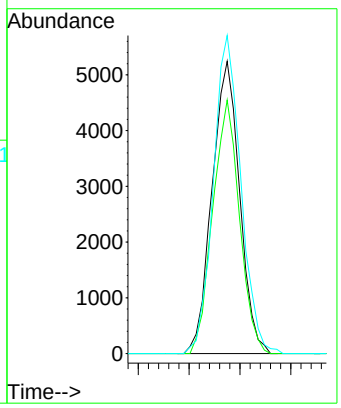
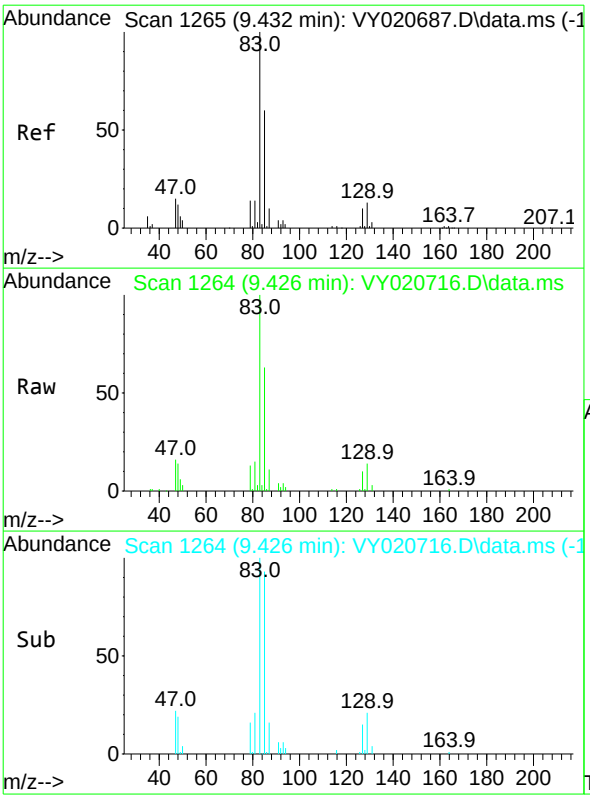


#46
Dibromomethane
Concen: 20.387 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 93 Resp: 9888

Ion	Ratio	Lower	Upper
93	100		
95	83.9	67.8	101.8
174	108.3	89.4	134.0

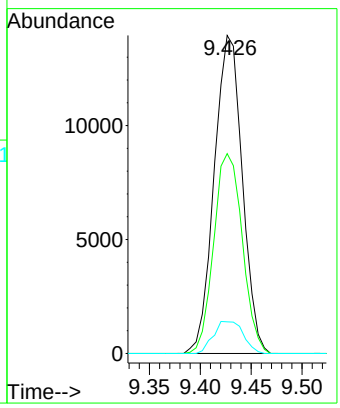




#47
Bromodichloromethane
Concen: 19.469 ug/l
RT: 9.426 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 83 Resp: 26772

Ion	Ratio	Lower	Upper
83	100		
85	62.8	47.6	71.4
127	9.9	7.9	11.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

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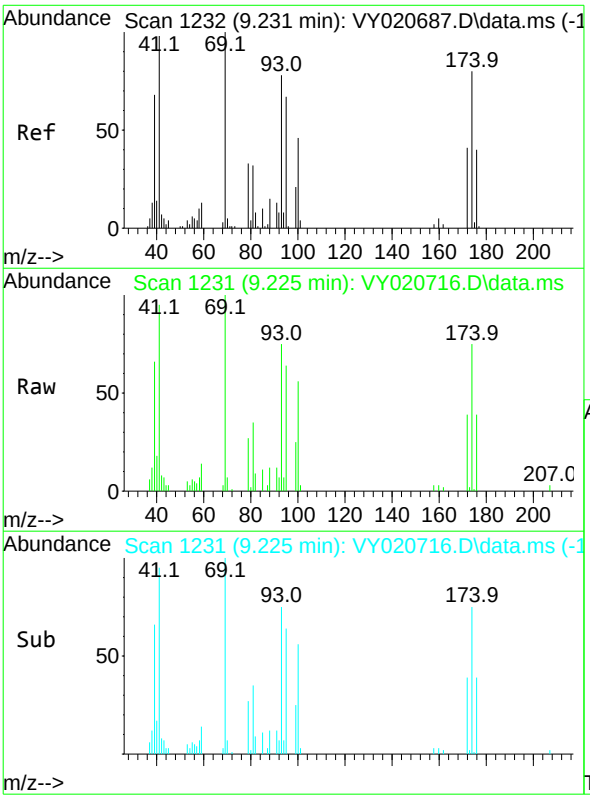
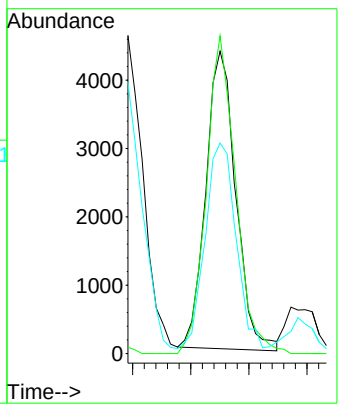
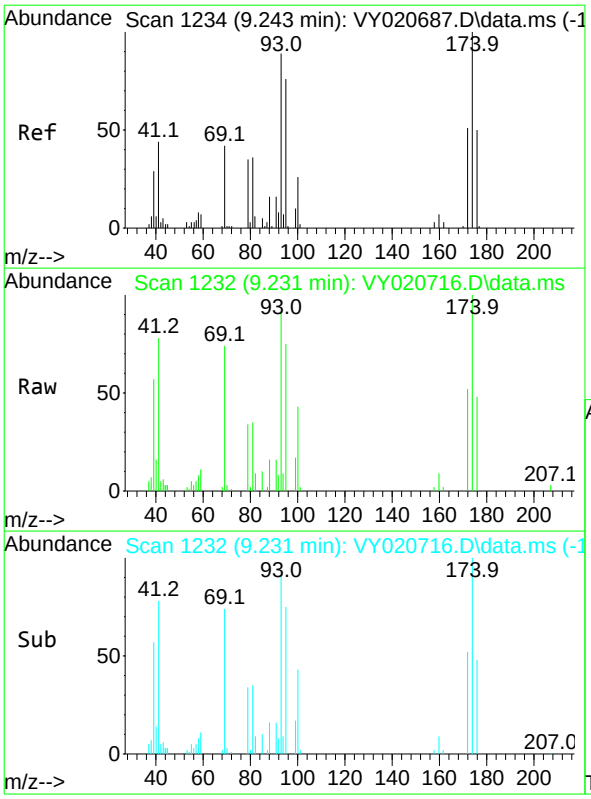


#48
Methyl methacrylate
Concen: 19.957 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 41 Resp: 7800

Ion	Ratio	Lower	Upper
41	100		
69	104.7	83.1	124.7
39	71.9	57.3	85.9





#49
1,4-Dioxane
Concen: 461.904 ug/l
RT: 9.231 min Scan# 12
Delta R.T. -0.012 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 88 Resp: 2134

Ion	Ratio	Lower	Upper
88	100		
43	29.7	22.1	33.1
58	45.9	46.7	70.1#

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

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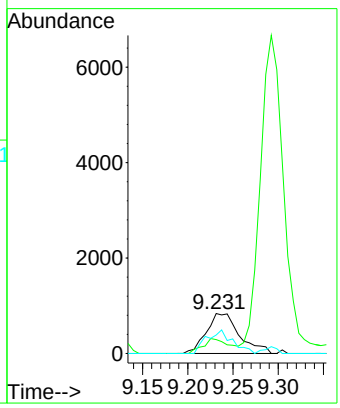
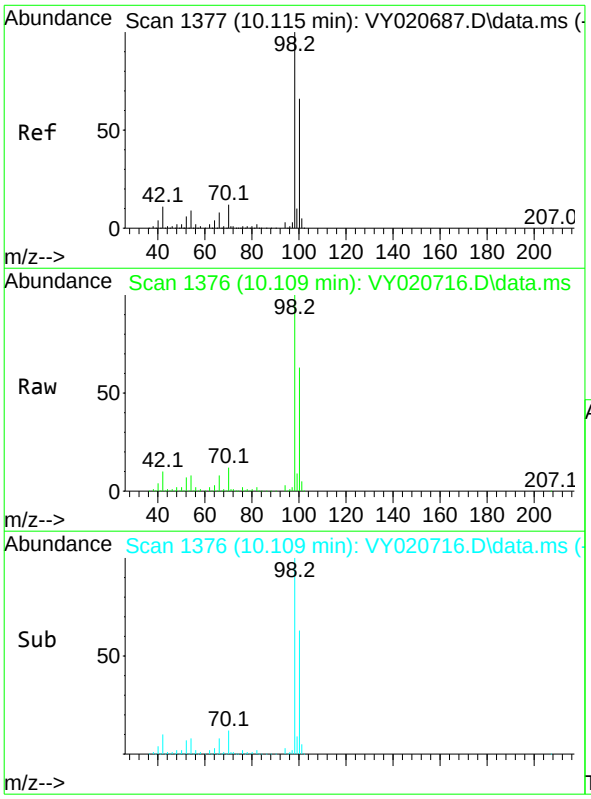
Supervised By :Semsettin Yesilyurt 12/27/2024

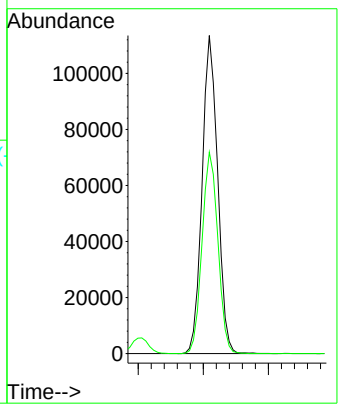


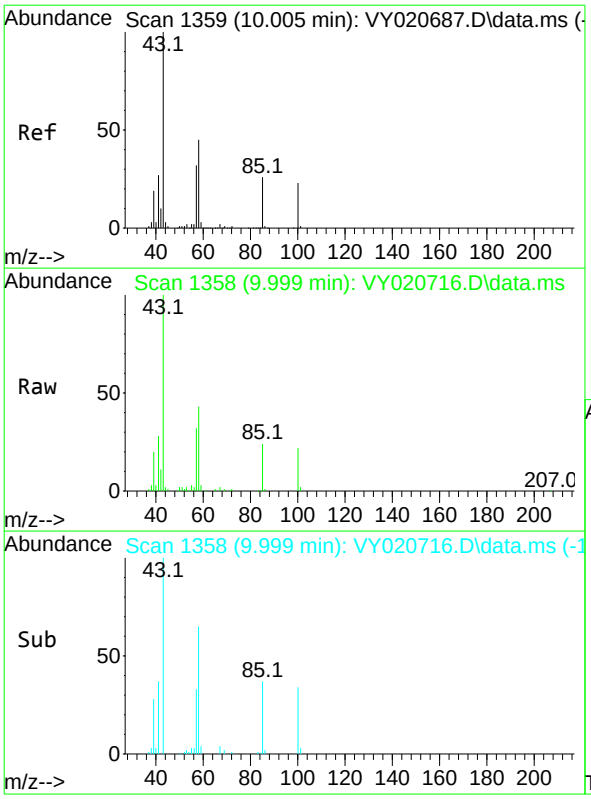


#50
Toluene-d8
Concen: 52.144 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 98 Resp: 187843

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.4

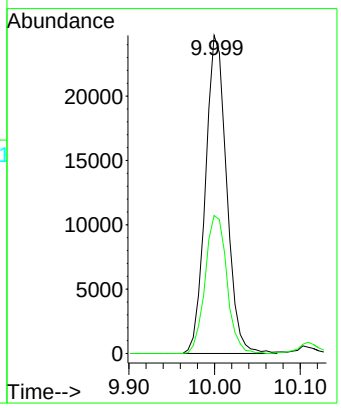




#51
4-Methyl-2-Pentanone
Concen: 104.782 ug/l
RT: 9.999 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 43 Resp: 42327

Ion	Ratio	Lower	Upper
43	100		
58	44.6	35.1	52.7



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

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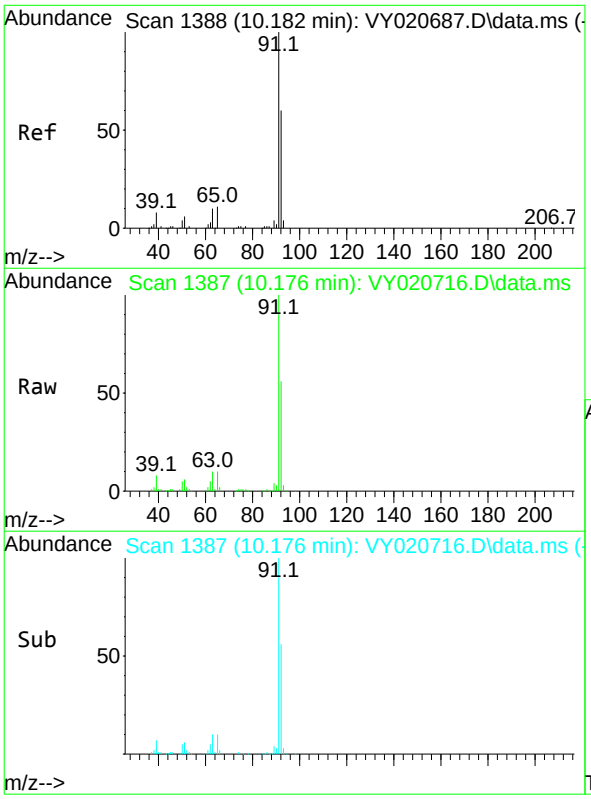
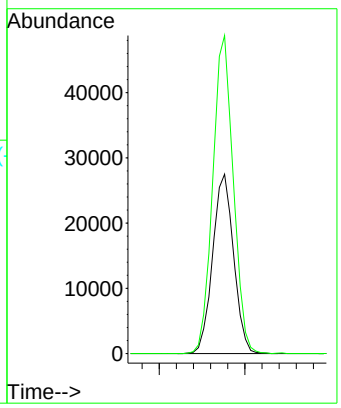
Supervised By :Semsettin Yesilyurt 12/27/2024

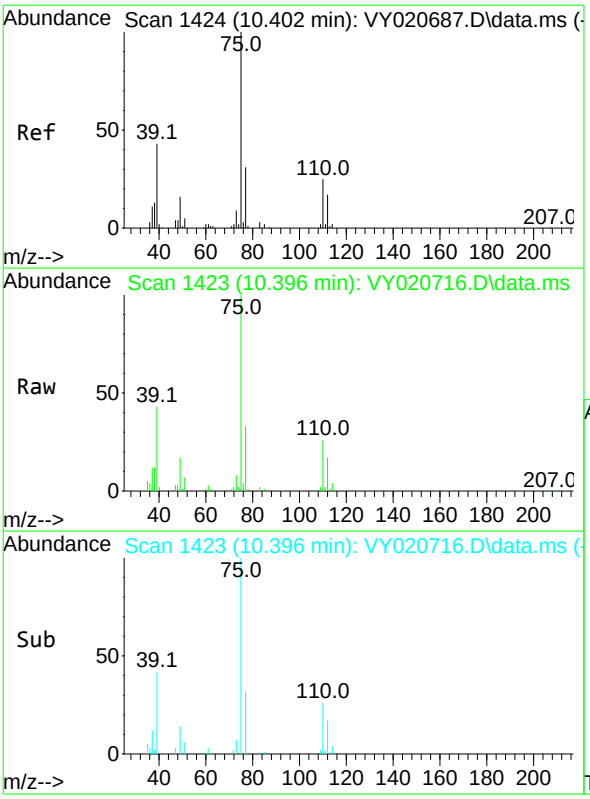


#52
Toluene
Concen: 19.709 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 92 Resp: 46778

Ion	Ratio	Lower	Upper
92	100		
91	173.3	137.7	206.5





#53
t-1,3-Dichloropropene
Concen: 19.877 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 75 Resp: 24006

Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.1	37.7

Instrument :
MSVOA_Y
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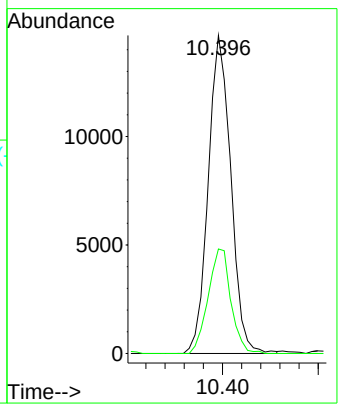
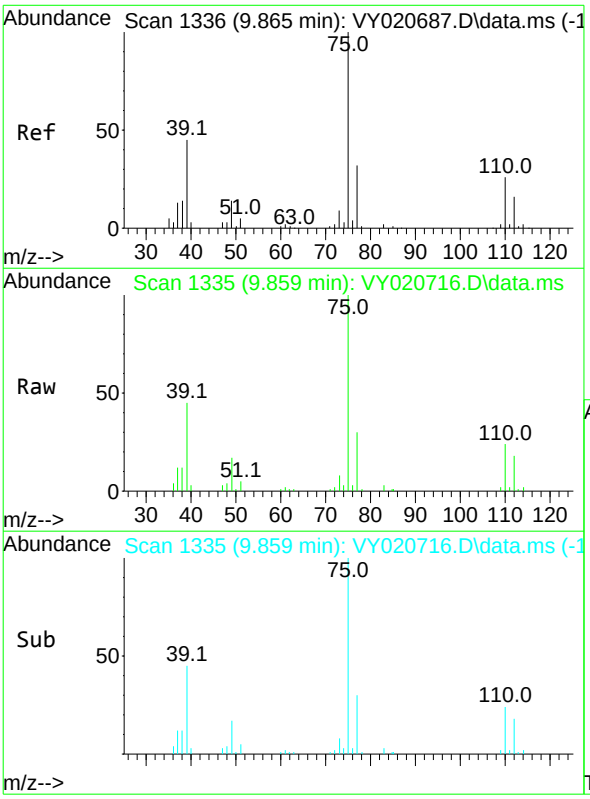
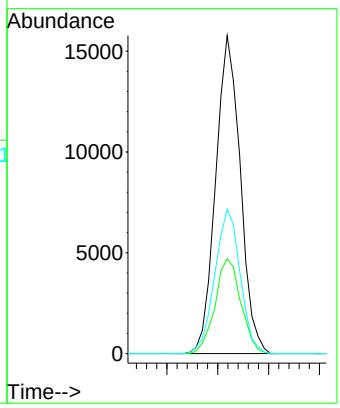


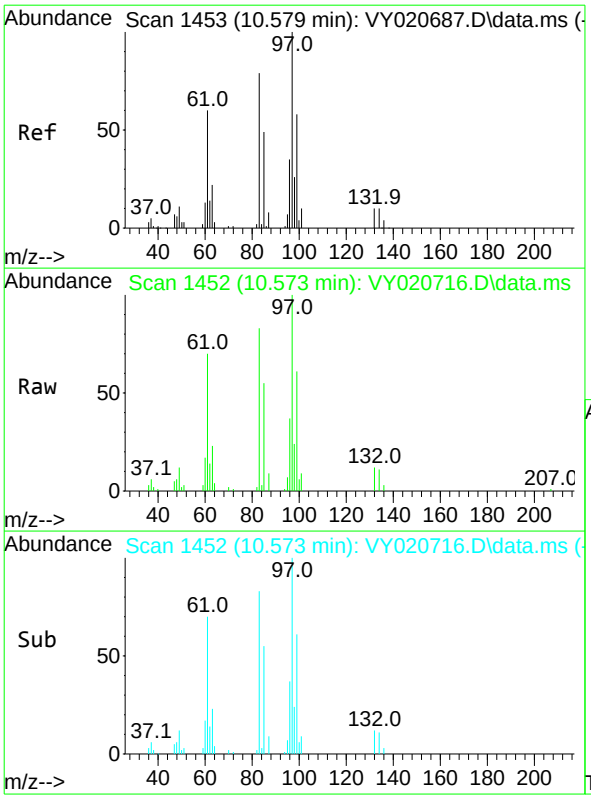


#54
cis-1,3-Dichloropropene
Concen: 20.063 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 75 Resp: 26559

Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.6	38.4
39	45.3	36.2	54.2

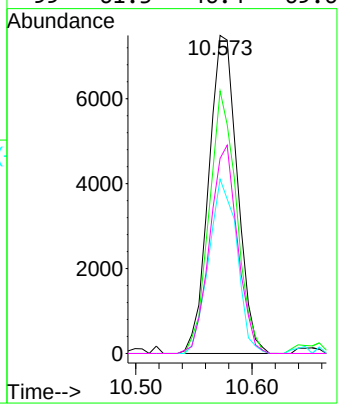




#55
1,1,2-Trichloroethane
Concen: 20.704 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 97 Resp: 12818

Ion	Ratio	Lower	Upper
97	100		
83	82.6	63.1	94.7
85	54.8	39.5	59.3
99	61.3	46.4	69.6



Instrument :
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ClientSampleId :
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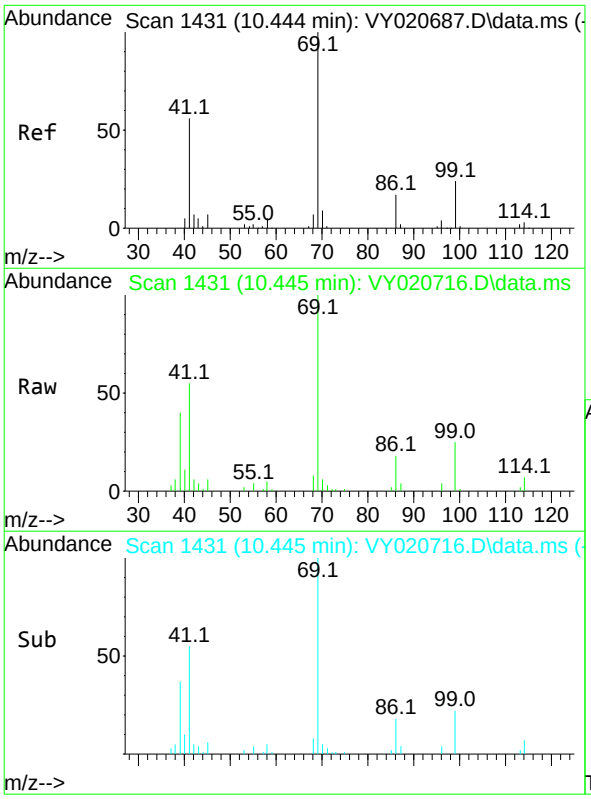
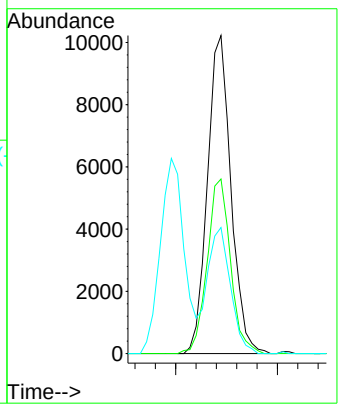
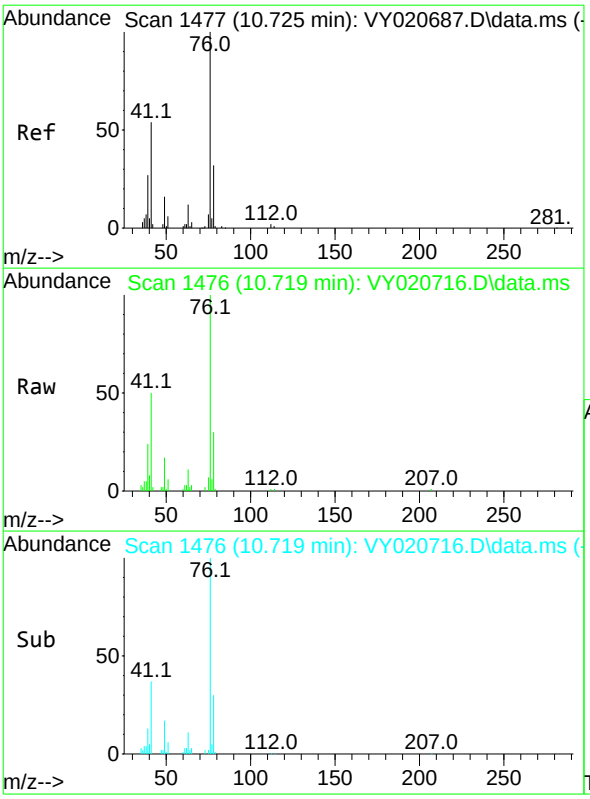


#56
Ethyl methacrylate
Concen: 20.175 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 69 Resp: 16409

Ion	Ratio	Lower	Upper
69	100		
41	54.4	43.8	65.6
39	39.2	32.0	48.0

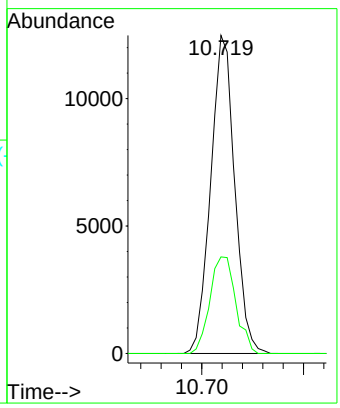




#57
1,3-Dichloropropane
Concen: 20.363 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 76 Resp: 20462

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
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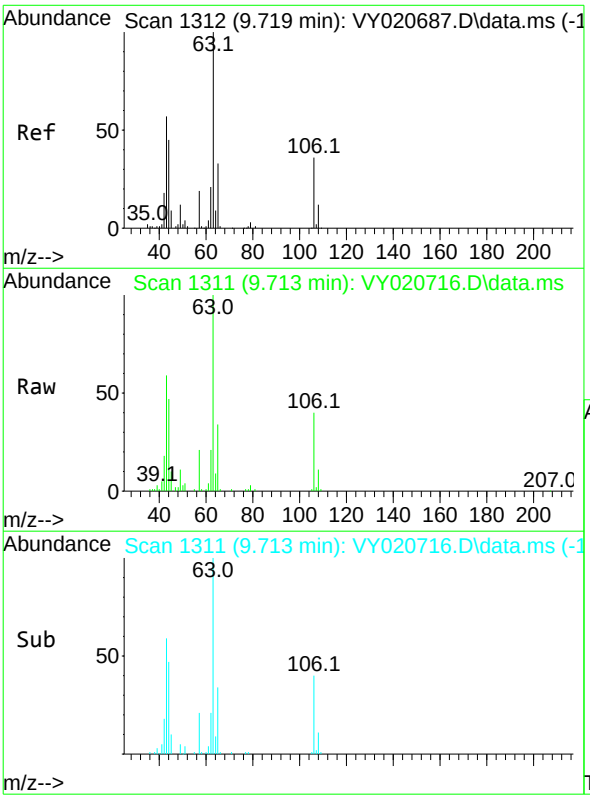
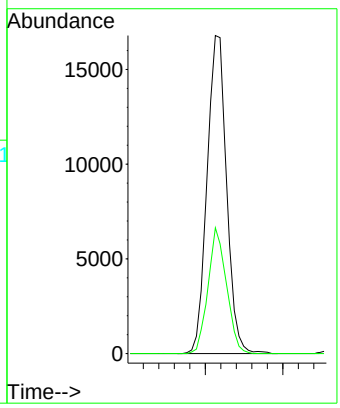
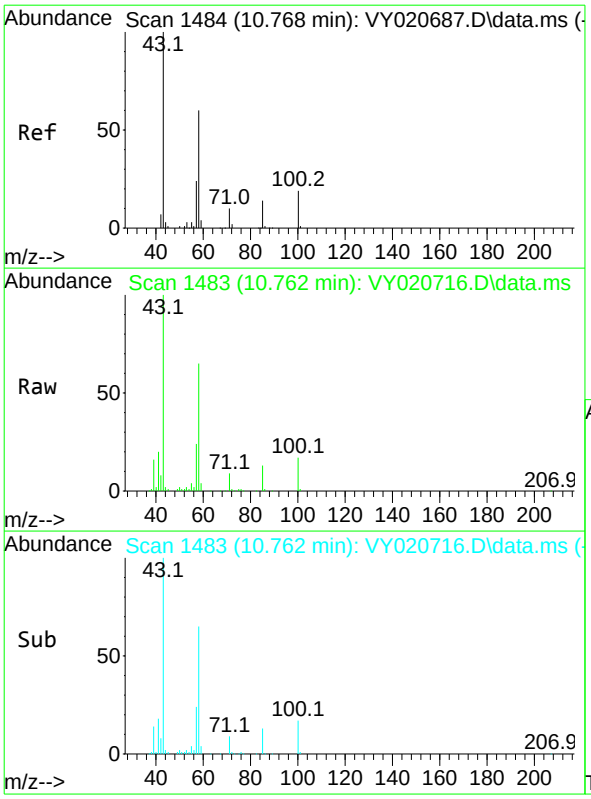


#58
2-Chloroethyl Vinyl ether
Concen: 103.542 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 63 Resp: 29367

Ion	Ratio	Lower	Upper
63	100		
106	37.3	29.1	43.7





#59
2-Hexanone
Concen: 105.605 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 43 Resp: 28166

Ion	Ratio	Lower	Upper
43	100		
58	60.5	30.1	90.5

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

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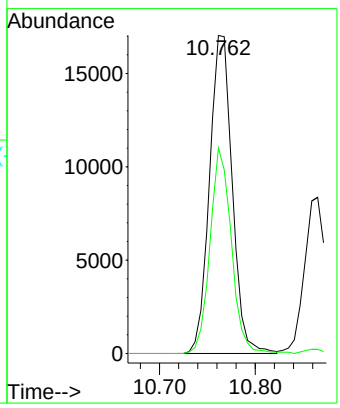
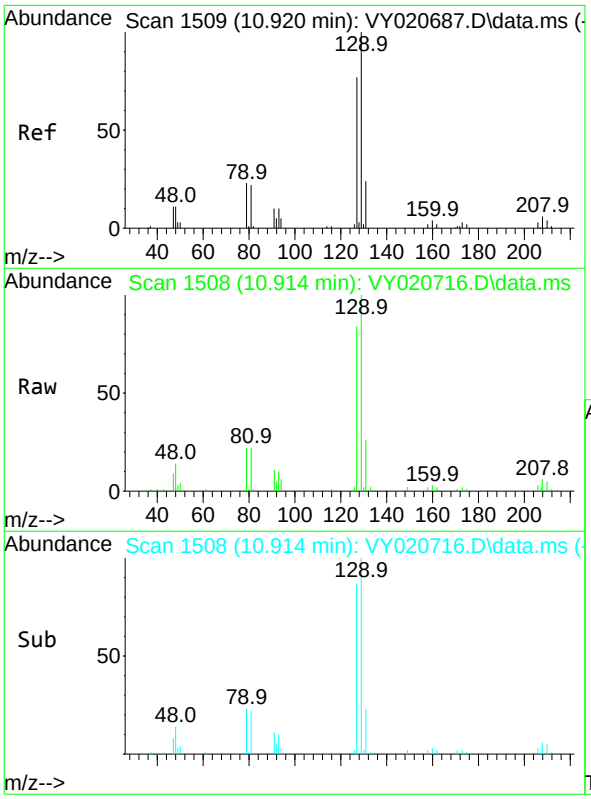
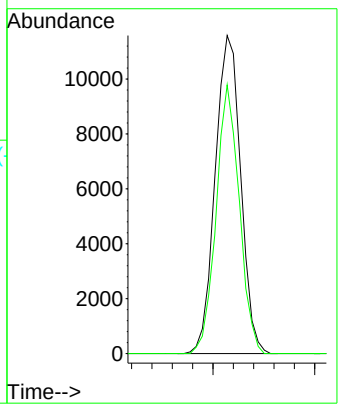


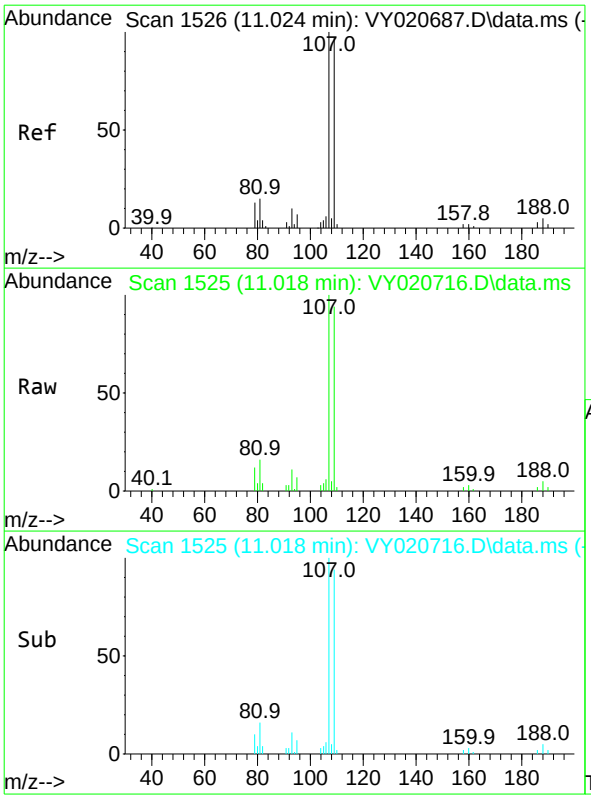


#60
Dibromochloromethane
Concen: 20.149 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:129 Resp: 20157

Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.5	115.5





#61
1,2-Dibromoethane
Concen: 20.304 ug/l
RT: 11.018 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:107 Resp: 11828

Ion	Ratio	Lower	Upper
107	100		
109	92.6	75.5	113.3

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

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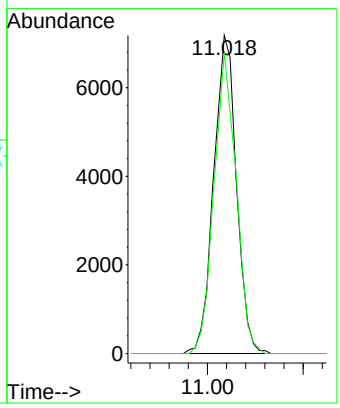
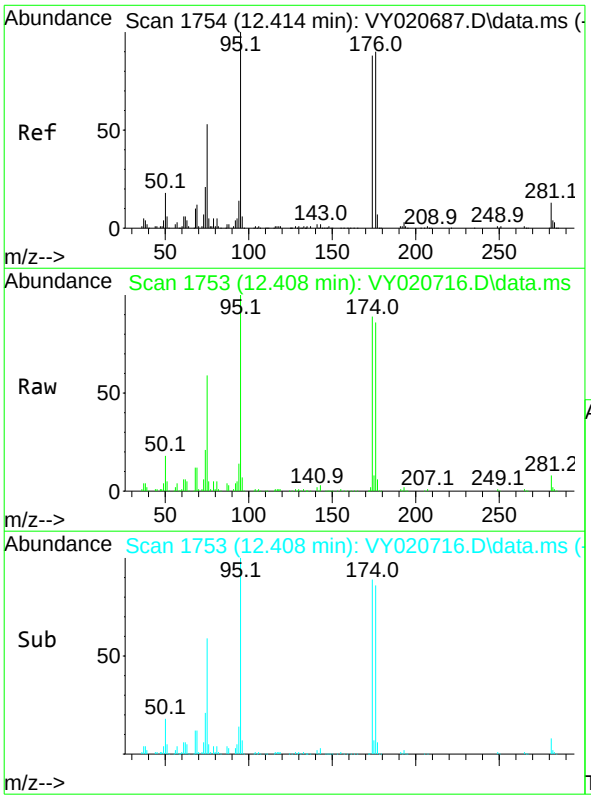
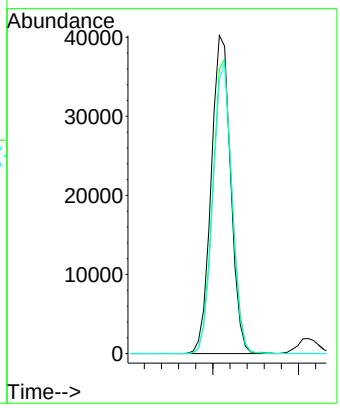


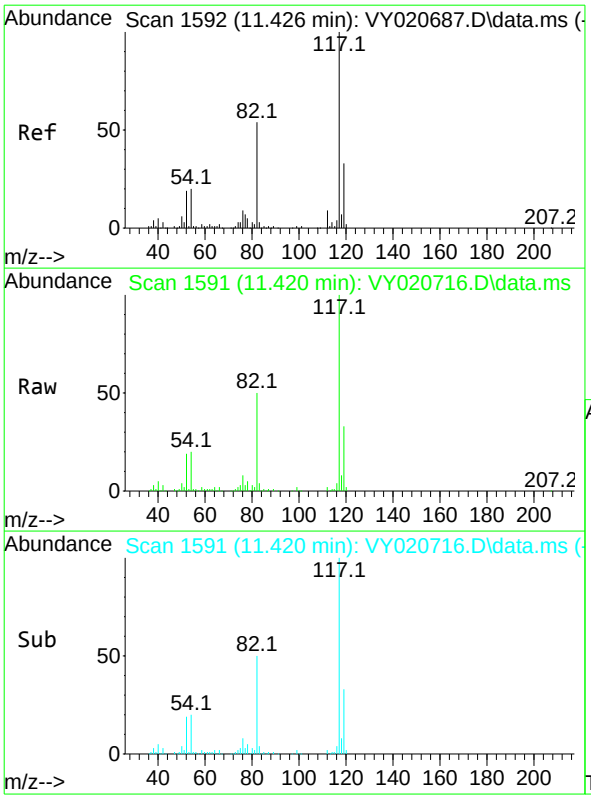


#62
4-Bromofluorobenzene
Concen: 52.931 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 95 Resp: 63630

Ion	Ratio	Lower	Upper
95	100		
174	91.2	0.0	179.2
176	89.1	0.0	179.8

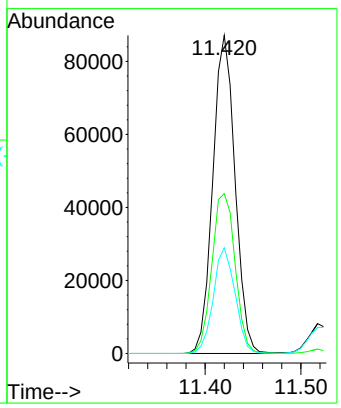




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:117 Resp: 140702

Ion	Ratio	Lower	Upper
117	100		
82	50.3	43.4	65.2
119	33.3	26.6	39.8



Instrument :
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ClientSampleId :
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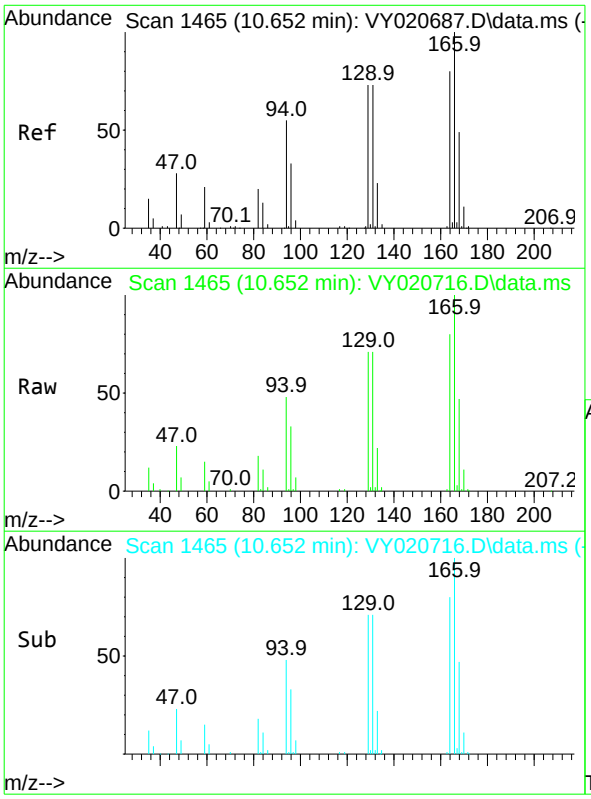
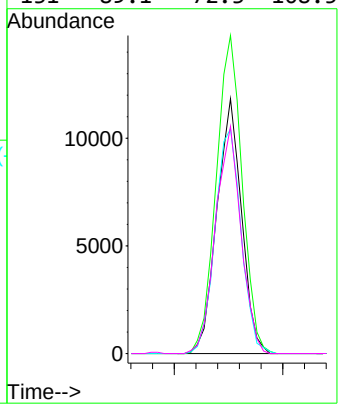
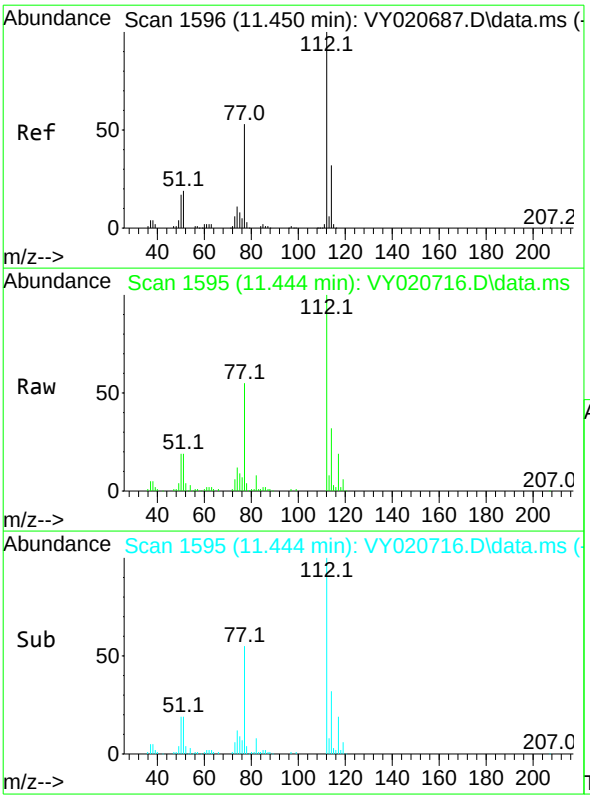


#64
Tetrachloroethene
Concen: 19.410 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:164 Resp: 18659

Ion	Ratio	Lower	Upper
164	100		
166	124.8	99.6	149.4
129	88.2	73.0	109.4
131	89.1	72.3	108.5

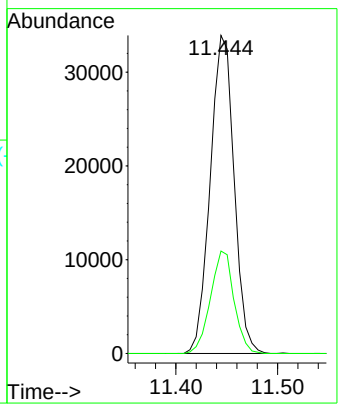




#65
Chlorobenzene
Concen: 20.095 ug/l
RT: 11.444 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:112 Resp: 55362

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
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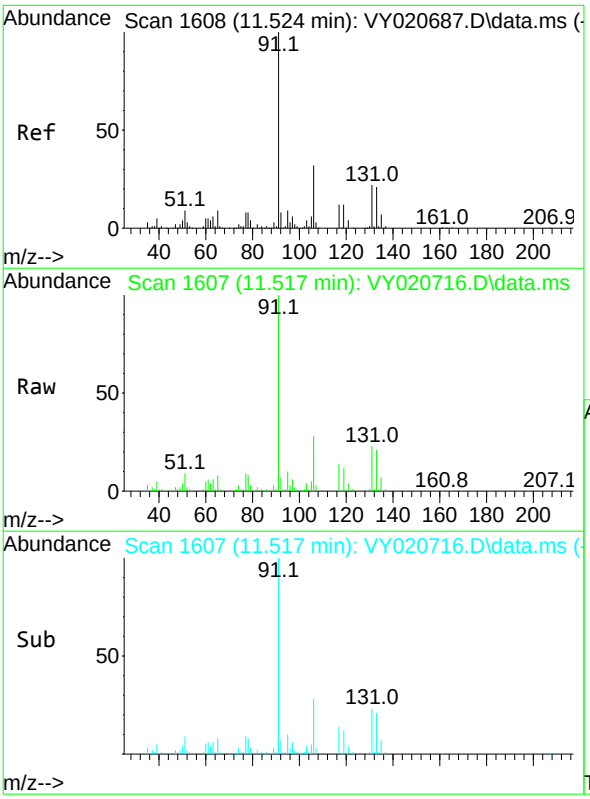
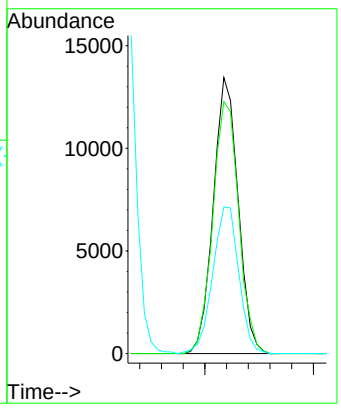
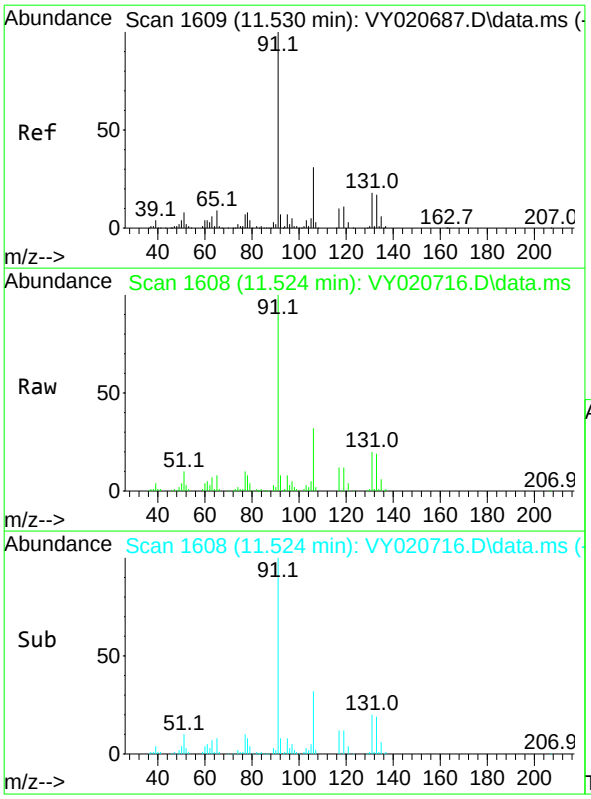


#66
1,1,1,2-Tetrachloroethane
Concen: 19.985 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.007 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:131 Resp: 21331

Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.6	145.9
119	56.1	28.4	85.3

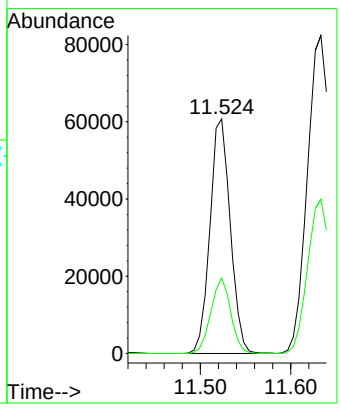




#67
Ethyl Benzene
Concen: 19.693 ug/l
RT: 11.524 min Scan# 16
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 91 Resp: 94825

Ion	Ratio	Lower	Upper
91	100		
106	32.1	24.5	36.7



Instrument :
MSVOA_Y
ClientSampleId :
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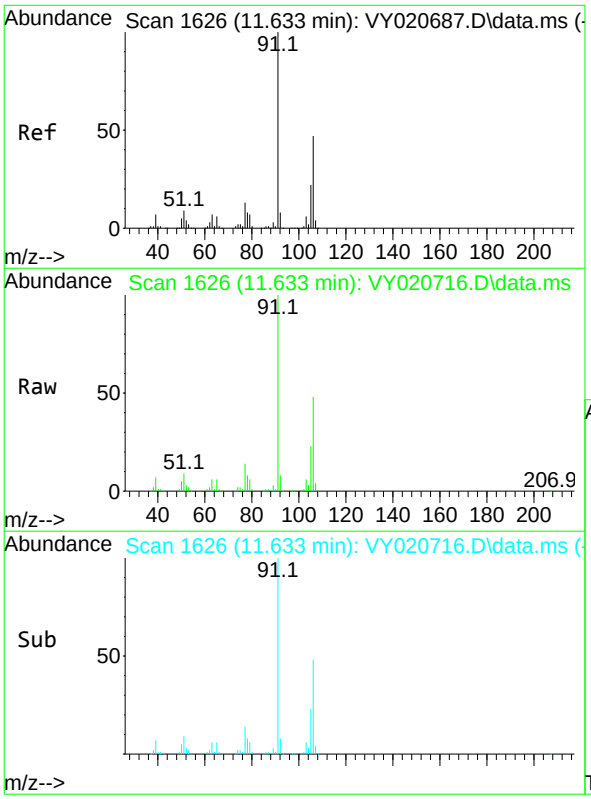
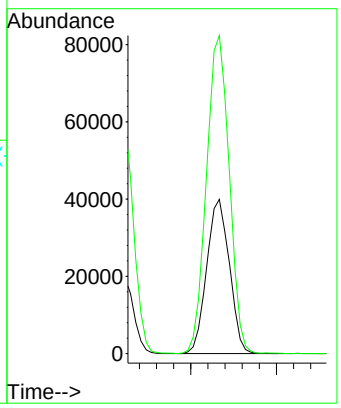
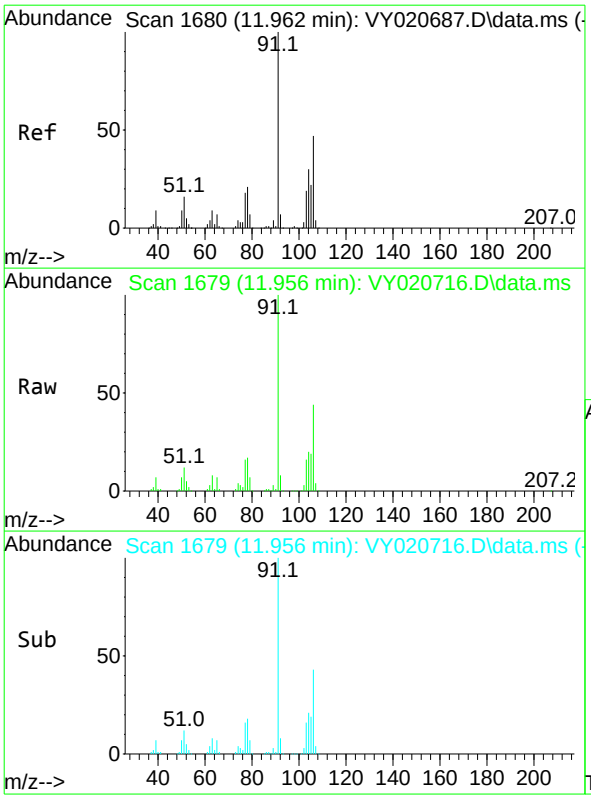


#68
m/p-Xylenes
Concen: 40.019 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:106 Resp: 73507

Ion	Ratio	Lower	Upper
106	100		
91	207.3	166.6	250.0

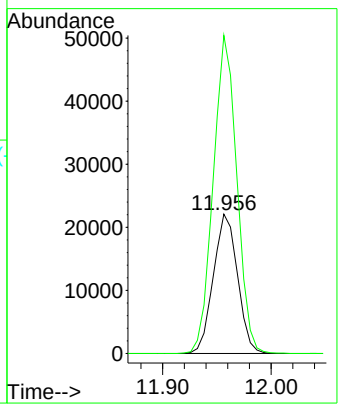




#69
o-Xylene
Concen: 19.455 ug/l
RT: 11.956 min Scan# 16
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:106 Resp: 34142

Ion	Ratio	Lower	Upper
106	100		
91	223.0	108.6	325.8



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

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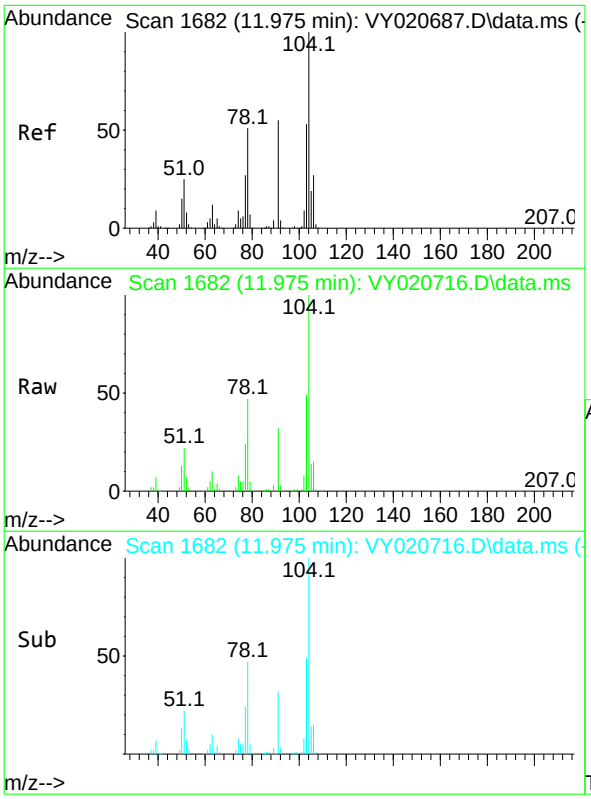
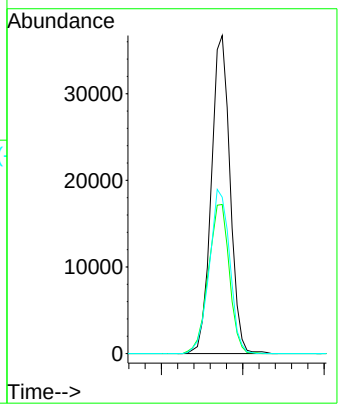
Supervised By :Semsettin Yesilyurt 12/27/2024

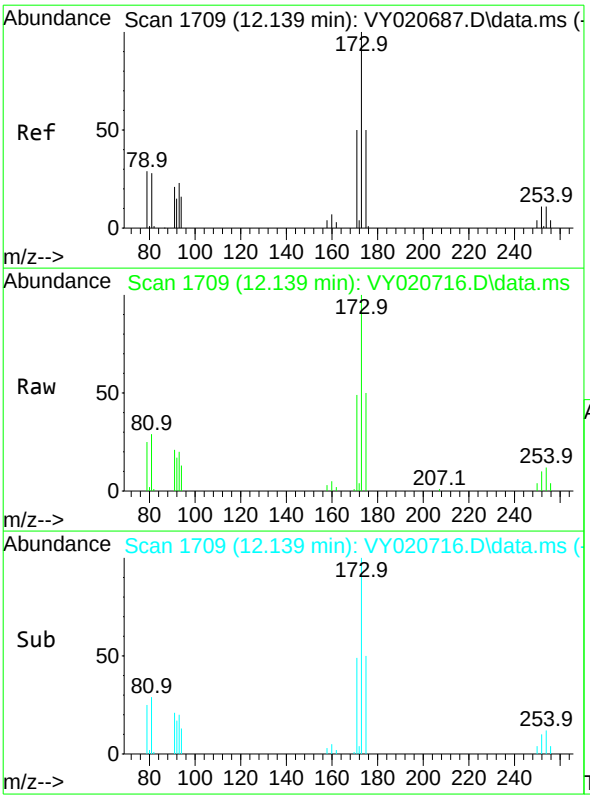


#70
Styrene
Concen: 19.918 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:104 Resp: 58678

Ion	Ratio	Lower	Upper
104	100		
78	52.5	43.0	64.4
103	56.3	44.4	66.6

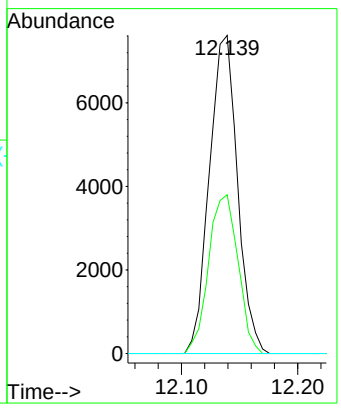




#71
Bromoform
Concen: 20.885 ug/l
RT: 12.139 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:173 Resp: 12816

Ion	Ratio	Lower	Upper
173	100		
175	52.1	24.2	72.6
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

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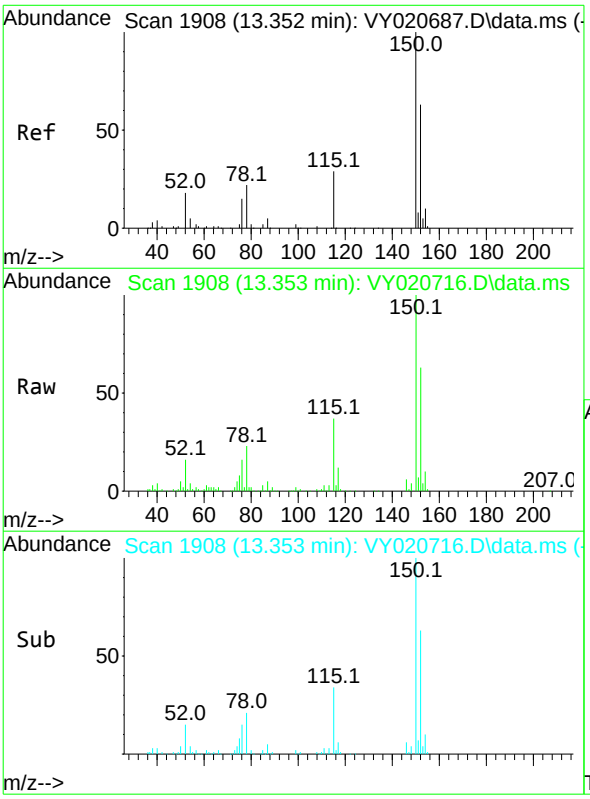
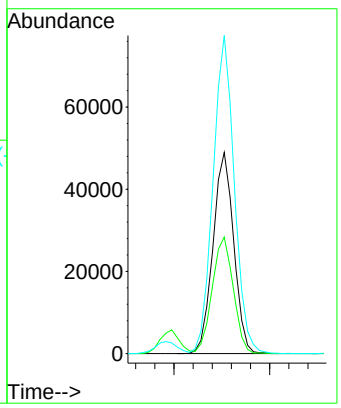
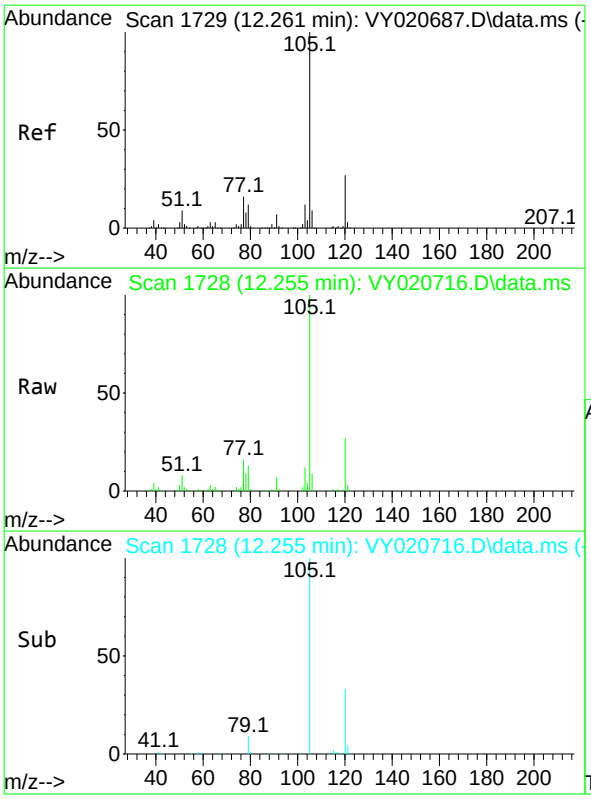


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.001 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:152 Resp: 73666

Ion	Ratio	Lower	Upper
152	100		
115	58.8	30.3	90.9
150	162.1	0.0	349.0

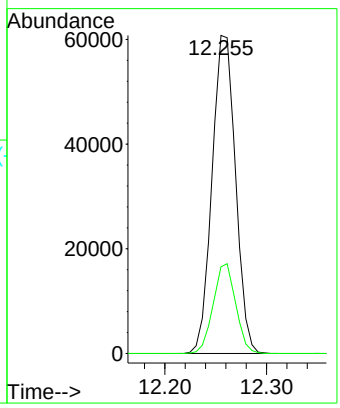




#73
Isopropylbenzene
Concen: 19.094 ug/l
RT: 12.255 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:105 Resp: 97450

Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

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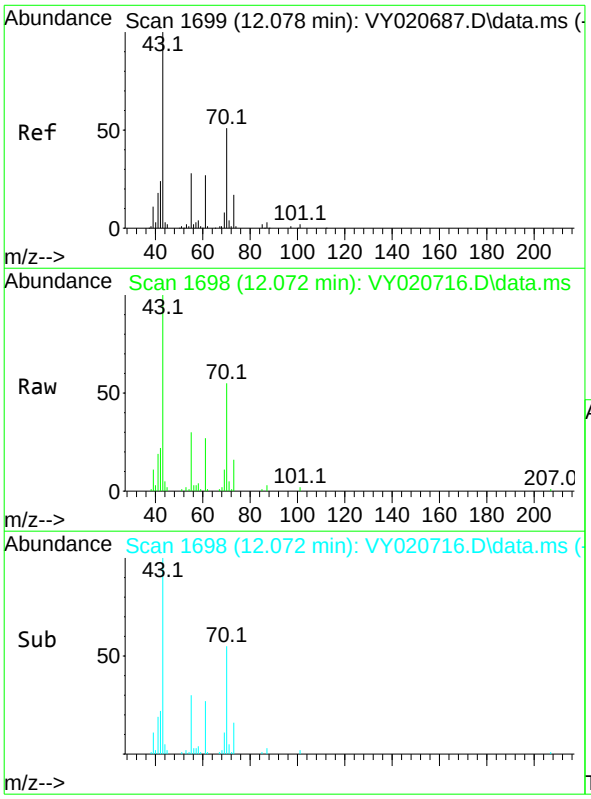
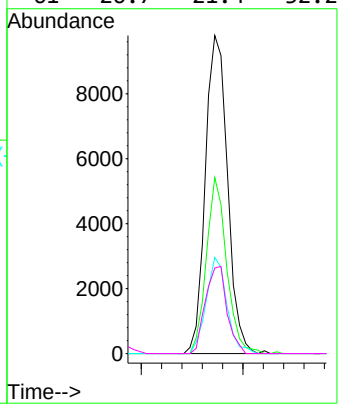
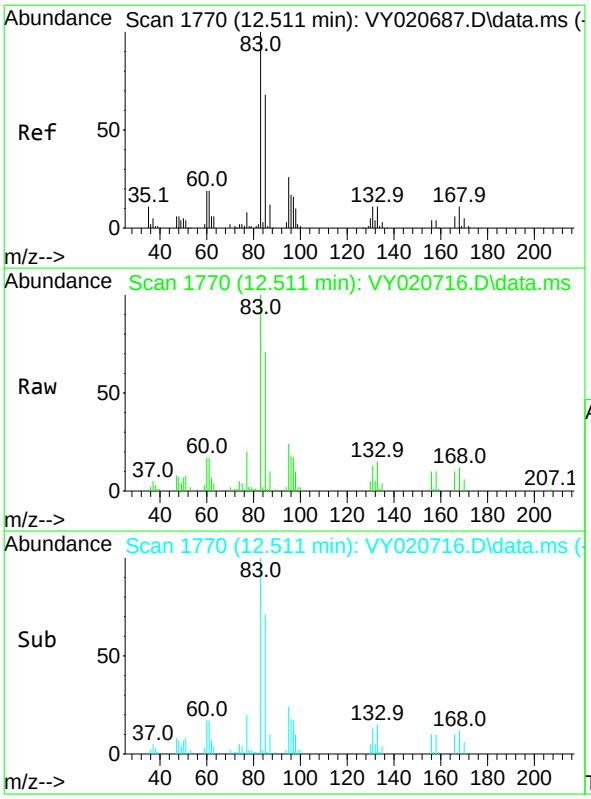


#74
N-amyl acetate
Concen: 20.431 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 43 Resp: 14818

Ion	Ratio	Lower	Upper
43	100		
70	50.5	39.7	59.5
55	28.3	21.5	32.3
61	26.7	21.4	32.2

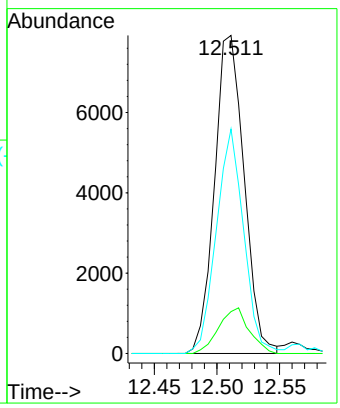




#75
1,1,2,2-Tetrachloroethane
Concen: 19.900 ug/l
RT: 12.511 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 83 Resp: 13020

Ion	Ratio	Lower	Upper
83	100		
131	14.7	6.9	20.7
85	65.4	32.5	97.4



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

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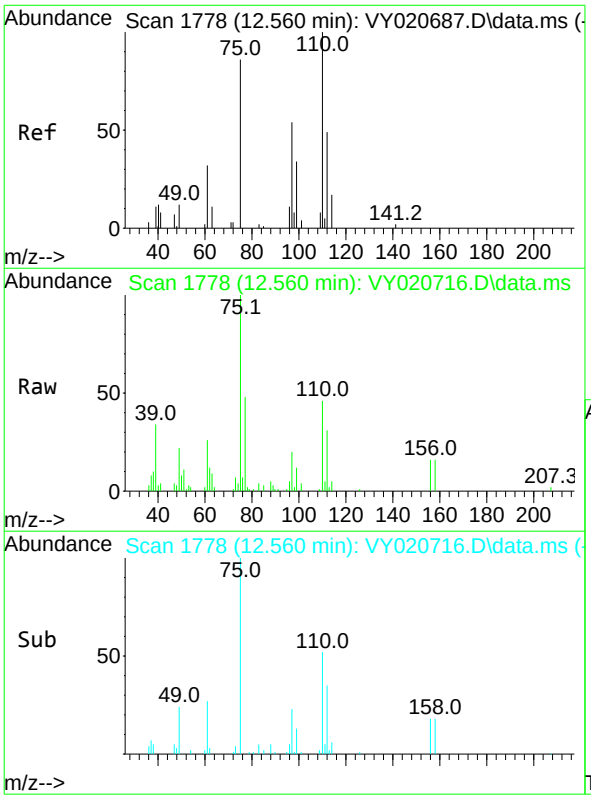
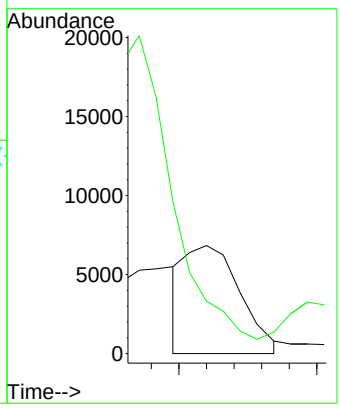
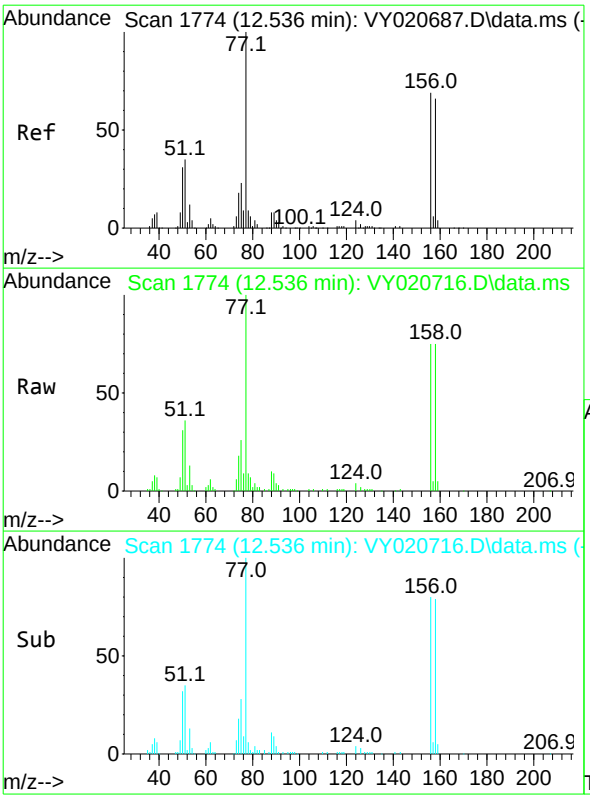


#76
1,2,3-Trichloropropane
Concen: 20.291 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 75 Resp: 9507

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 19.396 ug/l
RT: 12.536 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion:156 Resp: 22787

Ion	Ratio	Lower	Upper
156	100		
77	155.4	78.3	235.0
158	98.3	48.3	144.9

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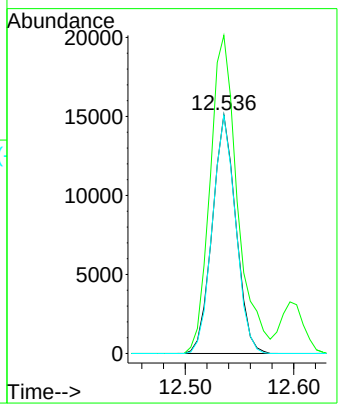
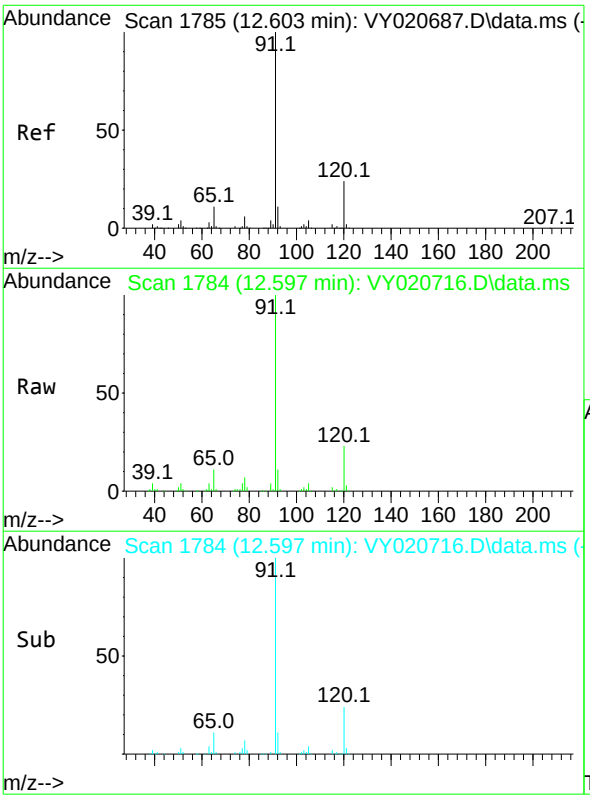
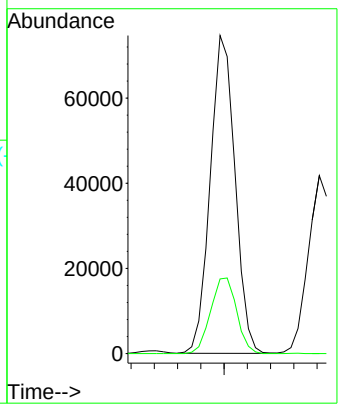


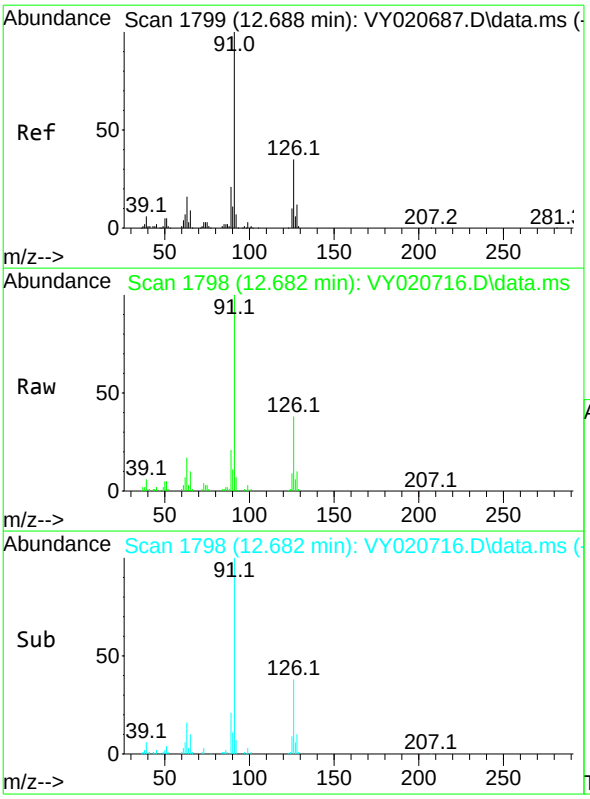


#78
n-propylbenzene
Concen: 19.355 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 91 Resp: 110719

Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.3	36.8

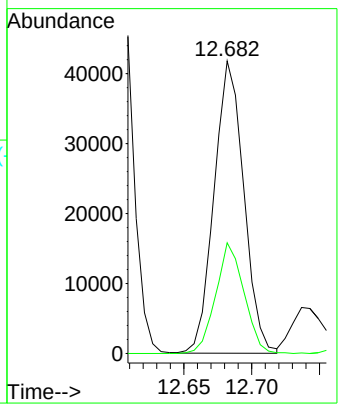




#79
2-Chlorotoluene
Concen: 19.509 ug/l
RT: 12.682 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 91 Resp: 63619

Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.8	53.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

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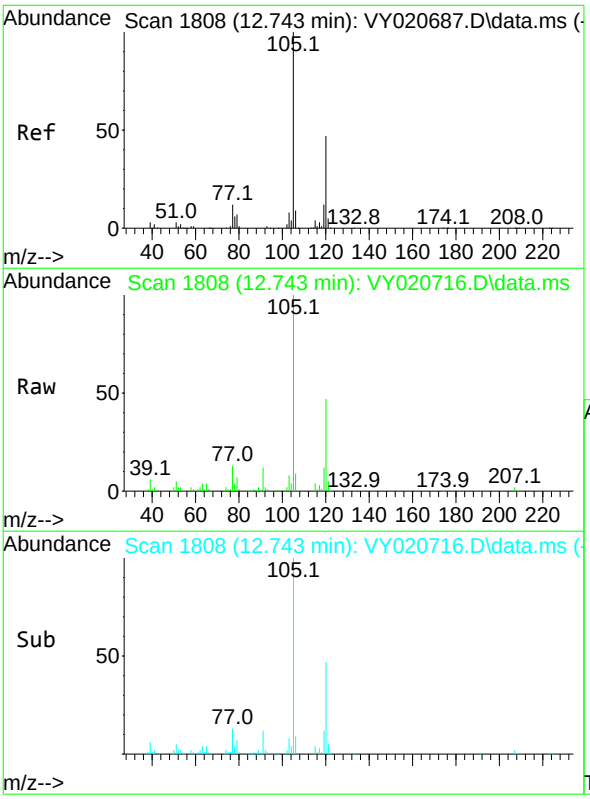
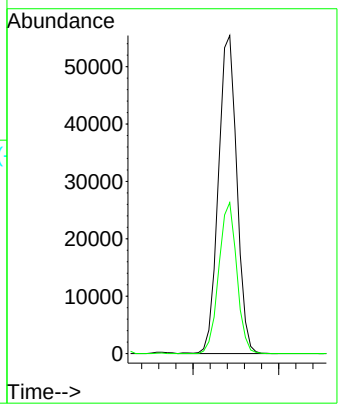
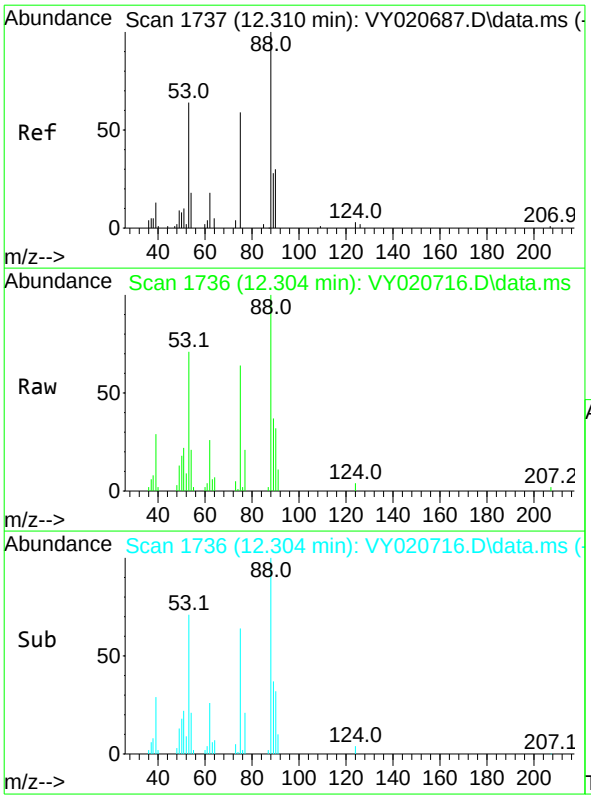


#80
1,3,5-Trimethylbenzene
Concen: 19.509 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:105 Resp: 82956

Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.9	71.7

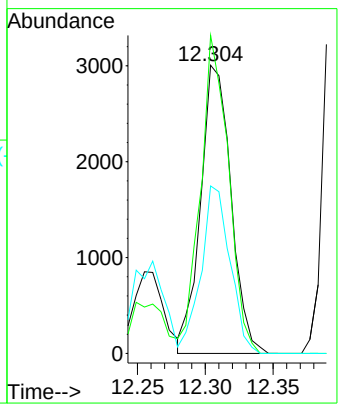




#81
trans-1,4-Dichloro-2-butene
Concen: 19.790 ug/l
RT: 12.304 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 75 Resp: 4691

Ion	Ratio	Lower	Upper
75	100		
53	101.6	83.1	124.7
89	55.3	40.6	61.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

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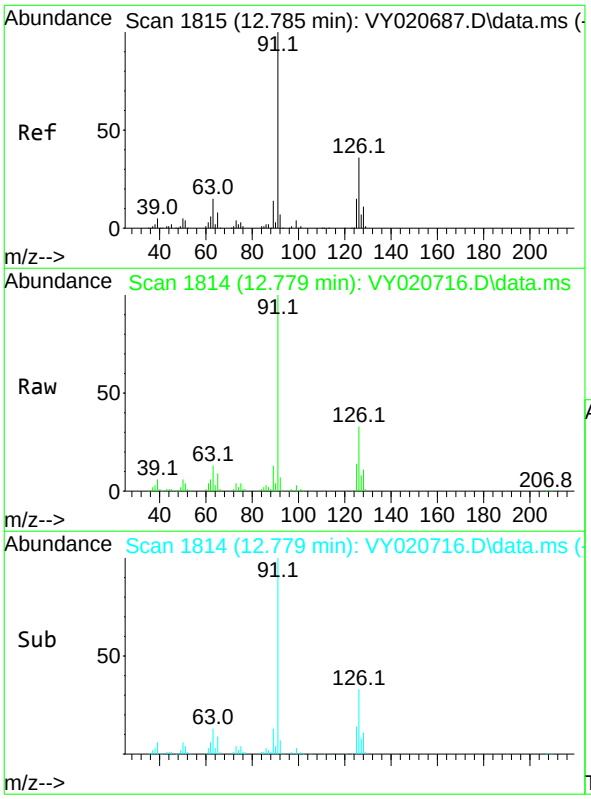
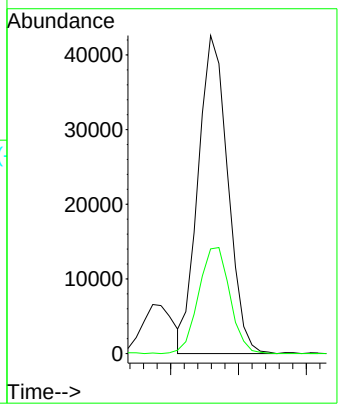
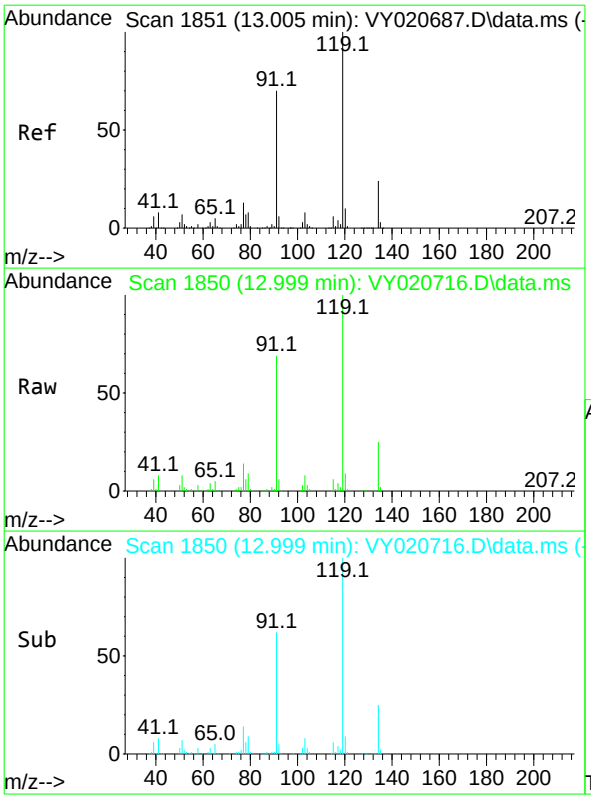


#82
4-Chlorotoluene
Concen: 19.219 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 91 Resp: 64772

Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.8	53.5

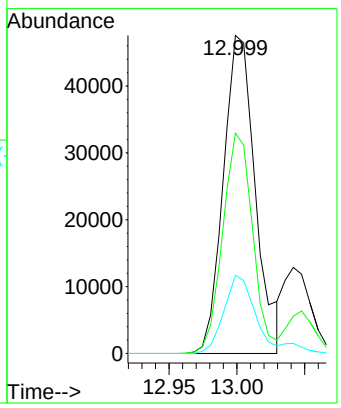




#83
tert-Butylbenzene
Concen: 19.685 ug/l
RT: 12.999 min Scan# 18
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:119 Resp: 78168

Ion	Ratio	Lower	Upper
119	100		
91	65.0	33.6	100.8
134	25.7	13.4	40.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

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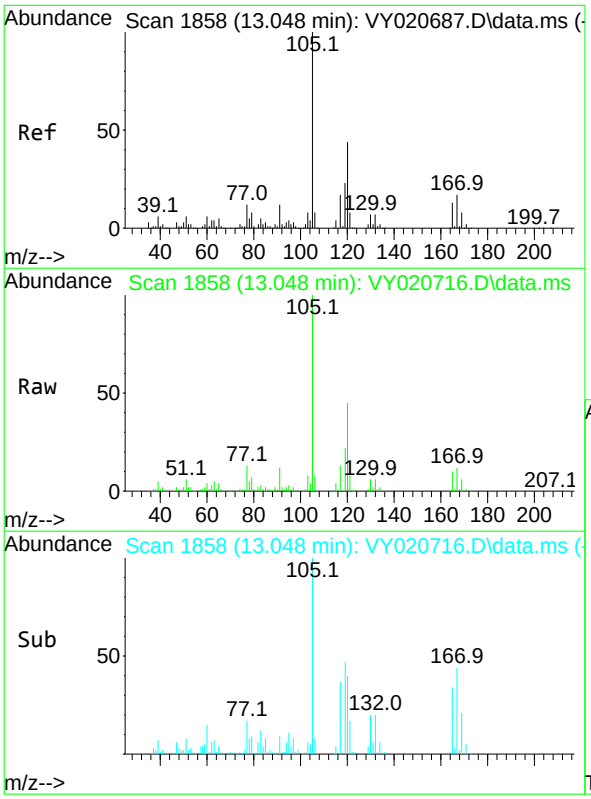
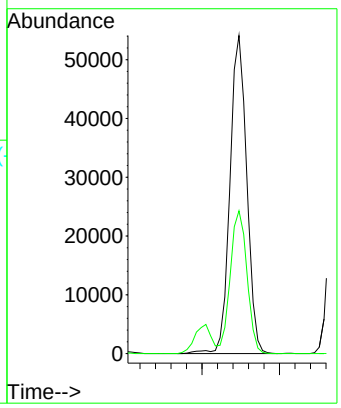
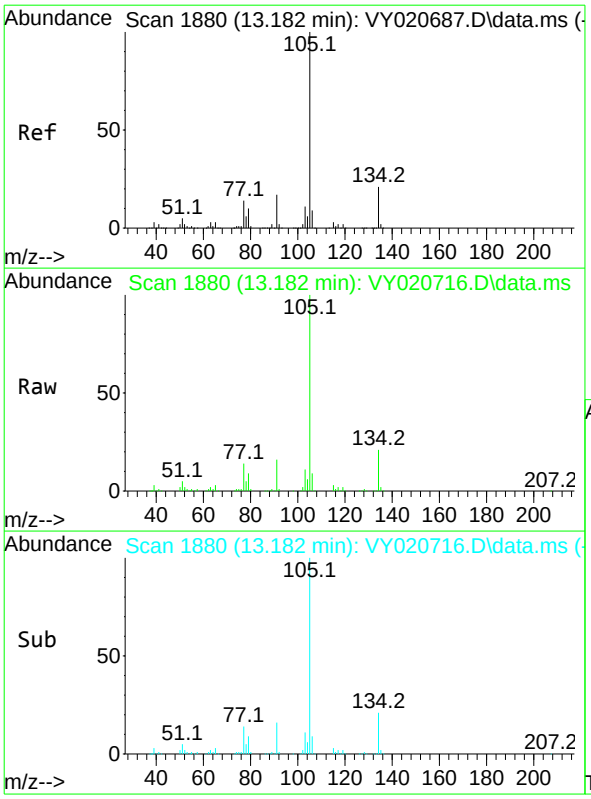


#84
1,2,4-Trimethylbenzene
Concen: 19.695 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:105 Resp: 81496

Ion	Ratio	Lower	Upper
105	100		
120	44.9	21.8	65.3





#85
sec-Butylbenzene
Concen: 19.495 ug/l
RT: 13.182 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:105 Resp: 104334

Ion	Ratio	Lower	Upper
105	100		
134	21.7	10.7	32.1

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

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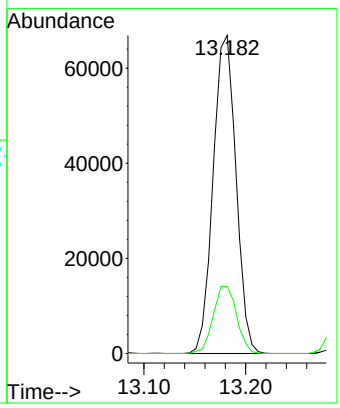
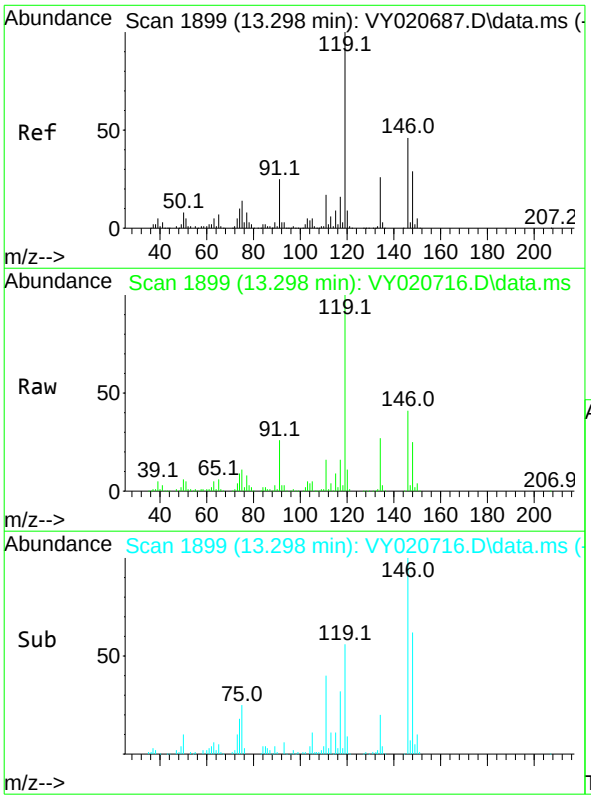
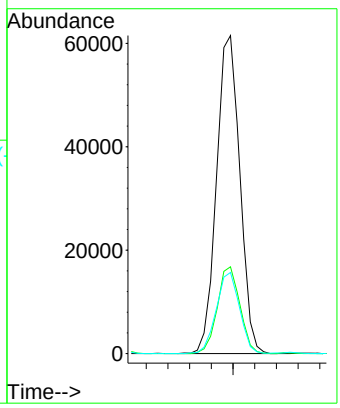


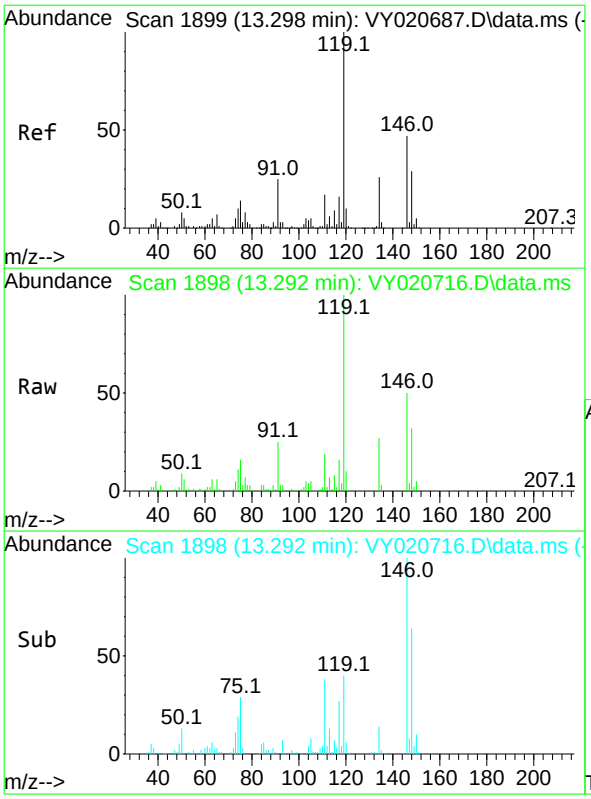


#86
p-Isopropyltoluene
Concen: 19.238 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:119 Resp: 91757

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.4	40.2
91	25.4	12.9	38.6

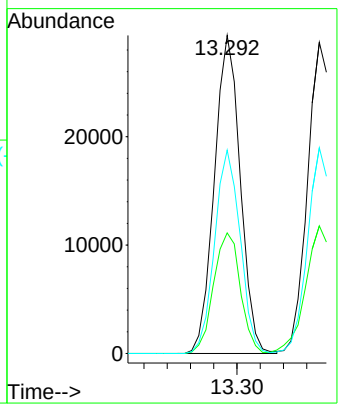




#87
1,3-Dichlorobenzene
Concen: 19.781 ug/l
RT: 13.292 min Scan# 18
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:146 Resp: 45422

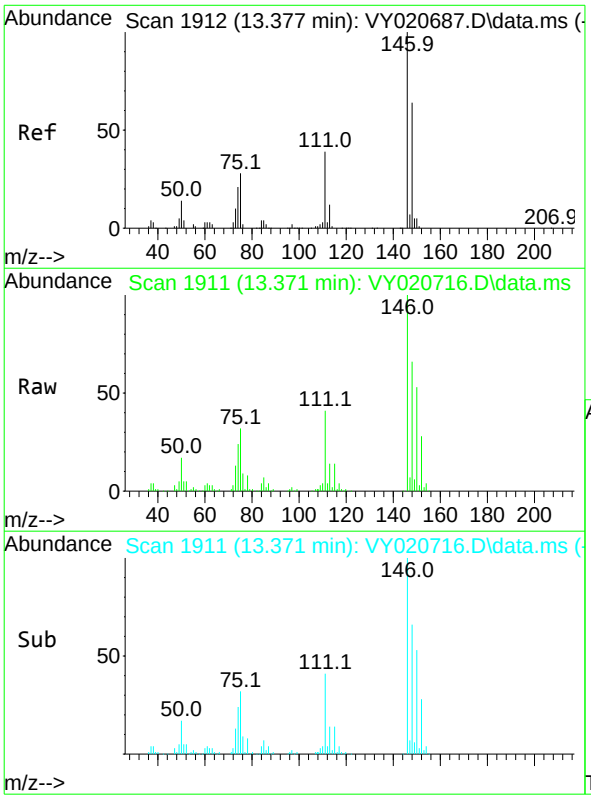
Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.3	57.8
148	63.1	31.1	93.5



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Manual Integrations
APPROVED

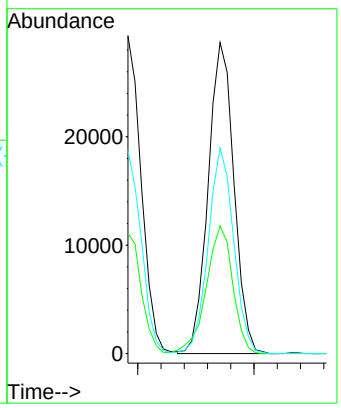
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

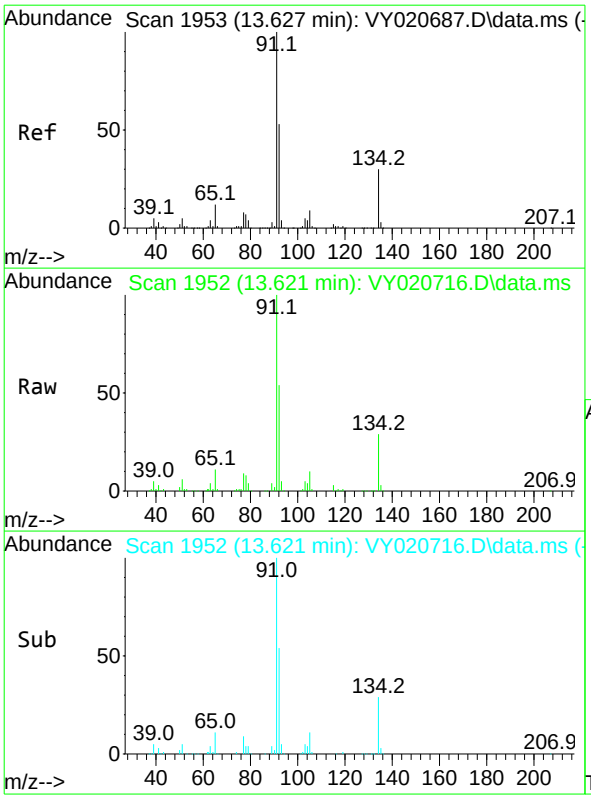


#88
1,4-Dichlorobenzene
Concen: 19.360 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:146 Resp: 44221

Ion	Ratio	Lower	Upper
146	100		
111	42.1	19.7	59.0
148	65.5	32.8	98.3

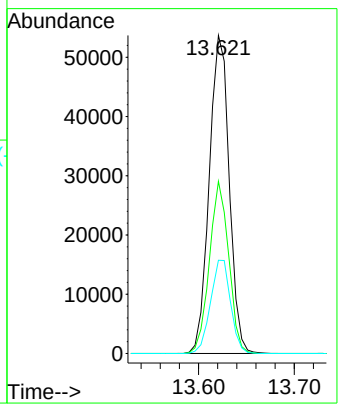




#89
n-Butylbenzene
Concen: 19.544 ug/l
RT: 13.621 min Scan# 19
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 91 Resp: 77813

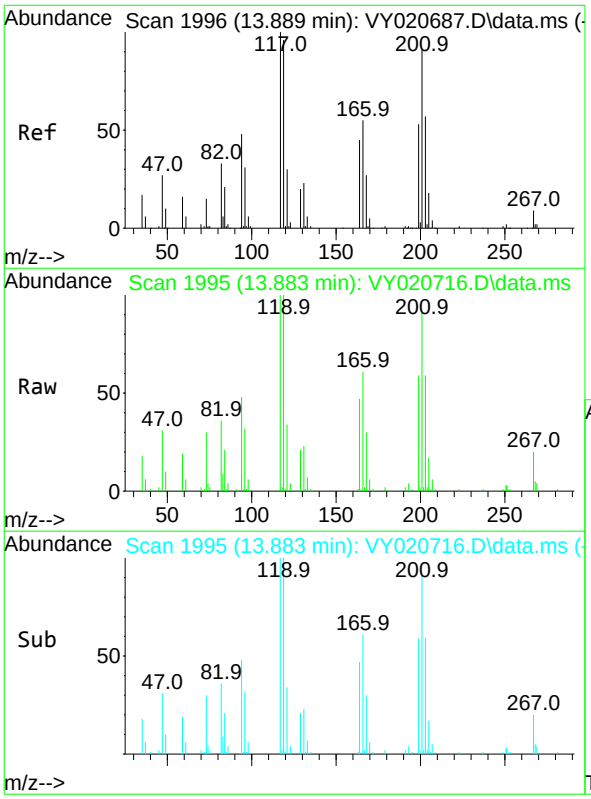
Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.2
134	29.5	14.8	44.4



Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Manual Integrations
APPROVED

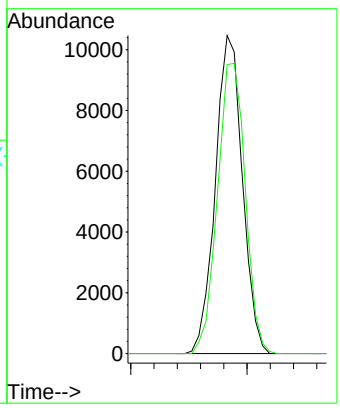
Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

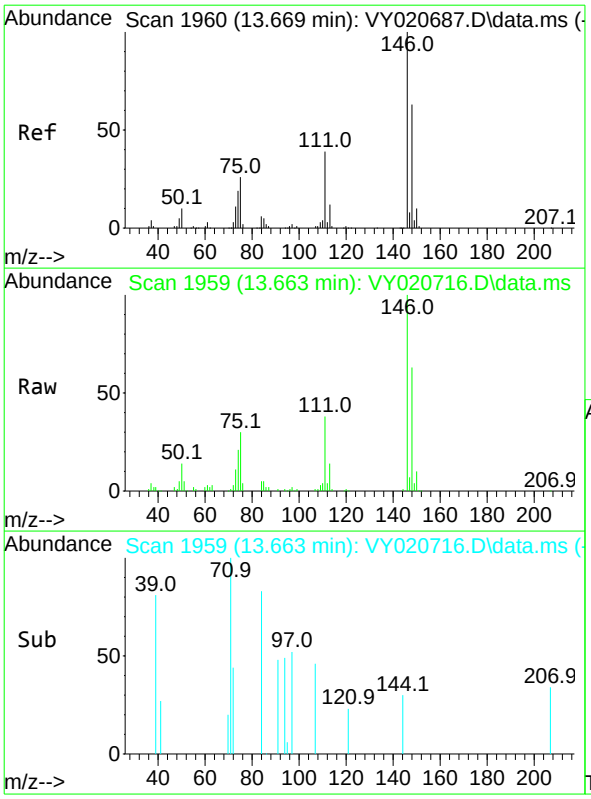


#90
Hexachloroethane
Concen: 18.644 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:117 Resp: 16909

Ion	Ratio	Lower	Upper
117	100		
201	93.8	44.9	134.7





#91
1,2-Dichlorobenzene
Concen: 20.046 ug/l
RT: 13.663 min Scan# 19
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

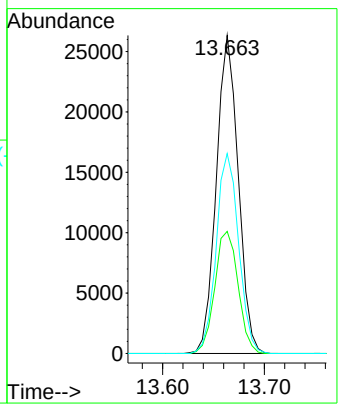
Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

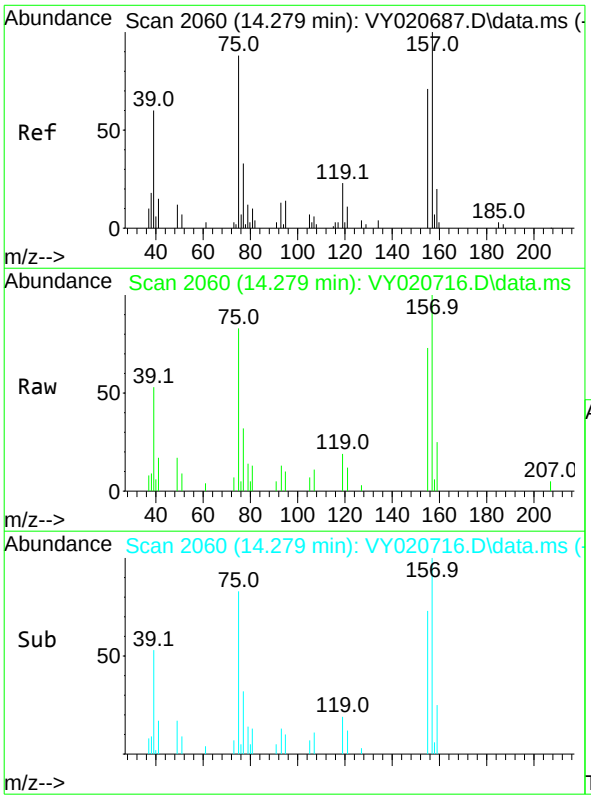
Tgt Ion:146 Resp: 39466

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.8
148	64.3	31.9	95.5

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

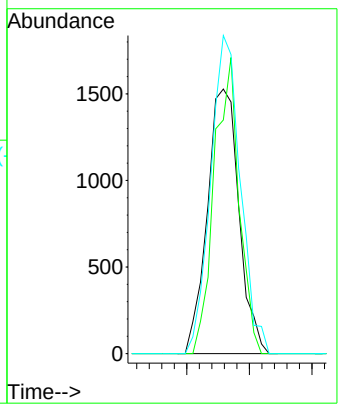


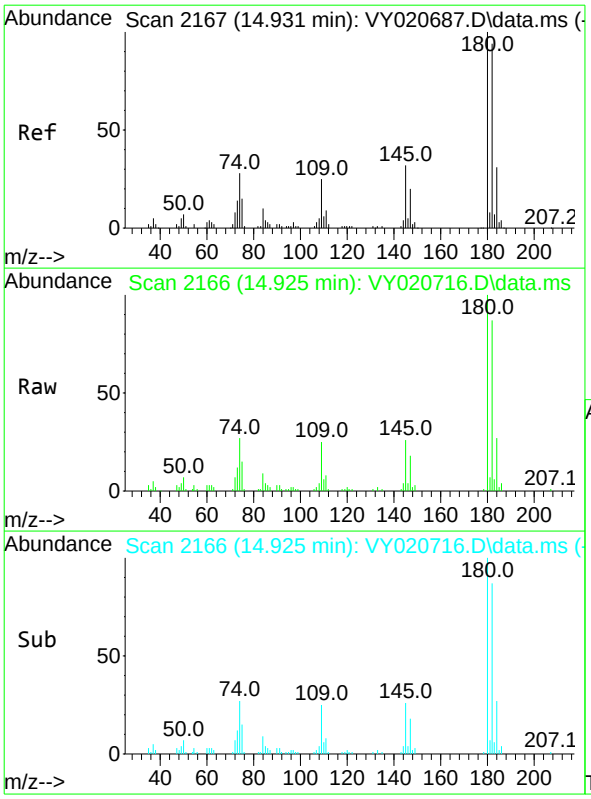


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.198 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 75 Resp: 2690

Ion	Ratio	Lower	Upper
75	100		
155	87.6	43.4	130.2
157	112.9	58.6	175.7





#93
1,2,4-Trichlorobenzene
Concen: 19.888 ug/l
RT: 14.925 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

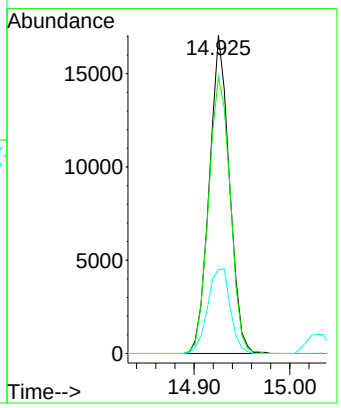
Tgt Ion:180 Resp: 24888

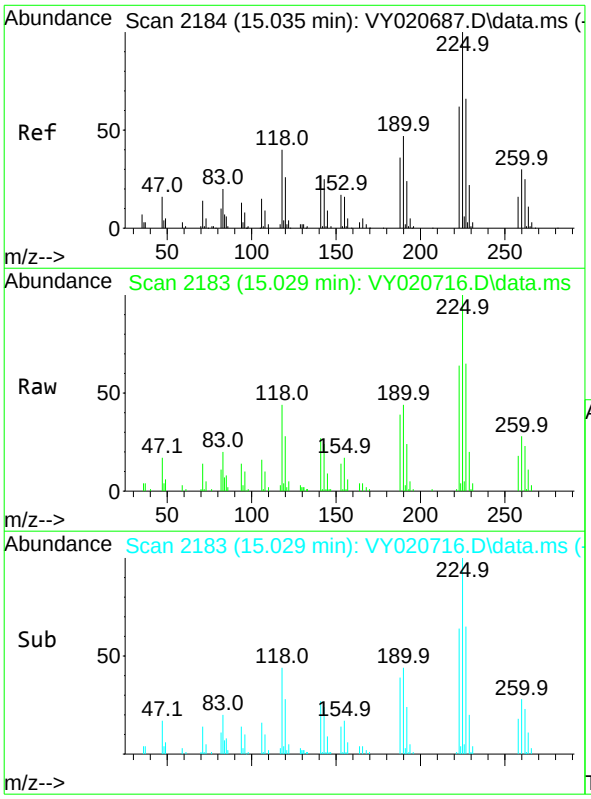
Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.9	143.7
145	30.1	15.6	46.8

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

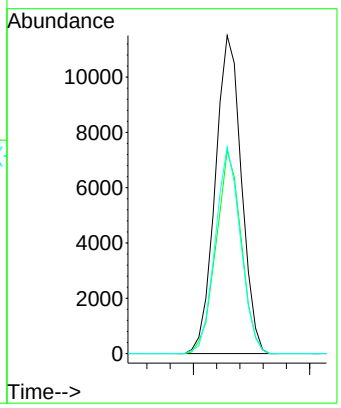


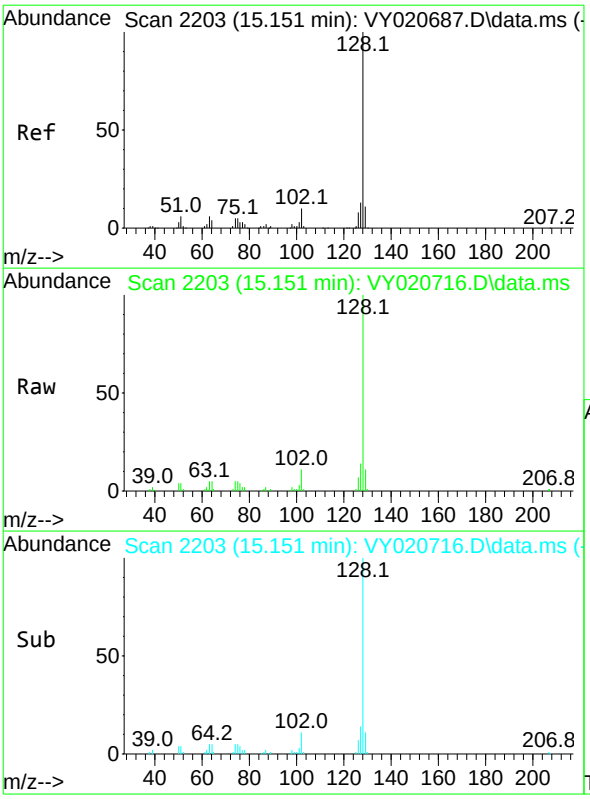


#94
Hexachlorobutadiene
Concen: 19.715 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:225 Resp: 17981

Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.3	93.8
227	62.6	32.1	96.5





#95
Naphthalene
Concen: 19.639 ug/l
RT: 15.151 min Scan# 22
Delta R.T. -0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

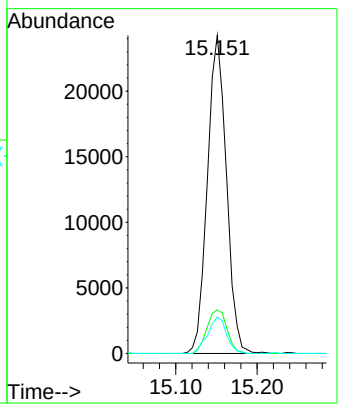
Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

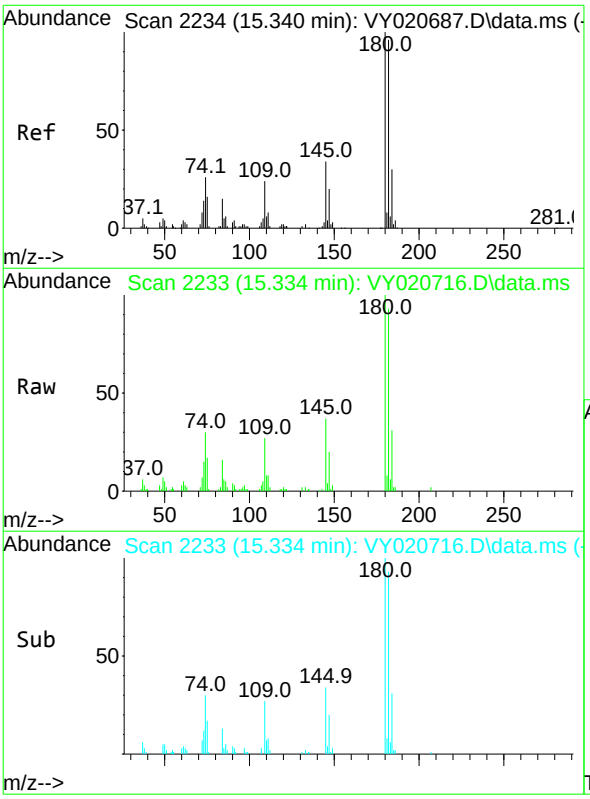
Tgt Ion:128 Resp: 39363

Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.7	16.1
129	11.3	8.6	12.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
Supervised By :Semsettin Yesilyurt 12/27/2024

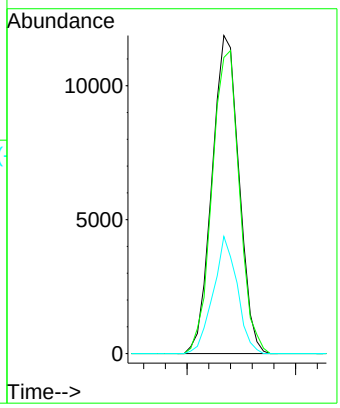




#96
1,2,3-Trichlorobenzene
Concen: 19.681 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:180 Resp: 20507

Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.4	142.2
145	32.8	16.7	50.1



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

Manual Integration Report

Sequence:	VY121724	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC010	VY020613.D	1,2,3-Trichloropropane	MMDadoda	12/18/2024 8:36:29 AM	SAM	12/18/2024 8:50:42 AM	Peak Integrated by Software
VSTDICC020	VY020614.D	1,2,3-Trichloropropane	MMDadoda	12/18/2024 8:36:31 AM	SAM	12/18/2024 8:50:43 AM	Peak Integrated by Software
VSTDICCC050	VY020615.D	1,2,3-Trichloropropane	MMDadoda	12/18/2024 8:36:34 AM	SAM	12/18/2024 8:50:47 AM	Peak Integrated by Software
VSTDICC100	VY020616.D	1,2,3-Trichloropropane	MMDadoda	12/18/2024 8:36:37 AM	SAM	12/18/2024 8:50:48 AM	Peak Integrated by Software
VSTDICC150	VY020617.D	1,2,3-Trichloropropane	MMDadoda	12/18/2024 8:36:38 AM	SAM	12/18/2024 8:50:50 AM	Peak Integrated by Software
VSTDICC005	VY020619.D	1,2,3-Trichloropropane	MMDadoda	12/18/2024 8:36:41 AM	SAM	12/18/2024 8:50:52 AM	Peak Integrated by Software
VSTDICC005	VY020619.D	Methacrylonitrile	MMDadoda	12/18/2024 8:36:41 AM	SAM	12/18/2024 8:50:52 AM	Peak Integrated by Software
VSTDICV050	VY020620.D	1,2,3-Trichloropropane	Romaben	12/18/2024 8:31:07 AM	MMDadoda	12/18/2024 8:36:43 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY122024	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY020664.D	1,2,3-Trichloropropane	SAM	12/23/2024 7:25:18 AM	MMDadoda	12/24/2024 12:28:29 AM	Peak Integrated by Software
VY1220SBS01	VY020666.D	1,2,3-Trichloropropane	SAM	12/23/2024 7:25:19 AM	MMDadoda	12/24/2024 12:28:30 AM	Peak Integrated by Software
P5316-04	VY020672.D	Methylene Chloride	SAM	12/24/2024 12:24:51 AM	MMDadoda	12/24/2024 12:28:33 AM	Peak Integrated by Software
VSTDCCC050	VY020682.D	1,2,3-Trichloropropane	SAM	12/23/2024 7:25:25 AM	MMDadoda	12/24/2024 12:28:35 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY122624	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY020706.D	1,2,3-Trichloropropane	MMDadoda	12/27/2024 9:56:16 AM	SAM	12/27/2024 9:59:40 AM	Peak Integrated by Software
VSTDICC005	VY020706.D	Methylene Chloride	MMDadoda	12/27/2024 9:56:16 AM	SAM	12/27/2024 9:59:40 AM	Peak Integrated by Software
VSTDICC005	VY020706.D	Tert butyl alcohol	MMDadoda	12/27/2024 9:56:16 AM	SAM	12/27/2024 9:59:40 AM	Peak Integrated by Software
VSTDICC010	VY020707.D	1,2,3-Trichloropropane	MMDadoda	12/27/2024 9:56:18 AM	SAM	12/27/2024 9:59:42 AM	Peak Integrated by Software
VSTDICC020	VY020708.D	1,2,3-Trichloropropane	MMDadoda	12/27/2024 9:56:21 AM	SAM	12/27/2024 9:59:45 AM	Peak Integrated by Software
VSTDICCC050	VY020709.D	1,2,3-Trichloropropane	MMDadoda	12/27/2024 9:56:23 AM	SAM	12/27/2024 9:59:47 AM	Peak Integrated by Software
VSTDICC150	VY020710.D	1,2,3-Trichloropropane	MMDadoda	12/27/2024 9:56:26 AM	SAM	12/27/2024 9:59:49 AM	Peak Integrated by Software
VSTDICC100	VY020711.D	1,2,3-Trichloropropane	MMDadoda	12/27/2024 9:56:28 AM	SAM	12/27/2024 9:59:51 AM	Peak Integrated by Software
VSTDICV050	VY020713.D	1,2,3-Trichloropropane	MMDadoda	12/27/2024 9:56:30 AM	SAM	12/27/2024 9:59:53 AM	Peak Integrated by Software
VY1226SBS01	VY020715.D	1,2,3-Trichloropropane	MMDadoda	12/27/2024 9:56:31 AM	SAM	12/27/2024 9:59:55 AM	Peak Integrated by Software
VY1226SBS01	VY020715.D	Methacrylonitrile	MMDadoda	12/27/2024 9:56:31 AM	SAM	12/27/2024 9:59:55 AM	Peak Integrated by Software
VY1226SBSD01	VY020716.D	1,2,3-Trichloropropane	MMDadoda	12/27/2024 9:56:33 AM	SAM	12/27/2024 9:59:56 AM	Peak Integrated by Software
VSTDCCC050	VY020728.D	1,2,3-Trichloropropane	MMDadoda	12/27/2024 9:56:37 AM	SAM	12/27/2024 10:00:00 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY122624	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY121724

Review By	Mahesh Dadoda	Review On	12/18/2024 8:38:34 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/18/2024 8:51:04 AM		
SubDirectory	VY121724	HP Acquire Method		HP Processing Method	82y121724s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132182
Initial Calibration Stds	VP132183,VP132184,VP132185,VP132186,VP132187,VP132188
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP132189
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020611.D	17 Dec 2024 09:00	SY/MD	Ok
2	VSTDICC005	VY020612.D	17 Dec 2024 09:38	SY/MD	Ok
3	VSTDICC010	VY020613.D	17 Dec 2024 10:01	SY/MD	Ok,M
4	VSTDICC020	VY020614.D	17 Dec 2024 10:23	SY/MD	Ok,M
5	VSTDICCC050	VY020615.D	17 Dec 2024 10:51	SY/MD	Ok,M
6	VSTDICC100	VY020616.D	17 Dec 2024 11:14	SY/MD	Ok,M
7	VSTDICC150	VY020617.D	17 Dec 2024 11:37	SY/MD	Ok,M
8	VIBLK	VY020618.D	17 Dec 2024 12:24	SY/MD	Ok
9	VSTDICC005	VY020619.D	17 Dec 2024 14:51	SY/MD	Ok,M
10	VSTDICV050	VY020620.D	17 Dec 2024 17:41	SY/MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY122024

Review By	Semsettin Yesilyurt	Review On	12/23/2024 7:25:27 AM				
Supervise By	Mahesh Dadoda	Supervise On	12/24/2024 12:28:45 AM				
SubDirectory	VY122024	HP Acquire Method	MSVOA_Y	HP Processing Method	82y12022024s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP132264
Initial Calibration Stds	
CCC	VP132265,VP132266
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020663.D	20 Dec 2024 08:37	SY/MD	Ok
2	VSTDCCC050	VY020664.D	20 Dec 2024 09:09	SY/MD	Ok,M
3	VY1220SBL01	VY020665.D	20 Dec 2024 11:24	SY/MD	Ok
4	VY1220SBS01	VY020666.D	20 Dec 2024 13:12	SY/MD	Ok,M
5	VY1220SBSD01	VY020667.D	20 Dec 2024 13:34	SY/MD	Ok,M
6	P5279-03	VY020668.D	20 Dec 2024 14:10	SY/MD	Ok
7	P5316-01	VY020669.D	20 Dec 2024 14:34	SY/MD	ReRun
8	P5316-02	VY020670.D	20 Dec 2024 14:57	SY/MD	ReRun
9	P5316-03	VY020671.D	20 Dec 2024 15:21	SY/MD	ReRun
10	P5316-04	VY020672.D	20 Dec 2024 15:44	SY/MD	ReRun
11	P5343-03	VY020673.D	20 Dec 2024 16:07	SY/MD	Not Ok
12	P5343-01	VY020674.D	20 Dec 2024 16:31	SY/MD	Not Ok
13	P5316-04RE	VY020675.D	20 Dec 2024 16:52	SY/MD	Confirms
14	P5306-01	VY020676.D	20 Dec 2024 17:16	SY/MD	Not Ok
15	P5306-03	VY020677.D	20 Dec 2024 17:39	SY/MD	Ok
16	P5306-05	VY020678.D	20 Dec 2024 18:02	SY/MD	Ok
17	P5306-13RE	VY020679.D	20 Dec 2024 18:26	SY/MD	Confirms
18	P5306-07	VY020680.D	20 Dec 2024 18:49	SY/MD	Ok
19	P5306-09RE	VY020681.D	20 Dec 2024 19:13	SY/MD	Confirms
20	VSTDCCC050	VY020682.D	20 Dec 2024 19:35	SY/MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY122624

Review By	Mahesh Dadoda	Review On	12/27/2024 9:56:45 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	12/27/2024 10:00:03 AM				
SubDirectory	VY122624	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y122624S.M		

STD. NAME	STD REF.#
Tune/Reschk	VP132321
Initial Calibration Stds	VP132326,VP132327,VP132328,VP132329,VP132330,VP132331
CCC	VP132333,VP132334
Internal Standard/PEM	
ICV/I.BLK	VP132332
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020705.D	26 Dec 2024 08:29	SY/MD	Ok
2	VSTDICC005	VY020706.D	26 Dec 2024 09:31	SY/MD	Ok,M
3	VSTDICC010	VY020707.D	26 Dec 2024 09:53	SY/MD	Ok,M
4	VSTDICC020	VY020708.D	26 Dec 2024 10:16	SY/MD	Ok,M
5	VSTDICCC050	VY020709.D	26 Dec 2024 10:39	SY/MD	Ok,M
6	VSTDICC150	VY020710.D	26 Dec 2024 11:01	SY/MD	Ok,M
7	VSTDICC100	VY020711.D	26 Dec 2024 11:51	SY/MD	Ok,M
8	VIBLK	VY020712.D	26 Dec 2024 12:13	SY/MD	Ok
9	VSTDICV050	VY020713.D	26 Dec 2024 12:51	SY/MD	Ok,M
10	VY1226SBL01	VY020714.D	26 Dec 2024 13:56	SY/MD	Ok
11	VY1226SBS01	VY020715.D	26 Dec 2024 14:32	SY/MD	Ok,M
12	VY1226SBSD01	VY020716.D	26 Dec 2024 14:54	SY/MD	Ok,M
13	P5383-01	VY020717.D	26 Dec 2024 15:18	SY/MD	Not Ok
14	P5316-01	VY020718.D	26 Dec 2024 15:41	SY/MD	Ok
15	P5383-01	VY020719.D	26 Dec 2024 16:04	SY/MD	ReRun
16	P5316-02	VY020720.D	26 Dec 2024 16:28	SY/MD	Ok
17	P5383-01	VY020721.D	26 Dec 2024 16:51	SY/MD	Ok
18	P5316-03	VY020722.D	26 Dec 2024 17:15	SY/MD	Ok
19	P5342-01RE	VY020723.D	26 Dec 2024 17:38	SY/MD	Confirms
20	P5342-03RE	VY020724.D	26 Dec 2024 18:01	SY/MD	Confirms
21	P5342-05RE	VY020725.D	26 Dec 2024 18:25	SY/MD	Confirms

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY122624

Review By	Mahesh Dadoda	Review On	12/27/2024 9:56:45 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	12/27/2024 10:00:03 AM				
SubDirectory	VY122624	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y122624S.M		

STD. NAME	STD REF.#
Tune/Reschk	VP132321
Initial Calibration Stds	VP132326,VP132327,VP132328,VP132329,VP132330,VP132331
CCC	VP132333,VP132334
Internal Standard/PEM	
ICV/I.BLK	VP132332
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P5318-01	VY020726.D	26 Dec 2024 18:48	SY/MD	ReRun
23	P5382-01	VY020727.D	26 Dec 2024 19:12	SY/MD	Ok
24	VSTDCCC050	VY020728.D	26 Dec 2024 19:34	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY121724

Review By	Mahesh Dadoda	Review On	12/18/2024 8:38:34 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/18/2024 8:51:04 AM		
SubDirectory	VY121724	HP Acquire Method		HP Processing Method	82y121724s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132182
Initial Calibration Stds	VP132183,VP132184,VP132185,VP132186,VP132187,VP132188
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP132189
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020611.D	17 Dec 2024 09:00		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY020612.D	17 Dec 2024 09:38		SY/MD	Ok
3	VSTDICC010	VSTDICC010	VY020613.D	17 Dec 2024 10:01	Com #16,30 on LR	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY020614.D	17 Dec 2024 10:23	Com #11 on QR	SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY020615.D	17 Dec 2024 10:51	Com #13 fail for method	SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY020616.D	17 Dec 2024 11:14		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY020617.D	17 Dec 2024 11:37		SY/MD	Ok,M
8	VIBLK	VIBLK	VY020618.D	17 Dec 2024 12:24		SY/MD	Ok
9	VSTDICC005	VSTDICC005	VY020619.D	17 Dec 2024 14:51	%D fail for com #11	SY/MD	Ok,M
10	VSTDICV050	ICVVY121724	VY020620.D	17 Dec 2024 17:41	ICV fail for com #11,16	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY122024

Review By	Semsettin Yesilyurt	Review On	12/23/2024 7:25:27 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/24/2024 12:28:45 AM		
SubDirectory	VY122024	HP Acquire Method	MSVOA_Y	HP Processing Method	82y12022024s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132264
Initial Calibration Stds	
CCC	VP132265,VP132266
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020663.D	20 Dec 2024 08:37		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY020664.D	20 Dec 2024 09:09		SY/MD	Ok,M
3	VY1220SBL01	VY1220SBL01	VY020665.D	20 Dec 2024 11:24		SY/MD	Ok
4	VY1220SBS01	VY1220SBS01	VY020666.D	20 Dec 2024 13:12		SY/MD	Ok,M
5	VY1220SBSD01	VY1220SBSD01	VY020667.D	20 Dec 2024 13:34		SY/MD	Ok,M
6	P5279-03	ROCKAWAY-PARK	VY020668.D	20 Dec 2024 14:10	vial-B	SY/MD	Ok
7	P5316-01	TT-304-IDWSO-202412	VY020669.D	20 Dec 2024 14:34	vial-A Surrogate Fail	SY/MD	ReRun
8	P5316-02	TT-304-IDWSO-202412	VY020670.D	20 Dec 2024 14:57	vial-A Surrogate Fail	SY/MD	ReRun
9	P5316-03	TT-304-IDWSO-202412	VY020671.D	20 Dec 2024 15:21	vial-A Surrogate Fail	SY/MD	ReRun
10	P5316-04	TT-304-IDWSO-202412	VY020672.D	20 Dec 2024 15:44	vial-A Internal Standard and Surrogate Fail	SY/MD	ReRun
11	P5343-03	VNJ281	VY020673.D	20 Dec 2024 16:07	vial-A Not purged	SY/MD	Not Ok
12	P5343-01	VNJ210	VY020674.D	20 Dec 2024 16:31	vial-B Not purged	SY/MD	Not Ok
13	P5316-04RE	TT-304-IDWSO-202412	VY020675.D	20 Dec 2024 16:52	vial-B Surrogate Fail	SY/MD	Confirms
14	P5306-01	OU4-VSL-07-121224	VY020676.D	20 Dec 2024 17:16	vial-B NOT PURGE	SY/MD	Not Ok
15	P5306-03	OU4-VSL-08-121224	VY020677.D	20 Dec 2024 17:39	vial-B Surrogate Fail	SY/MD	Ok
16	P5306-05	OU4-VSL-09-121224	VY020678.D	20 Dec 2024 18:02	vial-B	SY/MD	Ok
17	P5306-13RE	OU4-VSL-13-121224RE	VY020679.D	20 Dec 2024 18:26	vial-B Surrogate Fail;Internal Standard Fail	SY/MD	Confirms

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY122024

Review By	Semsettin Yesilyurt	Review On	12/23/2024 7:25:27 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/24/2024 12:28:45 AM		
SubDirectory	VY122024	HP Acquire Method	MSVOA_Y	HP Processing Method	82y12022024s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132264
Initial Calibration Stds	
CCC	VP132265,VP132266
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P5306-07	OU4-VSL-10-121224	VY020680.D	20 Dec 2024 18:49	vial-B	SY/MD	Ok
19	P5306-09RE	OU4-VSL-11-121224RE	VY020681.D	20 Dec 2024 19:13	vial-B Surrogate Fail;Internal Standard Fail	SY/MD	Confirms
20	VSTDCCC050	VSTDCCC050EC	VY020682.D	20 Dec 2024 19:35		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY122624

Review By	Mahesh Dadoda	Review On	12/27/2024 9:56:45 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/27/2024 10:00:03 AM		
SubDirectory	VY122624	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y122624S.M

STD. NAME	STD REF.#
Tune/Reschk	VP132321
Initial Calibration Stds	VP132326,VP132327,VP132328,VP132329,VP132330,VP132331
CCC	VP132333,VP132334
Internal Standard/PEM	
ICV/I.BLK	VP132332
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020705.D	26 Dec 2024 08:29		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY020706.D	26 Dec 2024 09:31	Fail for acroline	SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY020707.D	26 Dec 2024 09:53	LR-11,50	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY020708.D	26 Dec 2024 10:16		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY020709.D	26 Dec 2024 10:39		SY/MD	Ok,M
6	VSTDICC150	VSTDICC150	VY020710.D	26 Dec 2024 11:01		SY/MD	Ok,M
7	VSTDICC100	VSTDICC100	VY020711.D	26 Dec 2024 11:51		SY/MD	Ok,M
8	VIBLK	VIBLK	VY020712.D	26 Dec 2024 12:13		SY/MD	Ok
9	VSTDICV050	ICVVY122624	VY020713.D	26 Dec 2024 12:51		SY/MD	Ok,M
10	VY1226SBL01	VY1226SBL01	VY020714.D	26 Dec 2024 13:56		SY/MD	Ok
11	VY1226SBS01	VY1226SBS01	VY020715.D	26 Dec 2024 14:32		SY/MD	Ok,M
12	VY1226SBSD01	VY1226SBSD01	VY020716.D	26 Dec 2024 14:54		SY/MD	Ok,M
13	P5383-01	OK-02-12232024	VY020717.D	26 Dec 2024 15:18	Not purged,wrong purge	SY/MD	Not Ok
14	P5316-01	TT-304-IDWSO-202412	VY020718.D	26 Dec 2024 15:41	vial B	SY/MD	Ok
15	P5383-01	OK-02-12232024	VY020719.D	26 Dec 2024 16:04	ISTD Fail.vial B	SY/MD	ReRun
16	P5316-02	TT-304-IDWSO-202412	VY020720.D	26 Dec 2024 16:28	vial B	SY/MD	Ok
17	P5383-01	OK-02-12232024	VY020721.D	26 Dec 2024 16:51	vial A	SY/MD	Ok
18	P5316-03	TT-304-IDWSO-202412	VY020722.D	26 Dec 2024 17:15	vial B	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY122624

Review By	Mahesh Dadoda	Review On	12/27/2024 9:56:45 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/27/2024 10:00:03 AM		
SubDirectory	VY122624	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y122624S.M

STD. NAME	STD REF.#
Tune/Reschk	VP132321
Initial Calibration Stds	VP132326,VP132327,VP132328,VP132329,VP132330,VP132331
CCC	VP132333,VP132334
Internal Standard/PEM	
ICV/I.BLK	VP132332
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P5342-01RE	CHRT26634RE	VY020723.D	26 Dec 2024 17:38	Internal Standard Fail ;Surrogate fail,vial B	SY/MD	Confirms
20	P5342-03RE	HT2651RE	VY020724.D	26 Dec 2024 18:01	Internal Standard Fail,surrogate fail,vial B	SY/MD	Confirms
21	P5342-05RE	RB21198RE	VY020725.D	26 Dec 2024 18:25	Internal Standard Fail,vial B	SY/MD	Confirms
22	P5318-01	AU-06-122024	VY020726.D	26 Dec 2024 18:48	Internal Standard Fail,vial A	SY/MD	ReRun
23	P5382-01	COMP-1	VY020727.D	26 Dec 2024 19:12	vial A	SY/MD	Ok
24	VSTDCCC050	VSTDCCC050EC	VY020728.D	26 Dec 2024 19:34		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/19/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 12/18/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 12/19/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133993

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P5316-01	TT-304-IDWSO-20241217-1	1	1.15	8.64	9.79	7.08	68.6	
P5316-02	TT-304-IDWSO-20241217-2	2	1.19	8.62	9.81	7.6	74.4	
P5316-03	TT-304-IDWSO-20241217-3	3	1.16	8.82	9.98	8.11	78.8	
P5316-04	TT-304-IDWSO-20241217-4	4	1.16	8.58	9.74	7.36	72.3	
P5321-01	SS055P-SD06-121324-00	5	1.16	8.61	9.77	7.14	69.5	
P5321-02	SS050P-SD21-121324-00	6	1.13	8.85	9.98	8.23	80.2	
P5321-03	SS050P-SD22-121724-00	7	1.18	8.77	9.95	8.25	80.6	
P5321-04	SS050P-SD20-121724-00	8	1.14	8.82	9.96	6.56	61.5	
P5330-01	TP-5	9	1.17	8.54	9.71	9.33	95.6	
P5330-02	TP-5-EPH	10	1.11	8.78	9.89	9.5	95.6	
P5330-03	TP-5-VOC	11	1.19	8.61	9.8	9.44	95.8	
P5337-01	ETGI-357	24	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P5338-01	USED-OIL-DEBRIS	25	1.00	1.00	2.00	2.00	100.0	oily-debris
P5338-02	USED-MOBILE-TRANSFORMER-OIL	26	1.00	1.00	2.00	2.00	100.0	oil sample
P5339-01	TR-06-12182024	27	1.16	8.77	9.93	8.74	86.4	
P5339-02	TR-06-12182024-E2	28	1.17	8.82	9.99	9.19	90.9	
P5341-02	STORMWATER-SOLID-COMP	12	1.15	8.81	9.96	5.91	54.0	sludge sample
P5342-01	CHRT26634	13	1.14	8.40	9.54	7.05	70.4	
P5342-02	CHRT26634-E2	14	1.16	8.75	9.91	7.00	66.7	
P5342-03	HT2651	15	1.16	8.75	9.91	8.91	88.6	
P5342-04	HT2651-E2	16	1.19	8.50	9.69	8.82	89.8	
P5342-05	RB21198	17	1.17	8.80	9.97	8.09	78.6	
P5342-06	RB21198-E2	18	1.12	8.87	9.99	7.66	73.7	
P5343-01	VNJ210	19	1.14	8.63	9.77	8.08	80.4	
P5343-02	VNJ210-E2	20	1.15	8.81	9.96	8.9	88.0	
P5343-03	VNJ281	21	1.17	8.53	9.7	8.55	86.5	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/19/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 12/18/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 12/19/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133993

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P5343-04	VNJ281-E2	22	1.13	8.72	9.85	8.83	88.3	
P5343-05	OILY-RAGS-274	23	1.14	8.58	9.72	9.22	94.2	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 133993

WorkList Name : %1-121824 **WorkList ID :** 186438 **Department :** Wet-Chemistry **Date :** 12-18-2024 12:12:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5316-01	TT-304-IDWSO-20241217-1	Solid	Percent Solids	Cool 4 deg C	TETR06	L51	12/17/2024	Chemtech -SO
P5316-02	TT-304-IDWSO-20241217-2	Solid	Percent Solids	Cool 4 deg C	TETR06	L51	12/17/2024	Chemtech -SO
P5316-03	TT-304-IDWSO-20241217-3	Solid	Percent Solids	Cool 4 deg C	TETR06	L51	12/17/2024	Chemtech -SO
P5316-04	TT-304-IDWSO-20241217-4	Solid	Percent Solids	Cool 4 deg C	TETR06	L51	12/17/2024	Chemtech -SO
P5321-01	SS055P-SD06-121324-00	Solid	Percent Solids	Cool 4 deg C	TETR06	L51	12/17/2024	Chemtech -SO
P5321-02	SS050P-SD21-121324-00	Solid	Percent Solids	Cool 4 deg C	WEST04	L41	12/13/2024	Chemtech -SO
P5321-03	SS050P-SD22-121724-00	Solid	Percent Solids	Cool 4 deg C	WEST04	L41	12/13/2024	Chemtech -SO
P5321-04	SS050P-SD20-121724-00	Solid	Percent Solids	Cool 4 deg C	WEST04	L41	12/17/2024	Chemtech -SO
P5330-01	TP-5	Solid	Percent Solids	Cool 4 deg C	WEST04	L41	12/17/2024	Chemtech -SO
P5330-02	TP-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	12/18/2024	Chemtech -SO
P5330-03	TP-5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	12/18/2024	Chemtech -SO
P5337-01	ETGI-357	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	12/18/2024	Chemtech -SO
P5338-01	USED-OIL-DEBRIS	Solid	Percent Solids	Cool 4 deg C	PSEG03	N11	12/18/2024	Chemtech -SO
P5338-02	USED-MOBILE-TRANSFORME	Solid	Percent Solids	Cool 4 deg C	PSEG03	N11	12/18/2024	Chemtech -SO
P5339-01	TR-06-12182024	Solid	Percent Solids	Cool 4 deg C	PSEG03	N11	12/18/2024	Chemtech -SO
P5339-02	TR-06-12182024-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N12	12/18/2024	Chemtech -SO
P5341-02	STORMWATER-SOLID-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG05	N12	12/18/2024	Chemtech -SO
P5342-01	CHRT26634	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	12/18/2024	Chemtech -SO
P5342-02	CHRT26634-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	12/18/2024	Chemtech -SO
P5342-03	HT2651	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	12/18/2024	Chemtech -SO
P5342-04	HT2651-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	12/18/2024	Chemtech -SO

Date/Time 12-18-24 16:30

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

Date/Time 12-18-24 17:40

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

WORKLIST(Hardcopy Internal Chain)

VB 133993

WorkList Name : %1-121824 **WorkList ID :** 186438 **Department :** Wet-Chemistry **Date :** 12-18-2024 12:12:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5342-05	RB21198	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	12/18/2024	Chemtech -SO
P5342-06	RB21198-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	12/18/2024	Chemtech -SO
P5343-01	VNJ210	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	12/18/2024	Chemtech -SO
P5343-02	VNJ210-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	12/18/2024	Chemtech -SO
P5343-03	VNJ281	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	12/18/2024	Chemtech -SO
P5343-04	VNJ281-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	12/18/2024	Chemtech -SO
P5343-05	OILY-RAGS-274	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	12/18/2024	Chemtech -SO

Date/Time 12-18-24 16:30
Raw Sample Received by: JB WC
Raw Sample Relinquished by: CP SM

Date/Time 12-18-24 17:40
Raw Sample Received by: CP SM
Raw Sample Relinquished by: JB WC

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

Prep Standard - Chemical Standard Summary

Order ID : P5316

Test : VOCMS Group4

Prepbatch ID :

Sequence ID/Qc Batch ID: VY122024,VY122624,

Standard ID :
VP129195,VP130432,VP130434,VP130435,VP131767,VP131783,VP131864,VP131865,VP131985,VP131987,VP131988,VP131989,VP131990,VP132005,VP132006,VP132007,VP132008,VP132035,VP132036,VP132037,VP132038,VP132097,VP132098,VP132099,VP132101,VP132102,VP132264,VP132265,VP132266,VP132321,VP132326,VP132327,VP132328,VP132329,VP132330,VP132331,VP132332,VP132333,VP132334,

Chemical ID :
V12966,V13391,V13445,V13449,V13465,V13466,V13582,V13707,V13806,V13820,V13918,V14020,V14021,V14096,V14105,V14106,V14125,V14143,V14145,V14152,V14154,V14173,V14174,V14178,V14192,V14194,V14201,V14289,V14424,V14434,V14437,V14461,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
262	8260 Working STD (BCM)-Second source, 100PPM	VP129195	07/22/2024	01/22/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/26/2024

FROM 1.00000ml of V12966 + 9.00000ml of V14143 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
249	8260 Surrogate, 100PPM	VP130432	09/20/2024	02/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/26/2024

FROM 0.10000ml of V13707 + 24.90000ml of V14145 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1738	8260 surrogate 20 ppm	VP130434	09/20/2024	02/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 10/02/2024

FROM 0.02000ml of V13707 + 24.99000ml of V14145 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
250	8260 Surrogate, 10PPM	VP130435	09/20/2024	02/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 10/02/2024

FROM 9.00000ml of V14145 + 1.00000ml of VP130432 = Final Quantity: 10.000 ml

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VOC STANDARD PREPARATION LOG

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1917	8260 Internal standard 50 ppm	VP131783	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2024

FROM 0.02000ml of V14289 + 9.98000ml of V14154 = Final Quantity: 10.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
259	8260 Calibration Working STD Mix-Second source, 160PPM	VP131864	12/02/2024	01/11/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/03/2024

FROM 0.16000ml of V13449 + 0.80000ml of V13820 + 0.80000ml of V14096 + 0.80000ml of V14125 + 0.80000ml of V14178 + 0.80000ml of V14424 + 1.60000ml of V13918 + 4.24000ml of V14461 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
260	8260 Calibration Working STD Mix-Second source, 100PPM	VP131865	12/02/2024	01/11/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/03/2024

FROM 1.87500ml of V14461 + 3.12500ml of VP131864 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
264	8260 Working STD (Acrolein)-Second source, 500PPM	VP131985	12/06/2024	01/04/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/24/2024

FROM 1.87500ml of V14152 = Final Quantity: 5.000 ml

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

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
56	8260 Working STD (Acrolein) -first source, 500PPM	VP131988	12/06/2024	01/05/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 5.62500ml of V14152 + 9.37500ml of VP131987 = Final Quantity: 15.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
180	8260 Working STD (Acrolein)-First source, 100PPM	VP131989	12/06/2024	01/05/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 17.50000ml of V14152 + 2.50000ml of VP131987 = Final Quantity: 20.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
181	8260 Working STD (Acrolein)-First source, 50PPM	VP131990	12/06/2024	01/05/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 9.37500ml of V14152 + 0.62500ml of VP131987 = Final Quantity: 10.000 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
244	8260 Calibration Working STD Mix-First source, 100PPM	VP132006	12/09/2024	01/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 5.62500ml of V14152 + 9.37500ml of VP132005 = Final Quantity: 15.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
245	8260 Calibration Working STD Mix-First source, 20PPM	VP132007	12/09/2024	01/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 17.50000ml of V14152 + 2.50000ml of VP132005 = Final Quantity: 20.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
246	8260 Calibration Working STD Mix-First source, 10PPM	VP132008	12/09/2024	01/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 9.37500ml of V14152 + 0.62500ml of VP132005 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP132035	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 1.00000ml of V14630 + 1.00000ml of V14631 + 1.00000ml of V14632 + 1.00000ml of V14633 + 46.00000ml of V14614 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1811	8260 Working Std(2-CVE)-500ppm	VP132036	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 7.50000ml of V14614 + 12.50000ml of VP132035 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1812	8260 Working Std(2-CVE)-100ppm	VP132037	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 0.25000ml of V14633 + 24.75000ml of V14614 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1813	8260 Working Std(2-CVE)-50ppm	VP132038	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 20.00000ml of V14614 + 1.25000ml of VP132035 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
253	8260 Working STD (BCM)-First source, 20PPM	VP132097	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 0.50000ml of V13466 + 49.50000ml of V14614 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
252	8260 Working STD (BCM)-First source, 100PPM	VP132098	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 1.25000ml of V13466 + 23.75000ml of V14614 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
254	8260 Working STD (BCM)-First source, 10PPM	VP132099	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 0.05000ml of V13465 + 9.95000ml of V14614 = Final Quantity: 10.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1817	8260 Working Std(2-CVE)-SS, 800ppm	VP132101	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 0.80000ml of V13582 + 9.20000ml of V14614 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1819	8260 Working Std(2-CVE)-SS, 500ppm	VP132102	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 1.87500ml of V14614 + 3.12500ml of VP132101 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
732	BFB TUNE CHECK - SOIL	VP132264	12/20/2024	12/21/2024	Romaben Patel	None	None	Mahesh Dadoda 12/23/2024

FROM 4.99800ml of W3112 + 0.00200ml of VP131767 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP132265	12/20/2024	12/21/2024	Romaben Patel	None	None	Mahesh Dadoda 12/23/2024

FROM 4.98000ml of W3112 + 0.00250ml of VP130432 + 0.00250ml of VP131988 + 0.00250ml of VP132006 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP132266	12/20/2024	12/21/2024	Romaben Patel	None	None	Mahesh Dadoda 12/23/2024

FROM 4.98000ml of W3112 + 0.00250ml of VP130432 + 0.00250ml of VP131988 + 0.00250ml of VP132006 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
732	BFB TUNE CHECK - SOIL	VP132321	12/26/2024	12/27/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/27/2024

FROM 4.99800ml of W3112 + 0.00200ml of VP131767 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
267	5 PPB ICC, 8260-SOIL	VP132326	12/26/2024	12/27/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/27/2024

FROM 4.98000ml of W3112 + 0.00250ml of VP130435 + 0.00250ml of VP131990 + 0.00250ml of VP132008 + 0.00250ml of VP132038 + 0.00250ml of VP132099 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
269	10 PPB ICC, 8260-SOIL	VP132327	12/26/2024	12/27/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/27/2024

FROM 4.98000ml of W3112 + 0.00250ml of VP130434 + 0.00250ml of VP131989 + 0.00250ml of VP132007 + 0.00250ml of VP132037 + 0.00250ml of VP132097 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
270	20 PPB ICC, 8260-SOIL	VP132328	12/26/2024	12/27/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/27/2024

FROM 4.96500ml of W3112 + 0.00500ml of VP130434 + 0.00500ml of VP131783 + 0.00500ml of VP131989 + 0.00500ml of VP132007 + 0.00500ml of VP132037 + 0.00500ml of VP132097 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
273	50 PPB ICC, 8260-SOIL	VP132329	12/26/2024	12/27/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/27/2024

FROM 4.98000ml of W3112 + 0.00250ml of VP130432 + 0.00250ml of VP131988 + 0.00250ml of VP132006 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
280	100 PPB ICC, 8260-SOIL	VP132330	12/26/2024	12/27/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/27/2024

FROM 4.96500ml of W3112 + 0.00500ml of VP130432 + 0.00500ml of VP131783 + 0.00500ml of VP131988 + 0.00500ml of VP132006 + 0.00500ml of VP132036 + 0.00500ml of VP132098 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1653	150 PPB ICC,8260-SOIL	VP132331	12/26/2024	12/27/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/27/2024

FROM 4.95000ml of W3112 + 0.00500ml of VP131783 + 0.00750ml of VP130432 + 0.00750ml of VP131988 + 0.00750ml of VP132006 + 0.00750ml of VP132036 + 0.00750ml of VP132098 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
287	50 PPB ICV, 8260-SOIL	VP132332	12/26/2024	12/27/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/27/2024

FROM 4.98000ml of W3112 + 0.00250ml of VP129195 + 0.00250ml of VP130432 + 0.00250ml of VP131865 + 0.00250ml of VP131985 + 0.00250ml of VP132102 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP132333	12/26/2024	12/27/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/27/2024

FROM 4.98000ml of W3112 + 0.00250ml of VP130432 + 0.00250ml of VP131988 + 0.00250ml of VP132006 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP132334	12/26/2024	12/27/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/27/2024

FROM 4.98000ml of W3112 + 0.00250ml of VP130432 + 0.00250ml of VP131988 + 0.00250ml of VP132006 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	70046 / Bromochloromethane Std. sol/methanol 1000ppm	070122	01/22/2025	07/22/2024 / SAM	07/06/2022 / SAM	V12966

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	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0191703	06/02/2025	12/02/2024 / SAM	01/23/2023 / SAM	V13449

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13465

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13466

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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.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	111722	11/17/2025	12/12/2024 / SAM	01/30/2023 / SAM	V13582

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	06/10/2025	06/10/2024 / SAM	04/12/2023 / SAM	V13707

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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 #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0197644	04/14/2025	10/14/2024 / SAM	05/31/2023 / SAM	V13820

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	A0193887	04/17/2025	10/17/2024 / SAM	07/24/2023 / SAM	V13918

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	A0205177	03/04/2025	09/04/2024 / SAM	12/22/2023 / SAM	V14096

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 #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	011624	04/17/2025	10/17/2024 / SAM	01/17/2024 / SAM	V14125

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	01/22/2025	07/22/2024 / SAM	02/06/2024 / SAM	V14143

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	02/28/2025	08/29/2024 / SAM	02/06/2024 / SAM	V14145

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	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

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 #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021524	04/17/2025	10/17/2024 / SAM	02/20/2024 / SAM	V14178

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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	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	11/22/2025	11/22/2024 / SAM	04/15/2024 / SAM	V14289

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0205013	06/02/2025	12/02/2024 / SAM	08/15/2024 / SAM	V14424

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

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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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	05/26/2025	11/26/2024 / pedro	08/16/2024 / SAM	V14461

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	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

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 Bottles

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier

Jamie Ethier
Vice President Global Quality

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

12

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

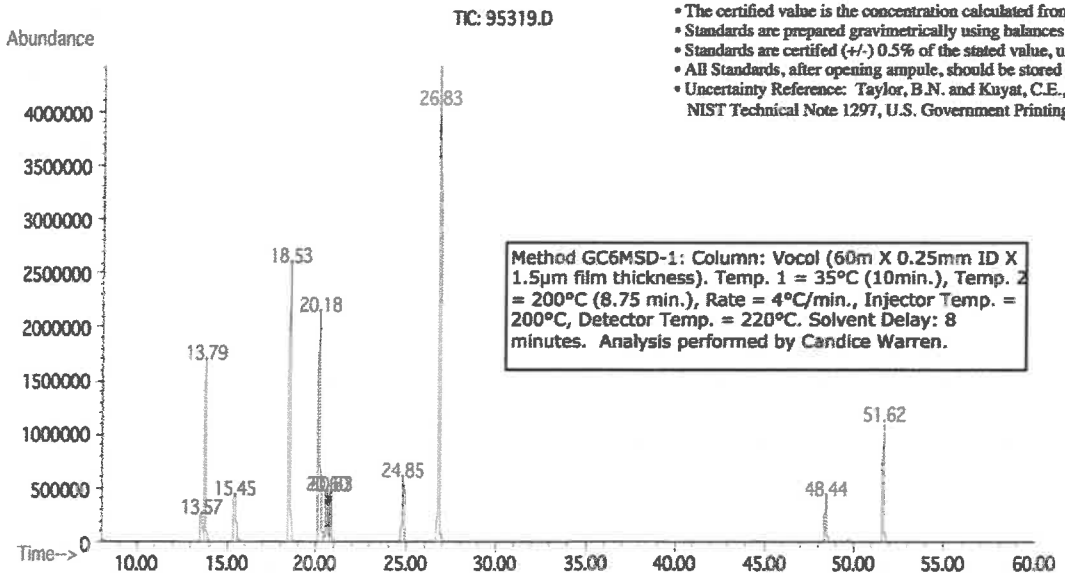
Part Number: 95319
Lot Number: 011624
Description: Revised Additions Mix
11 components
Expiration Date: 011627
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Solvent(s): Methanol Lot# EH471-US

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

Formulated By:	Prashant Chauhan	011624 DATE
Reviewed By:	Pedro L. Rentas	011624 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	1.01035	1.01080	10004.4	40.6	107-13-1	N/A	ori-rat 78 mg/kg
2. 1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20007	0.20035	2002.8	8.1	109-69-3	N/A	ori-rat 2670mg/kg
3. Cyclohexane	1023	28930	2000	99	0.2	0.20207	0.20222	2001.5	8.2	110-82-7	300 ppm (1050mg/m3/8H)	ori-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20207	0.20227	2002.0	8.2	108-20-3	500 ppm (2100mg/m3/8H)	ori-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04142	4.04213	40007.0	162.5	123-91-1	25 ppm (90mg/m3/8H)(skin)	ori-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20207	0.20221	2001.4	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	ori-gpg 4970mg/kg
7. Methylcyclohexane	1627	SHBG0199V	2000	99	0.2	0.20207	0.20230	2002.3	8.2	108-87-2	N/A	ori-mus 2250mg/kg
8. Methyl tert-butyl ether (MTBE)	209	21880	2000	99	0.2	0.20207	0.20227	2002.0	8.2	1634-04-4	N/A	ori-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02071	2.02150	20007.8	81.3	107-12-0	N/A	ori-rat 39mg/kg
10. Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00125	1.00200	10007.5	40.3	109-99-9	20 ppm (590mg/m3/8H)	ori-rat 1650mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21511	0.21522	2001.0	8.7	488-23-3	N/A	ori-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

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021524
Description: Universal VOA Megamix
69 components
Expiration Date: 021527
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 8UTB

Solvent(s): Methanol Lot# EG359-USQ12

Formulated By: Mario Luis 021524 DATE

Reviewed By: Pedro L. Rentas 021524 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 5E-05 Balance Uncertainty 0.021 Flask Uncertainty

	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expended 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	0.20022	2001.5	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	0.20222	2001.5	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	0.20020	2001.3	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	0.21060	2000.2	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	0.20734	2000.3	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS000(	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20042	2001.7	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(0381)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20231	2002.4	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	0.20118	2001.2	8.1	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	0.20209	2000.2	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	0.20042	2001.7	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	0.20030	2000.5	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	0.20230	2002.3	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	0.20570	2001.0	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	0.20415	2000.2	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	0.20210	2000.3	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	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.6	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

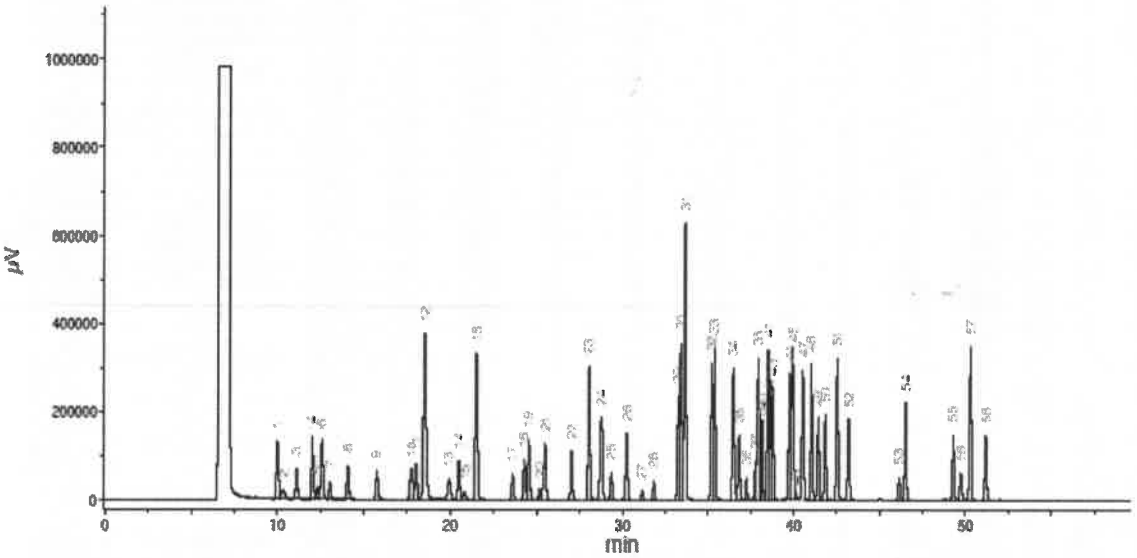
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, 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 17, "P95317 L021524 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 10:04:27 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., Hydrogen(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	18.49
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.26
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	33.66
32	o-Xylene	33.22
33	Styrene	35.39
34	Isopropylbenzene/Bromoform	36.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.48
55	1,2,4-Trichlorobenzene	48.26
56	Hexachlorobutadiene	49.22
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty 5E-05 Balance Uncertainty

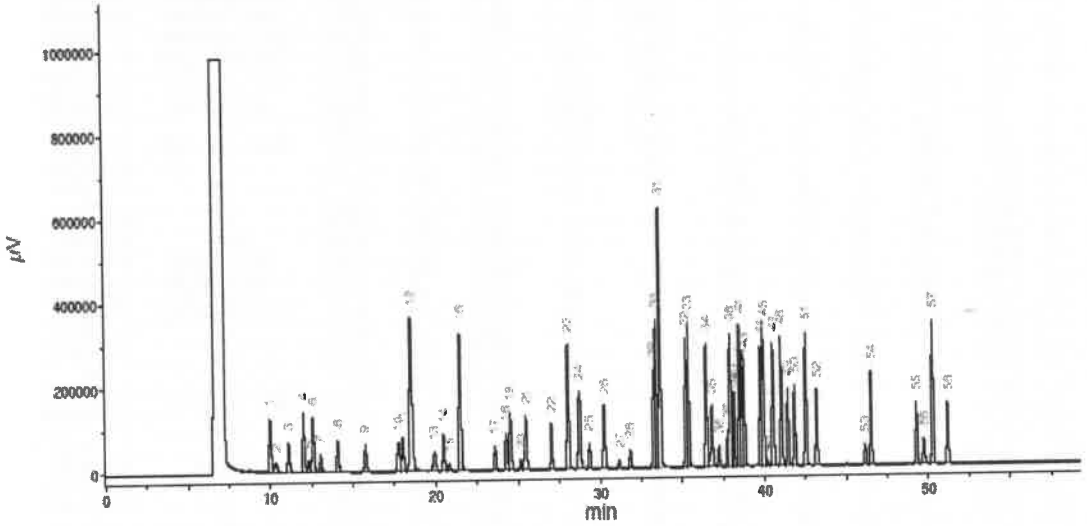
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0361)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.86
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.48
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty 5E-05 Balance Uncertainty

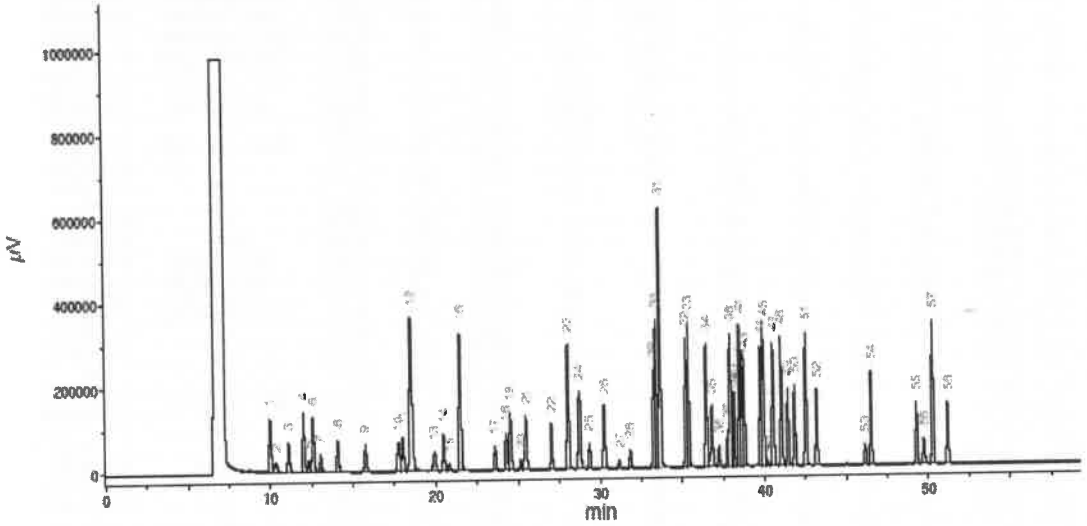
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0361)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.86
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.48
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
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Hamden, CT 06518-0585
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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	**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

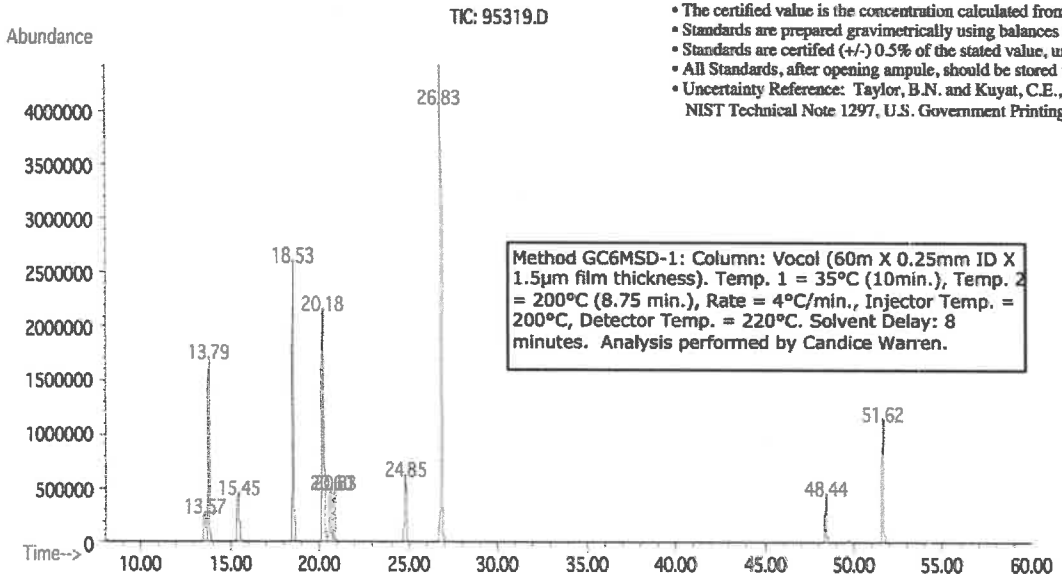
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Solvent(s): Methanol **Lot#** 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

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

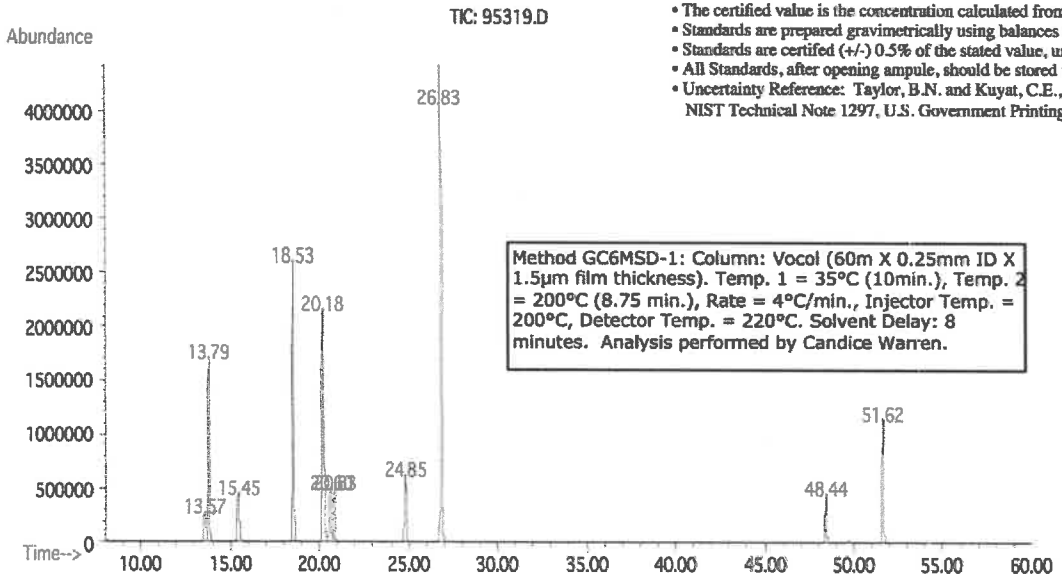
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Solvent(s): Methanol **Lot#** 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
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, 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

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

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 111722
Description: 2-Chloroethyl vinyl ether

Solvent(s): Methanol **Lot#** EB679-US

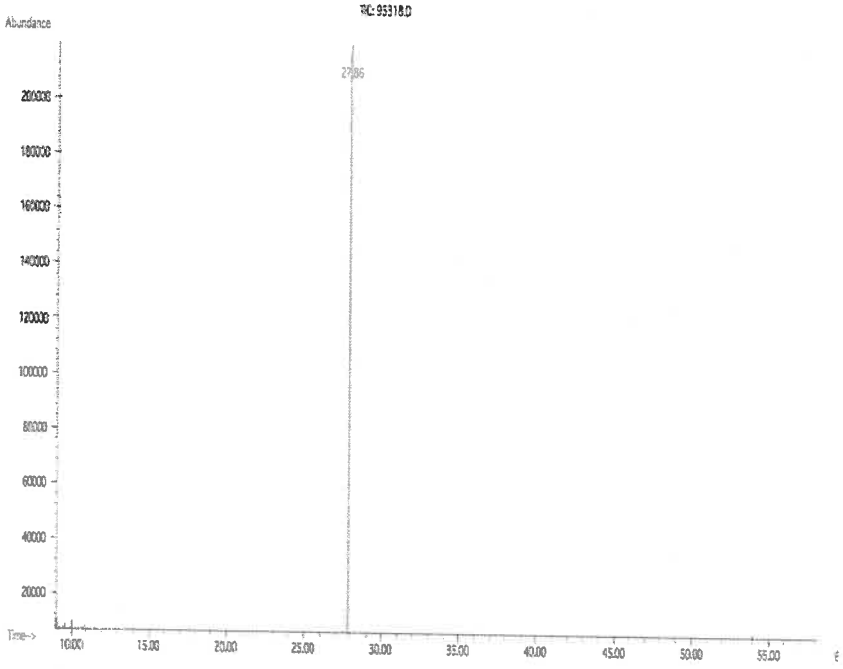
Expiration Date: 111725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

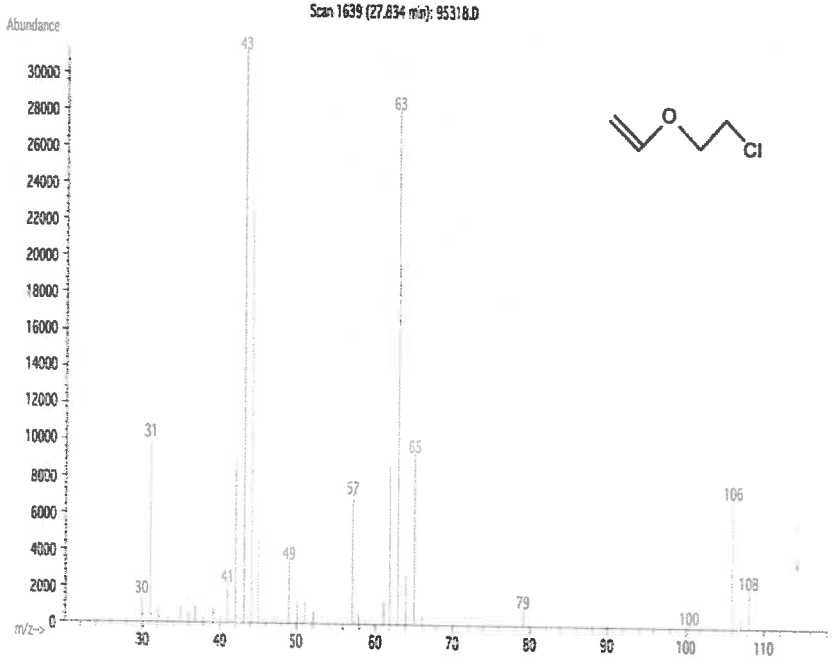
Weight(s) shown below were combined and diluted to (mL): 50.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

Formulated By:	Eli Aliaga	111722 DATE
Reviewed By:	Pedro L. Rentas	111722 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	0.50541	0.50551	10001.9	40.5	110-75-8	N/A	orl-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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Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

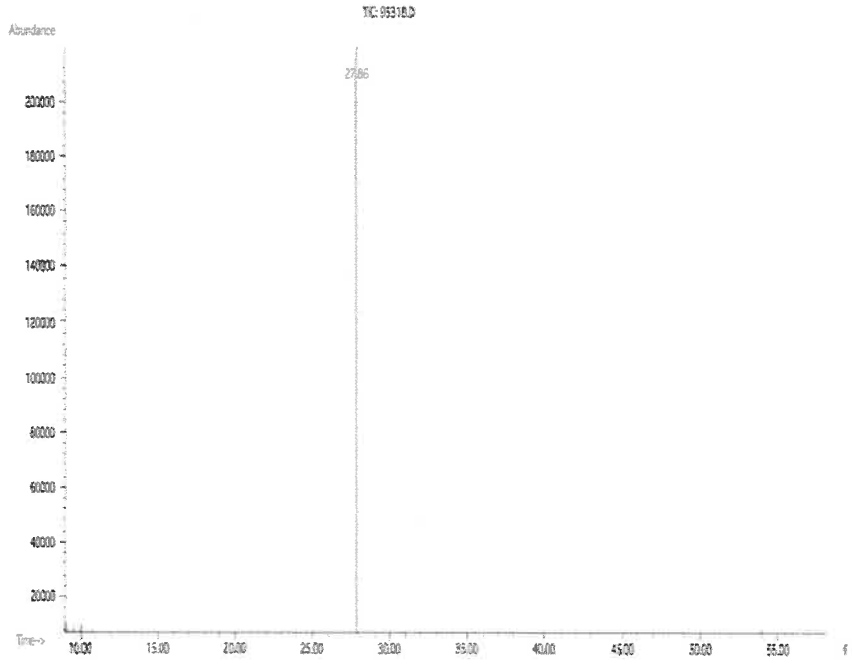
V14630 to V14649

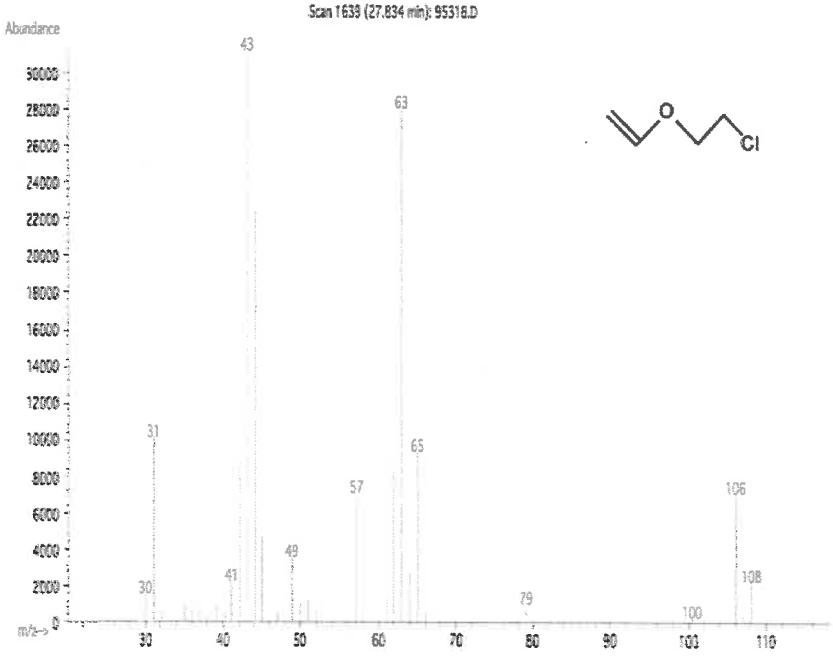
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

		120524
Formulated By:	Prashant Chauhan	DATE
		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

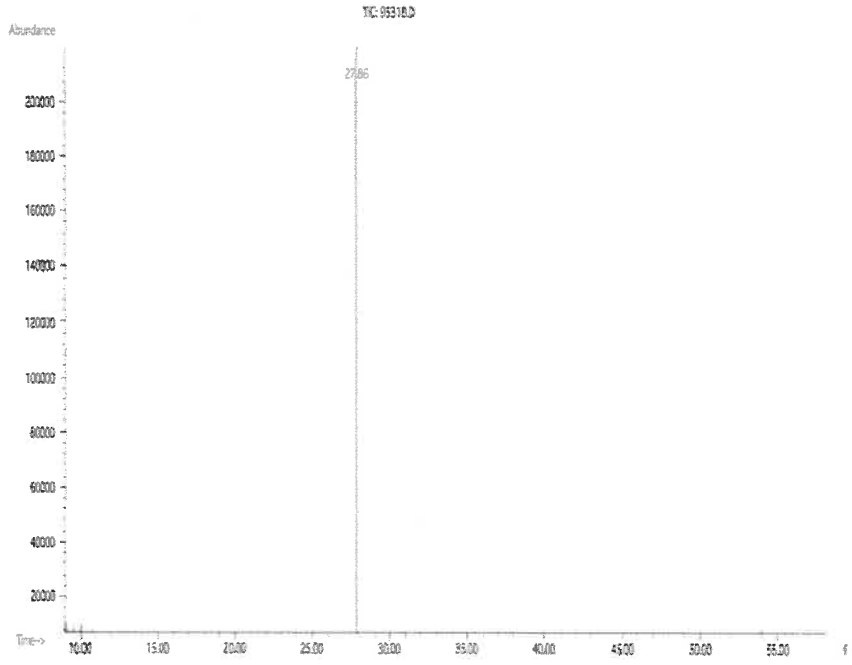
V14630 to V14649

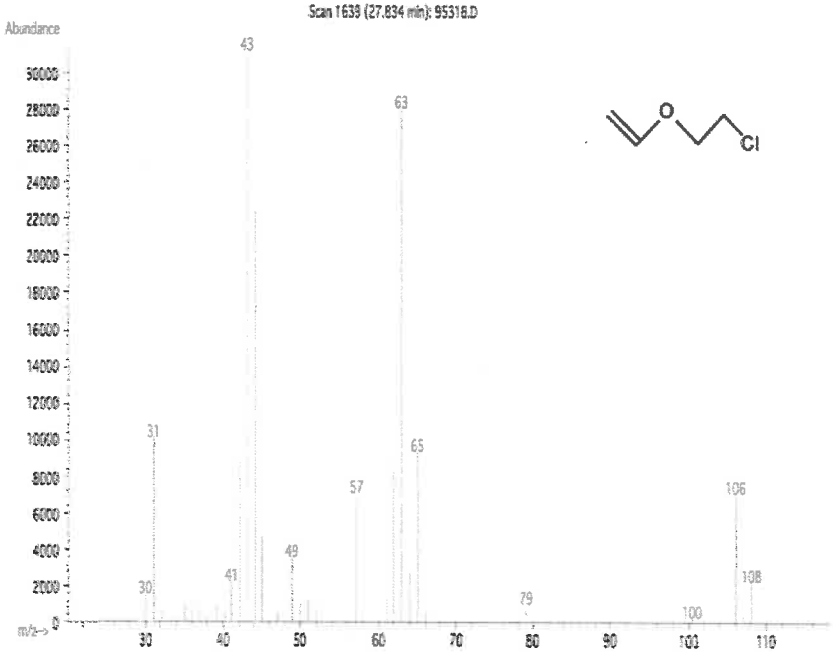
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

		120524
Formulated By:	Prashant Chauhan	DATE
		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
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

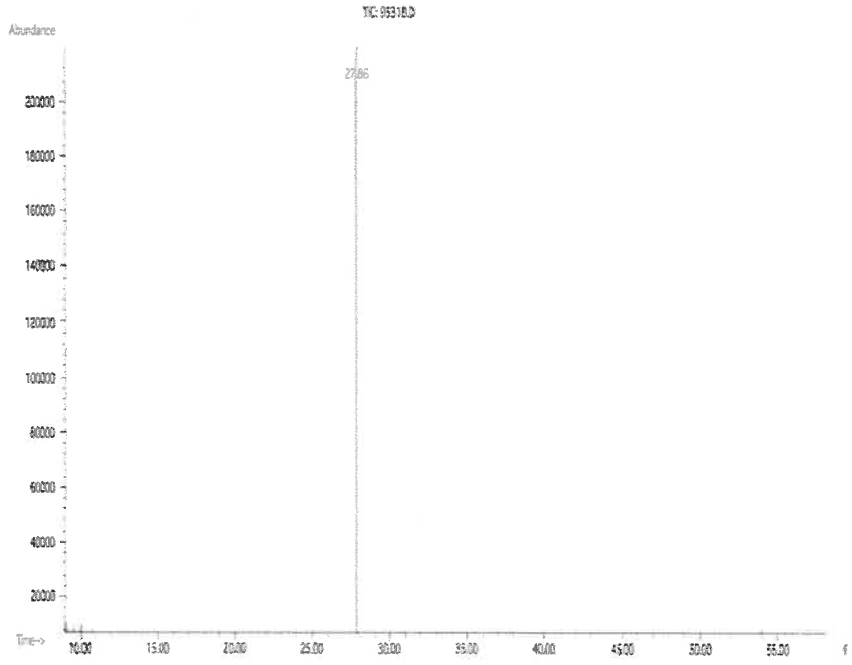
V14630 to V14649

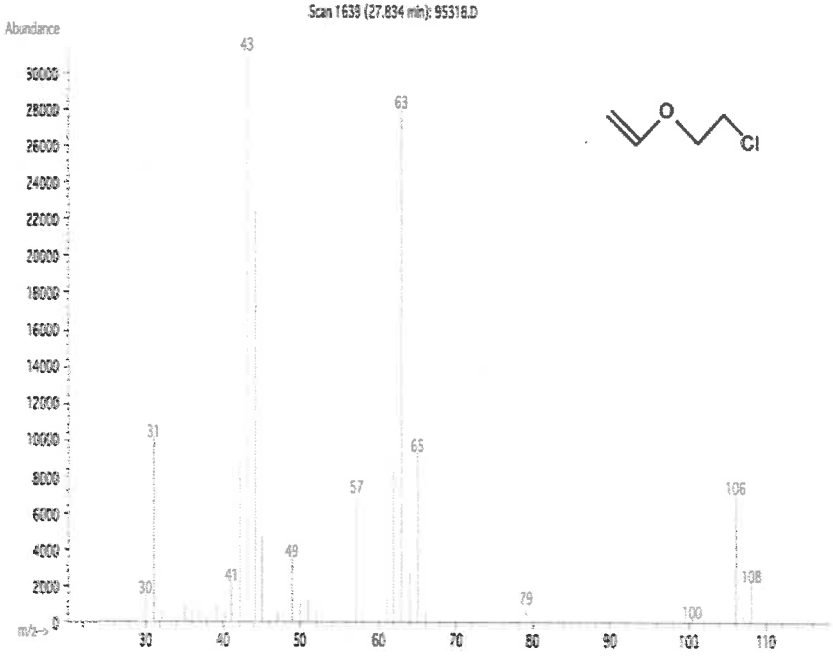
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

		120524
Formulated By:	Prashant Chauhan	DATE
		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Safety Data Sheet (SDS) GHS/OSHA Compliant

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IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
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LD50 Oral - rat - 5,628 mg/kg
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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

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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

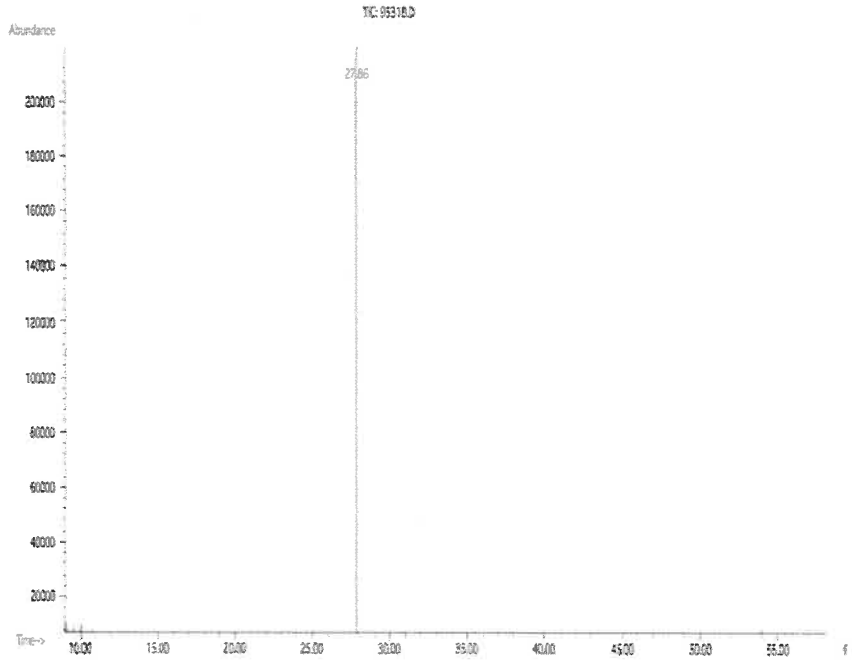
V14630 to V14649

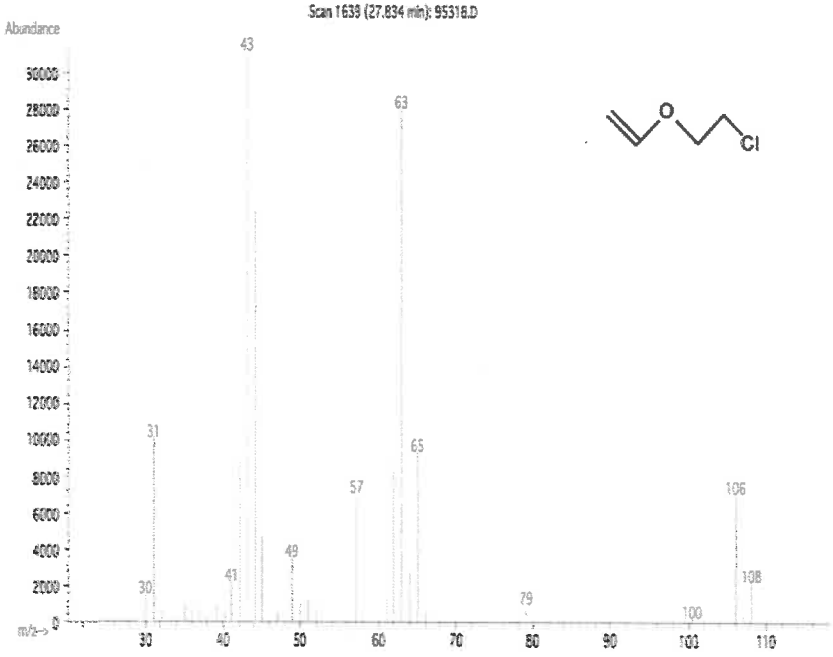
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

		120524
Formulated By:	Prashant Chauhan	DATE
		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

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Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
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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.

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Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
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

Dec 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

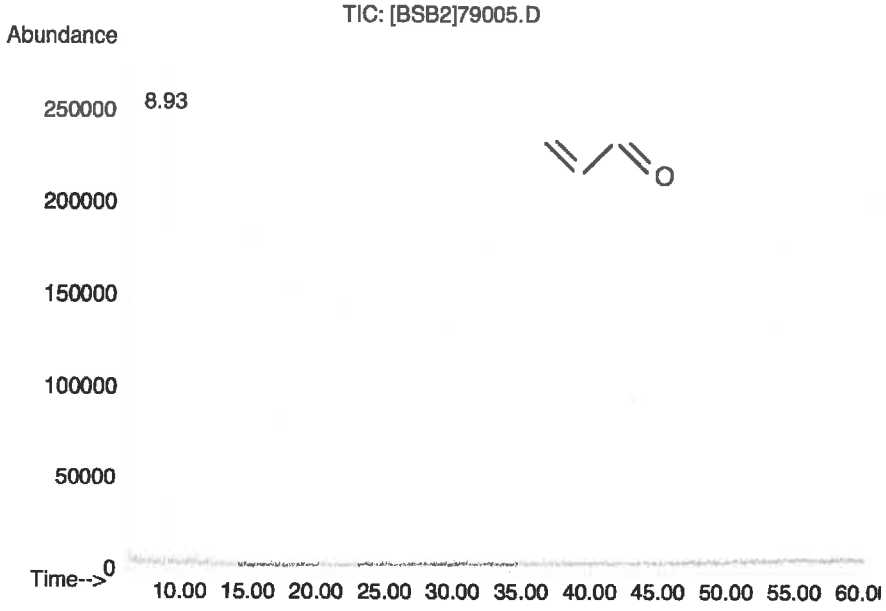
V14650-54

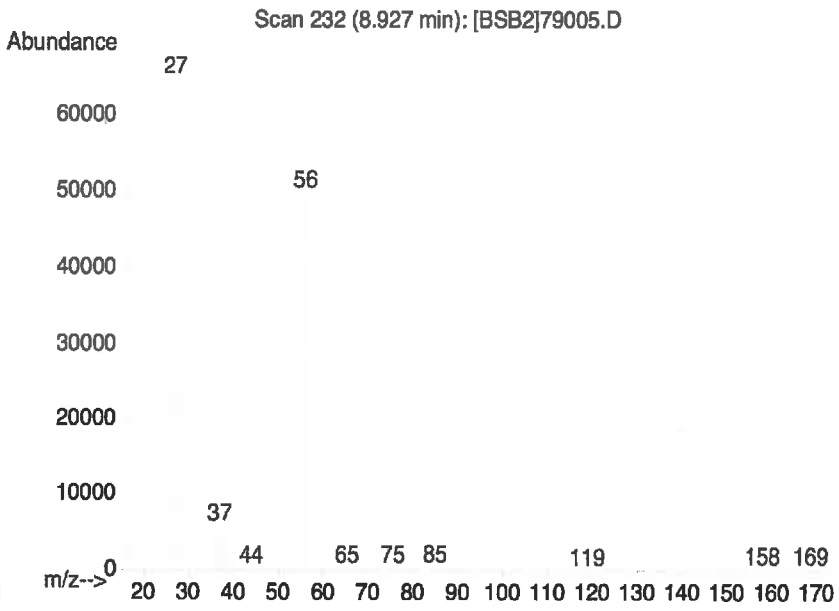
Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

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 certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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Certified Reference Material CRM

Dec 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

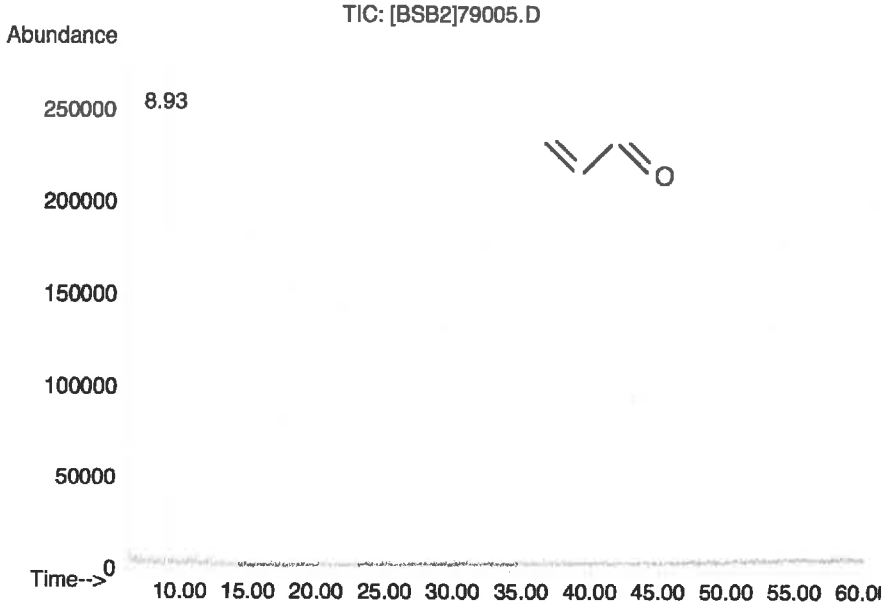
V14650-54

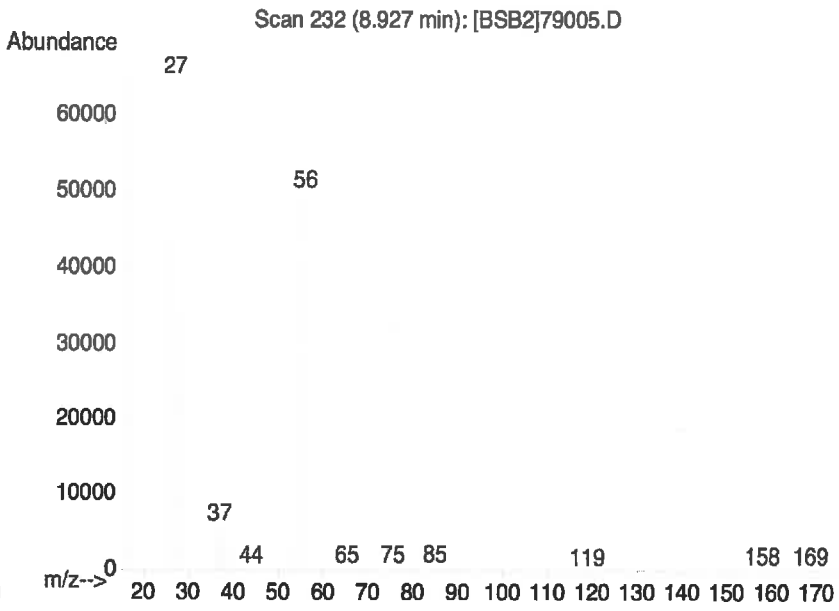
Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

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.





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Absolute Standards Inc.

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Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

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Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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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
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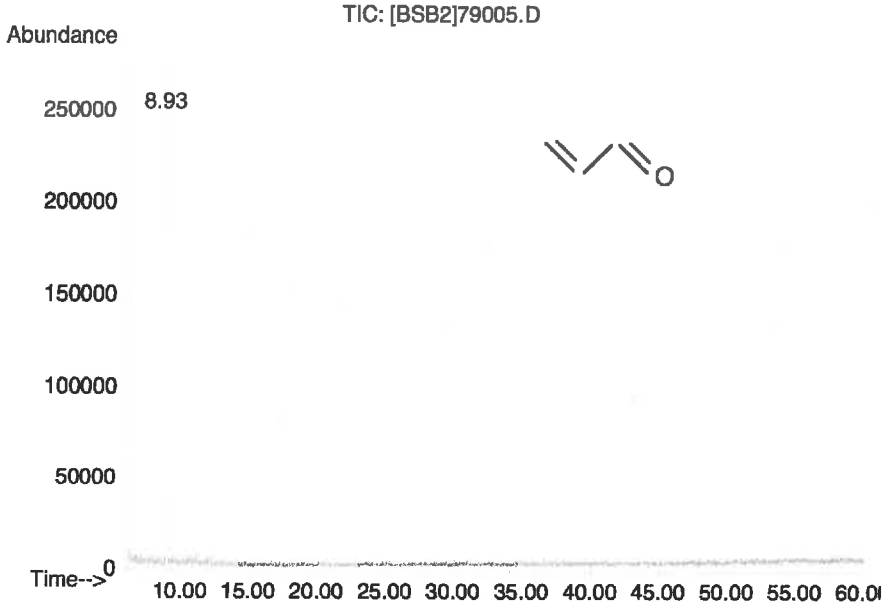
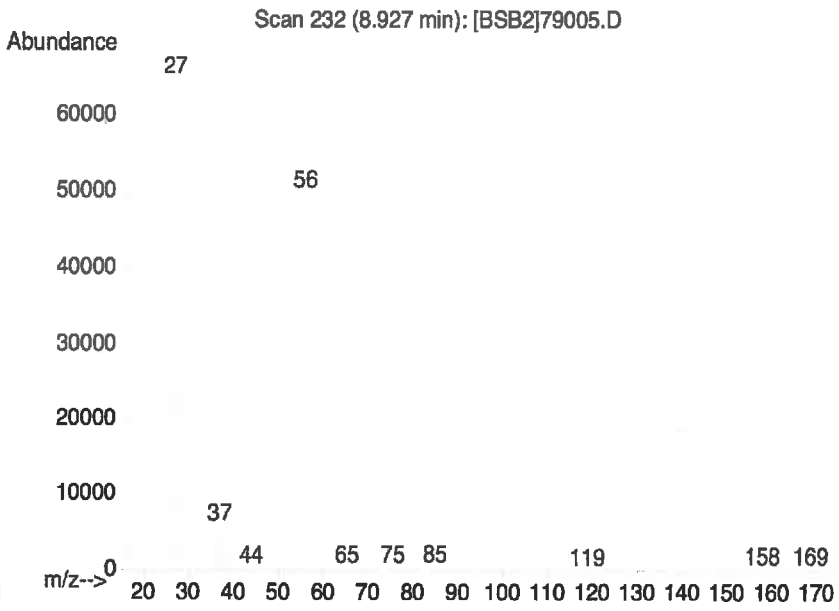
Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.





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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

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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

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Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

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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. : 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)

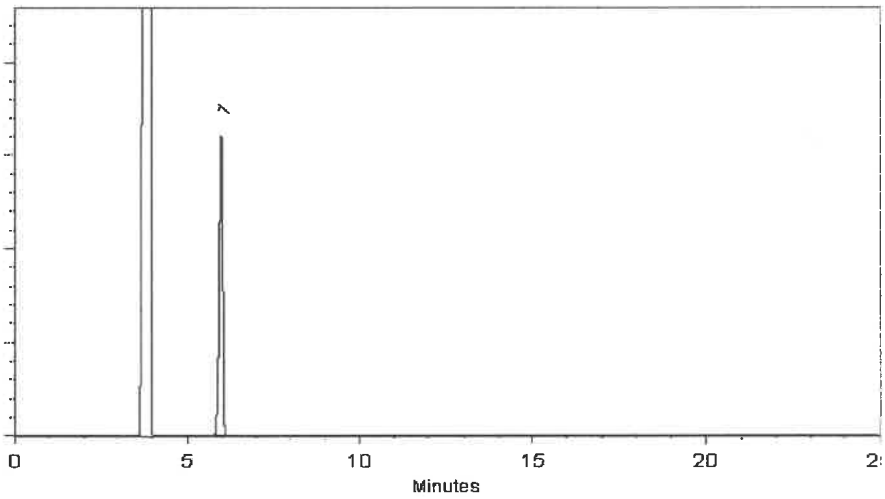
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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 #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.:** A0191703

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 : November 30, 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)	50,122.0 µg/mL	+/- 293.4753 µg/mL	Gravimetric
	CAS # 75-65-0 (Lot 101619K21F-1)		+/- 1,073.6797 µg/mL	Unstressed
	Purity 99%		+/- 1,104.8612 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)

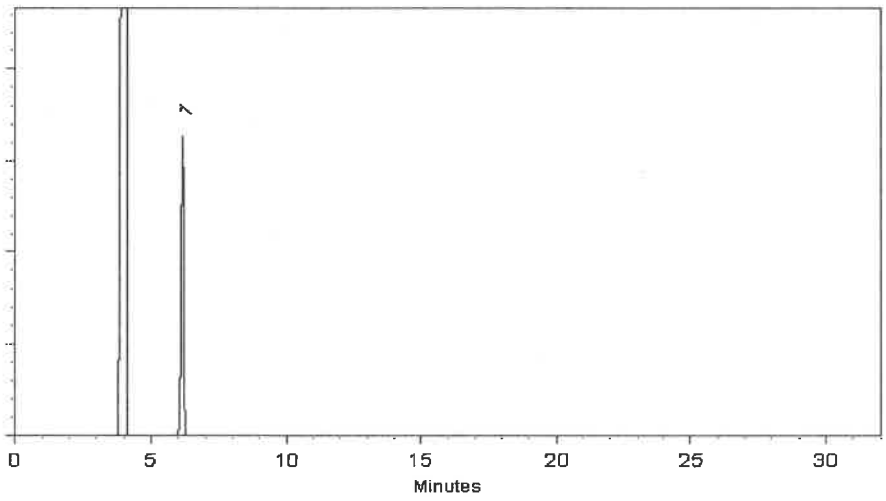
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

Alicia Leathers - Operation Technician I **Date Mixed:** 15-Nov-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 17-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 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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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.)

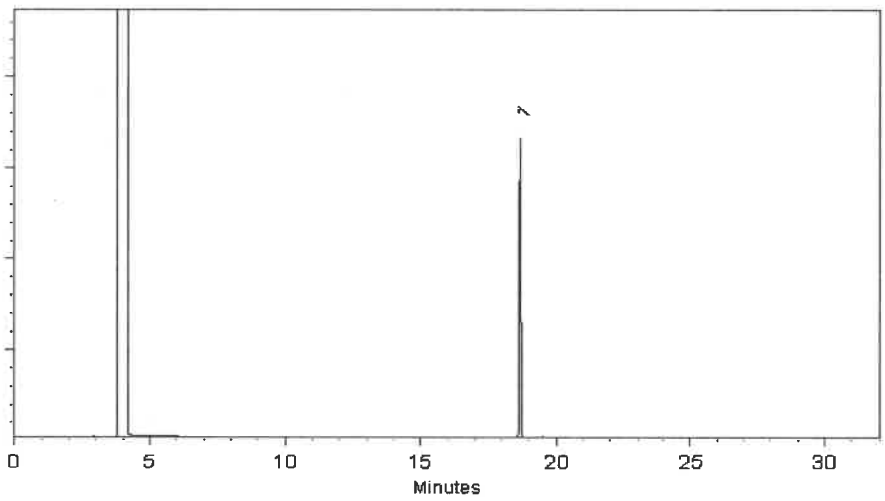
Inj. Temp:
200°C

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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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

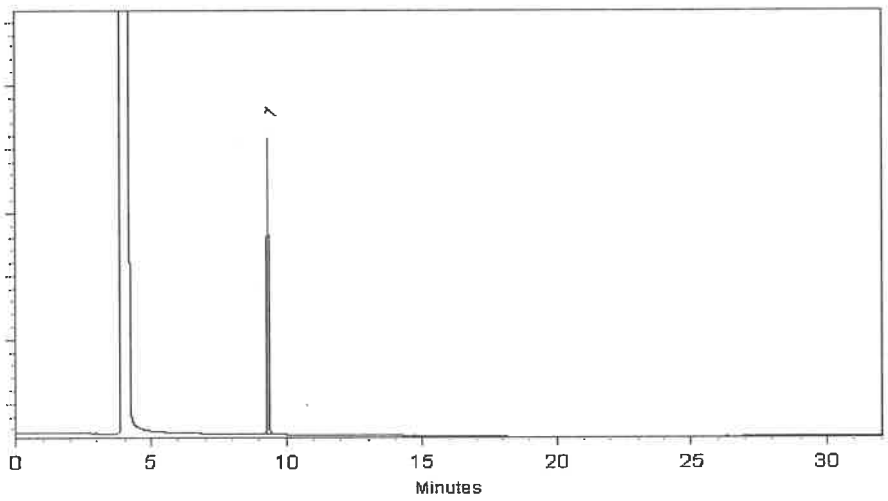
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

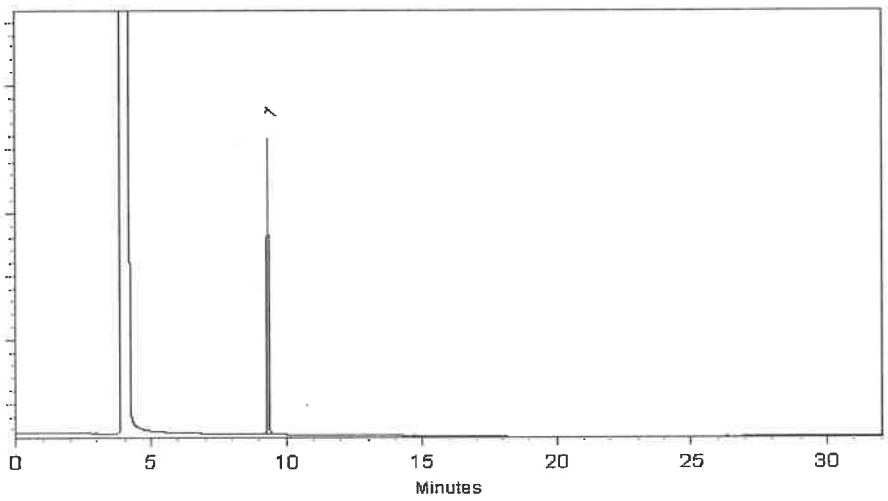
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

7

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0193887

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 : April 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%	5,006.5 µg/mL	+/- 173.0015
2	2-Butanone (MEK)	78-93-3	SHBN9536	99%	5,008.5 µg/mL	+/- 173.0706
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,000.3 µg/mL	+/- 172.7884
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,001.7 µg/mL	+/- 172.8345

* 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.)

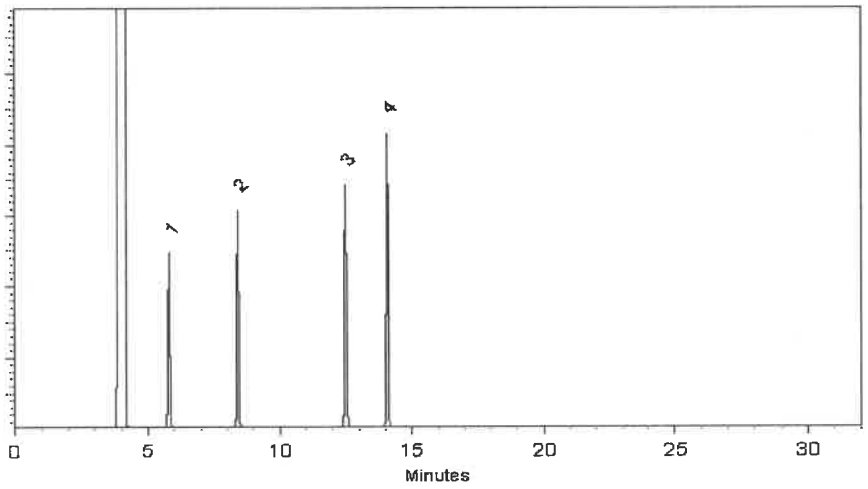
Inj. Temp:
200°C

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.

Josh McCloskey - Operations Technician I

Date Mixed: 24-Jan-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 27-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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. : 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.

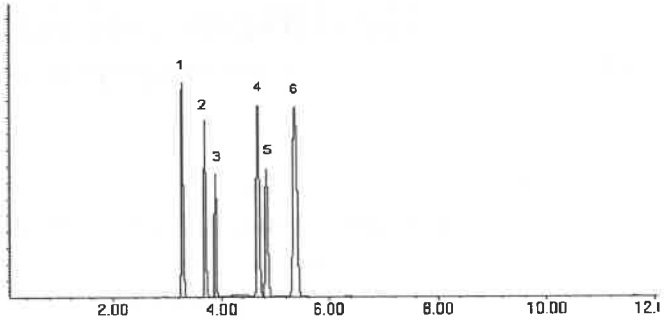
Inj. Temp:
200°C

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.
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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. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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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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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.:** A0197644

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 : January 31, 2030 **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%	2,001.6 µg/mL	+/- 112.7159
2	Chloromethane (methyl chloride)	74-87-3	SHBM9611	99%	2,002.0 µg/mL	+/- 112.7840
3	Vinyl chloride	75-01-4	00015559	99%	2,002.2 µg/mL	+/- 112.6713
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8861
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.9 µg/mL	+/- 112.5990
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	1,999.2 µg/mL	+/- 112.4861

* 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.

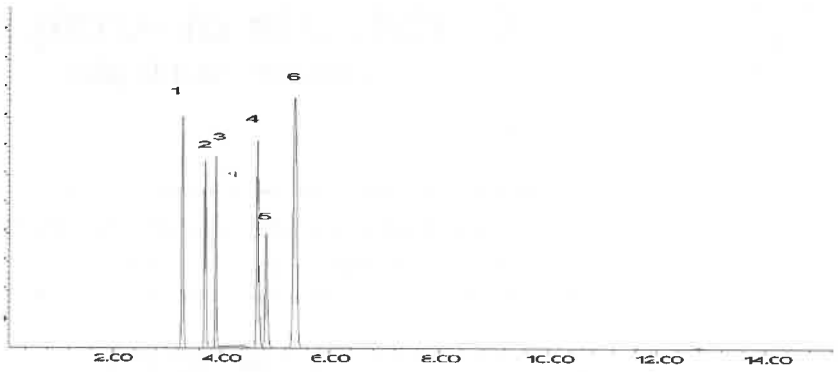
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



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Brittany Federinko - Operations Tech I

Date Mixed: 02-May-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-May-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:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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Catalog No. : 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.)

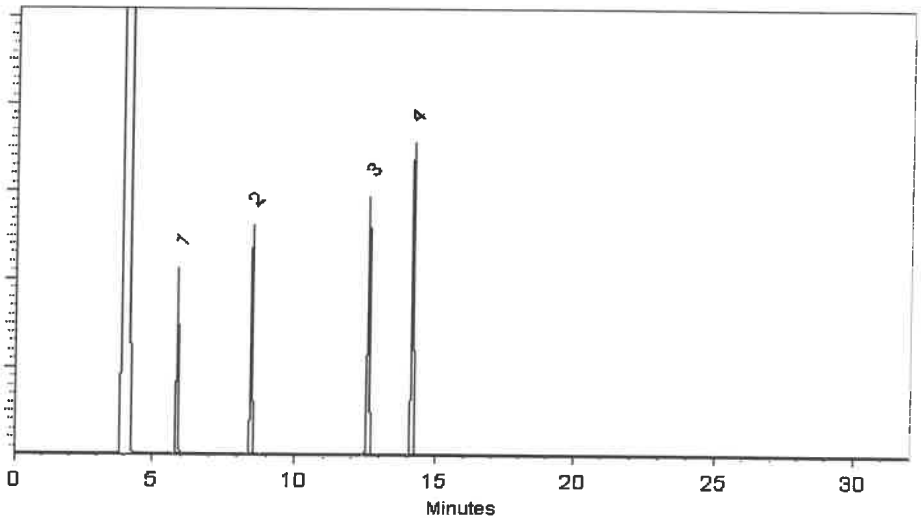
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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Catalog No. : 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.)

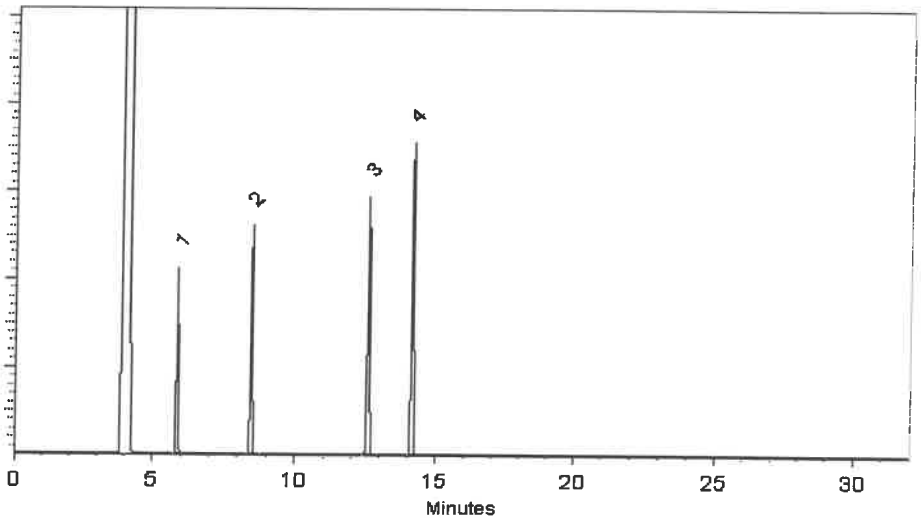
Inj. Temp:
200°C

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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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** 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.)

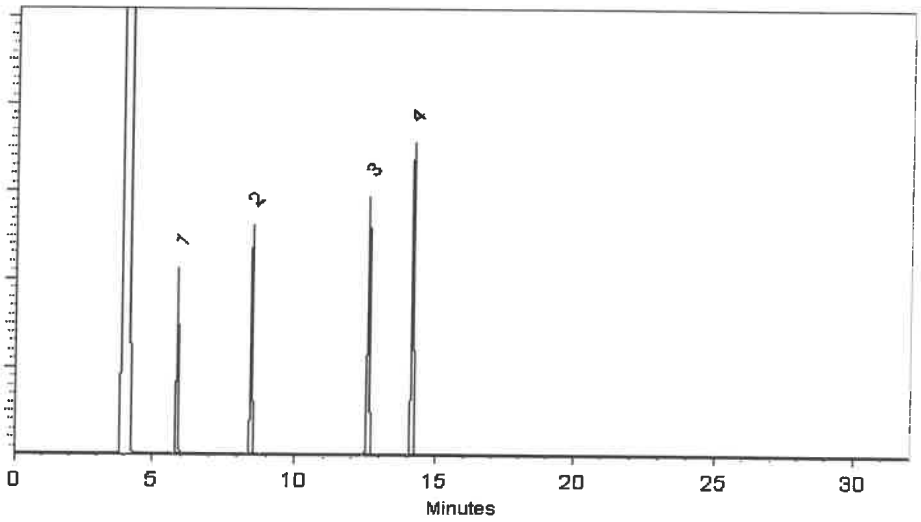
Inj. Temp:
200°C

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. : 30489 **Lot No.:** A0205013

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 : 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	Methyl acetate	79-20-9	SHBP3100	99%	2,012.7 µg/mL	+/- 69.5670
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,017.5 µg/mL	+/- 69.7338
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,020.0 µg/mL	+/- 69.8205
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,018.7 µg/mL	+/- 69.7744
5	Propyl acetate	109-60-4	KLOBM	99%	2,012.0 µg/mL	+/- 69.5439
6	Butyl acetate	123-86-4	SHBP6314	99%	2,020.0 µg/mL	+/- 69.8205
7	Amyl acetate	628-63-7	41325/1	97%	2,019.5 µg/mL	+/- 69.8046

* 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.)

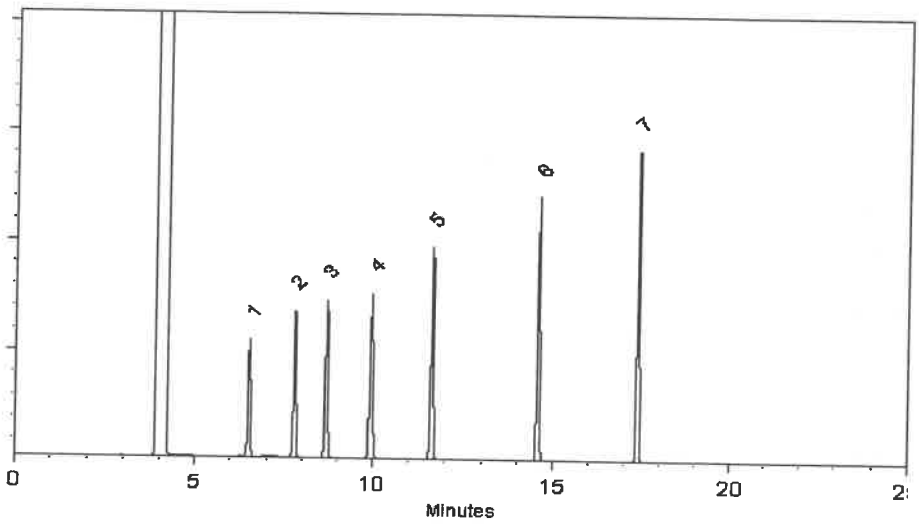
Inj. Temp:
200°C

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.

Brittany Federinko - Operations Tech I

Date Mixed: 04-Dec-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-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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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-FL **Lot No.:** A0205177

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%	8,047.8 µg/mL	+/- 278.1675

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

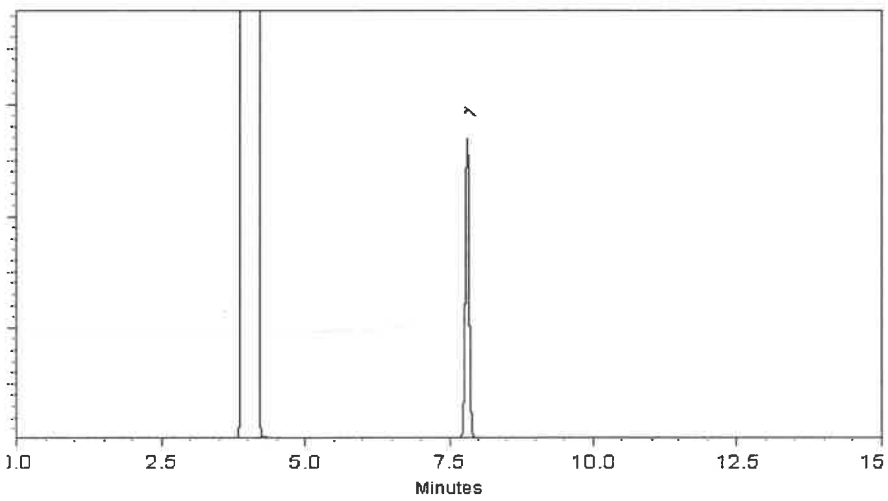
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 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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Certificate of Analysis

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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.)

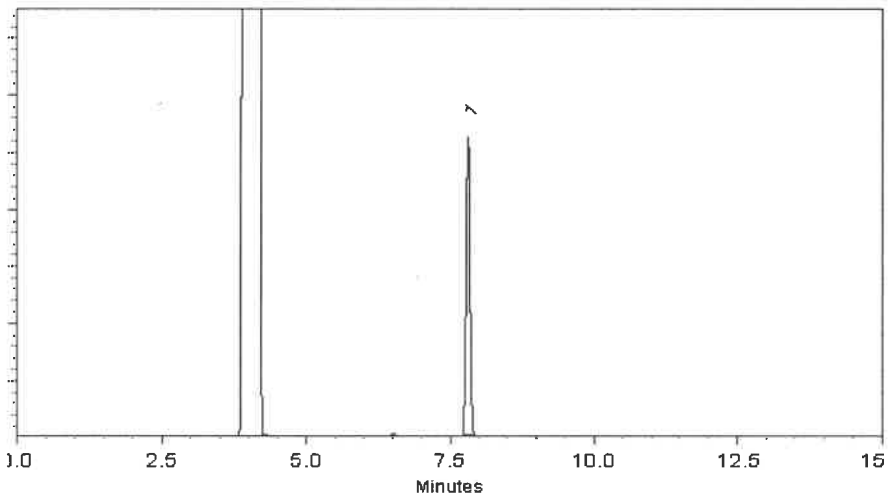
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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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Certificate of Analysis

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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.)

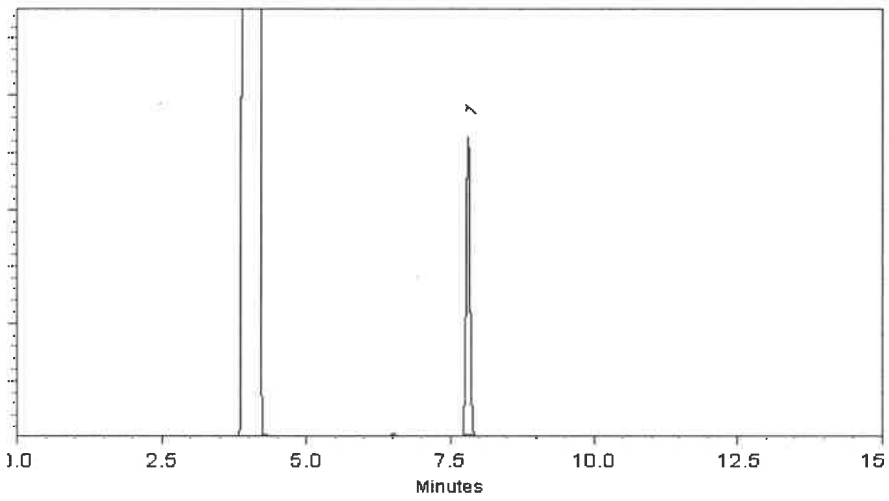
Inj. Temp:
200°C

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.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
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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.)

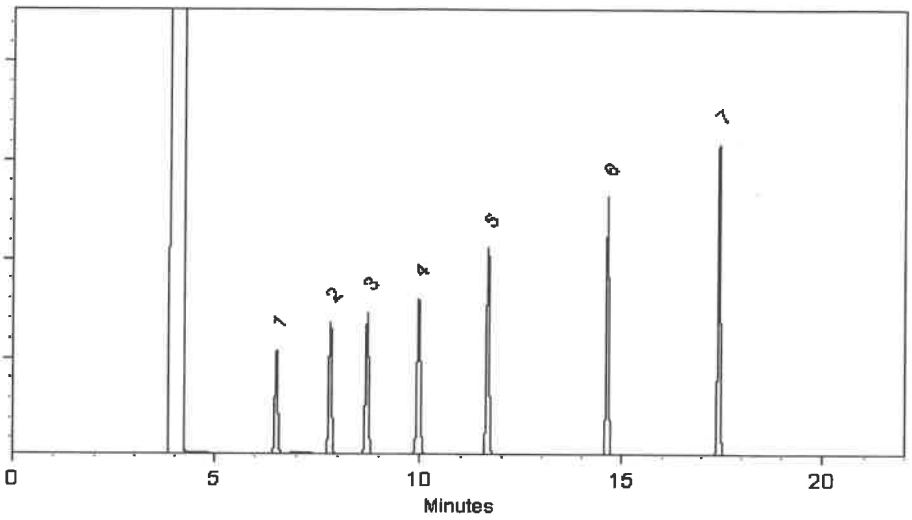
Inj. Temp:
200°C

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.
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Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
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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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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
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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:

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reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

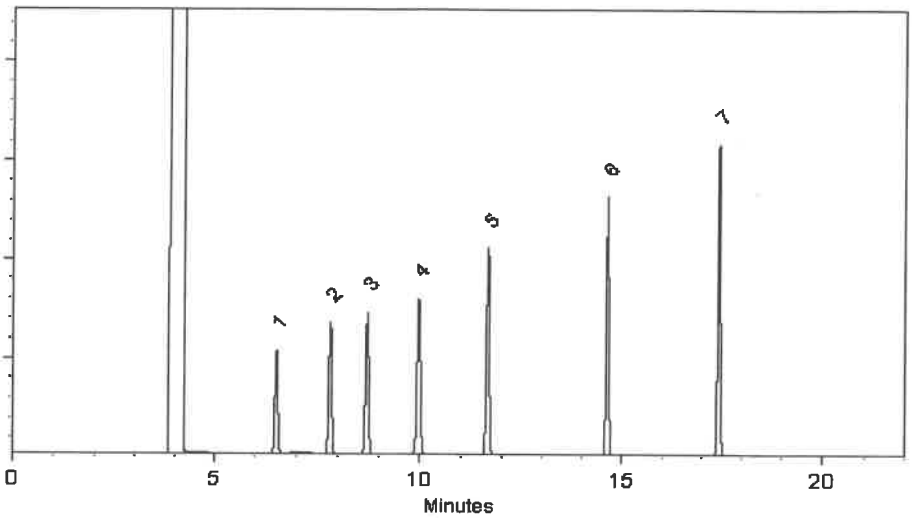
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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Certified Uncertainty Value Notes:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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gravimetric

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Certified Uncertainty Value Notes:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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: 70046
Lot Number: 070122
Description: Bromochloromethane

Solvent: Methanol **Lot#** EC592-US

Expiration Date: 070127
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

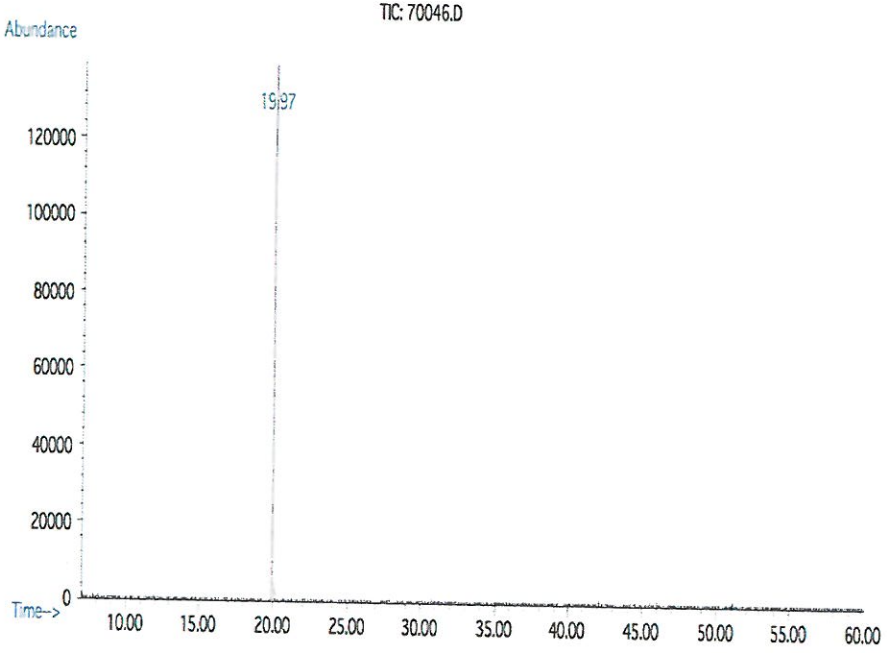
Weight(s) shown below were combined and diluted to (mL): 25.0

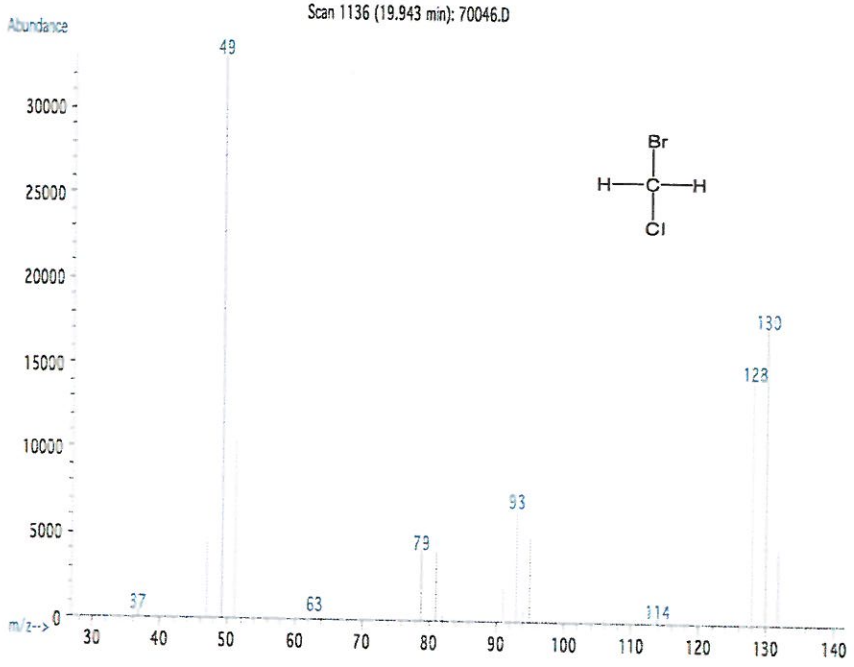
5E-05 Balance Uncertainty
0.0002 Flask Uncertainty

Gabriel Helland		070122
Formulated By:	Gabriel Helland	DATE
Pedro Rentas		070122
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. Bromochloromethane	46	AY01	1000	99	0.2	0.02530	0.02540	1004.1	5.7	74-97-5	200 ppm (1050mg/m3/8H)	orl-rat 5000mg/kg

Method GC6MSD-1.M: Column : (60m X 0.25mm X 1.5 µm) Temp 1 = 35°C (10min.), Temp 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector B= 200°C, Detector B = 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).

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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For Purge and Trap Analysis

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Country of Origin: USA
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Jamie Ethier
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Methanol
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Material No.: 9077-02
Batch No.: 22L0562016
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Certificate of Analysis

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500 Series for Drinking Water
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846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020669.D
Acq On : 20 Dec 2024 14:34
Operator : SY/MD
Sample : P5316-01
Misc : 5.97g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-1

Quant Time: Dec 20 18:09:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

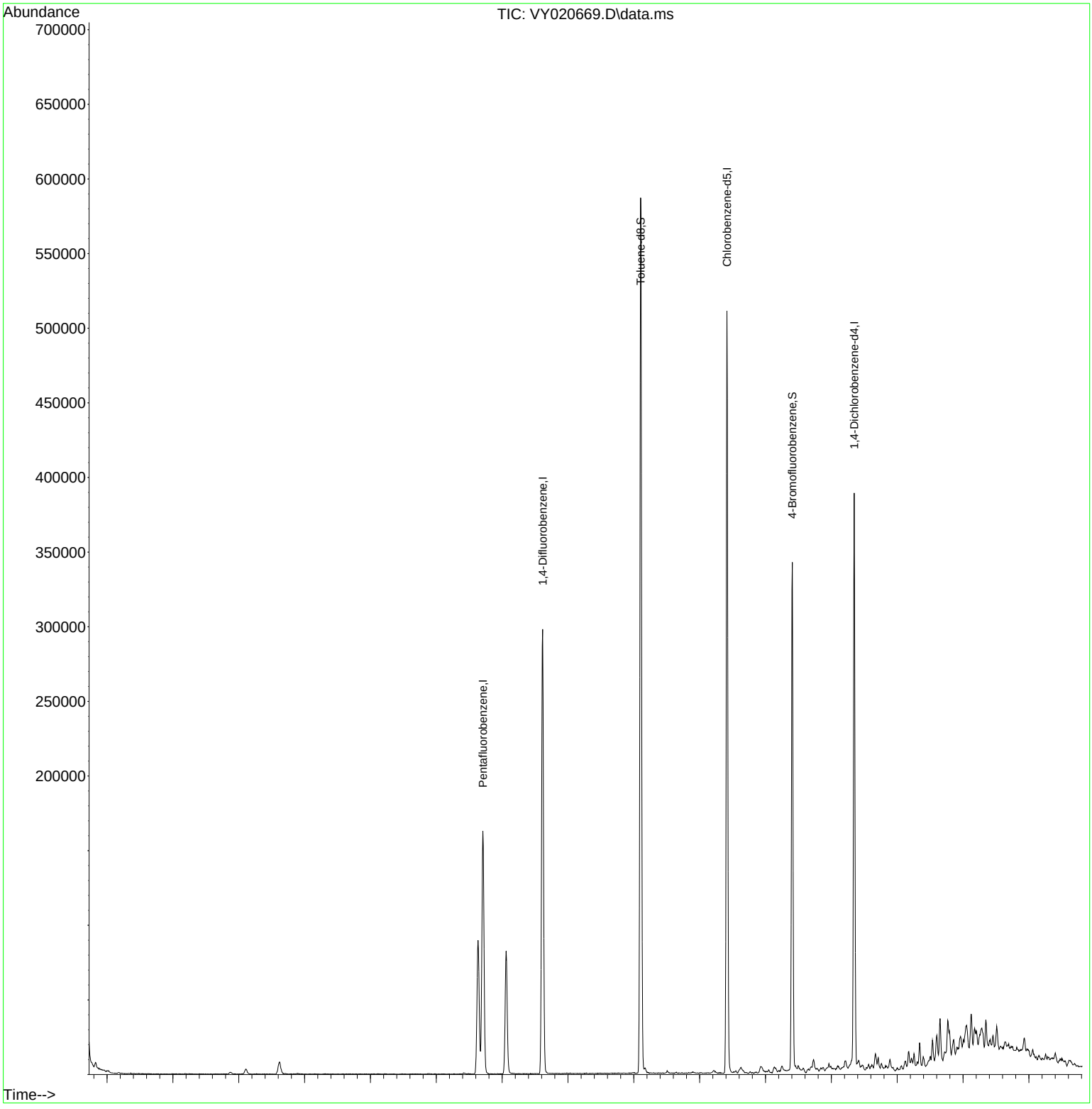
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	123590	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	256790	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	258559	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	91825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	66705	49.281	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.560%			
35) Dibromofluoromethane	7.634	113	62350	34.451	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 68.900%			
50) Toluene-d8	10.103	98	386152	60.960	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 121.920%			
62) 4-Bromofluorobenzene	12.408	95	107021	43.190	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 86.380%			
Target Compounds						Qvalue
16) Acetone	3.879	43	2333	2.298	ug/l	95
17) Carbon Disulfide	4.110	76	6654	1.320	ug/l	97
20) Methylene Chloride	4.623	84	6342	3.768	ug/l #	86

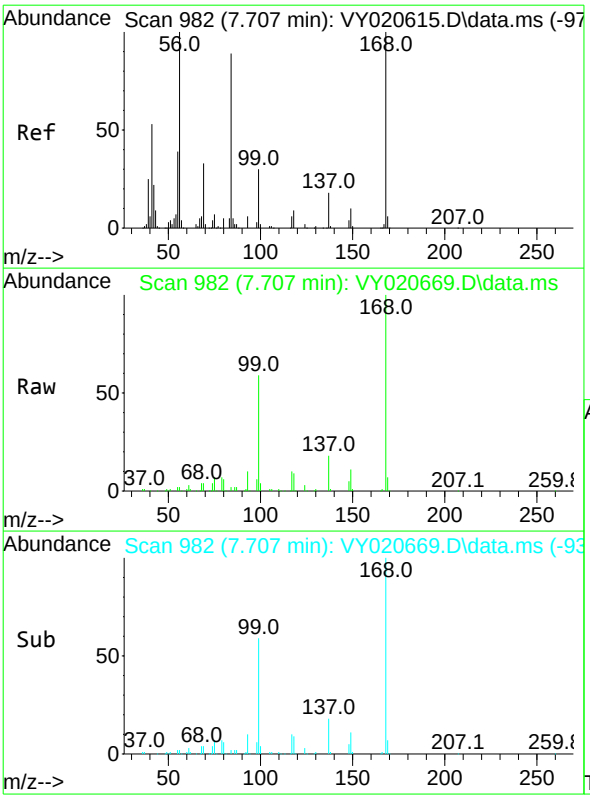
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020669.D
Acq On : 20 Dec 2024 14:34
Operator : SY/MD
Sample : P5316-01
Misc : 5.97g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-1

Quant Time: Dec 20 18:09:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration



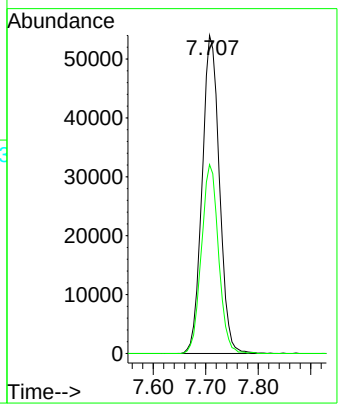


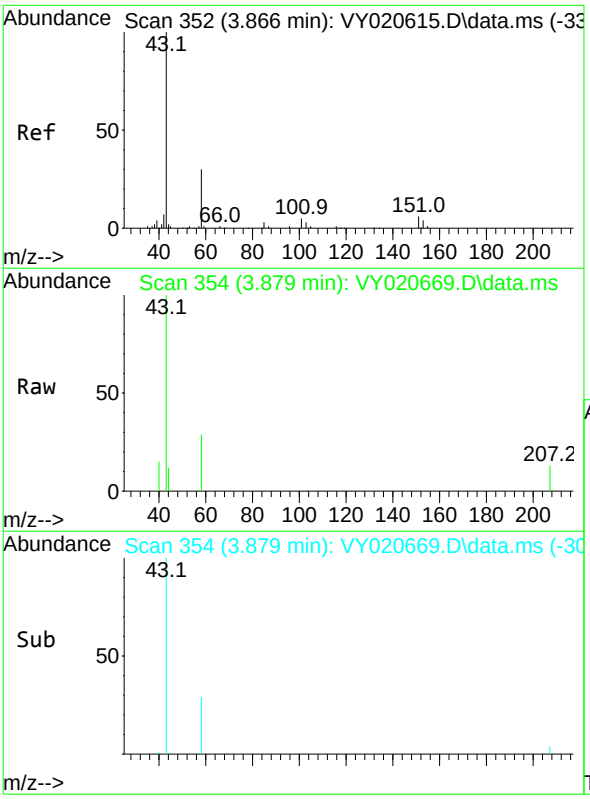
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020669.D
Acq: 20 Dec 2024 14:34

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-1

Tgt Ion:168 Resp: 123590

Ion	Ratio	Lower	Upper
168	100		
99	59.4	47.0	70.6

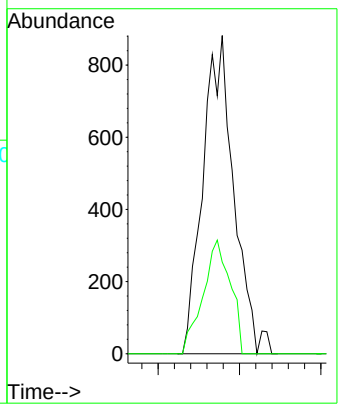


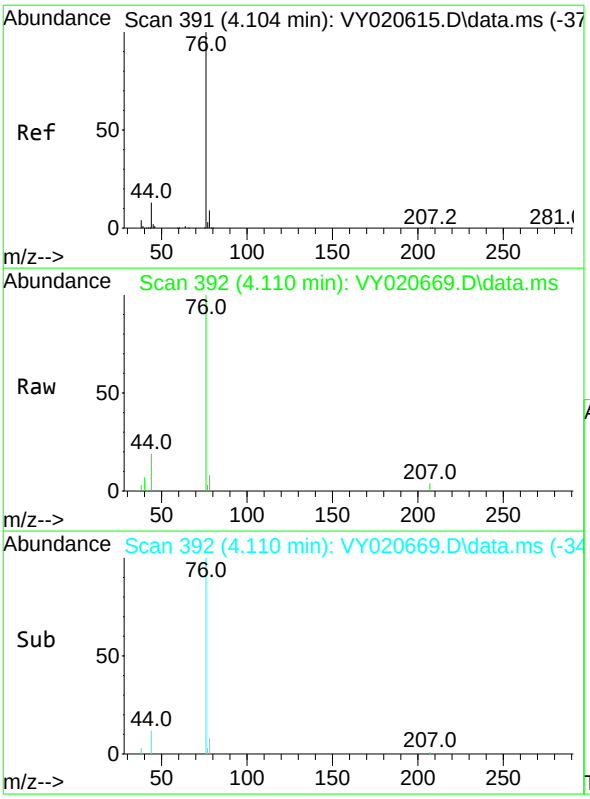


#16
Acetone
Concen: 2.298 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.013 min
Lab File: VY020669.D
Acq: 20 Dec 2024 14:34

Tgt Ion: 43 Resp: 2333

Ion	Ratio	Lower	Upper
43	100		
58	28.8	25.0	37.6



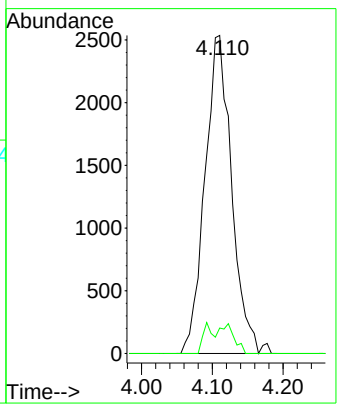


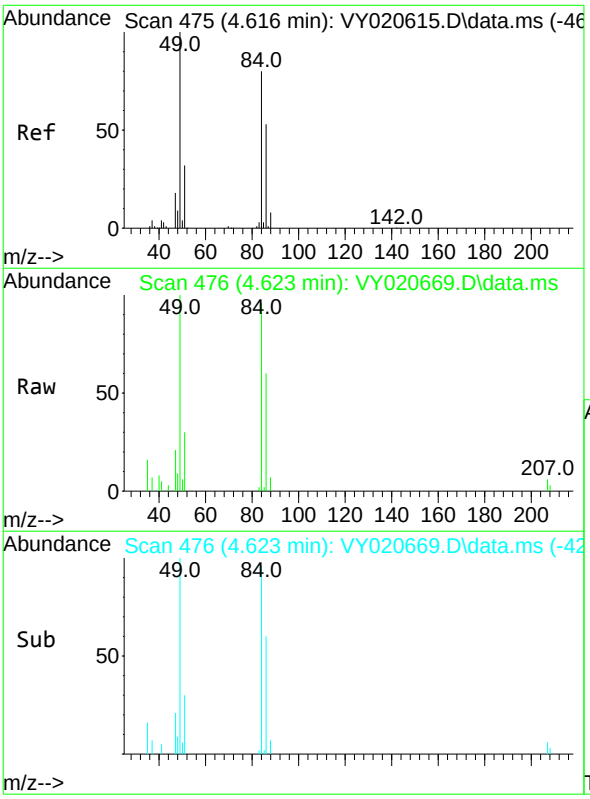
#17
Carbon Disulfide
Concen: 1.320 ug/l
RT: 4.110 min Scan# 39
Delta R.T. 0.006 min
Lab File: VY020669.D
Acq: 20 Dec 2024 14:34

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-1

Tgt Ion: 76 Resp: 6654

Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.2	10.8

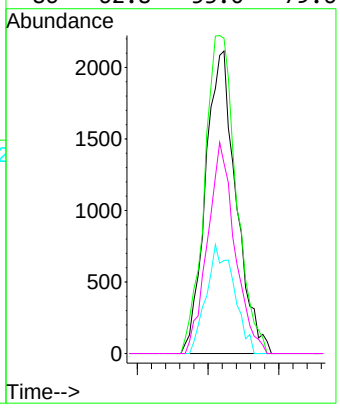


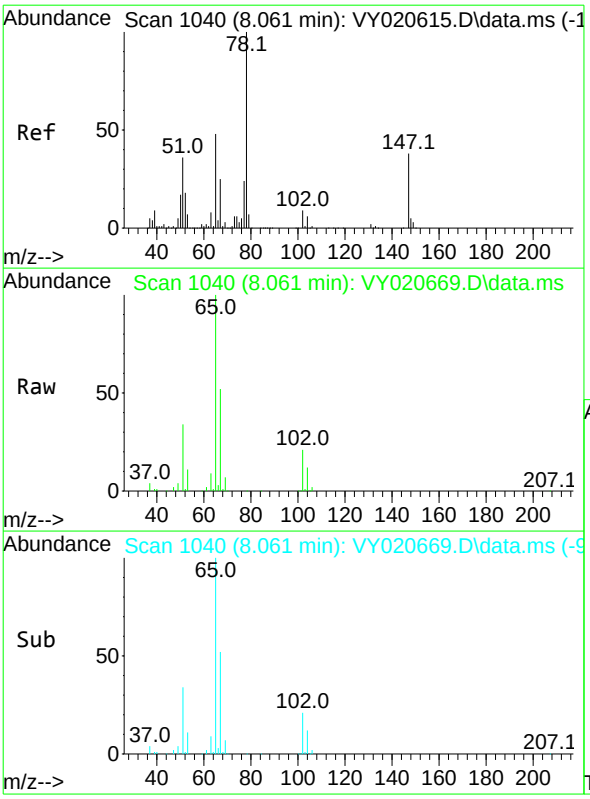


#20
Methylene Chloride
Concen: 3.768 ug/l
RT: 4.623 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY020669.D
Acq: 20 Dec 2024 14:34

Tgt Ion: 84 Resp: 6342

Ion	Ratio	Lower	Upper
84	100		
49	104.2	100.7	151.1
51	30.8	32.2	48.2#
86	62.8	53.0	79.6



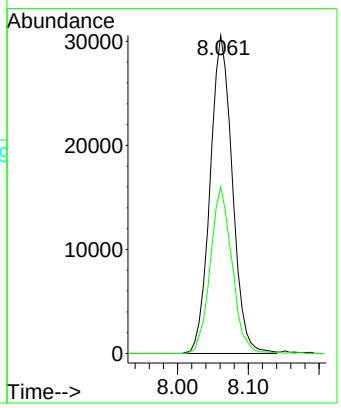


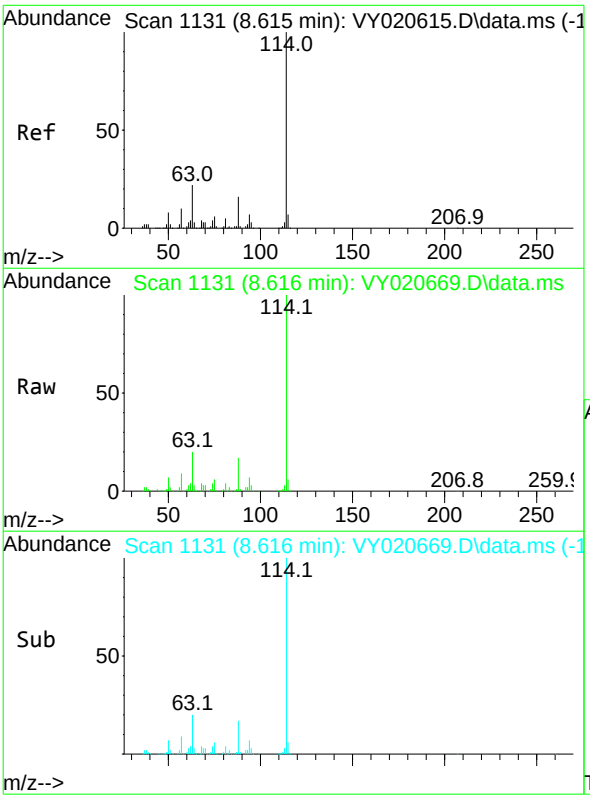
#33
1,2-Dichloroethane-d4
Concen: 49.281 ug/l
RT: 8.061 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020669.D
Acq: 20 Dec 2024 14:34

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-1

Tgt Ion: 65 Resp: 66705

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	108.0

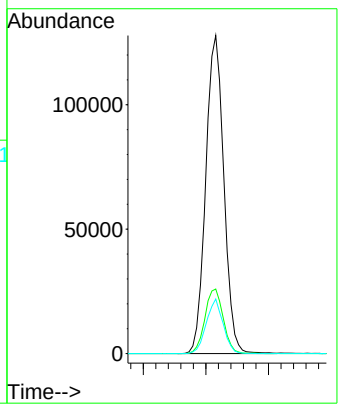


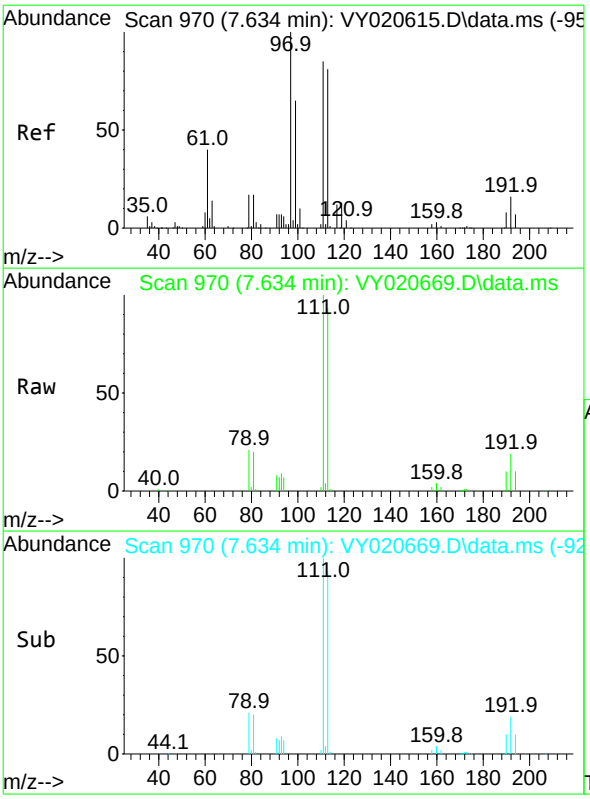


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020669.D
Acq: 20 Dec 2024 14:34

Tgt Ion:114 Resp: 256790

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	44.0
88	17.2	0.0	32.8



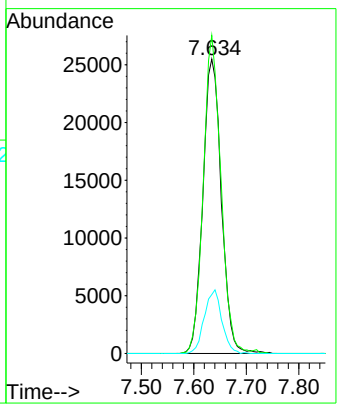


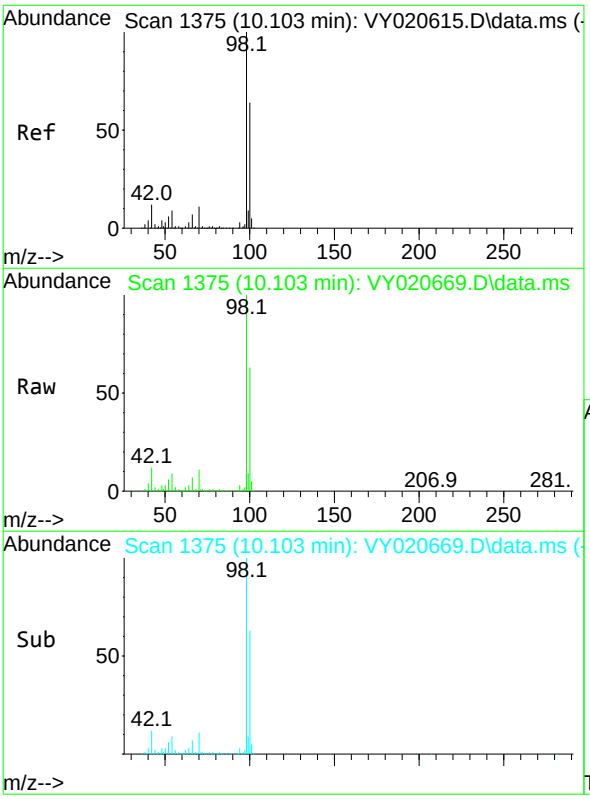
#35
Dibromofluoromethane
Concen: 34.451 ug/l
RT: 7.634 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020669.D
Acq: 20 Dec 2024 14:34

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-1

Tgt Ion:113 Resp: 62350

Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.9	124.3
192	20.5	15.7	23.5

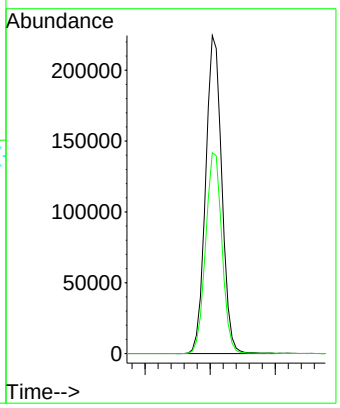


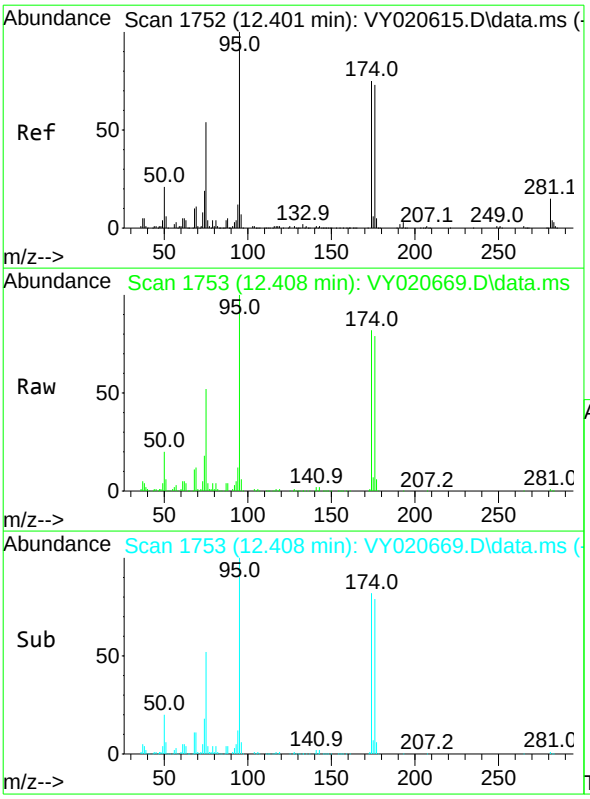


#50
Toluene-d8
Concen: 60.960 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020669.D
Acq: 20 Dec 2024 14:34

Tgt Ion: 98 Resp: 386152

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.1	78.1



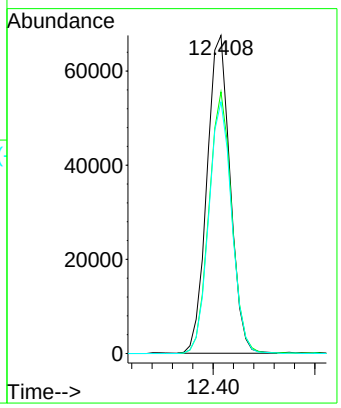


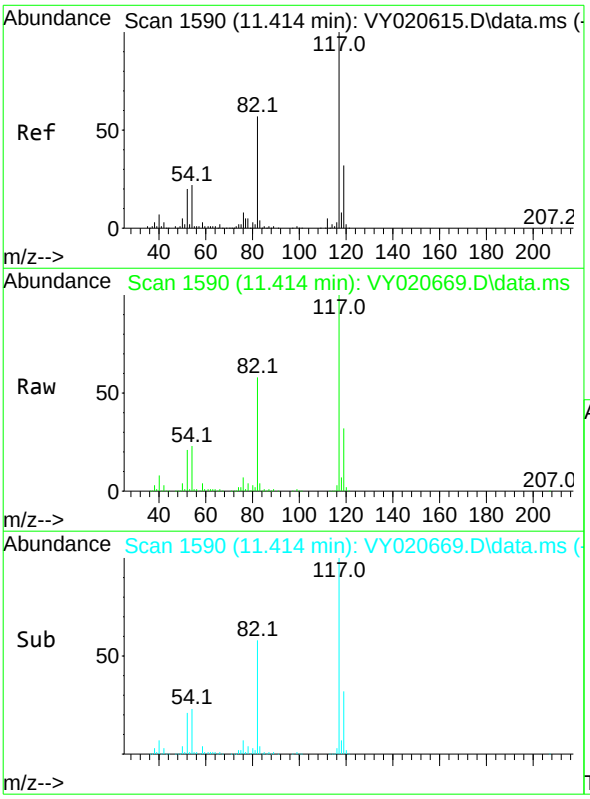
#62
4-Bromofluorobenzene
Concen: 43.190 ug/l
RT: 12.408 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020669.D
Acq: 20 Dec 2024 14:34

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-1

Tgt Ion: 95 Resp: 107021

Ion	Ratio	Lower	Upper
95	100		
174	80.9	0.0	161.8
176	78.4	0.0	156.6

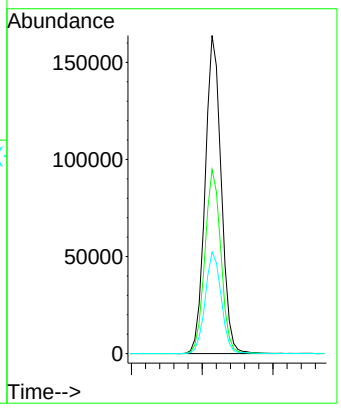


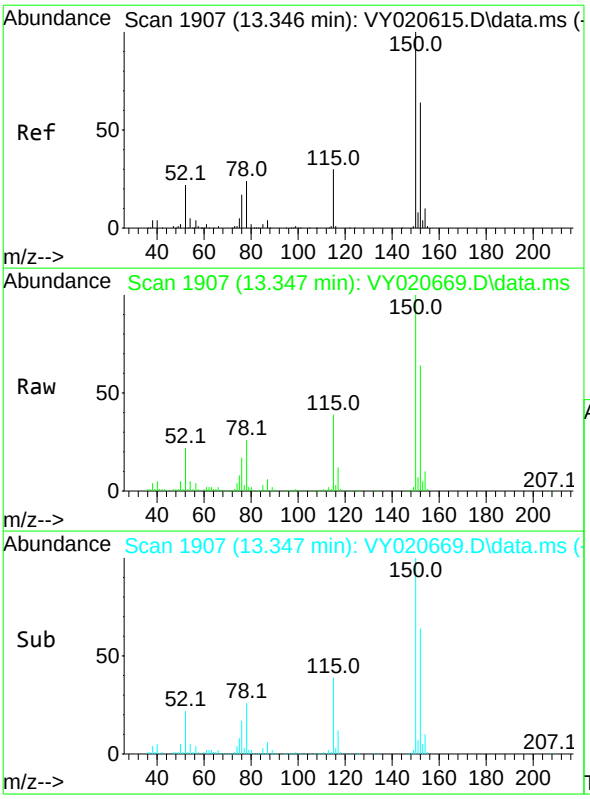


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY020669.D
Acq: 20 Dec 2024 14:34

Tgt Ion:117 Resp: 258559

Ion	Ratio	Lower	Upper
117	100		
82	57.9	45.8	68.6
119	31.9	25.3	37.9



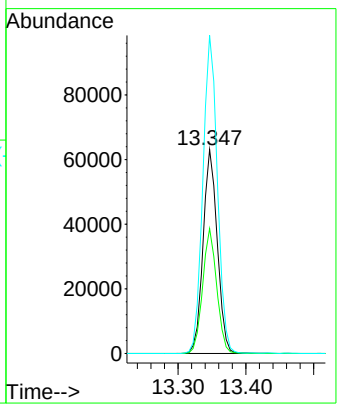


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020669.D
Acq: 20 Dec 2024 14:34

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-1

Tgt Ion:152 Resp: 91825

Ion	Ratio	Lower	Upper
152	100		
115	60.5	30.2	90.6
150	159.1	0.0	355.4



Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020670.D
Acq On : 20 Dec 2024 14:57
Operator : SY/MD
Sample : P5316-02
Misc : 4.81g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-2

Quant Time: Dec 20 18:09:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

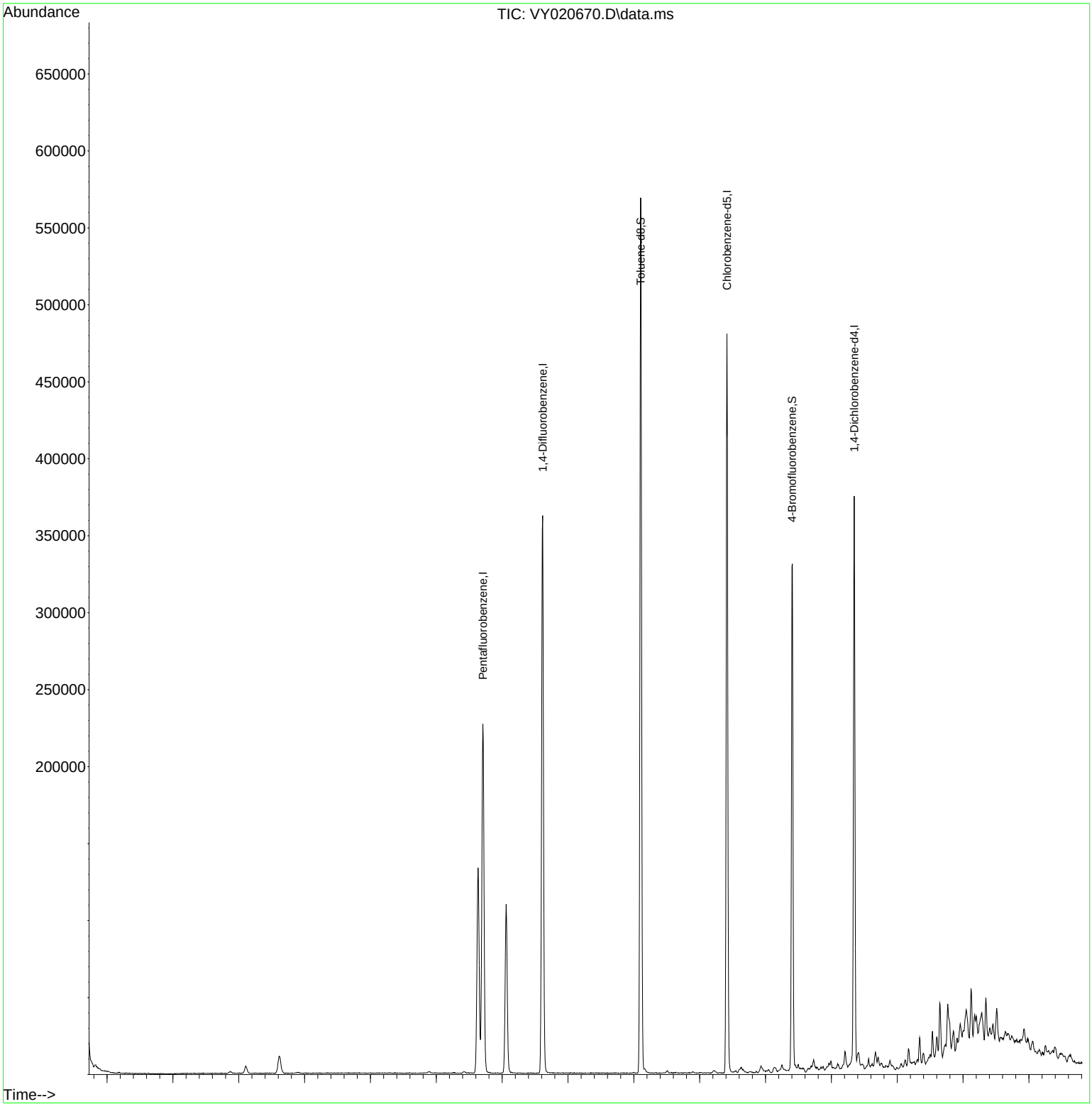
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	174578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	306694	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	251459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	92350	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	86368	45.172	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 90.340%			
35) Dibromofluoromethane	7.634	113	94772	43.845	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 87.700%			
50) Toluene-d8	10.103	98	370910	49.026	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.060%			
62) 4-Bromofluorobenzene	12.401	95	103716	35.046	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 70.100%			
Target Compounds						Qvalue
17) Carbon Disulfide	4.104	76	9216	1.294	ug/l	99
20) Methylene Chloride	4.616	84	8318	3.499	ug/l	93

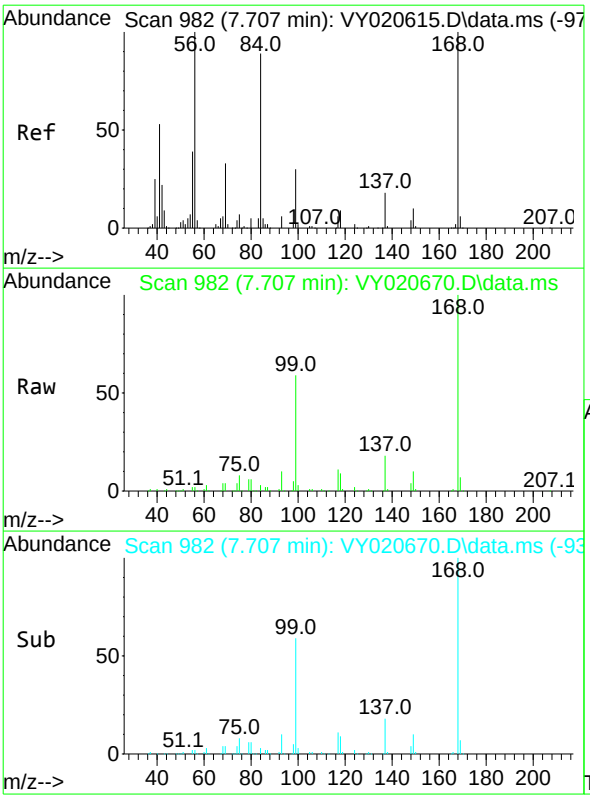
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020670.D
Acq On : 20 Dec 2024 14:57
Operator : SY/MD
Sample : P5316-02
Misc : 4.81g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-2

Quant Time: Dec 20 18:09:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration



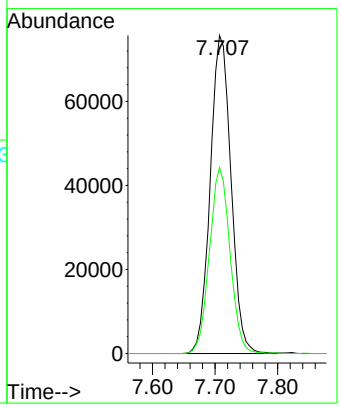


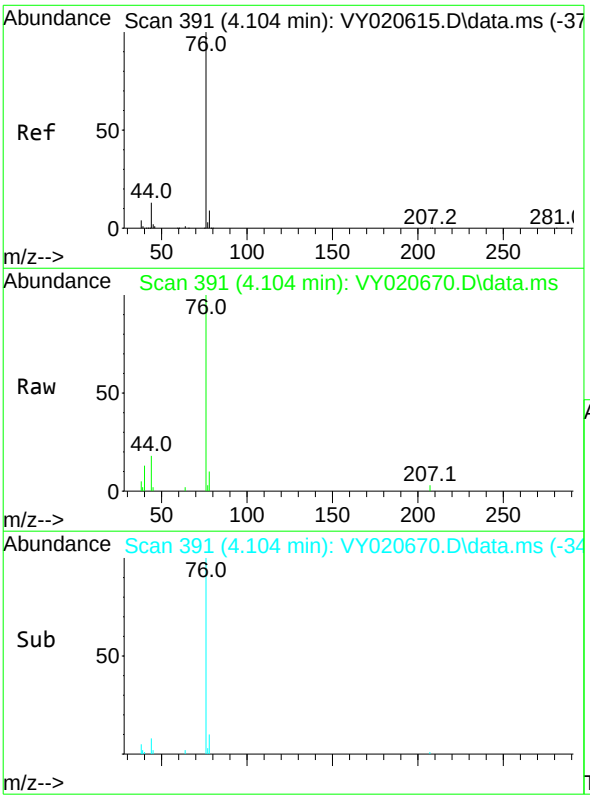
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020670.D
Acq: 20 Dec 2024 14:57

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-2

Tgt Ion:168 Resp: 174578

Ion	Ratio	Lower	Upper
168	100		
99	58.5	47.0	70.6

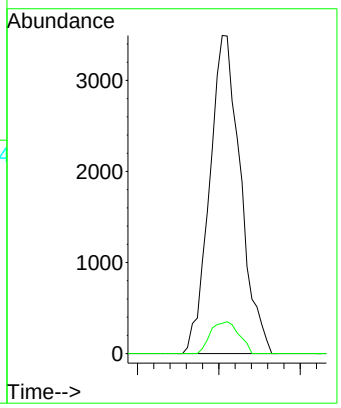


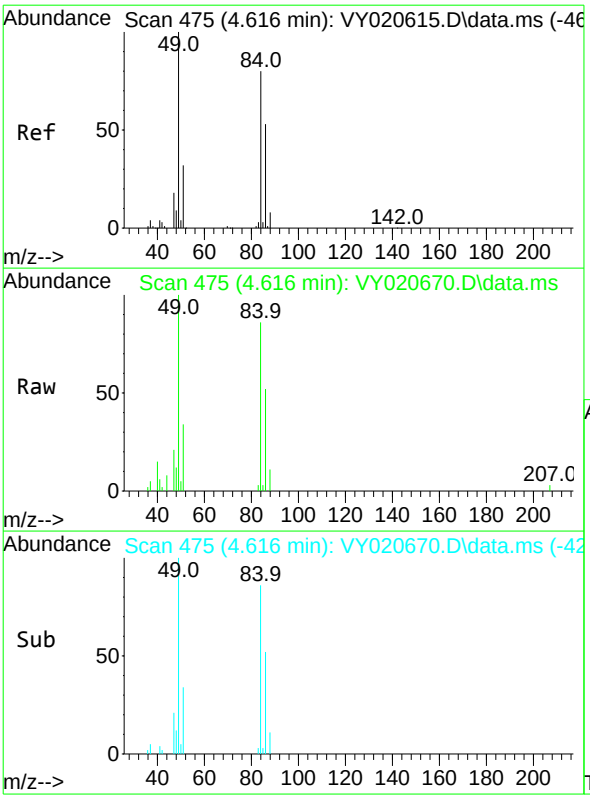


#17
Carbon Disulfide
Concen: 1.294 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY020670.D
Acq: 20 Dec 2024 14:57

Tgt Ion: 76 Resp: 9216

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.2	10.8



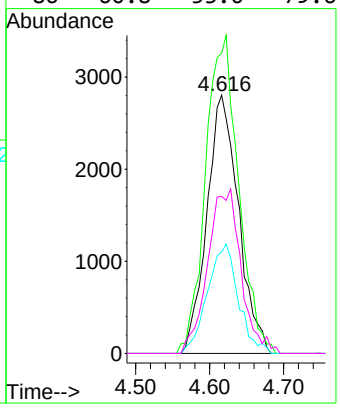


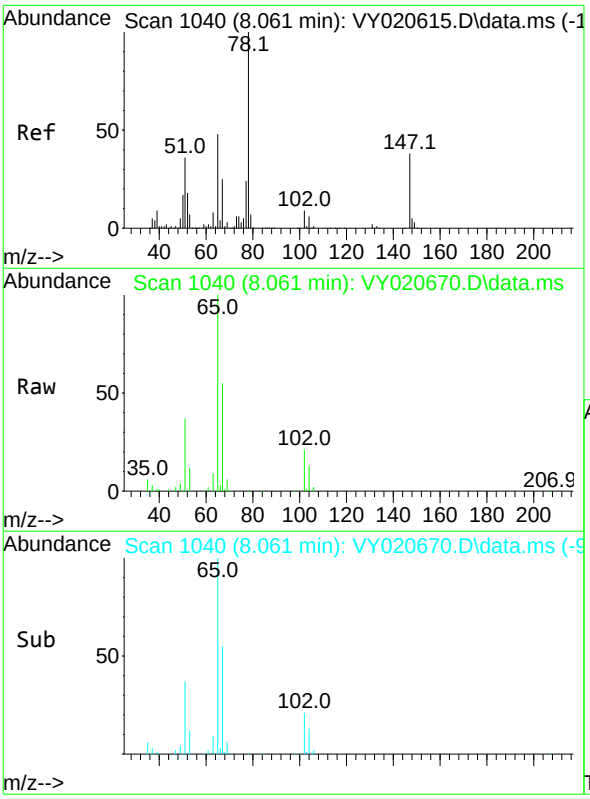
#20
Methylene Chloride
Concen: 3.499 ug/l
RT: 4.616 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY020670.D
Acq: 20 Dec 2024 14:57

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-2

Tgt Ion: 84 Resp: 8318

Ion	Ratio	Lower	Upper
84	100		
49	116.3	100.7	151.1
51	39.3	32.2	48.2
86	60.8	53.0	79.6

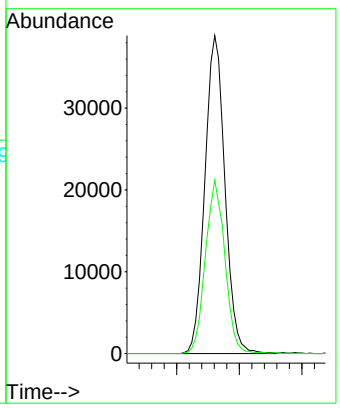


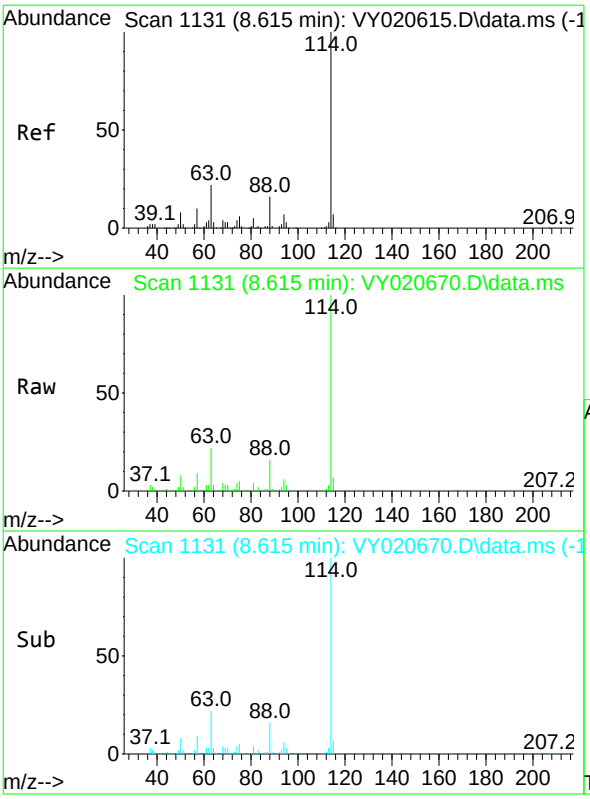


#33
1,2-Dichloroethane-d4
Concen: 45.172 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020670.D
Acq: 20 Dec 2024 14:57

Tgt Ion: 65 Resp: 86368

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	108.0



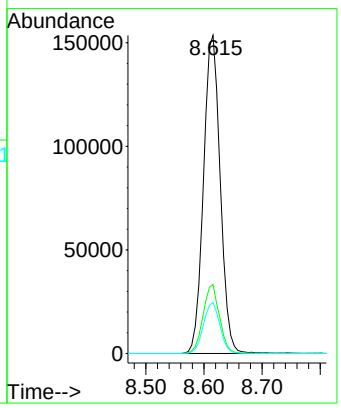


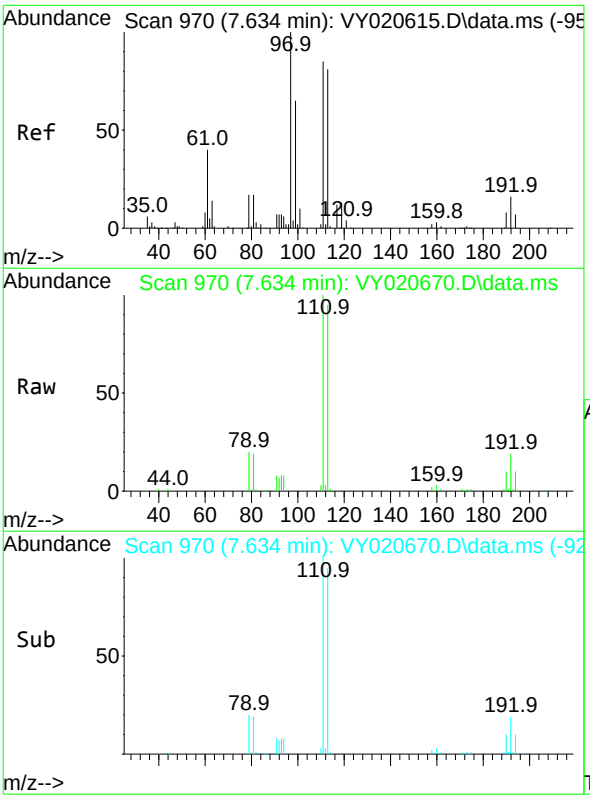
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020670.D
Acq: 20 Dec 2024 14:57

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-2

Tgt Ion:114 Resp: 306694

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	44.0
88	16.0	0.0	32.8

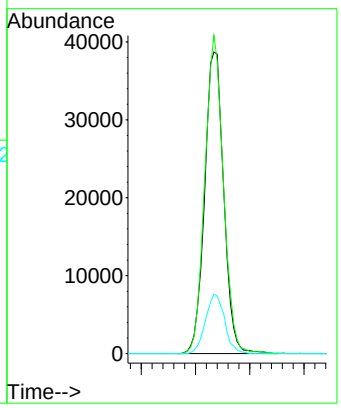


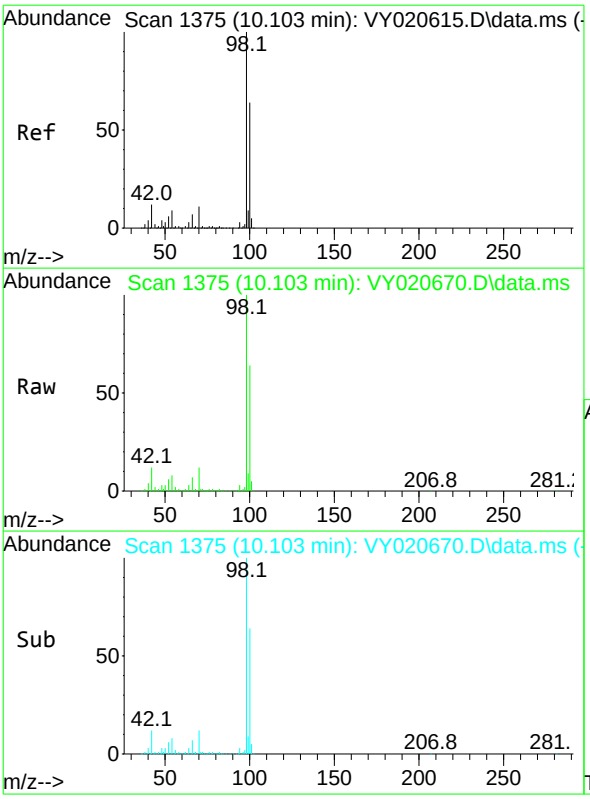


#35
Dibromofluoromethane
Concen: 43.845 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020670.D
Acq: 20 Dec 2024 14:57

Tgt Ion:113 Resp: 94772

Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.9	124.3
192	19.7	15.7	23.5



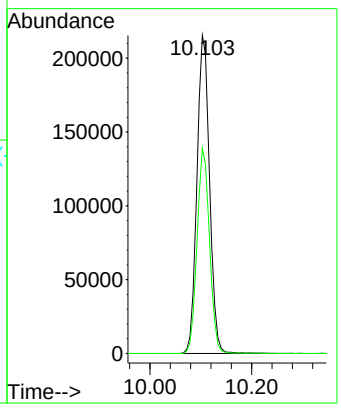


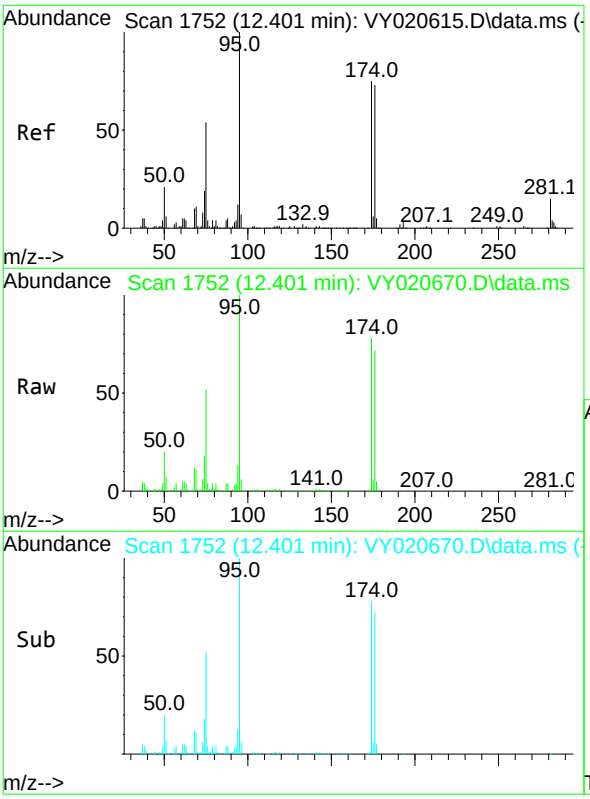
#50
Toluene-d8
Concen: 49.026 ug/l
RT: 10.103 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020670.D
Acq: 20 Dec 2024 14:57

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-2

Tgt Ion: 98 Resp: 370910

Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.1	78.1

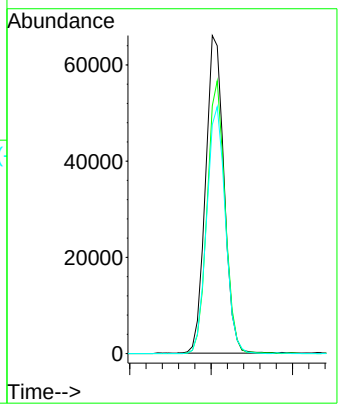


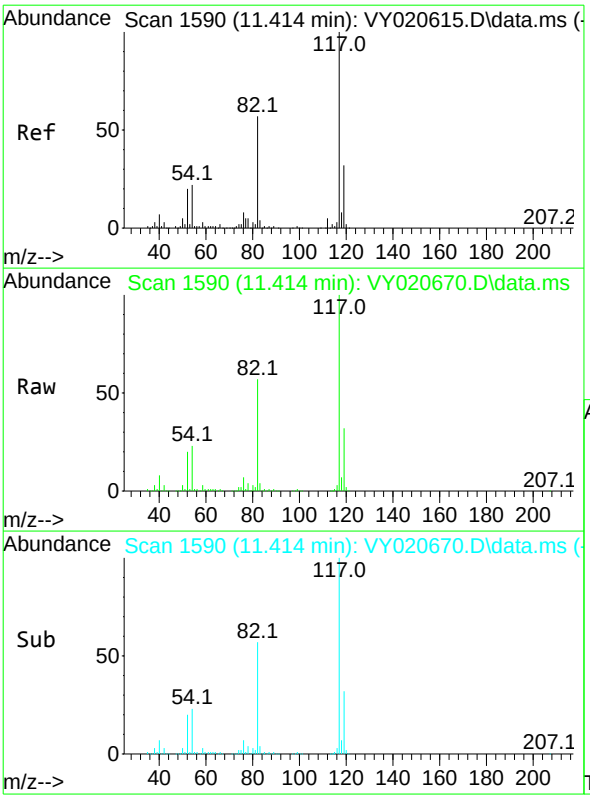


#62
4-Bromofluorobenzene
Concen: 35.046 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY020670.D
Acq: 20 Dec 2024 14:57

Tgt Ion: 95 Resp: 103716

Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	161.8
176	78.5	0.0	156.6



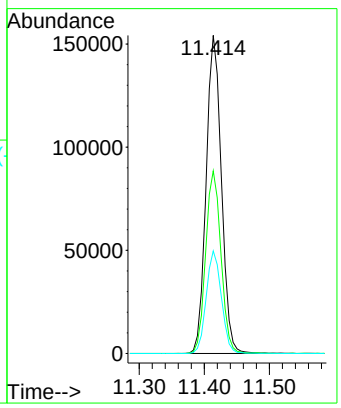


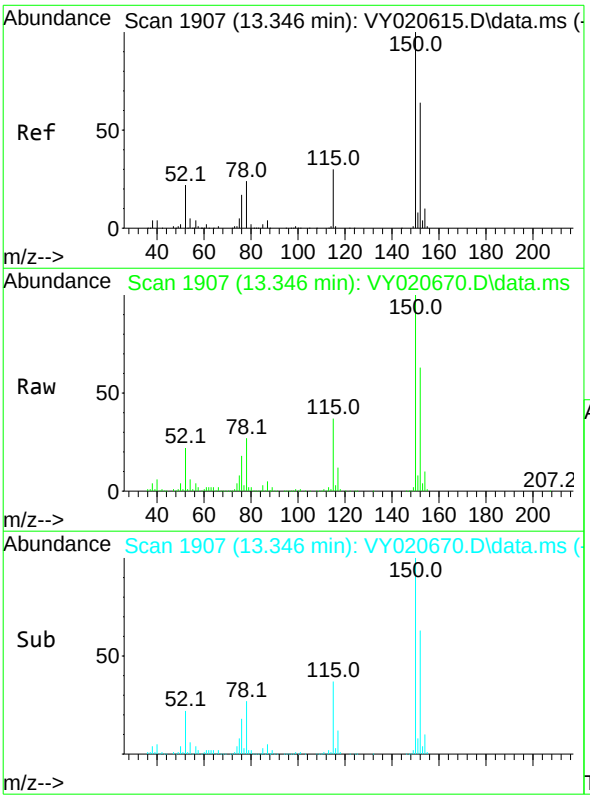
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020670.D
Acq: 20 Dec 2024 14:57

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-2

Tgt Ion:117 Resp: 251459

Ion	Ratio	Lower	Upper
117	100		
82	57.4	45.8	68.6
119	32.3	25.3	37.9

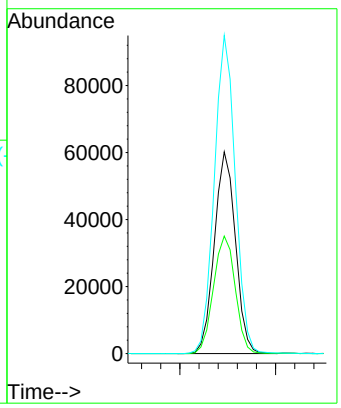




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020670.D
Acq: 20 Dec 2024 14:57

Tgt Ion:152 Resp: 92350

Ion	Ratio	Lower	Upper
152	100		
115	59.9	30.2	90.6
150	156.7	0.0	355.4



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020671.D
Acq On : 20 Dec 2024 15:21
Operator : SY/MD
Sample : P5316-03
Misc : 5.36g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-3

Quant Time: Dec 20 18:09:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

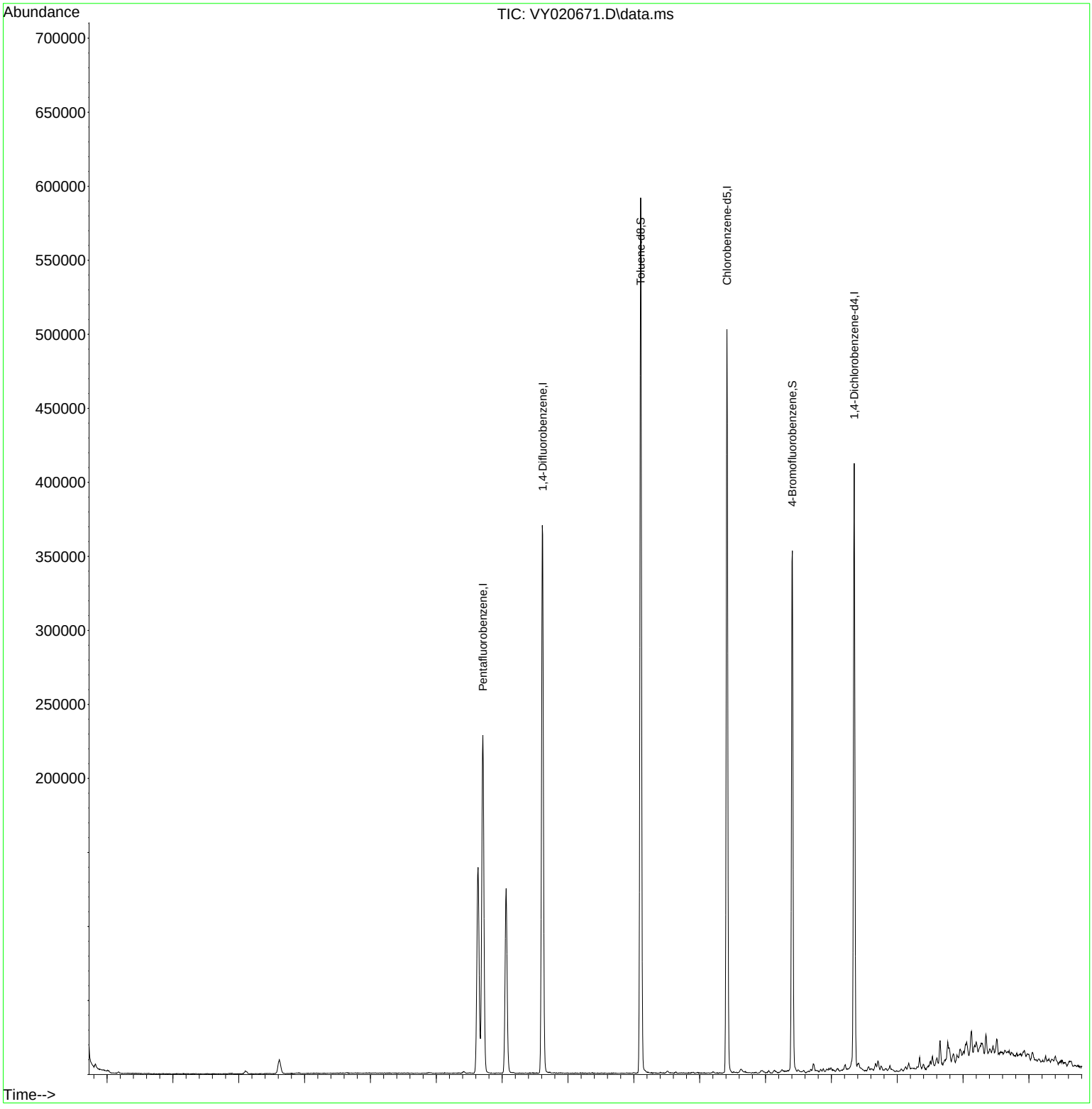
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	176765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	313918	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	264293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	100425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	98670	50.967	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.940%			
35) Dibromofluoromethane	7.634	113	100884	45.599	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.200%			
50) Toluene-d8	10.103	98	377487	48.747	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.500%			
62) 4-Bromofluorobenzene	12.408	95	112544	37.154	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 74.300%			
Target Compounds						Qvalue
20) Methylene Chloride	4.616	84	7073	2.938	ug/l	87

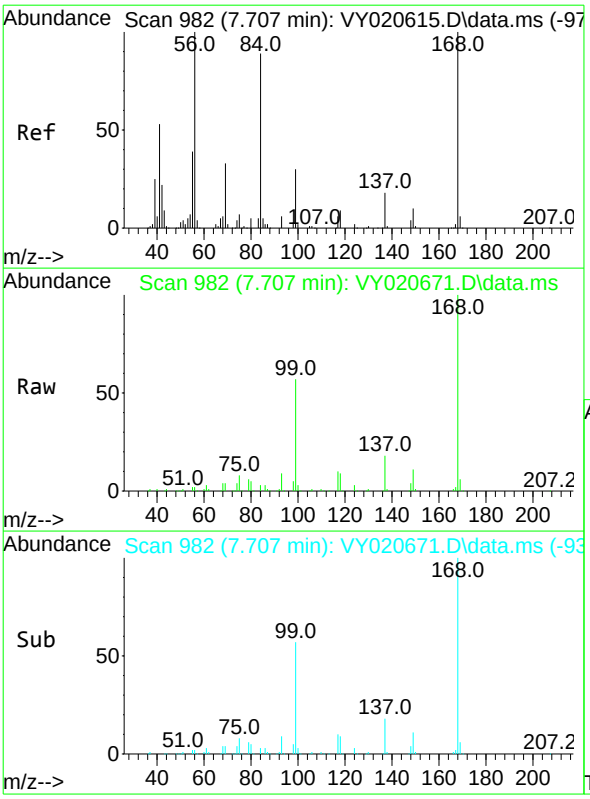
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020671.D
Acq On : 20 Dec 2024 15:21
Operator : SY/MD
Sample : P5316-03
Misc : 5.36g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-3

Quant Time: Dec 20 18:09:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration



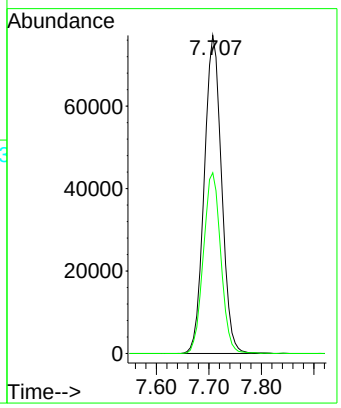


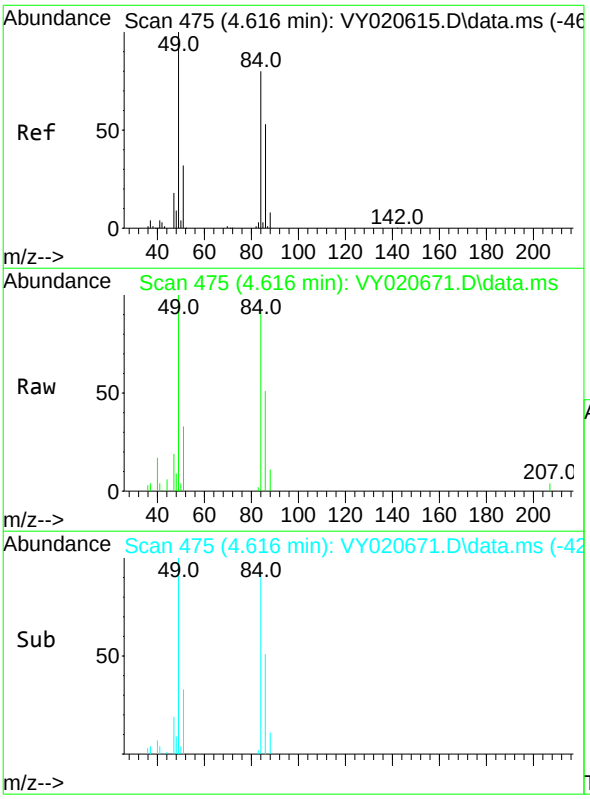
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020671.D
Acq: 20 Dec 2024 15:21

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-3

Tgt Ion:168 Resp: 176765

Ion	Ratio	Lower	Upper
168	100		
99	56.8	47.0	70.6

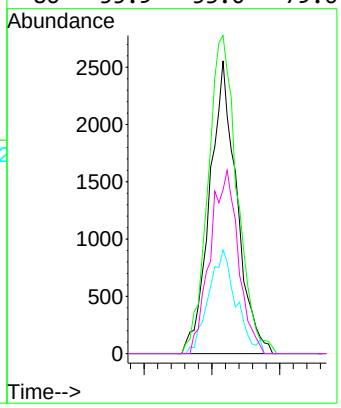


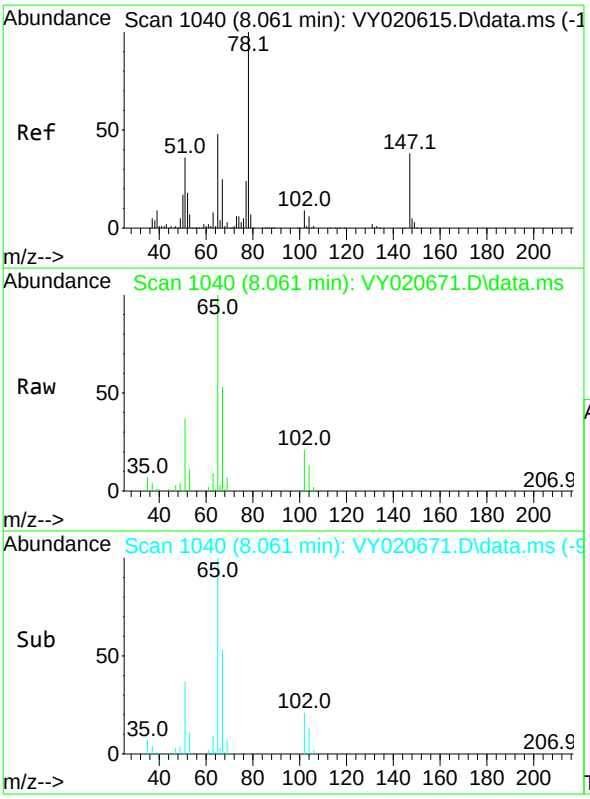


#20
Methylene Chloride
Concen: 2.938 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020671.D
Acq: 20 Dec 2024 15:21

Tgt Ion: 84 Resp: 7073

Ion	Ratio	Lower	Upper
84	100		
49	108.6	100.7	151.1
51	35.4	32.2	48.2
86	55.9	53.0	79.6



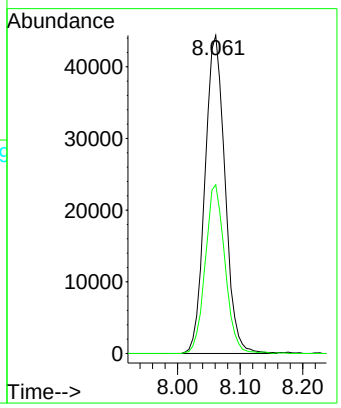


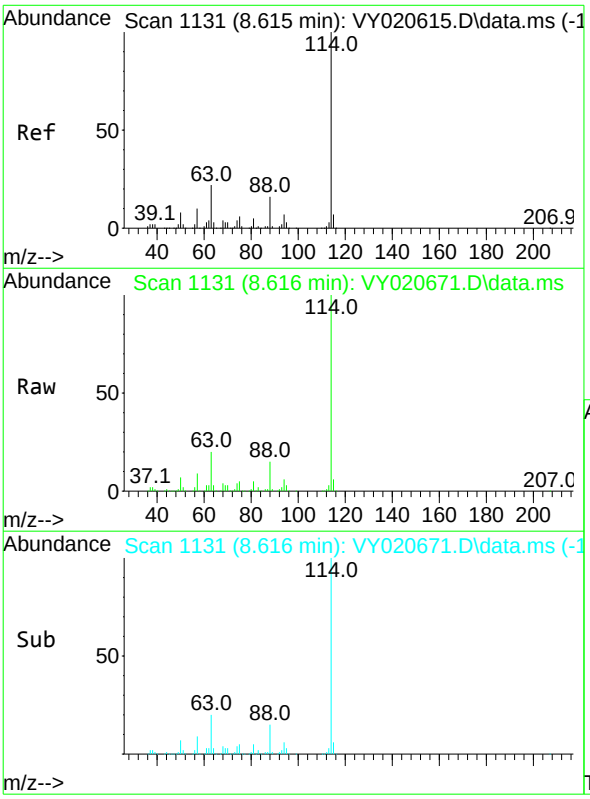
#33
1,2-Dichloroethane-d4
Concen: 50.967 ug/l
RT: 8.061 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020671.D
Acq: 20 Dec 2024 15:21

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-3

Tgt Ion: 65 Resp: 98670

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	108.0

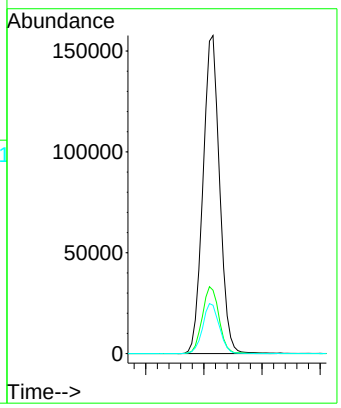


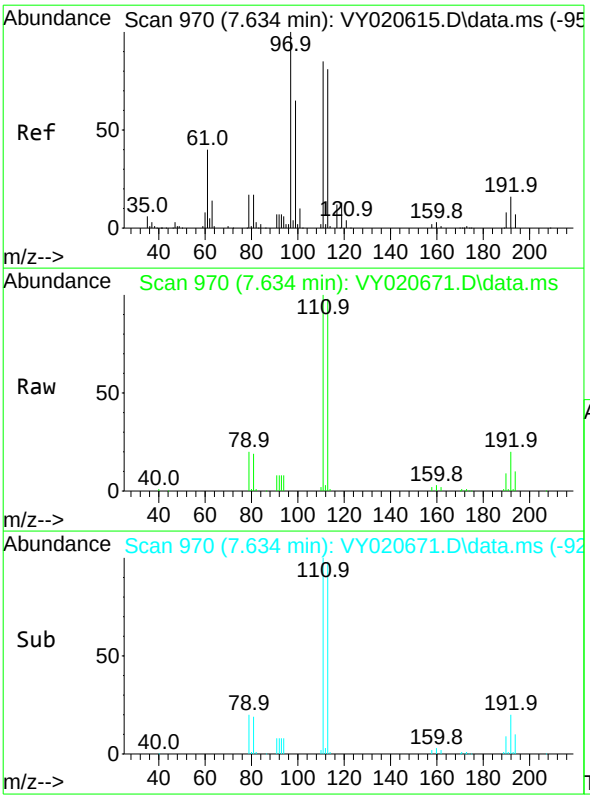


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020671.D
Acq: 20 Dec 2024 15:21

Tgt Ion:114 Resp: 313918

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	44.0
88	15.2	0.0	32.8



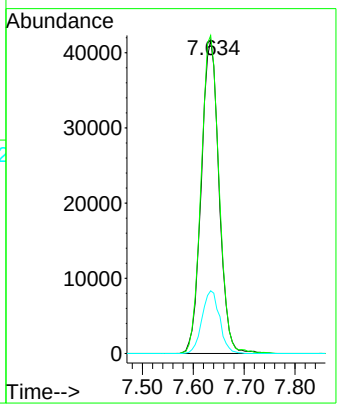


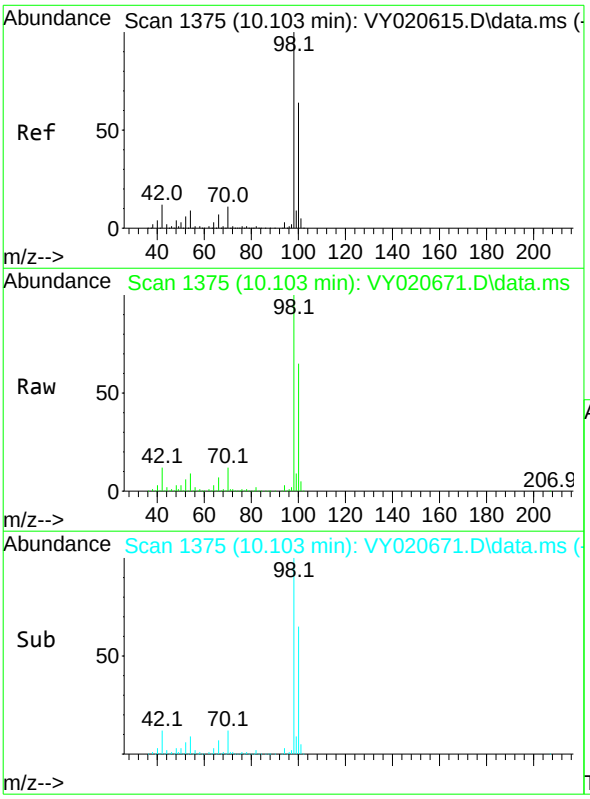
#35
Dibromofluoromethane
Concen: 45.599 ug/l
RT: 7.634 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020671.D
Acq: 20 Dec 2024 15:21

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-3

Tgt Ion:113 Resp: 100884

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.9	124.3
192	19.8	15.7	23.5

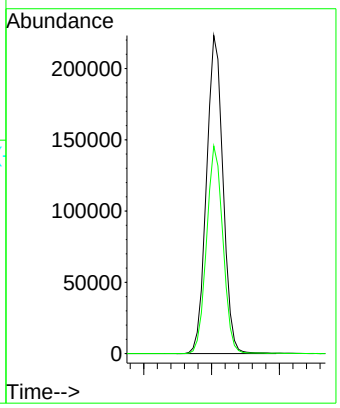


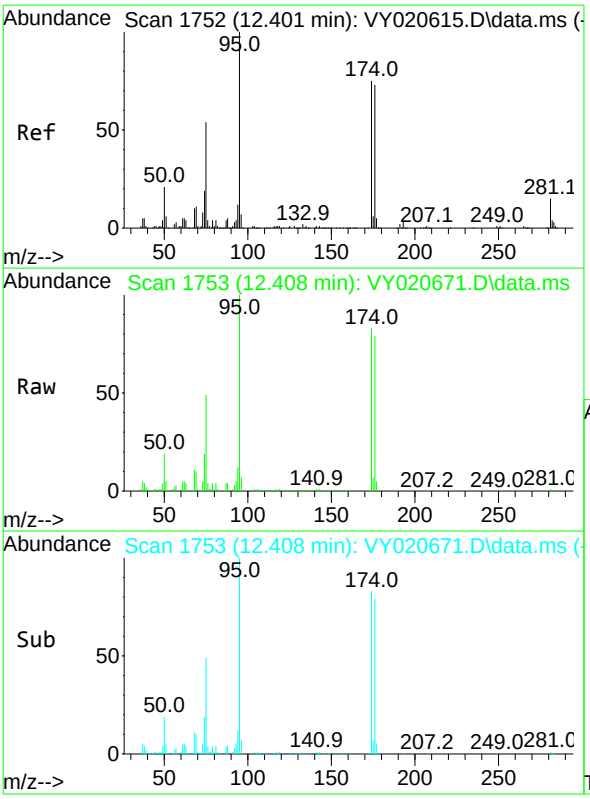


#50
Toluene-d8
Concen: 48.747 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020671.D
Acq: 20 Dec 2024 15:21

Tgt Ion: 98 Resp: 377487

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.1	78.1



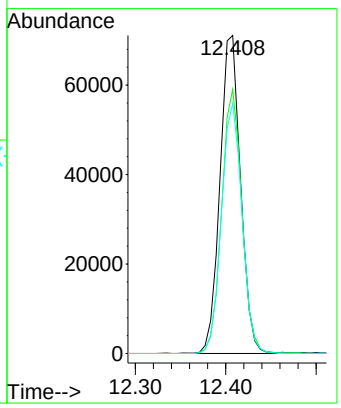


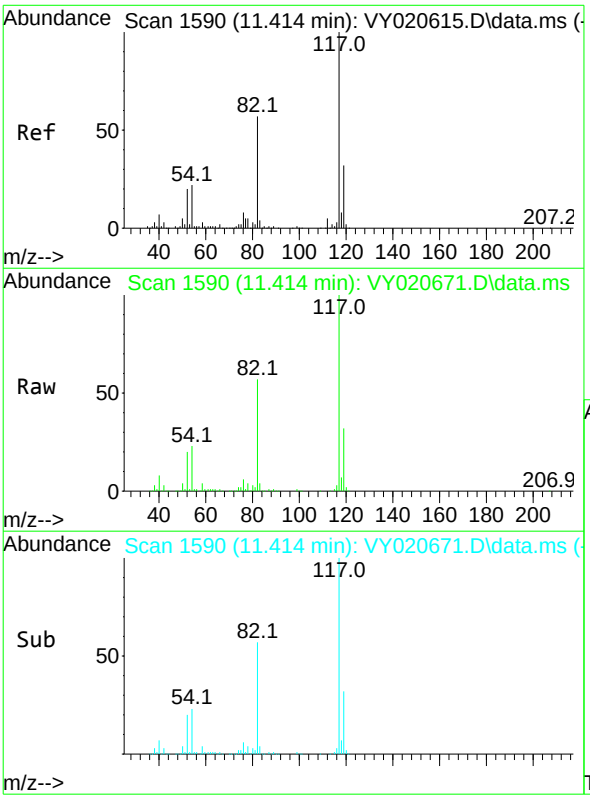
#62
4-Bromofluorobenzene
Concen: 37.154 ug/l
RT: 12.408 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY020671.D
Acq: 20 Dec 2024 15:21

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-3

Tgt Ion: 95 Resp: 112544

Ion	Ratio	Lower	Upper
95	100		
174	81.3	0.0	161.8
176	78.7	0.0	156.6

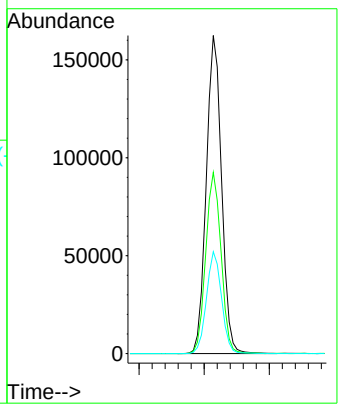


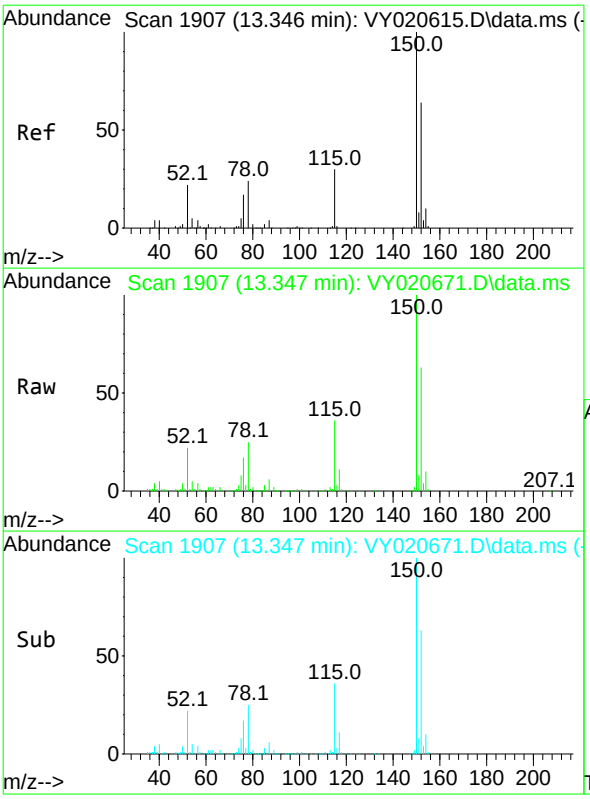


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY020671.D
Acq: 20 Dec 2024 15:21

Tgt Ion:117 Resp: 264293

Ion	Ratio	Lower	Upper
117	100		
82	57.0	45.8	68.6
119	32.0	25.3	37.9



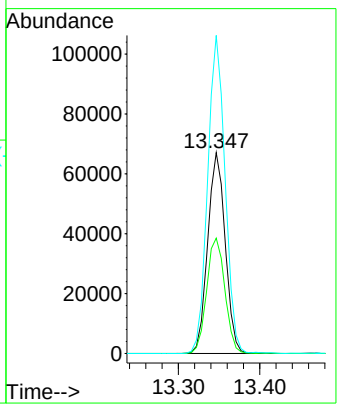


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020671.D
Acq: 20 Dec 2024 15:21

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-3

Tgt Ion:152 Resp: 100425

Ion	Ratio	Lower	Upper
152	100		
115	59.5	30.2	90.6
150	157.6	0.0	355.4



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: P5316

COC Number:

CLIENT INFORMATION

COMPANY: Tetra Tech
ADDRESS: 4433 Corporation Ln, Suite 300
CITY: Virginia Beach STATE: VA ZIP: 23462
ATTENTION: Ernie Wu
PHONE: 757-466-4901 FAX: 757-461-4148

PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT #: 112G08005-WE13 LOCATION: Soil IDW
PROJECT MANAGER: Ernie Wu
E-MAIL: ernie.wu@tetratech.com
PHONE: 757-466-4901 FAX: 757-461-4148

BILLING INFORMATION

BILL TO: SEE CONTRACT PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: 48hrs DAYS*
HARD COPY: 48hrs DAYS*
EDD 48hrs DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESEULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other
- ☐ EDD Format

ANALYSIS

	1	2	3	4	5	6	7	8	9
	NYSDEC 375-6.8(b) VOC	% Solids	NYSDEC 375-6.8(b) Metals	NYSDEC-375-6.8(b) PCB/Pest; NYSDEC 375-6.8(b) SVOCs					

PRESERVATIVES

COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	1	2	3	4	5	6	7	8	9
1.	TT-304-IDWSO-20241217-1	SOIL	X		12/17/24	13:00	6	3	1	1	1					
2.	TT-304-IDWSO-20241217-2	SOIL	X		12/17/24	13:05	4	3	1							
3.	TT-304-IDWSO-20241217-3	SOIL	X		12/17/24	13:10	4	3	1							
4.	TT-304-IDWSO-20241217-4	SOIL	X		12/17/24	13:15	4	3	1							
5.	TT-304-IDWSO-20241217-5	SOIL	X		12/17/24	13:20	4	3	1							
6.																
7.																
8.																
9.																
10.																

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.	12/17/24 1400	1. 1530 12-17-24
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.	12-17-24 1830	3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 2.9c
MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?:
Comments: 48 hrs TAT - CTO-WE13 Drilling Soil IDW Sampling - NYSDEC 375-6.8(b) VOC

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

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P5316 TETR06
Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
Invoice Contact : Ernie Wu

Order Date : 12/17/2024 3:44:00 PM
Project Name : CTO WE13
Receive DateTime : 12/17/2024 ~~12:00:00~~ 18:30 AM
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
P5316-01	TT-304-IDWSO-20241217-1	Solid	12/17/2024	13:00						
					VOCMS Group4		8260D	~~10~~ Bus. Days		2 days
P5316-02	TT-304-IDWSO-20241217-2	Solid	12/17/2024	13:05						
					VOCMS Group4		8260D	~~10~~ Bus. Days		
P5316-03	TT-304-IDWSO-20241217-3	Solid	12/17/2024	13:10						
					VOCMS Group4		8260D	~~10~~ Bus. Days		
P5316-04	TT-304-IDWSO-20241217-4	Solid	12/17/2024	13:15						
					VOCMS Group4		8260D	~~10~~ Bus. Days		
~~P5316-05~~	~~TT-304-IDWSO-20241217-5~~	~~Solid~~	~~12/17/2024~~	~~13:20~~						
					~~VOCMS Group4~~		~~8260D~~	~~10 Bus. Days~~		

Relinguished By : cl
Date / Time : 12-18-24 1045

Received By : gl
Date / Time : 12-17-24 10:45

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020613.D
Acq On : 17 Dec 2024 10:01
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Dec 18 04:50:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	170610	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	263150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	228550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	127910	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	21133	11.310	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	22.620%#		
35) Dibromofluoromethane	7.634	113	20262	10.925	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.860%#		
50) Toluene-d8	10.103	98	69155	10.653	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	21.300%#		
62) 4-Bromofluorobenzene	12.401	95	28323	11.154	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	22.300%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	23136	10.857	ug/l	100
3) Chloromethane	2.068	50	16735	10.599	ug/l	98
4) Vinyl Chloride	2.202	62	15133	10.297	ug/l	98
5) Bromomethane	2.598	94	9934	10.516	ug/l	95
6) Chloroethane	2.732	64	9308	10.249	ug/l	93
7) Trichlorofluoromethane	3.062	101	33462	10.882	ug/l	97
8) Diethyl Ether	3.458	74	11799	10.941	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.824	101	24382	11.062	ug/l	99
10) Methyl Iodide	4.007	142	27400	11.166	ug/l	96
11) Tert butyl alcohol	4.842	59	18830	72.145	ug/l #	90
12) 1,1-Dichloroethene	3.793	96	23914	11.182	ug/l	98
13) Acrolein	3.653	56	6650	75.266	ug/l	100
14) Allyl chloride	4.385	41	42157	11.250	ug/l	98
15) Acrylonitrile	5.061	53	30489	59.095	ug/l	99
16) Acetone	3.873	43	24059	59.918	ug/l	92
17) Carbon Disulfide	4.110	76	79000	11.348	ug/l	98
18) Methyl Acetate	4.391	43	16164	12.714	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	61370	11.118	ug/l	99
20) Methylene Chloride	4.622	84	25848	11.126	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	26315	10.969	ug/l	97
22) Diisopropyl ether	6.018	45	83653	10.997	ug/l	94
23) Vinyl Acetate	5.964	43	241892	56.147	ug/l	100
24) 1,1-Dichloroethane	5.915	63	47807	10.728	ug/l	99
25) 2-Butanone	6.896	43	41782	60.169	ug/l	100
26) 2,2-Dichloropropane	6.884	77	46620	11.067	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	29841	10.812	ug/l	97
28) Bromochloromethane	7.250	49	14872	9.894	ug/l	98
29) Tetrahydrofuran	7.262	42	26233	59.842	ug/l	99
30) Chloroform	7.421	83	60327	9.156	ug/l	98
31) Cyclohexane	7.701	56	47368	11.117	ug/l #	93
32) 1,1,1-Trichloroethane	7.616	97	44299	10.820	ug/l	100
36) 1,1-Dichloropropene	7.835	75	36347	10.748	ug/l	99
37) Ethyl Acetate	6.982	43	19950	12.541	ug/l	99
38) Carbon Tetrachloride	7.823	117	40394	10.796	ug/l	95
39) Methylcyclohexane	9.103	83	46462	10.541	ug/l	97
40) Benzene	8.079	78	108150	10.910	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020613.D
Acq On : 17 Dec 2024 10:01
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Dec 18 04:50:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.226	41	9800	11.653 ug/l	95
42) 1,2-Dichloroethane	8.158	62	28739	10.931 ug/l	98
43) Isopropyl Acetate	8.195	43	35299	11.721 ug/l #	88
44) Trichloroethene	8.866	130	26388	10.834 ug/l	96
45) 1,2-Dichloropropane	9.140	63	24889	10.743 ug/l	100
46) Dibromomethane	9.231	93	13764	11.242 ug/l	99
47) Bromodichloromethane	9.420	83	35352	10.689 ug/l	98
48) Methyl methacrylate	9.219	41	16060	11.218 ug/l	99
49) 1,4-Dioxane	9.225	88	3340	237.872 ug/l #	95
51) 4-Methyl-2-Pentanone	9.999	43	95663	60.180 ug/l	100
52) Toluene	10.170	92	65651	10.657 ug/l	98
53) t-1,3-Dichloropropene	10.390	75	33566	10.892 ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	39068	10.698 ug/l	93
55) 1,1,2-Trichloroethane	10.573	97	18100	11.181 ug/l	96
56) Ethyl methacrylate	10.438	69	25543	10.877 ug/l	99
57) 1,3-Dichloropropane	10.713	76	32029	11.099 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	51913	52.537 ug/l	100
59) 2-Hexanone	10.755	43	59126	57.933 ug/l	100
60) Dibromochloromethane	10.908	129	23549	10.878 ug/l	99
61) 1,2-Dibromoethane	11.012	107	16807	11.162 ug/l	99
64) Tetrachloroethene	10.646	164	23098	10.744 ug/l	96
65) Chlorobenzene	11.438	112	68621	10.738 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	24180	11.065 ug/l	98
67) Ethyl Benzene	11.518	91	125547	10.649 ug/l	99
68) m/p-Xylenes	11.627	106	94273	21.506 ug/l	98
69) o-Xylene	11.950	106	43697	10.684 ug/l	100
70) Styrene	11.969	104	72514	10.612 ug/l	99
71) Bromoform	12.127	173	13822	11.250 ug/l #	100
73) Isopropylbenzene	12.255	105	118590	10.624 ug/l	99
74) N-amyl acetate	12.066	43	28977	11.093 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	20569	11.352 ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	27338	20.751 ug/l #	100
77) Bromobenzene	12.530	156	25752	10.591 ug/l	97
78) n-propylbenzene	12.597	91	142396	10.588 ug/l	100
79) 2-Chlorotoluene	12.676	91	79651	10.527 ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	94672	10.453 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	6908	10.913 ug/l	93
82) 4-Chlorotoluene	12.773	91	81482	10.380 ug/l	98
83) tert-Butylbenzene	12.993	119	86405	10.534 ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	93630	10.539 ug/l	98
85) sec-Butylbenzene	13.176	105	125189	10.497 ug/l	99
86) p-Isopropyltoluene	13.292	119	101690	10.342 ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	50691	10.561 ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	50665	10.658 ug/l	97
89) n-Butylbenzene	13.615	91	96052	10.307 ug/l	99
90) Hexachloroethane	13.877	117	20324	10.430 ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	44391	10.674 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3406	11.579 ug/l	91
93) 1,2,4-Trichlorobenzene	14.919	180	24954	9.920 ug/l	98
94) Hexachlorobutadiene	15.023	225	16620	10.107 ug/l	97
95) Naphthalene	15.145	128	42698	9.901 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	20408	9.602 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020613.D
Acq On : 17 Dec 2024 10:01
Operator : SY/MD
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Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Dec 18 04:50:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020613.D
Acq On : 17 Dec 2024 10:01
Operator : SY/MD
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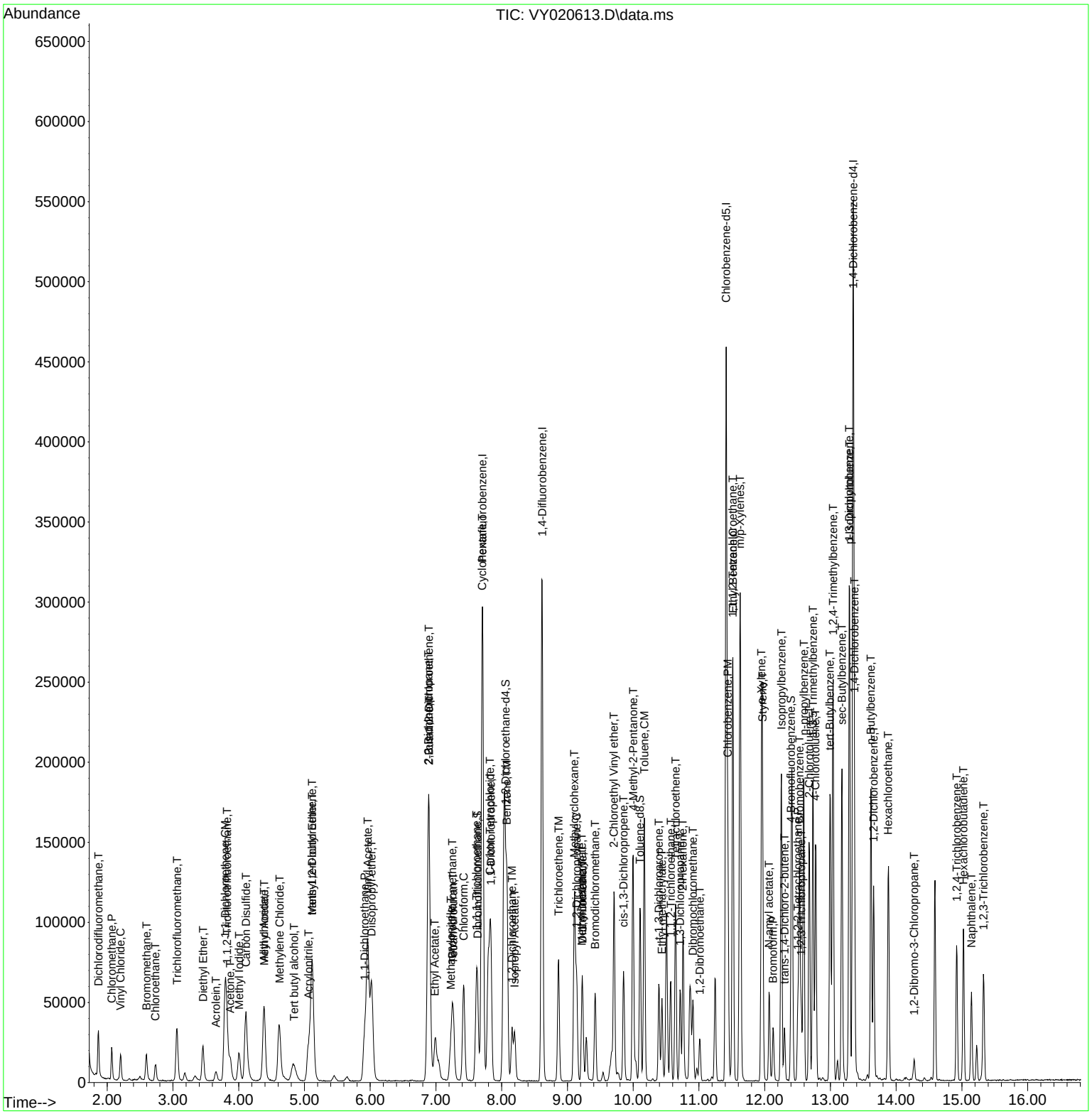
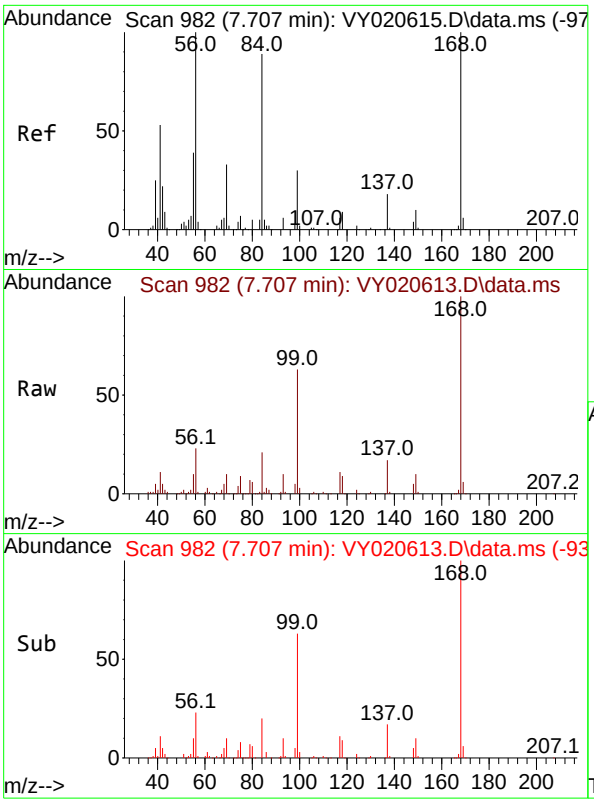
Quant Time: Dec 18 04:50:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration



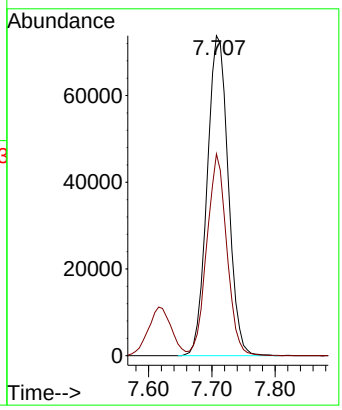


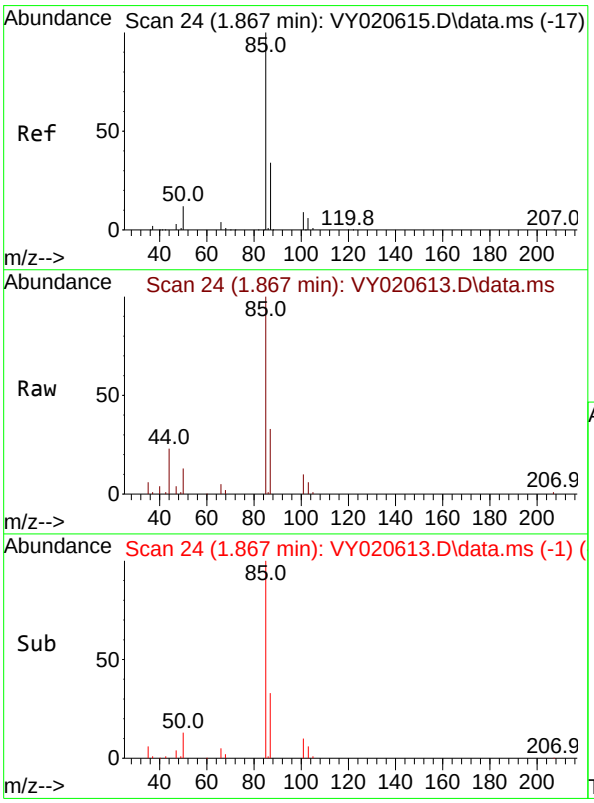
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 170610

Ion	Ratio	Lower	Upper
168	100		
99	62.9	47.0	70.6

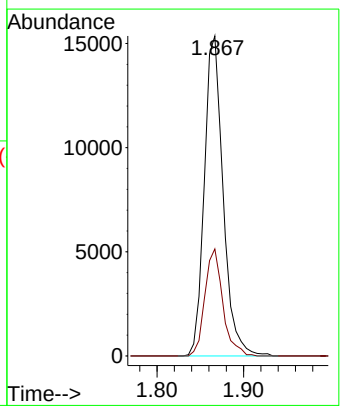


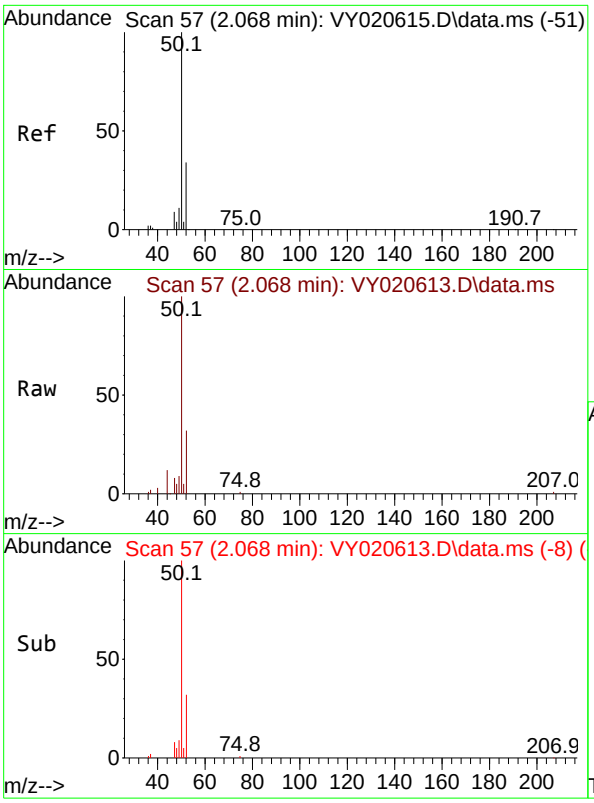


#2
Dichlorodifluoromethane
Concen: 10.857 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 85 Resp: 23136

Ion	Ratio	Lower	Upper
85	100		
87	33.4	16.8	50.3



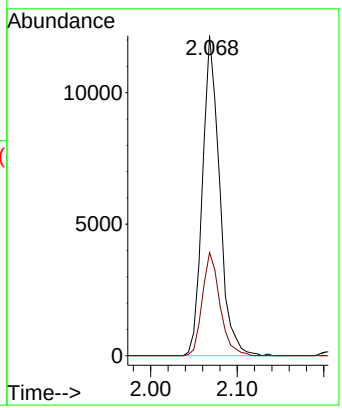


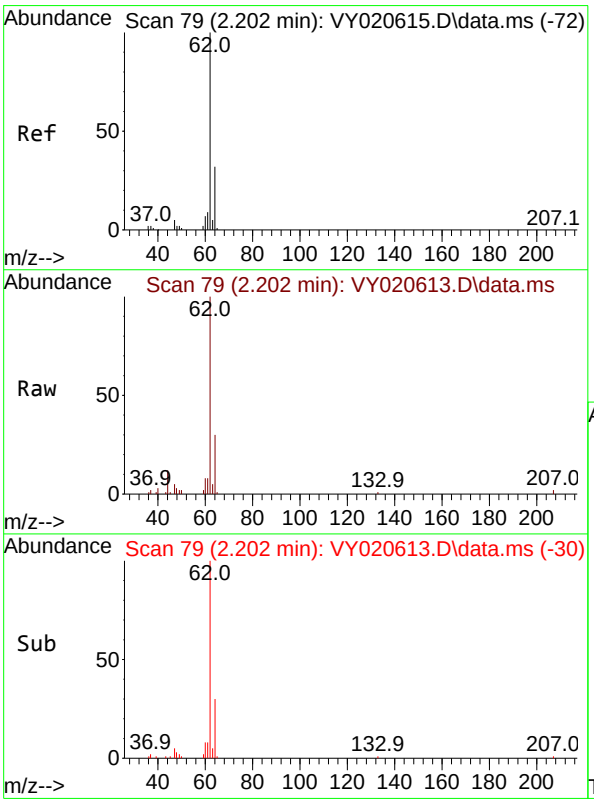
#3
Chloromethane
Concen: 10.599 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 16735

Ion	Ratio	Lower	Upper
50	100		
52	32.3	26.8	40.2

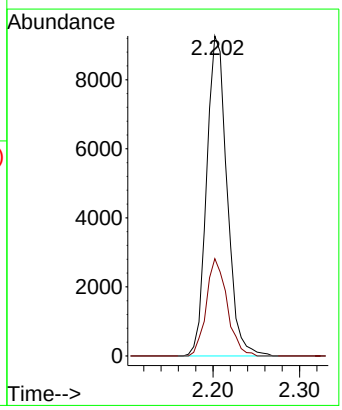


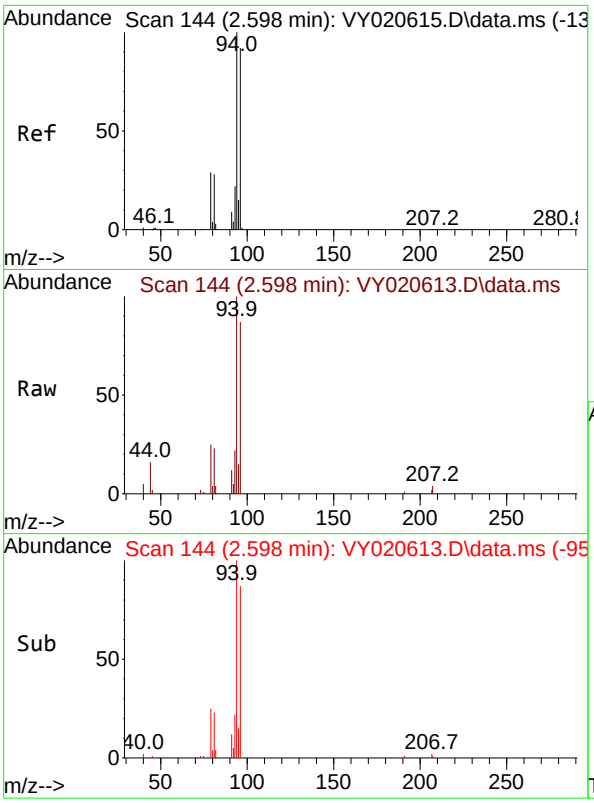


#4
Vinyl Chloride
Concen: 10.297 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 62 Resp: 15133

Ion	Ratio	Lower	Upper
62	100		
64	30.4	25.3	37.9



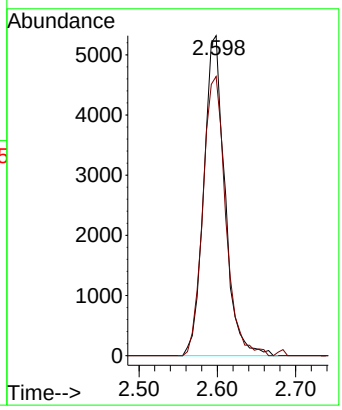


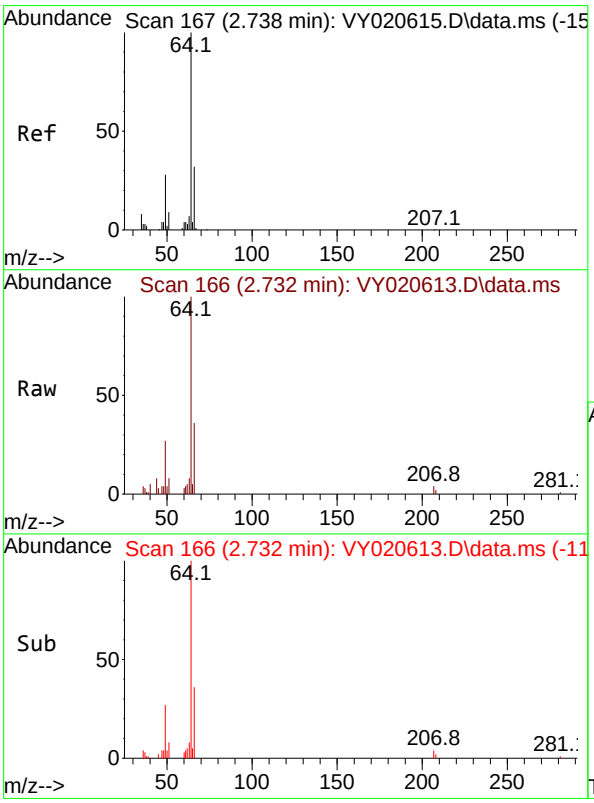
#5
Bromomethane
Concen: 10.516 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 9934

Ion	Ratio	Lower	Upper
94	100		
96	87.3	73.8	110.6

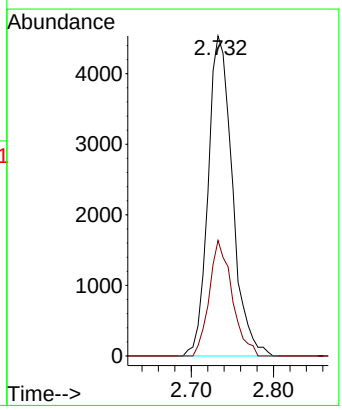


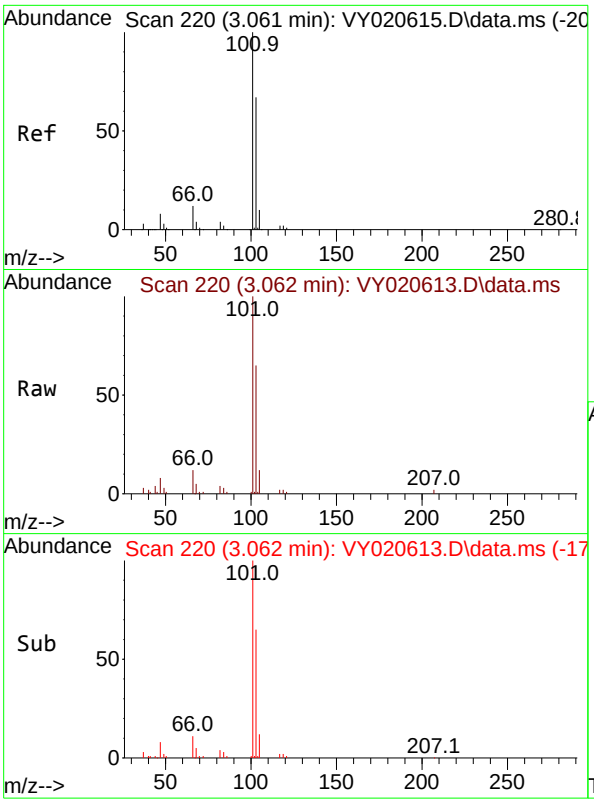


#6
Chloroethane
Concen: 10.249 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 64 Resp: 9308

Ion	Ratio	Lower	Upper
64	100		
66	36.1	25.8	38.6



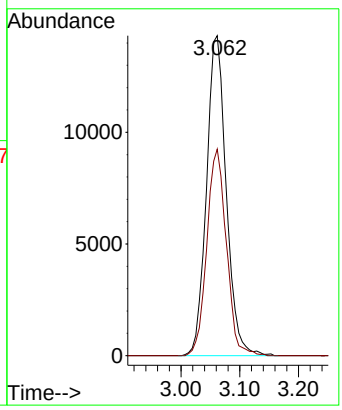


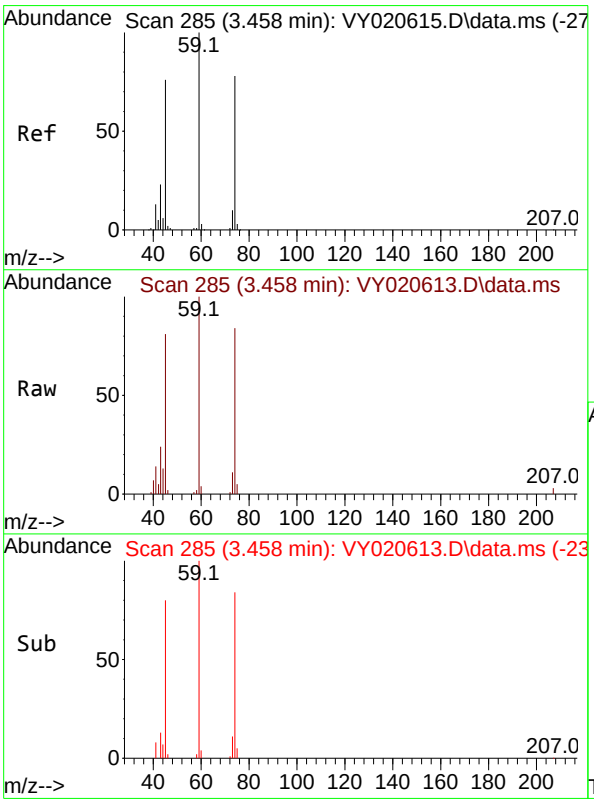
#7
Trichlorofluoromethane
Concen: 10.882 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 33462

Ion	Ratio	Lower	Upper
101	100		
103	64.6	53.4	80.0

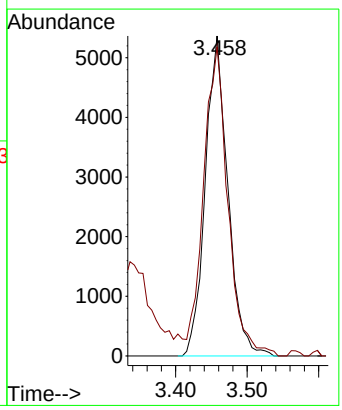


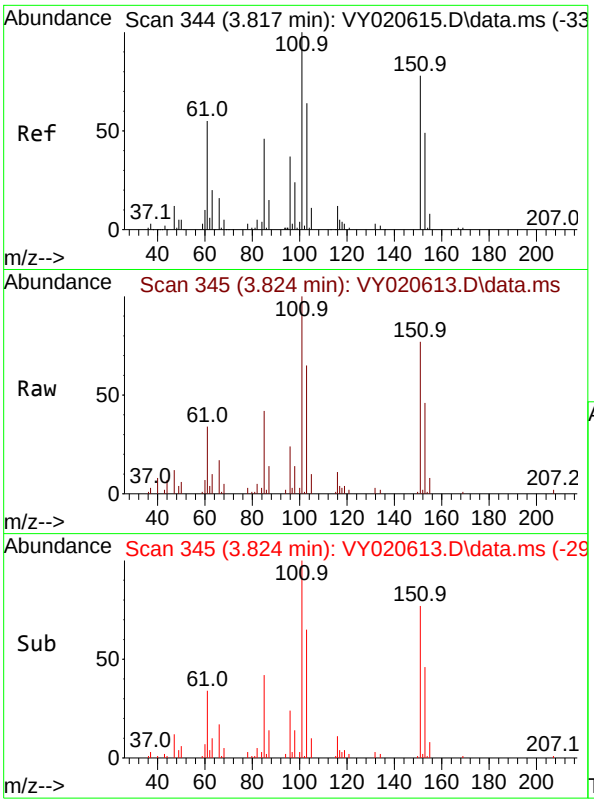


#8
Diethyl Ether
Concen: 10.941 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 74 Resp: 11799

Ion	Ratio	Lower	Upper
74	100		
45	103.6	49.0	147.2



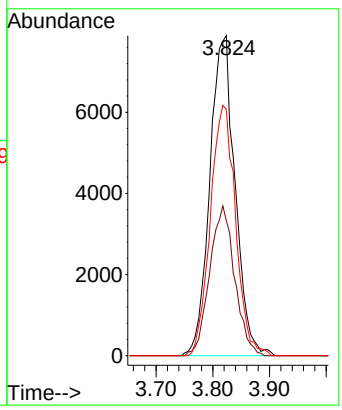


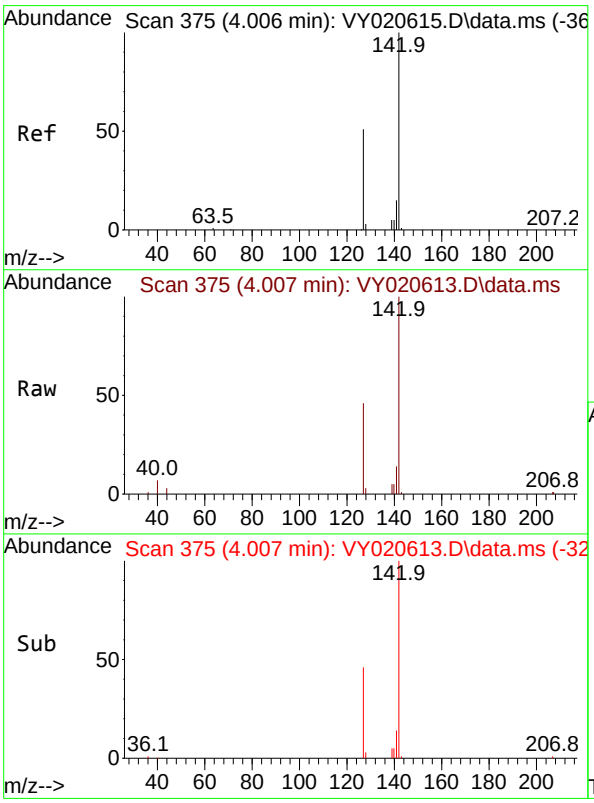
#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.062 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 24382

Ion	Ratio	Lower	Upper
101	100		
85	46.3	36.6	54.8
151	78.2	61.5	92.3

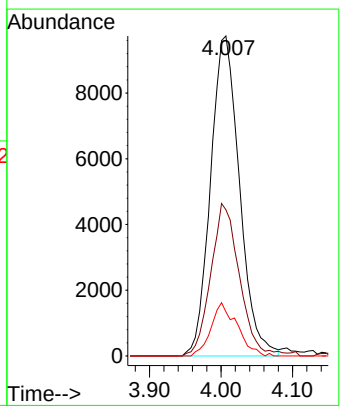


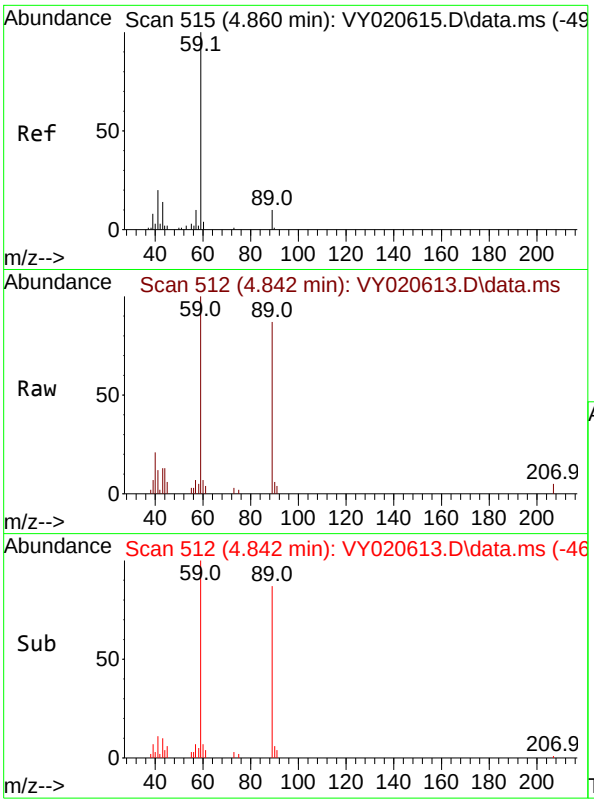


#10
Methyl Iodide
Concen: 11.166 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.001 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:142 Resp: 27400

Ion	Ratio	Lower	Upper
142	100		
127	47.4	40.6	61.0
141	15.0	11.7	17.5



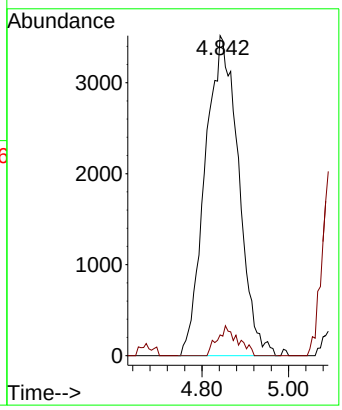


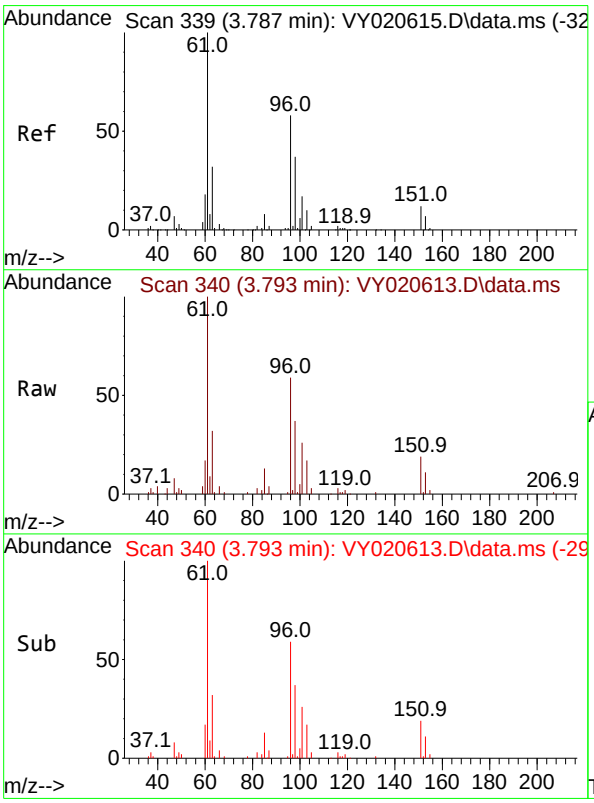
#11
Tert butyl alcohol
Concen: 72.145 ug/l
RT: 4.842 min Scan# 5
Delta R.T. -0.018 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 59 Resp: 18830

Ion	Ratio	Lower	Upper
59	100		
57	5.7	7.4	11.0#

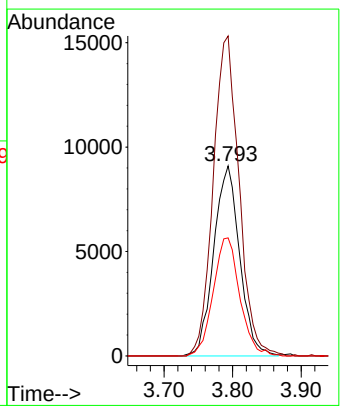


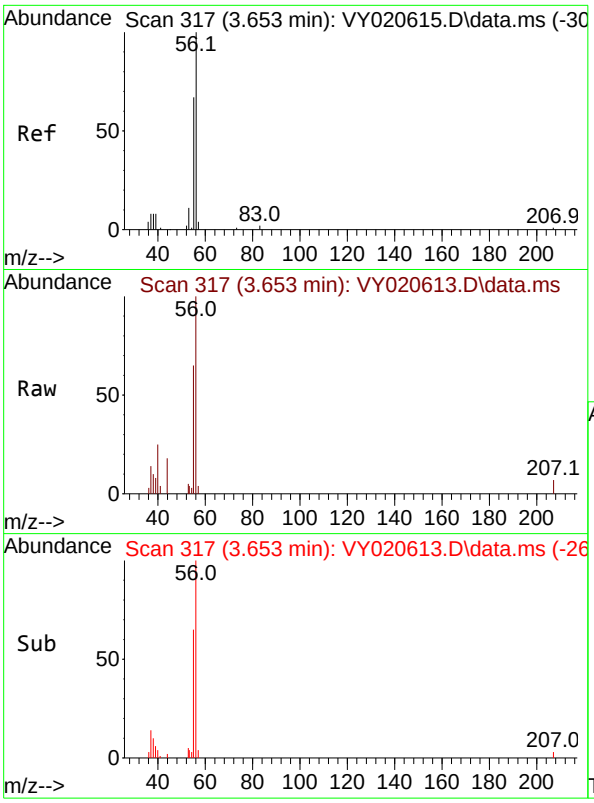


#12
1,1-Dichloroethene
Concen: 11.182 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 96 Resp: 23914

Ion	Ratio	Lower	Upper
96	100		
61	168.3	136.9	205.3
98	62.2	50.2	75.4



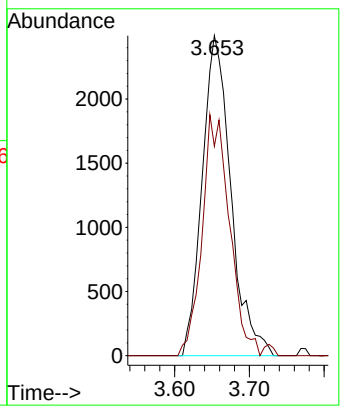


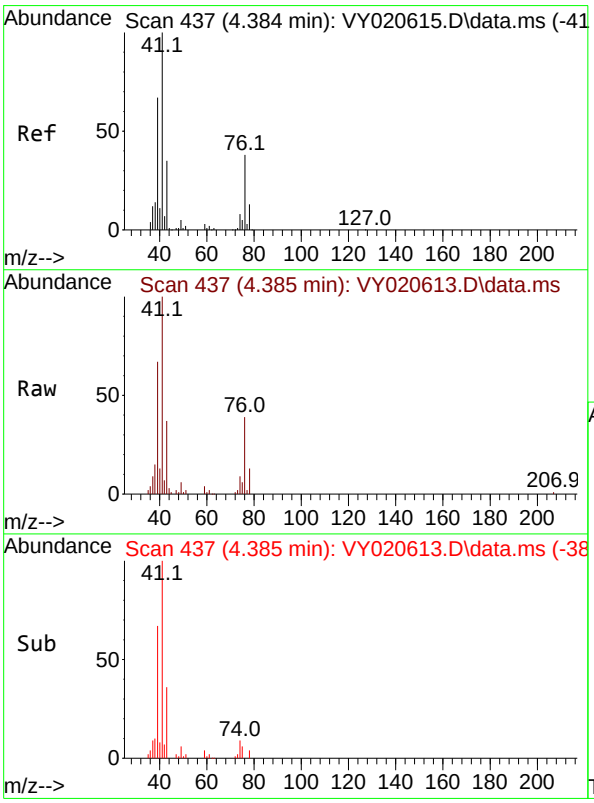
#13
Acrolein
Concen: 75.266 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 6650

Ion	Ratio	Lower	Upper
56	100		
55	71.7	57.5	86.3

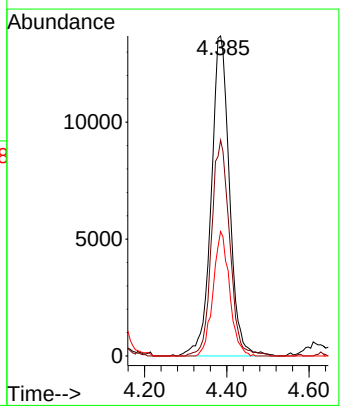


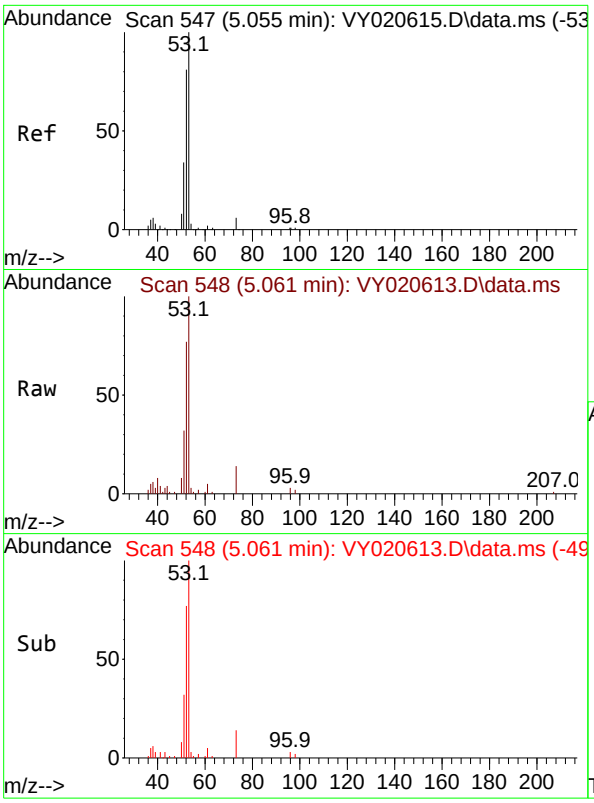


#14
Allyl chloride
Concen: 11.250 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 41 Resp: 42157

Ion	Ratio	Lower	Upper
41	100		
39	67.0	53.0	79.4
76	35.2	29.5	44.3



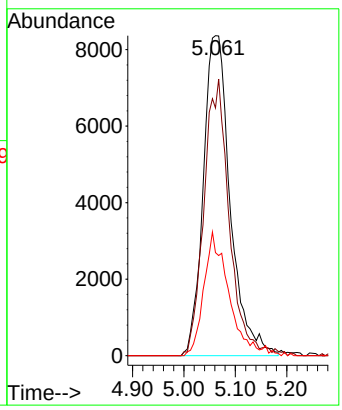


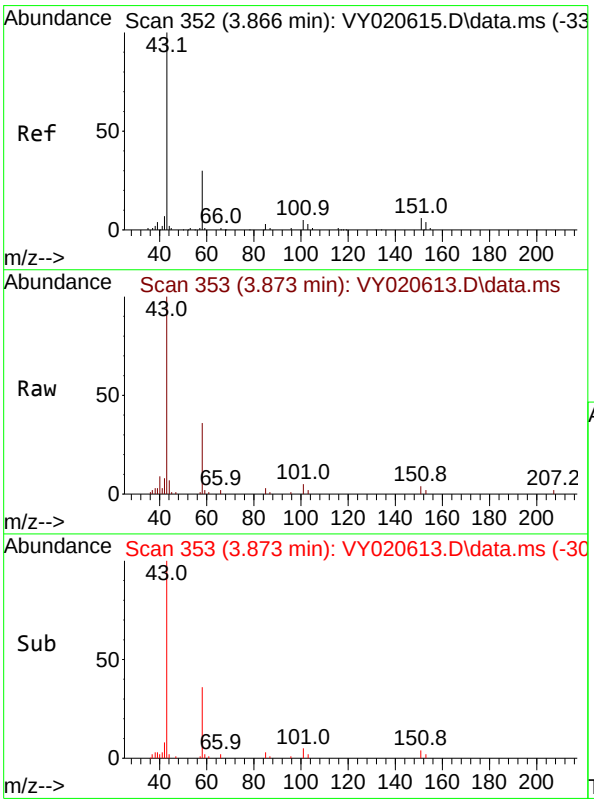
#15
Acrylonitrile
Concen: 59.095 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 53 Resp: 30489

Ion	Ratio	Lower	Upper
53	100		
52	80.7	64.5	96.7
51	35.1	29.4	44.0

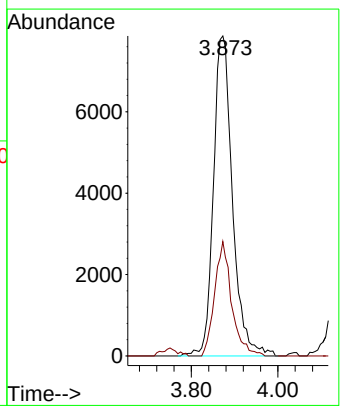


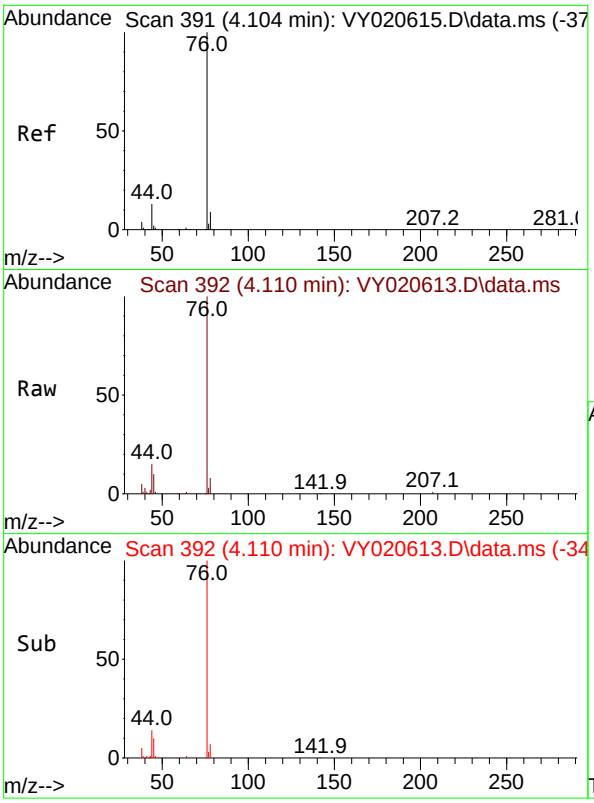


#16
Acetone
Concen: 59.918 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.007 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 43 Resp: 24059

Ion	Ratio	Lower	Upper
43	100		
58	35.8	25.0	37.6



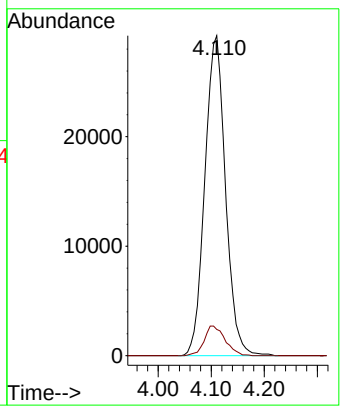


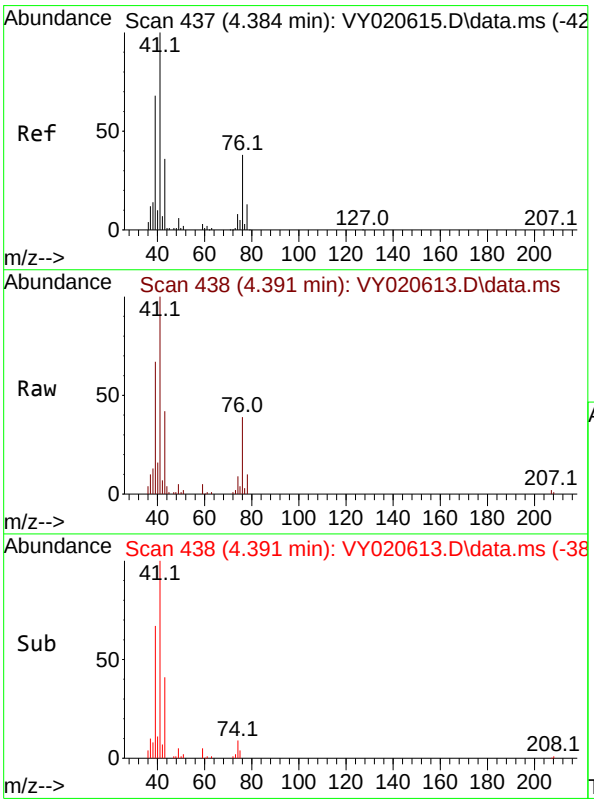
#17
Carbon Disulfide
Concen: 11.348 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 79000

Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.2	10.8

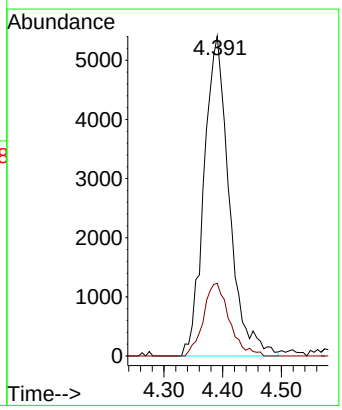


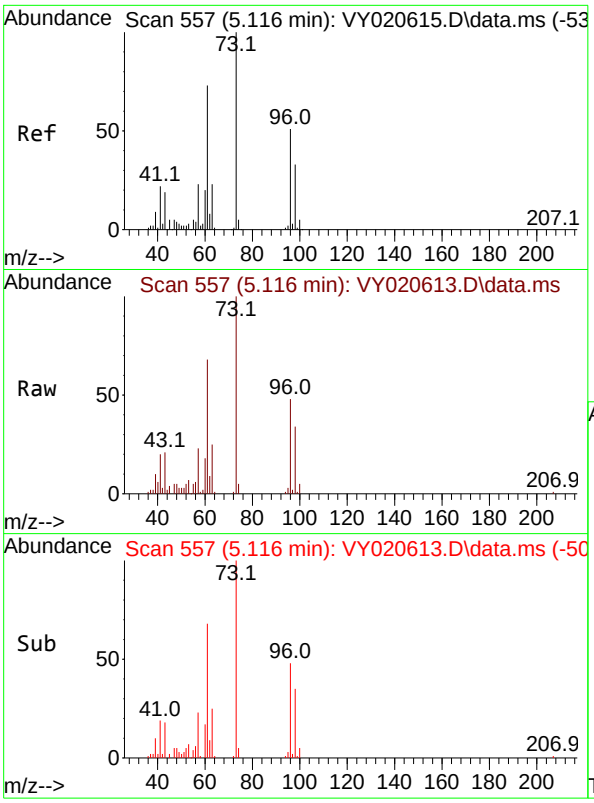


#18
Methyl Acetate
Concen: 12.714 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 43 Resp: 16164

Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.2	28.8



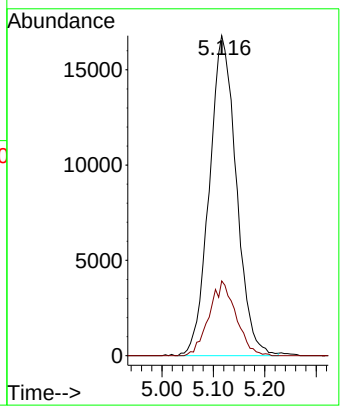


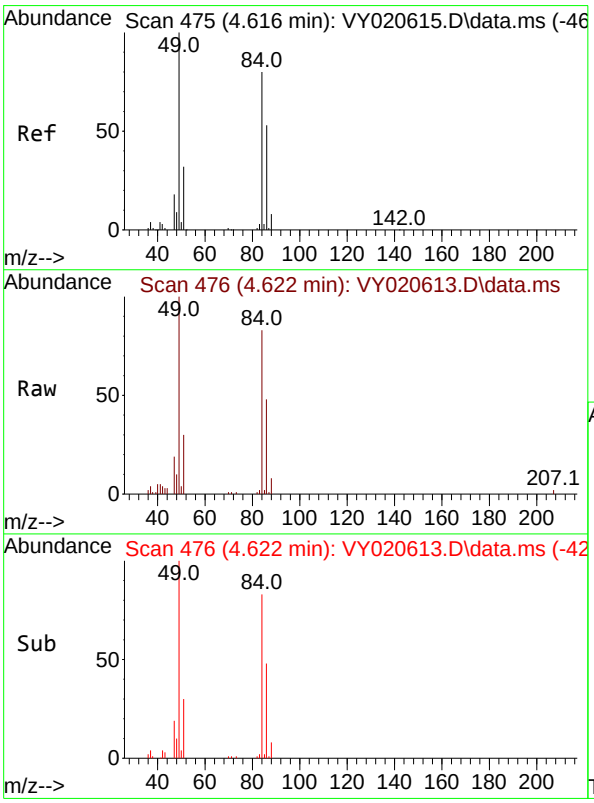
#19
Methyl tert-butyl Ether
Concen: 11.118 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 61370

Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.5	27.7

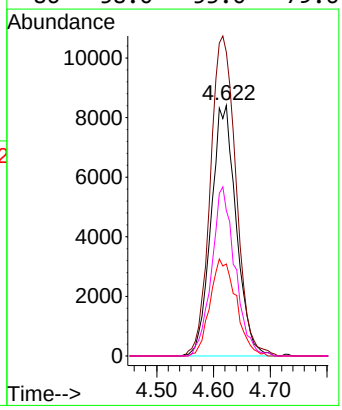


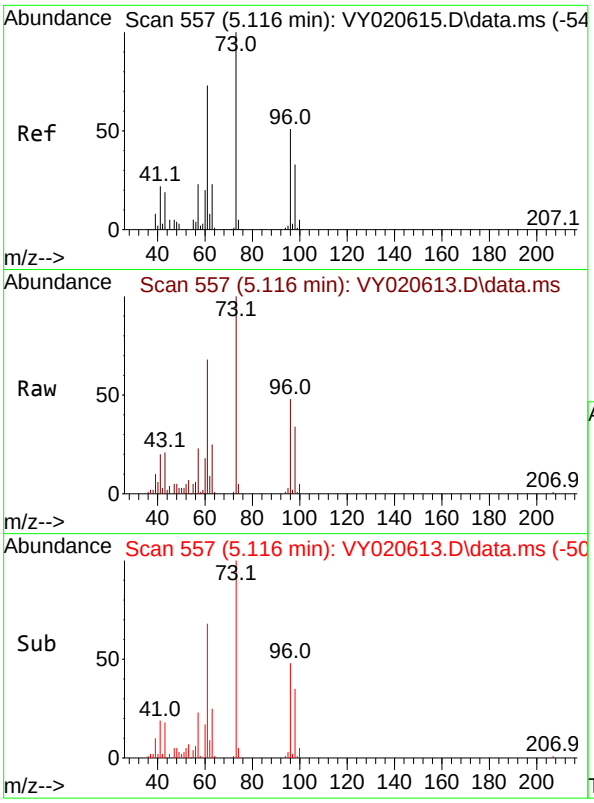


#20
Methylene Chloride
Concen: 11.126 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 84 Resp: 25848

Ion	Ratio	Lower	Upper
84	100		
49	121.1	100.7	151.1
51	36.7	32.2	48.2
86	58.0	53.0	79.6



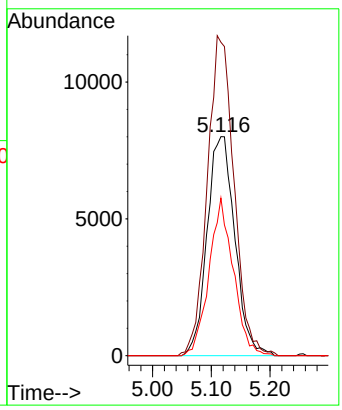


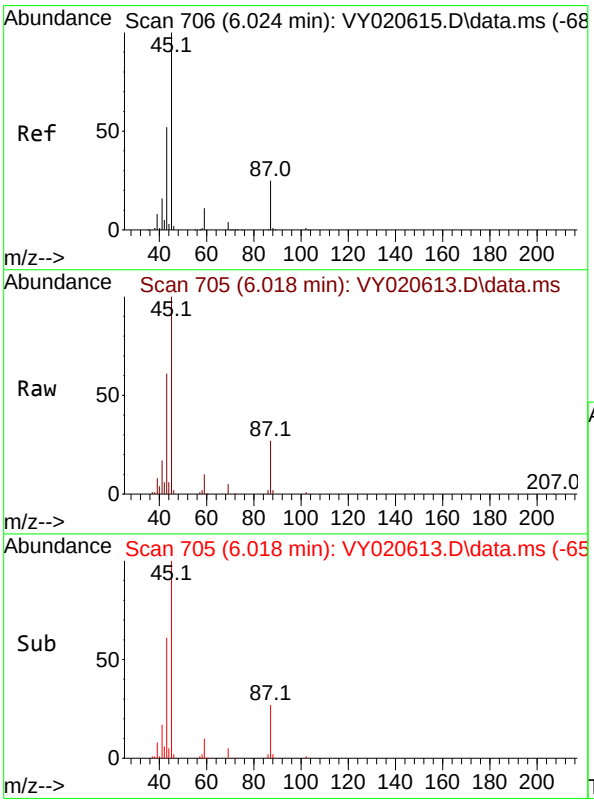
#21
trans-1,2-Dichloroethene
Concen: 10.969 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 26315

Ion	Ratio	Lower	Upper
96	100		
61	143.1	113.7	170.5
98	71.9	51.7	77.5

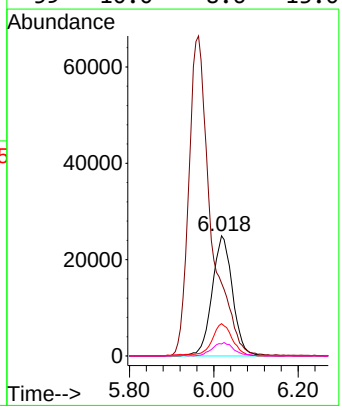


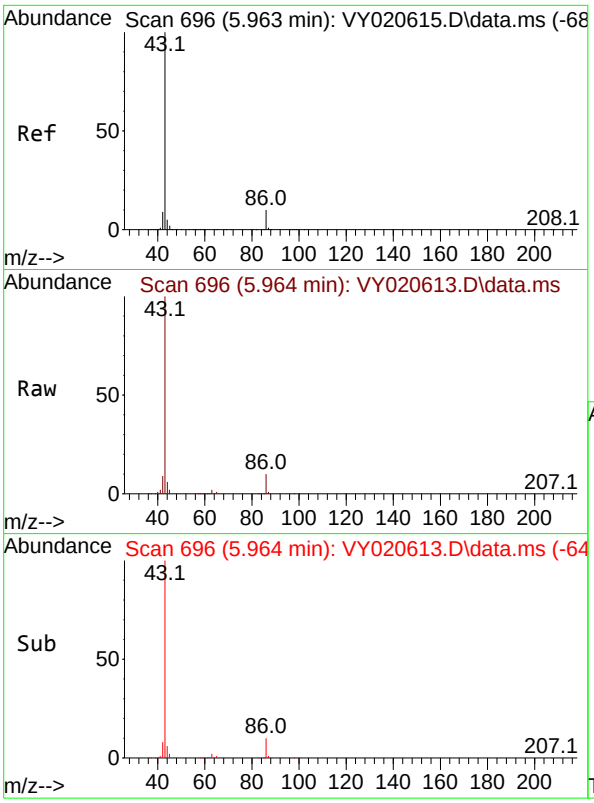


#22
Diisopropyl ether
Concen: 10.997 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 45 Resp: 83653

Ion	Ratio	Lower	Upper
45	100		
43	59.8	42.6	64.0
87	26.9	20.6	31.0
59	10.0	8.6	13.0



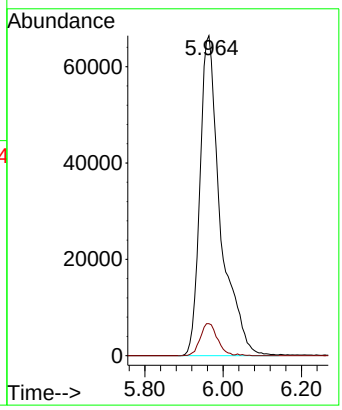


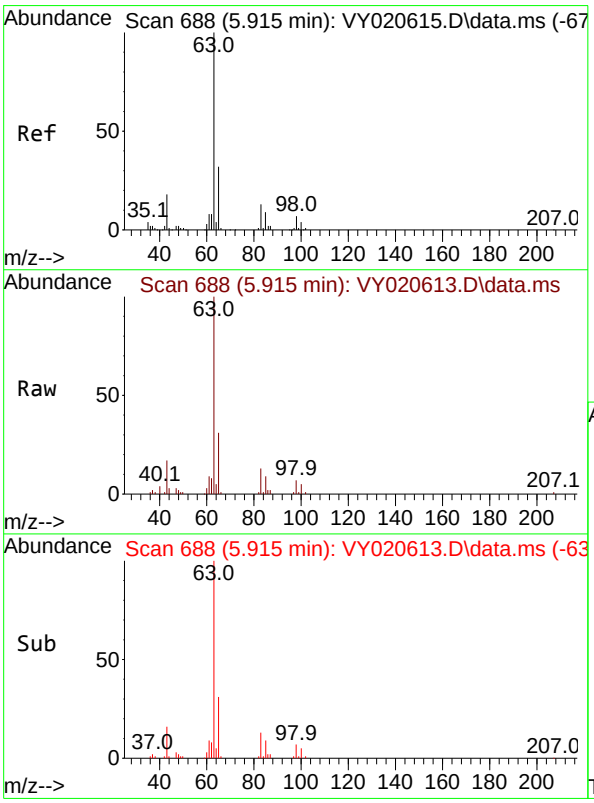
#23
Vinyl Acetate
Concen: 56.147 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 241892

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

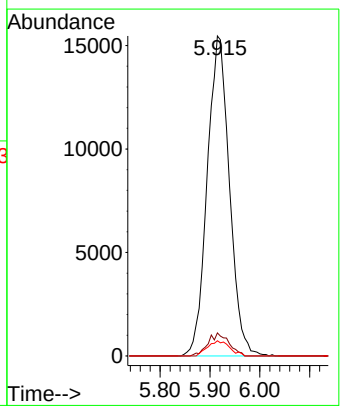


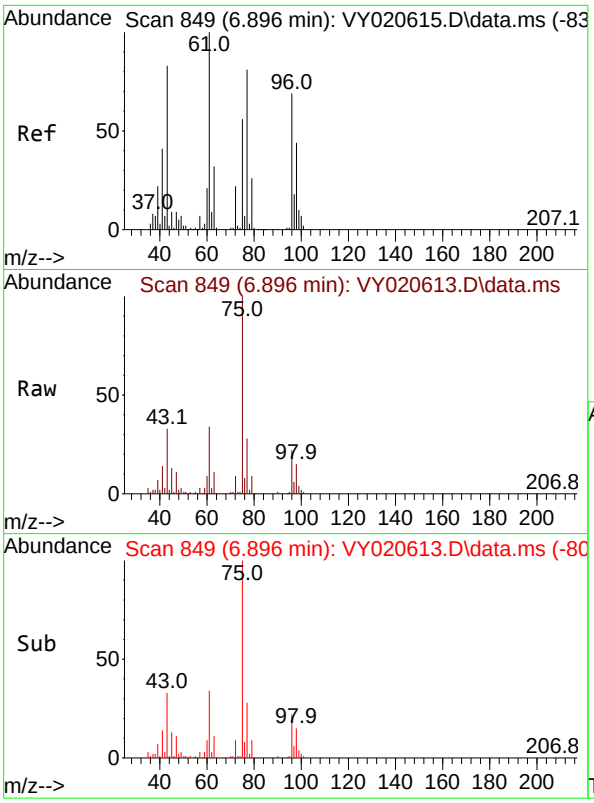


#24
1,1-Dichloroethane
Concen: 10.728 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 63 Resp: 47807

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.4	10.1
100	4.8	2.1	6.5



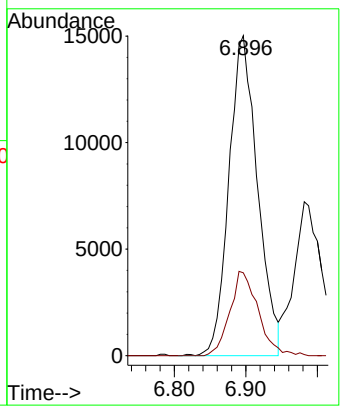


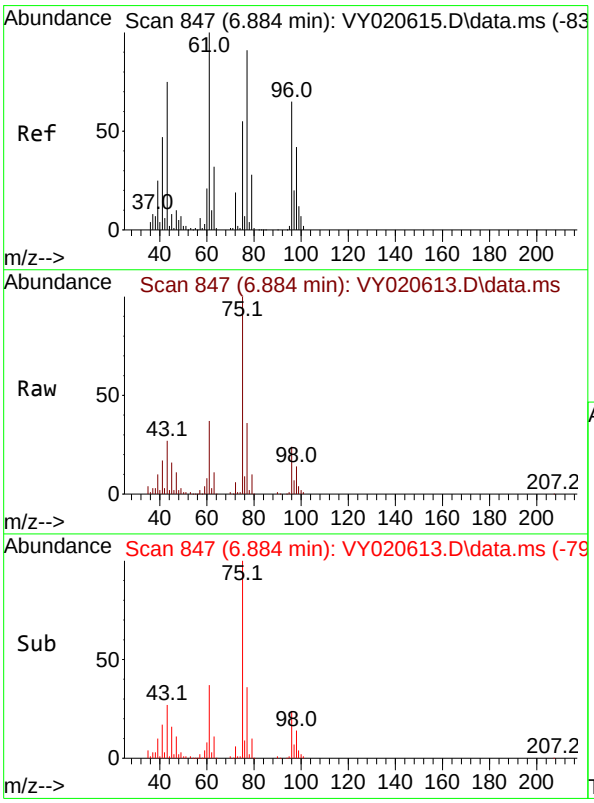
#25
2-Butanone
Concen: 60.169 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 41782

Ion	Ratio	Lower	Upper
43	100		
72	25.9	20.6	31.0

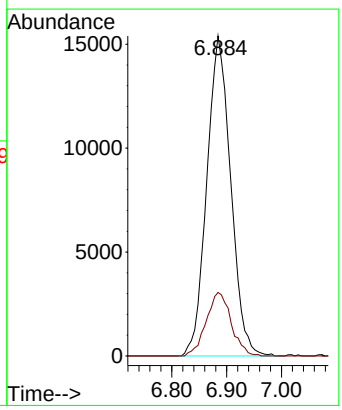


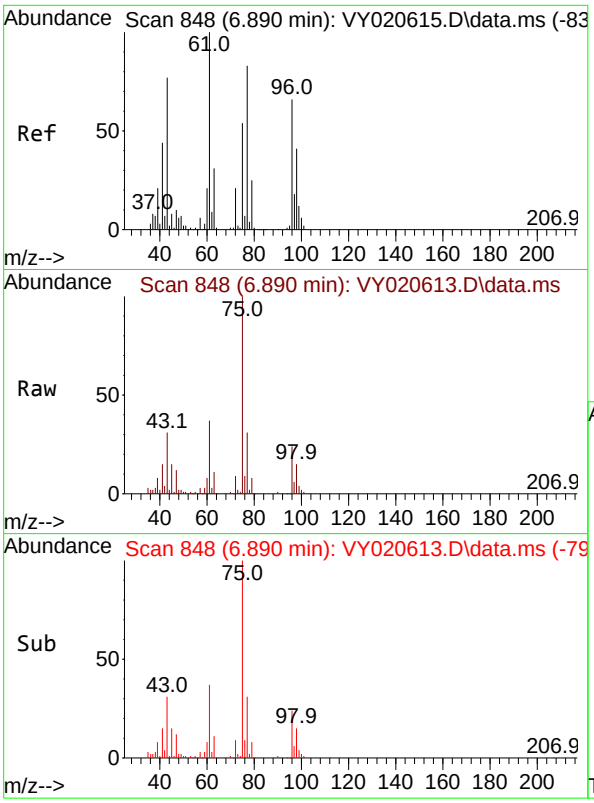


#26
2,2-Dichloropropane
Concen: 11.067 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 77 Resp: 46620

Ion	Ratio	Lower	Upper
77	100		
97	20.7	10.9	32.6



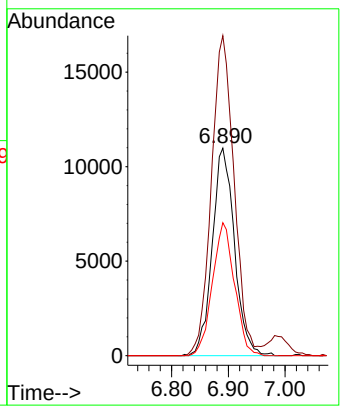


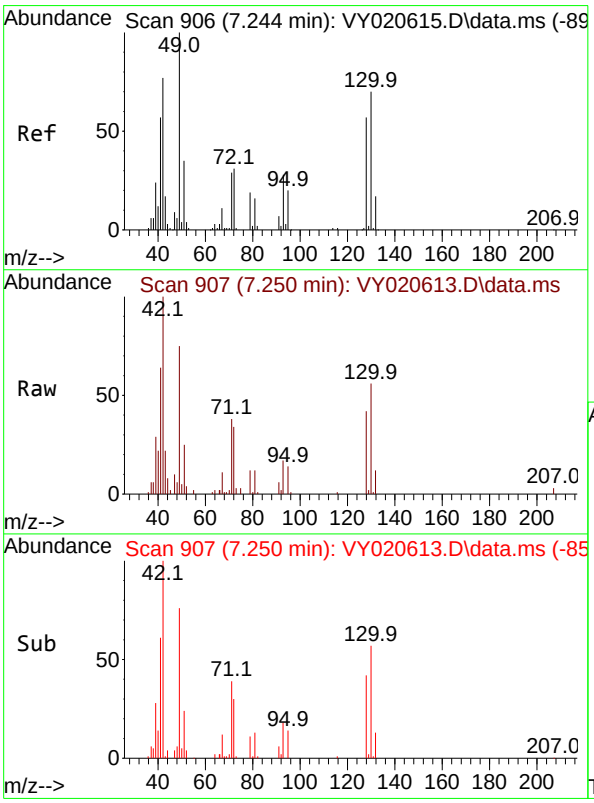
#27
cis-1,2-Dichloroethene
Concen: 10.812 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 29841

Ion	Ratio	Lower	Upper
96	100		
61	158.3	0.0	306.2
98	63.9	0.0	127.2

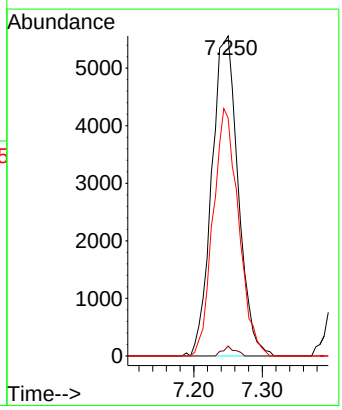


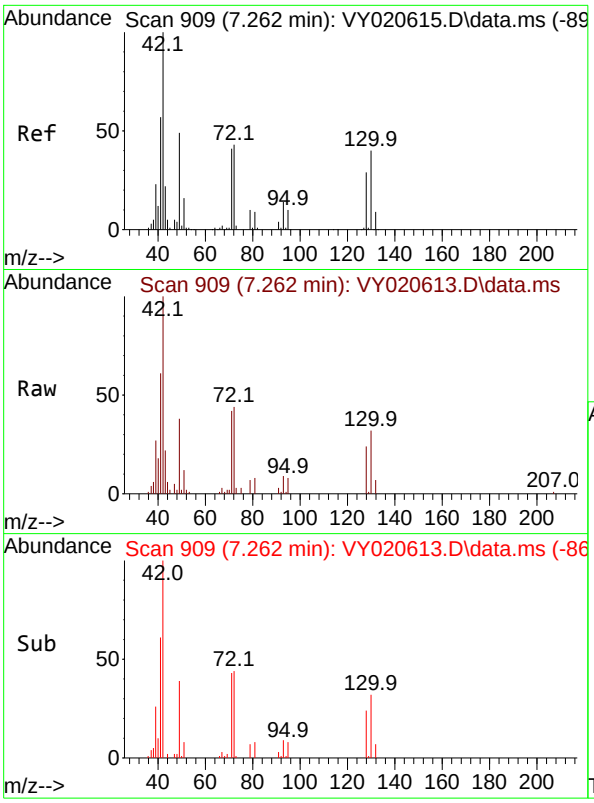


#28
Bromochloromethane
Concen: 9.894 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 49 Resp: 14872

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	74.6	58.3	87.5



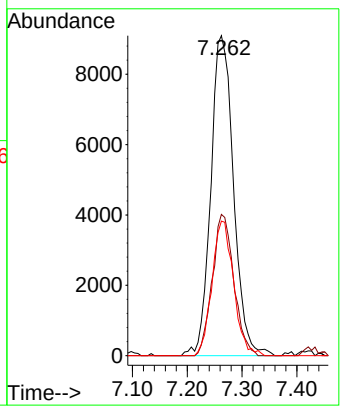


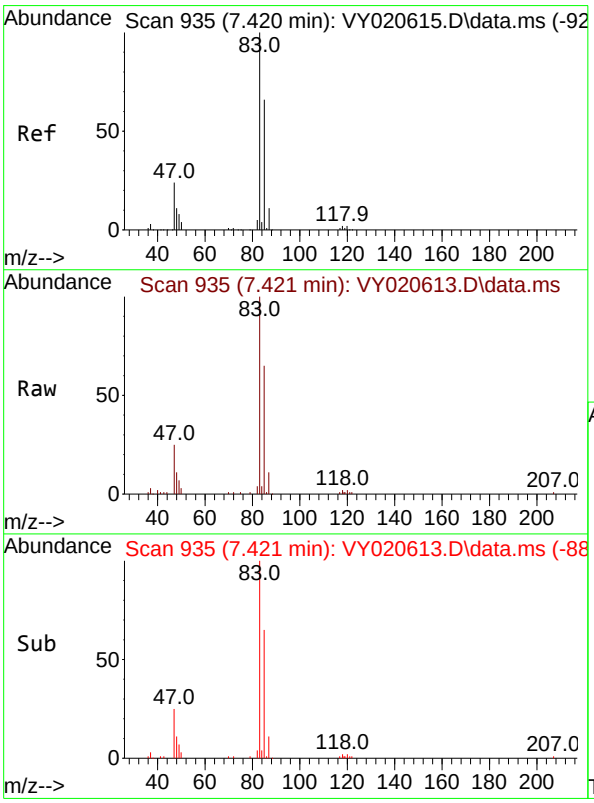
#29
Tetrahydrofuran
Concen: 59.842 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 42 Resp: 26233

Ion	Ratio	Lower	Upper
42	100		
72	41.8	34.0	51.0
71	39.9	31.6	47.4

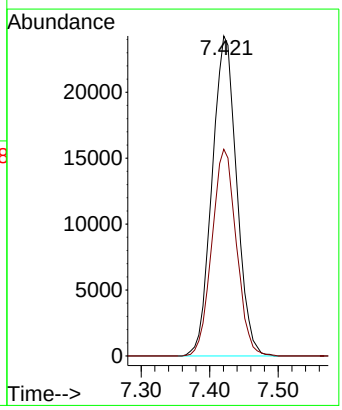


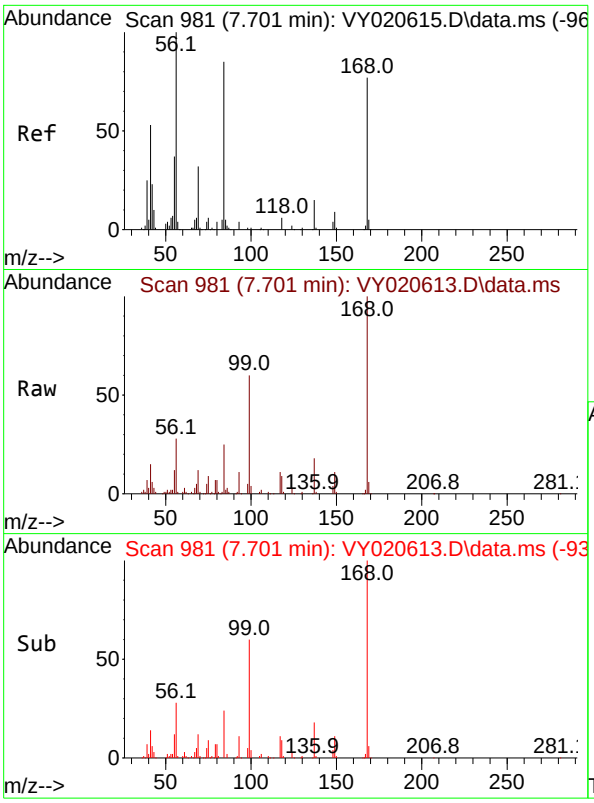


#30
Chloroform
Concen: 9.156 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.001 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 83 Resp: 60327

Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.7	79.1



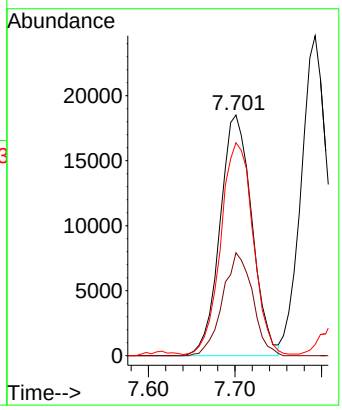


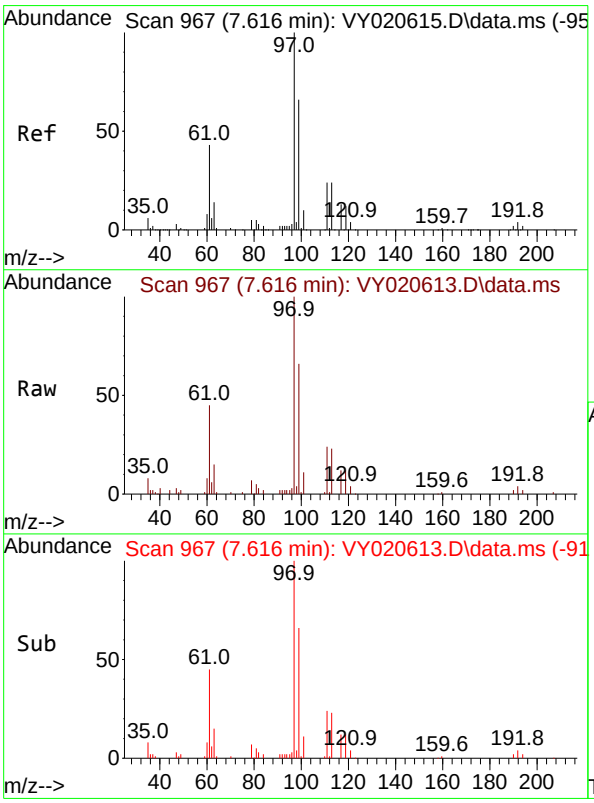
#31
Cyclohexane
Concen: 11.117 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 47368

Ion	Ratio	Lower	Upper
56	100		
69	42.7	25.4	38.0#
84	87.5	68.3	102.5

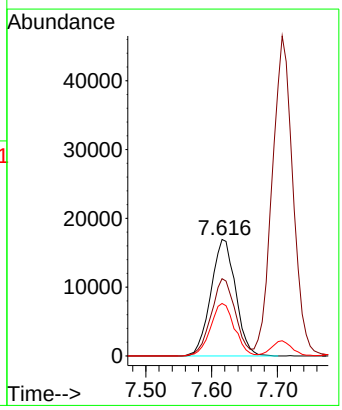


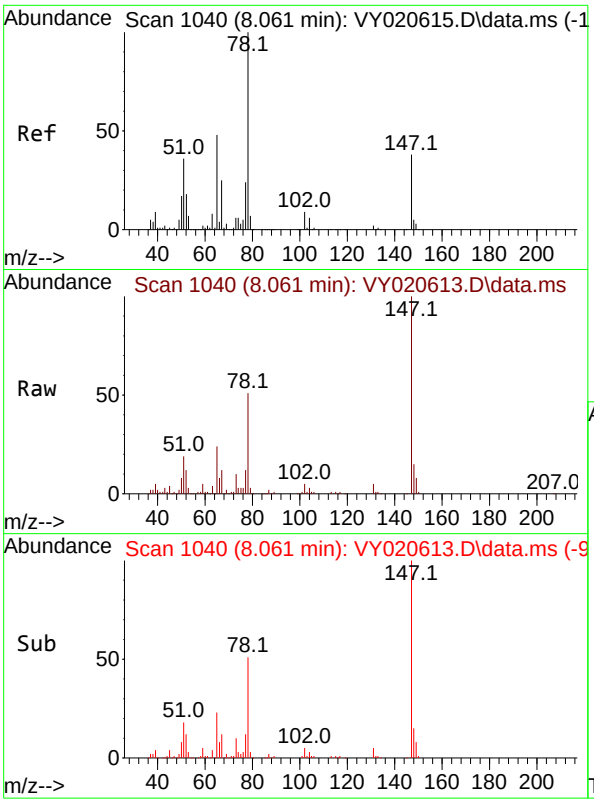


#32
1,1,1-Trichloroethane
Concen: 10.820 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 97 Resp: 44299

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	43.9	34.7	52.1



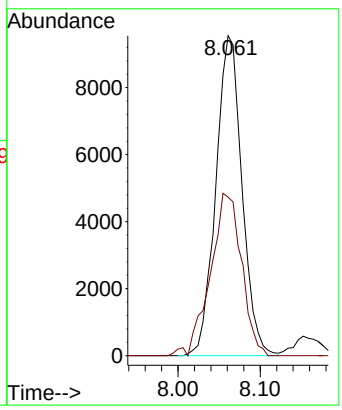


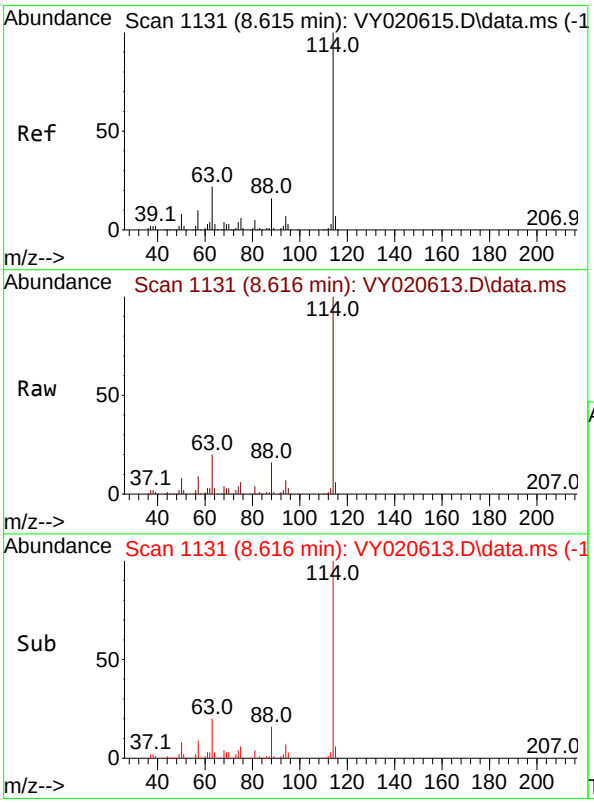
#33
1,2-Dichloroethane-d4
Concen: 11.310 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 21133

Ion	Ratio	Lower	Upper
65	100		
67	60.4	0.0	108.0

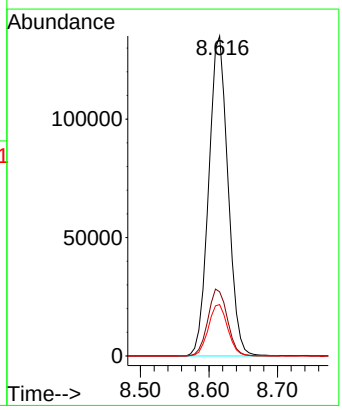


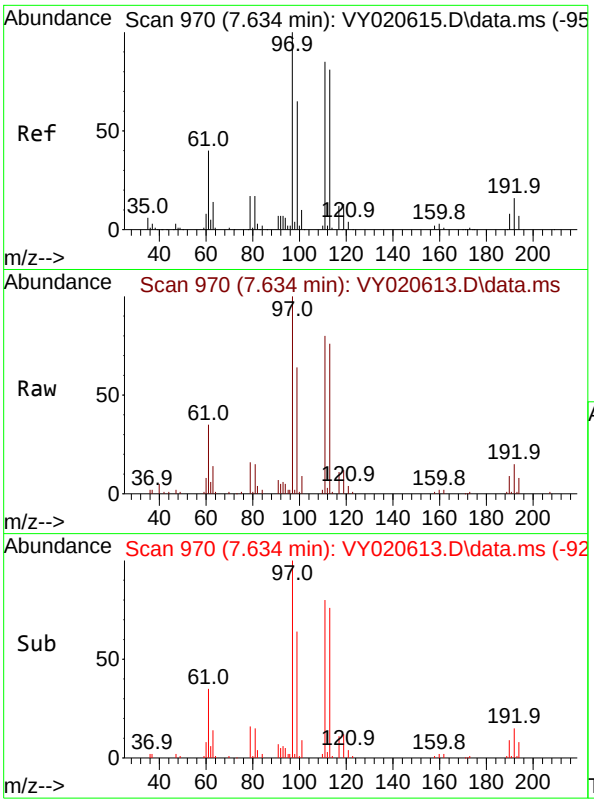


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:114 Resp: 263150

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	44.0
88	16.0	0.0	32.8



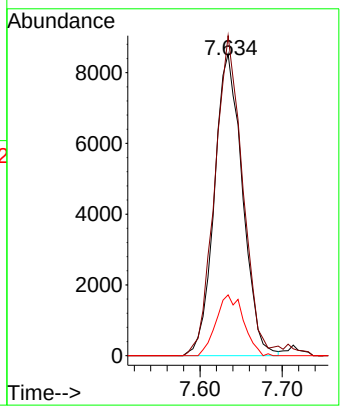


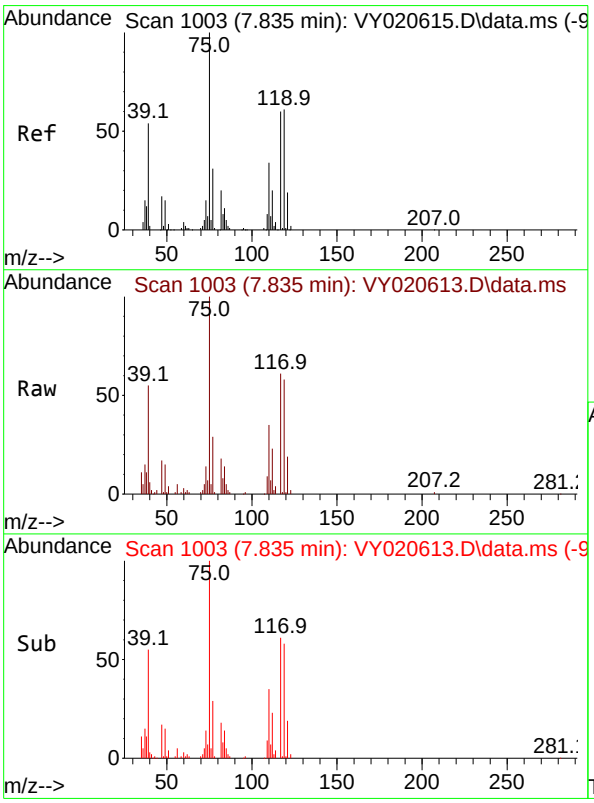
#35
Dibromofluoromethane
Concen: 10.925 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:113 Resp: 20262

Ion	Ratio	Lower	Upper
113	100		
111	104.9	82.9	124.3
192	19.7	15.7	23.5

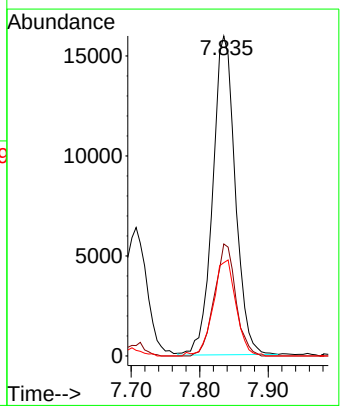


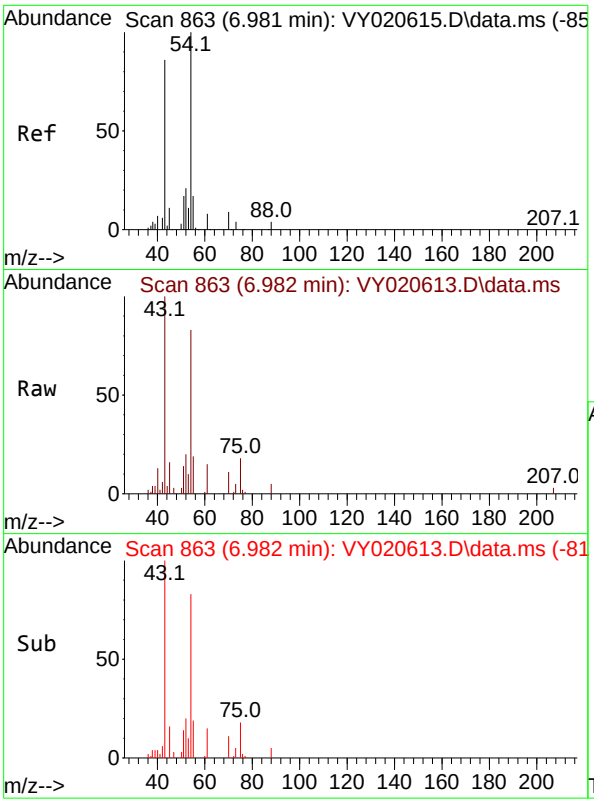


#36
1,1-Dichloropropene
Concen: 10.748 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 75 Resp: 36347

Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.8	50.4
77	30.7	25.0	37.6



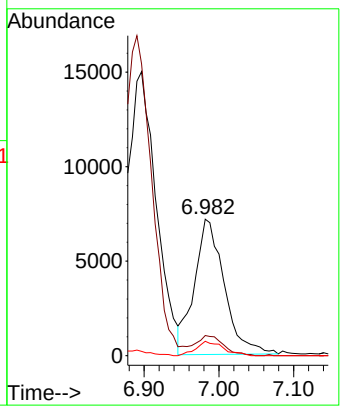


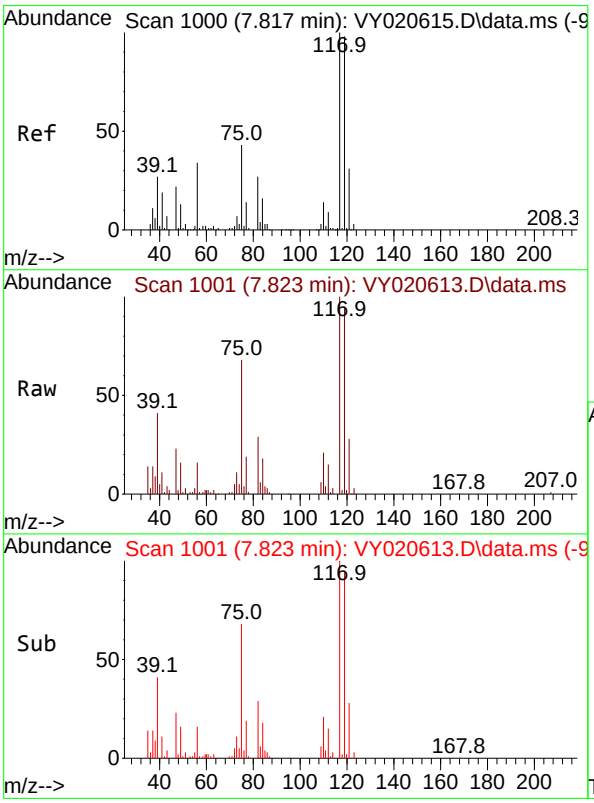
#37
Ethyl Acetate
Concen: 12.541 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 19950

Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.4
70	9.6	7.9	11.9

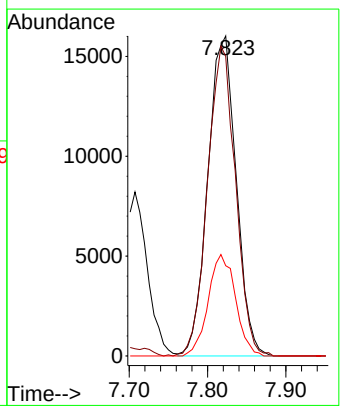


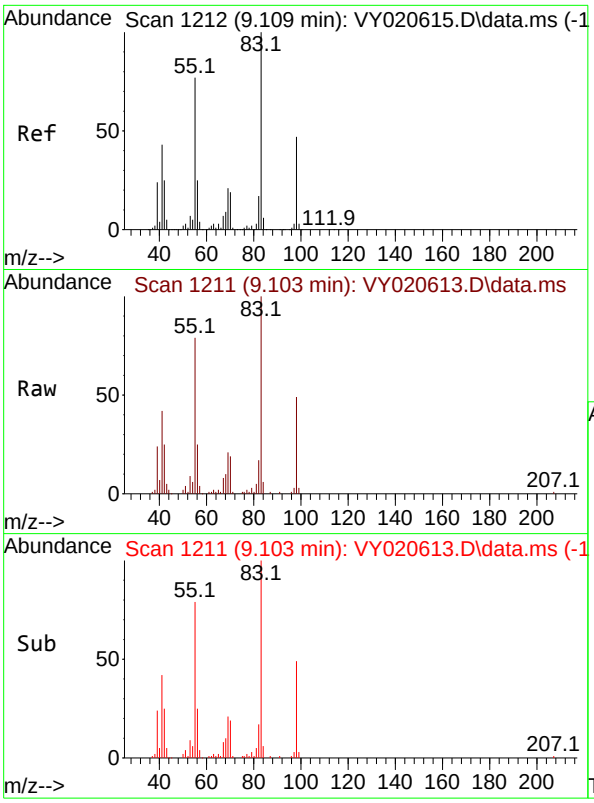


#38
Carbon Tetrachloride
Concen: 10.796 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:117 Resp: 40394

Ion	Ratio	Lower	Upper
117	100		
119	93.6	78.3	117.5
121	28.2	25.1	37.7



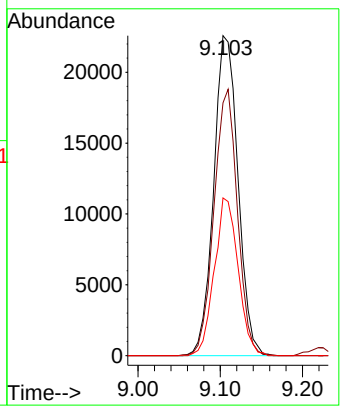


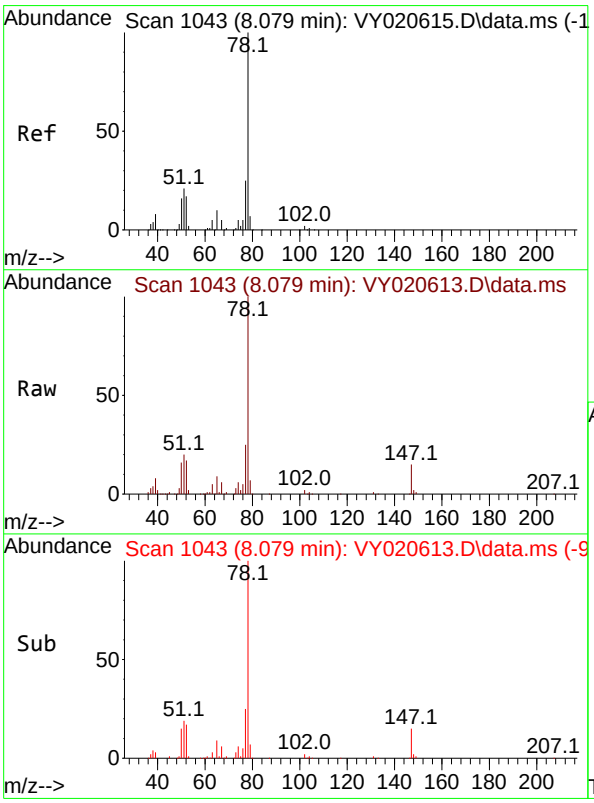
#39
Methylcyclohexane
Concen: 10.541 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 46462

Ion	Ratio	Lower	Upper
83	100		
55	79.0	61.4	92.0
98	49.3	37.3	55.9

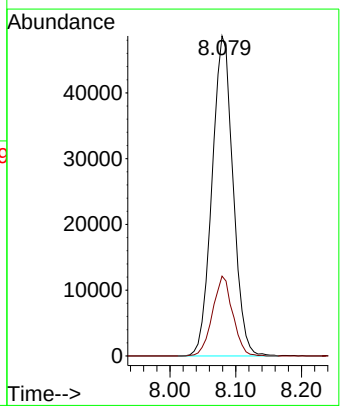


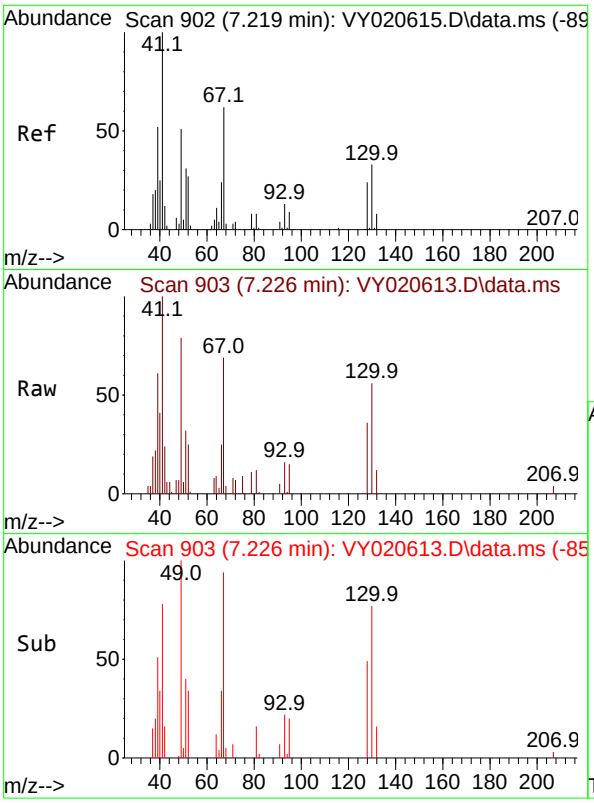


#40
Benzene
Concen: 10.910 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 78 Resp: 108150

Ion	Ratio	Lower	Upper
78	100		
77	25.0	20.1	30.1



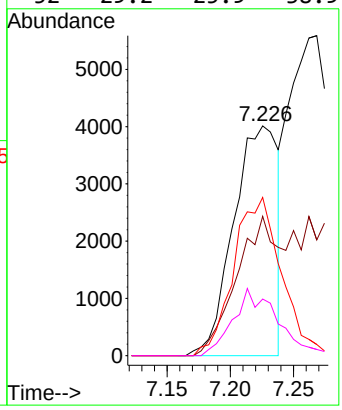


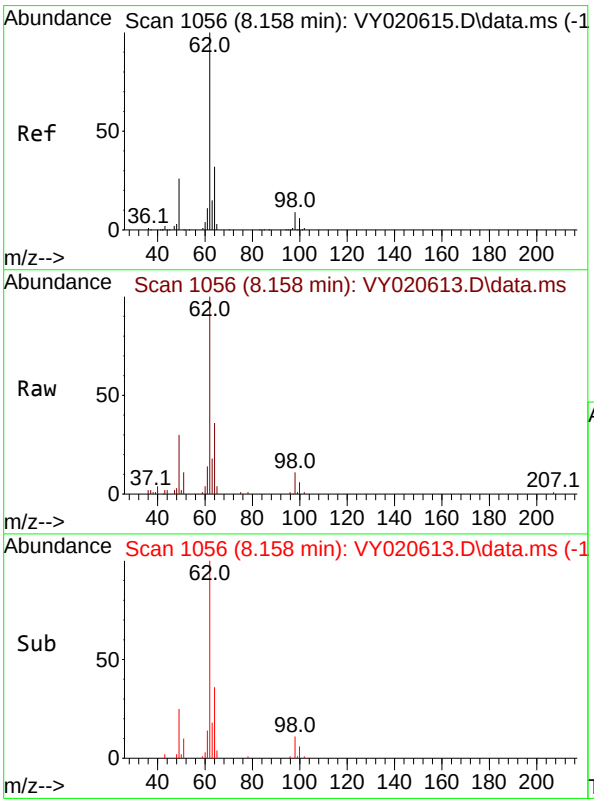
#41
Methacrylonitrile
Concen: 11.653 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 9800

Ion	Ratio	Lower	Upper
41	100		
39	61.3	53.6	80.4
67	74.4	62.0	93.0
52	29.2	25.9	38.9

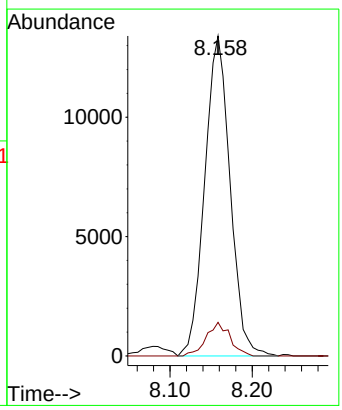


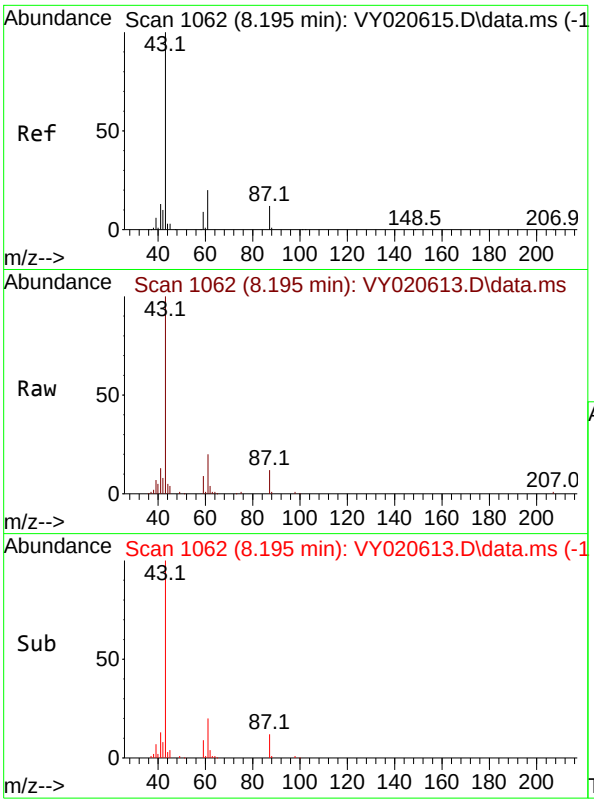


#42
1,2-Dichloroethane
Concen: 10.931 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 62 Resp: 28739

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.0



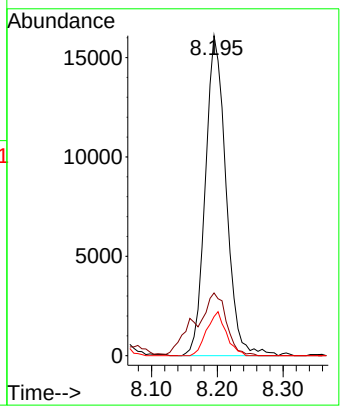


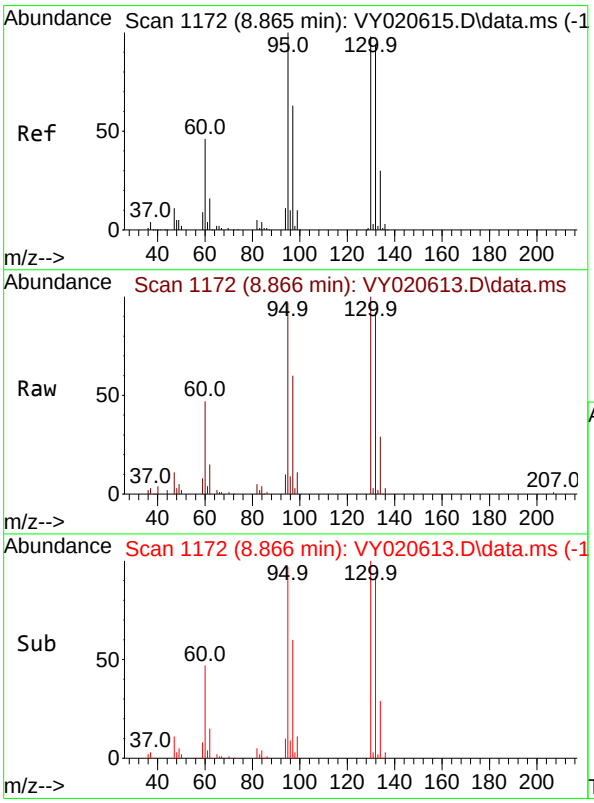
#43
Isopropyl Acetate
Concen: 11.721 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 35299

Ion	Ratio	Lower	Upper
43	100		
61	20.6	23.8	35.6#
87	13.0	10.2	15.4

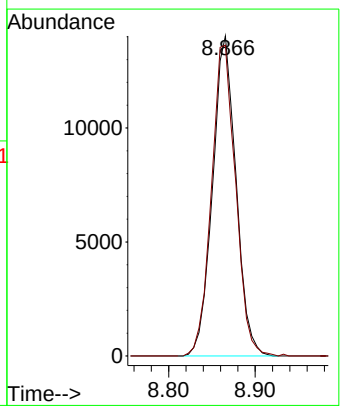


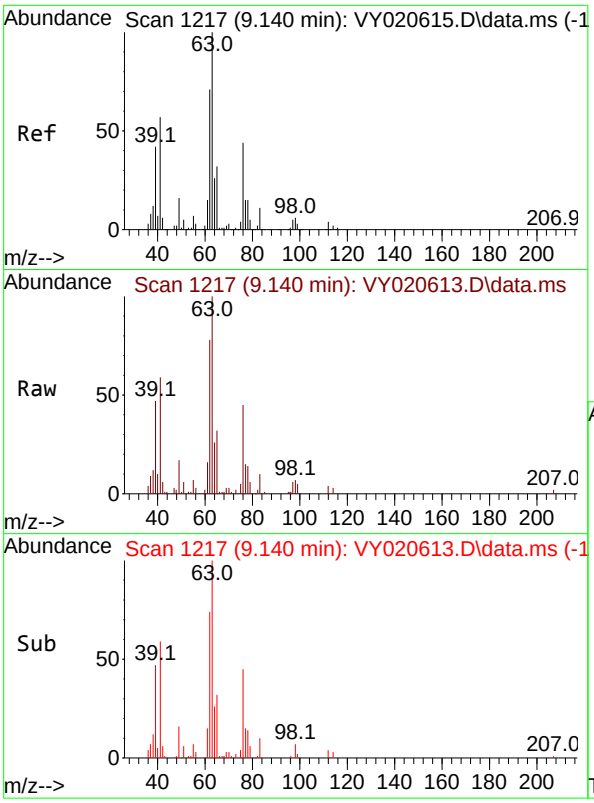


#44
Trichloroethene
Concen: 10.834 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:130 Resp: 26388

Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	203.2



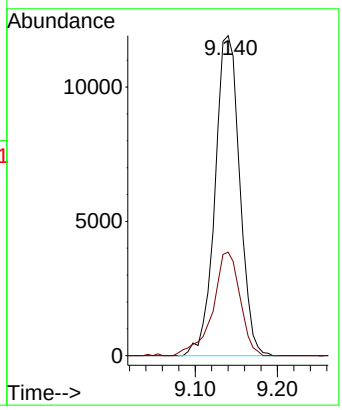


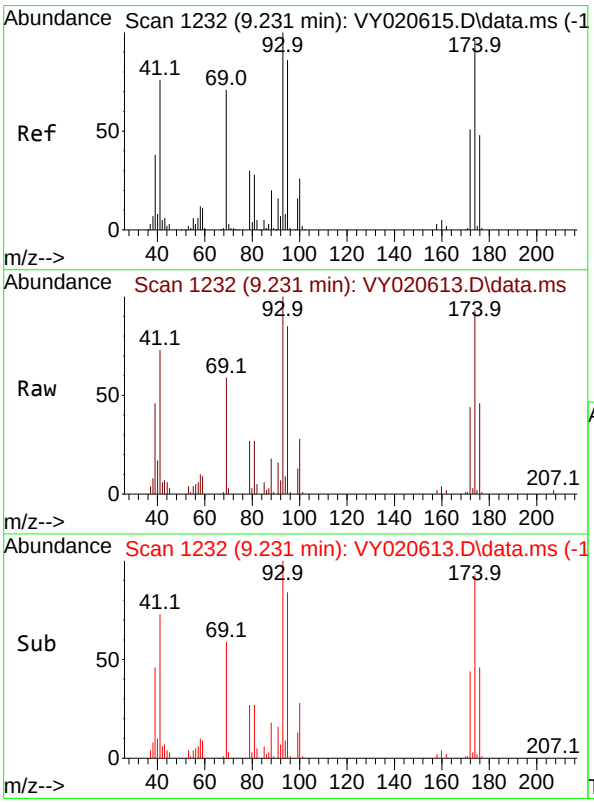
#45
1,2-Dichloropropane
Concen: 10.743 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 24889

Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.9	38.9

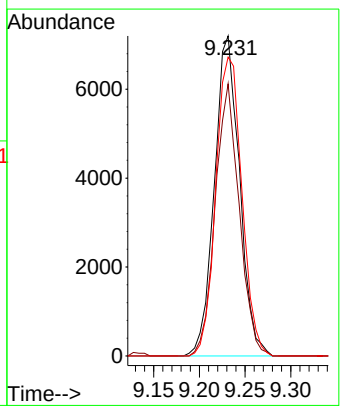


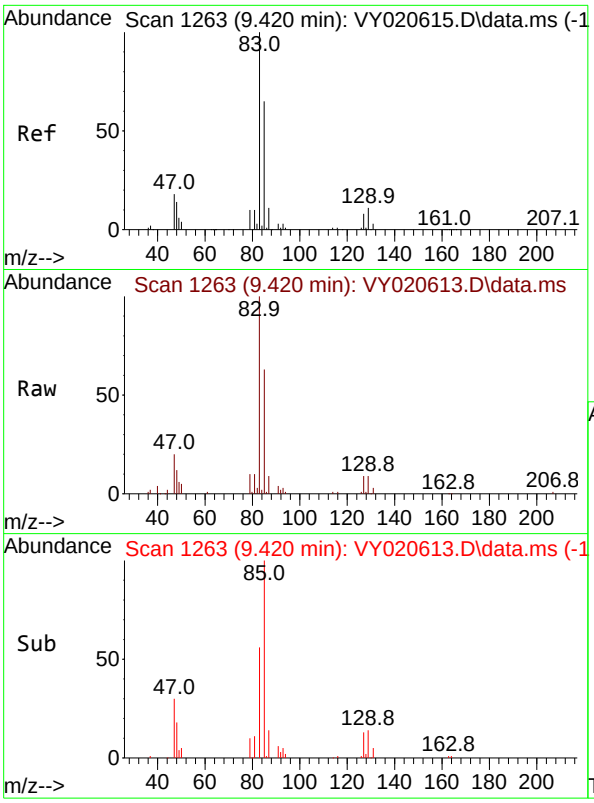


#46
Dibromomethane
Concen: 11.242 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 93 Resp: 13764

Ion	Ratio	Lower	Upper
93	100		
95	81.2	66.7	100.1
174	97.0	77.8	116.6



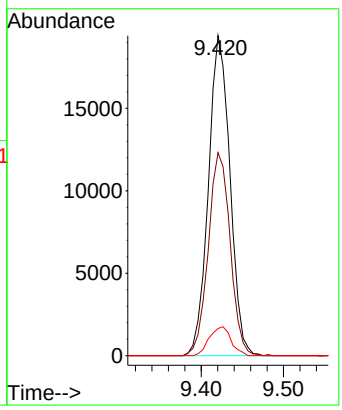


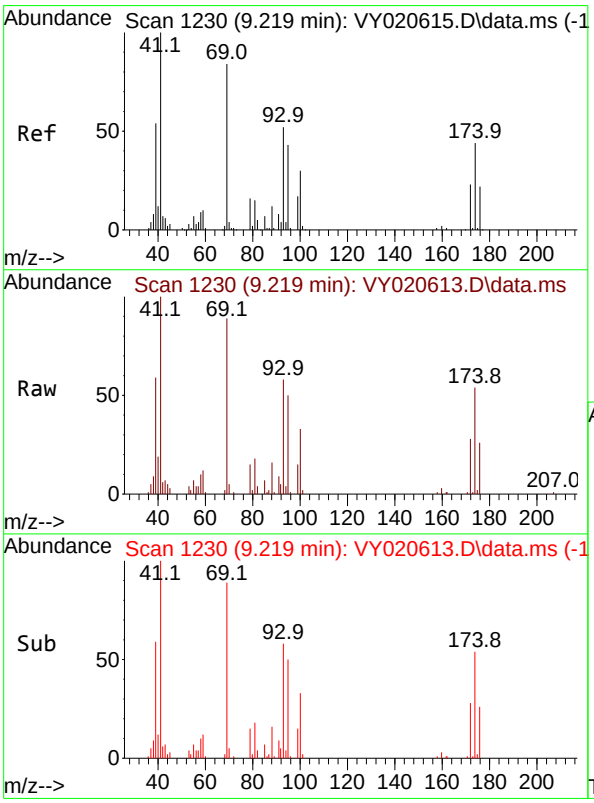
#47
Bromodichloromethane
Concen: 10.689 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 35352

Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.1	78.1
127	8.5	6.7	10.1

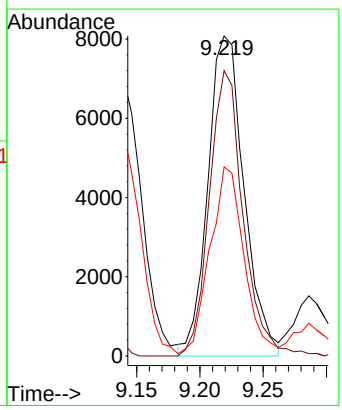


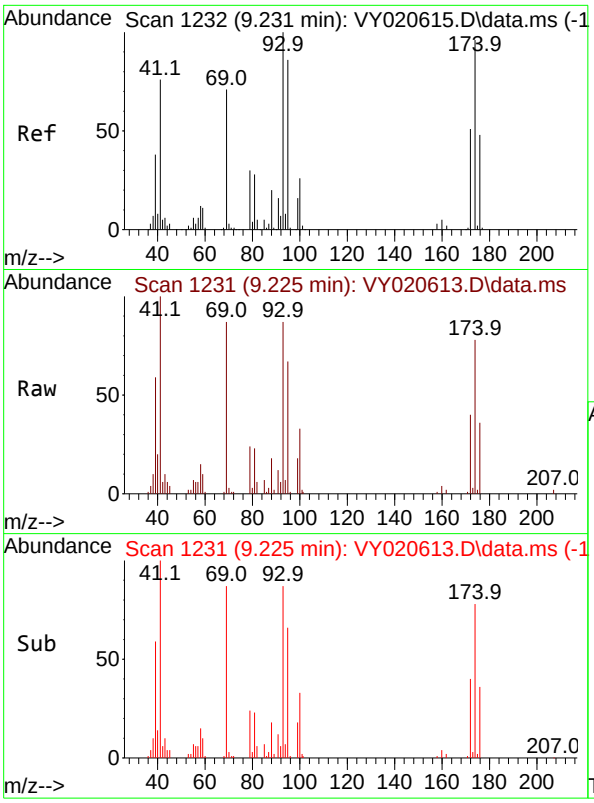


#48
Methyl methacrylate
Concen: 11.218 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 41 Resp: 16060

Ion	Ratio	Lower	Upper
41	100		
69	83.4	67.2	100.8
39	54.3	42.2	63.4



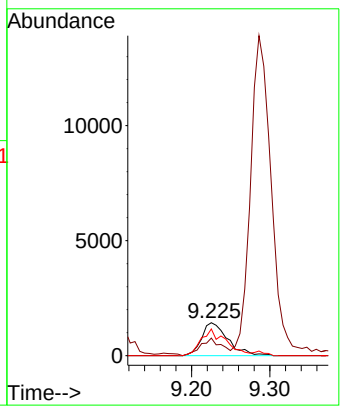


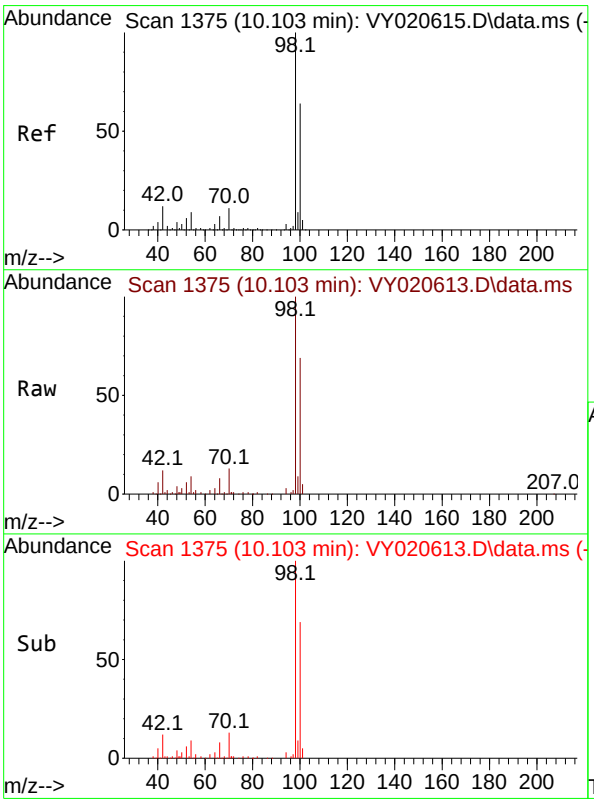
#49
1,4-Dioxane
Concen: 237.872 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 88 Resp: 3340

Ion	Ratio	Lower	Upper
88	100		
43	42.2	27.6	41.4#
58	76.6	61.7	92.5

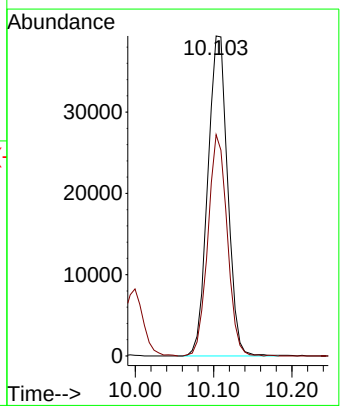


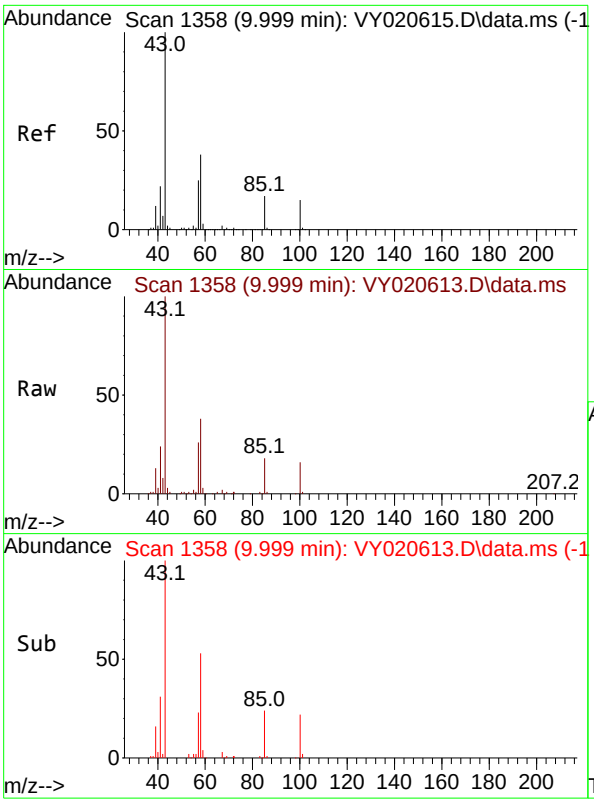


#50
Toluene-d8
Concen: 10.653 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 98 Resp: 69155

Ion	Ratio	Lower	Upper
98	100		
100	67.3	52.1	78.1



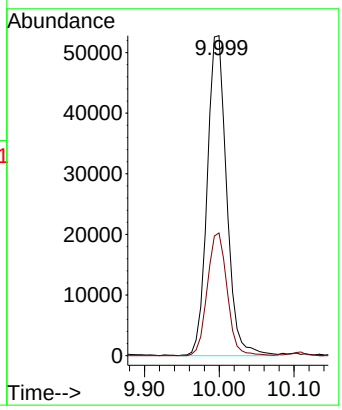


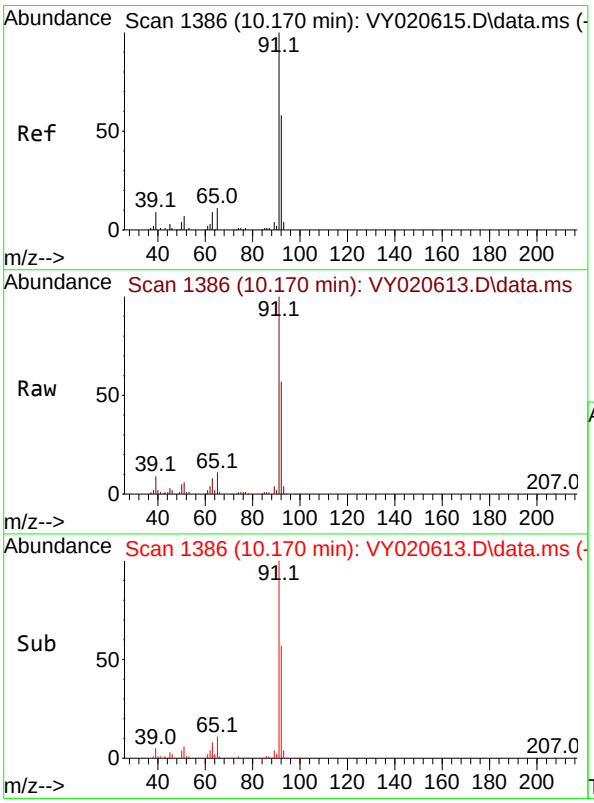
#51
4-Methyl-2-Pentanone
Concen: 60.180 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 95663

Ion	Ratio	Lower	Upper
43	100		
58	39.0	31.4	47.2

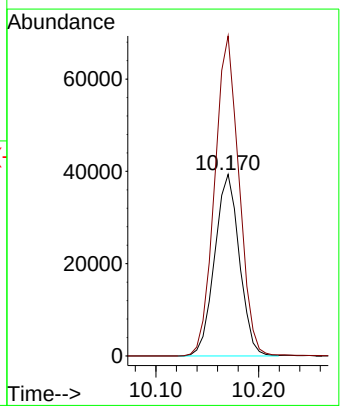


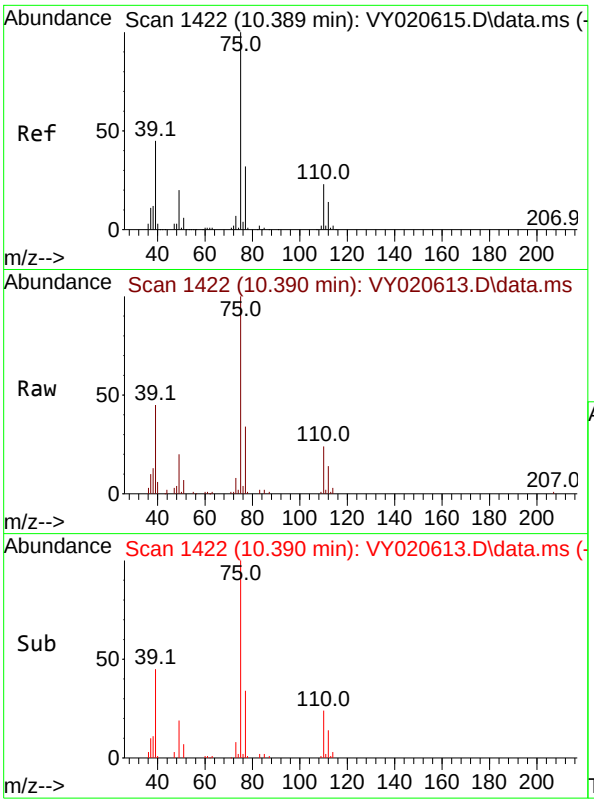


#52
Toluene
Concen: 10.657 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 92 Resp: 65651

Ion	Ratio	Lower	Upper
92	100		
91	174.4	137.4	206.0



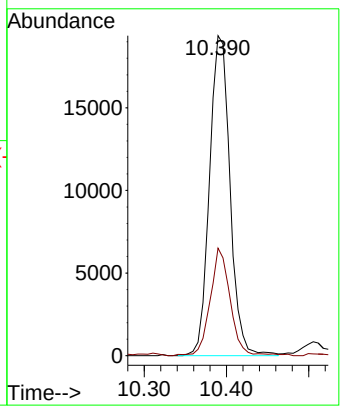


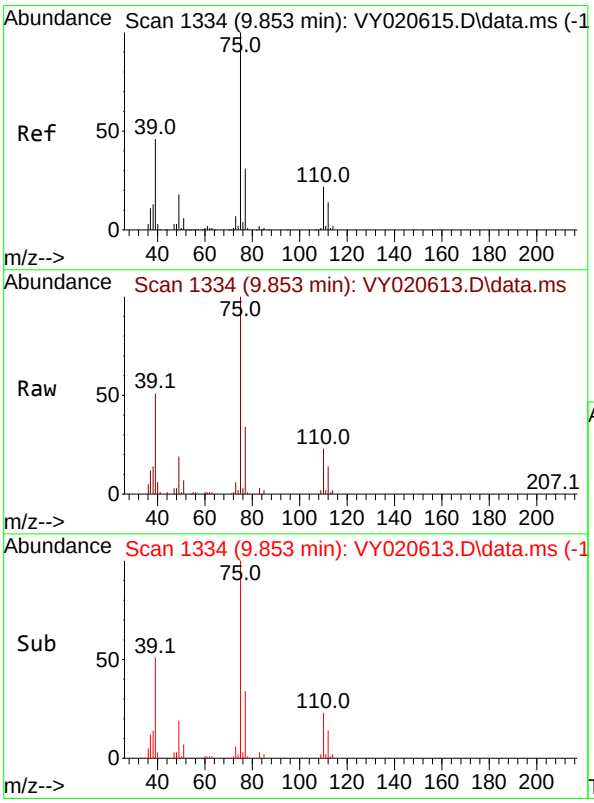
#53
t-1,3-Dichloropropene
Concen: 10.892 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 33566

Ion	Ratio	Lower	Upper
75	100		
77	33.2	25.4	38.2

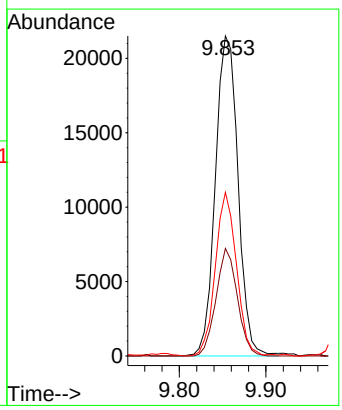


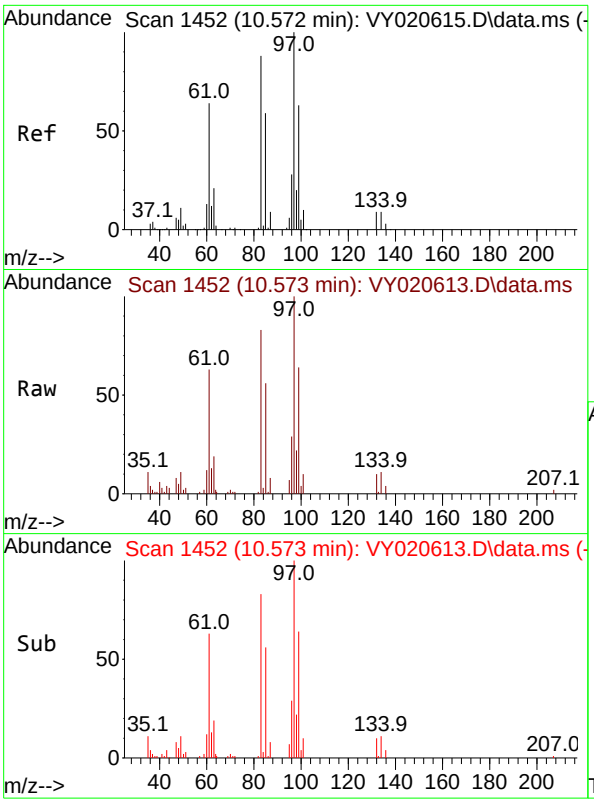


#54
cis-1,3-Dichloropropene
Concen: 10.698 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 75 Resp: 39068

Ion	Ratio	Lower	Upper
75	100		
77	33.6	24.6	36.8
39	50.9	36.4	54.6



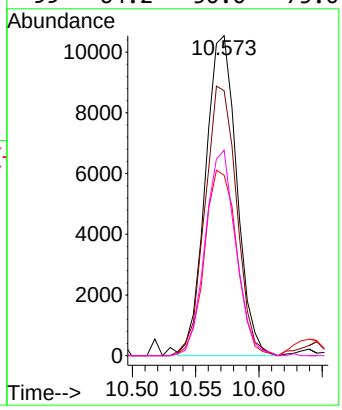


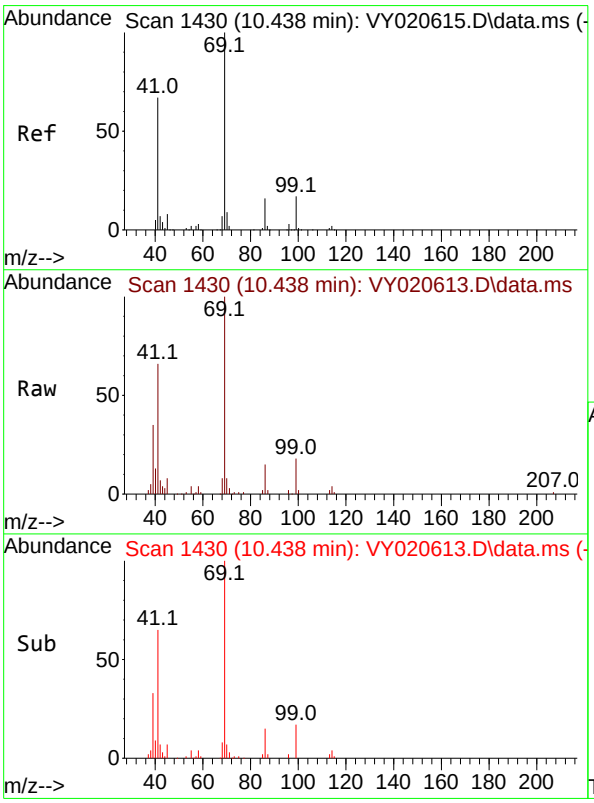
#55
1,1,2-Trichloroethane
Concen: 11.181 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 97 Resp: 18100

Ion	Ratio	Lower	Upper
97	100		
83	82.8	70.4	105.6
85	56.4	47.2	70.8
99	64.2	50.0	75.0

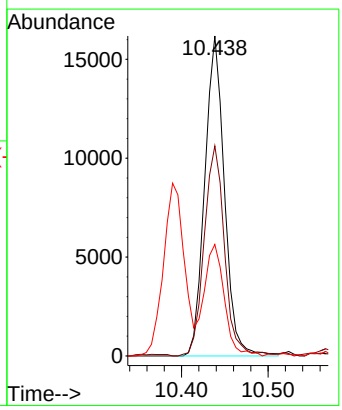


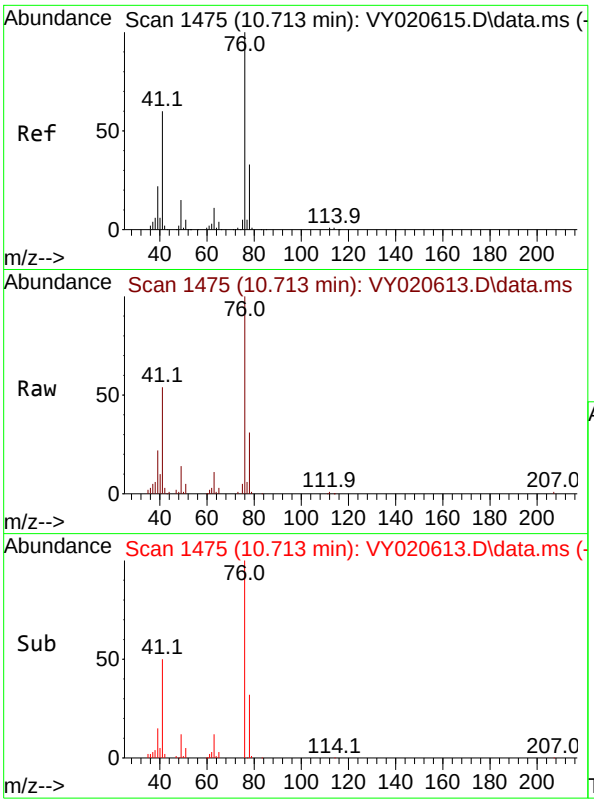


#56
Ethyl methacrylate
Concen: 10.877 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 69 Resp: 25543

Ion	Ratio	Lower	Upper
69	100		
41	68.1	54.0	81.0
39	36.0	27.9	41.9



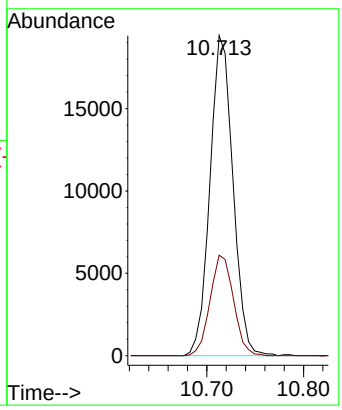


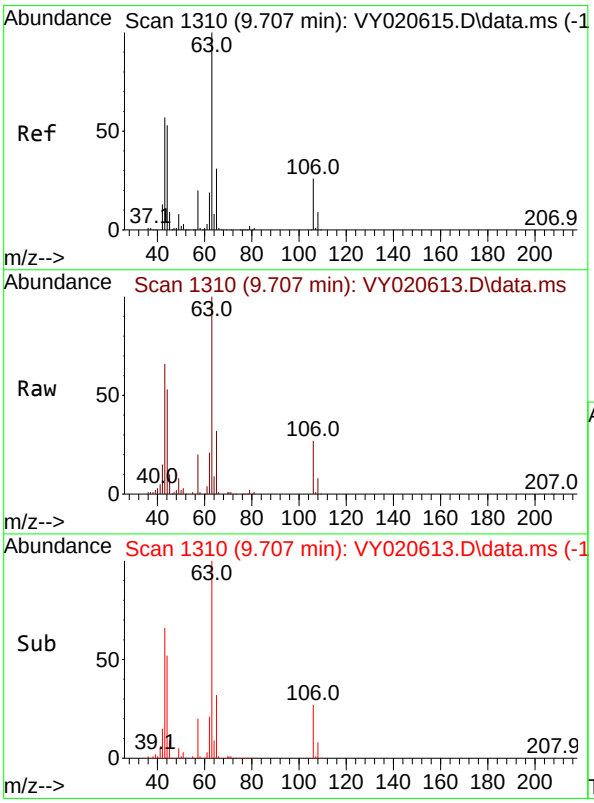
#57
1,3-Dichloropropane
Concen: 11.099 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 32029

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

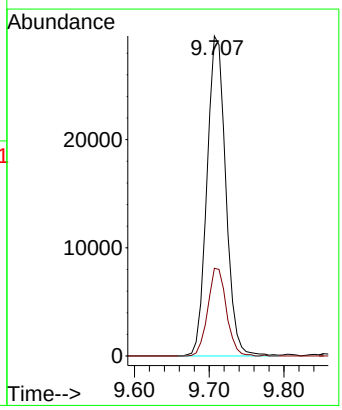


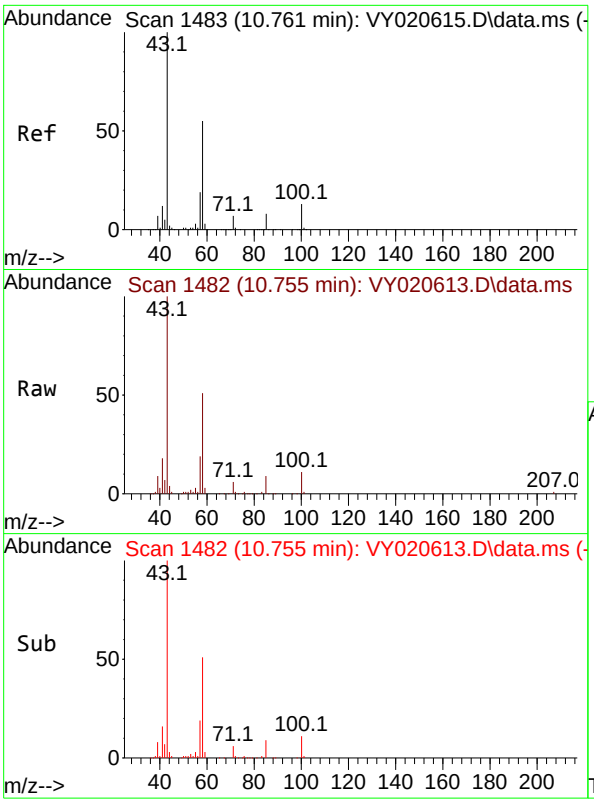


#58
2-Chloroethyl Vinyl ether
Concen: 52.537 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 63 Resp: 51913

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.5	32.3



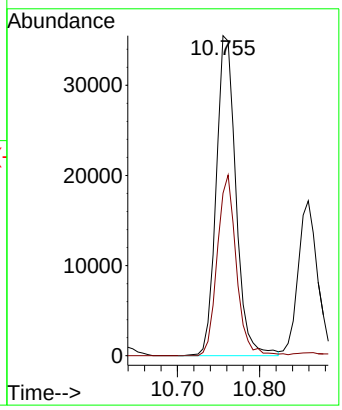


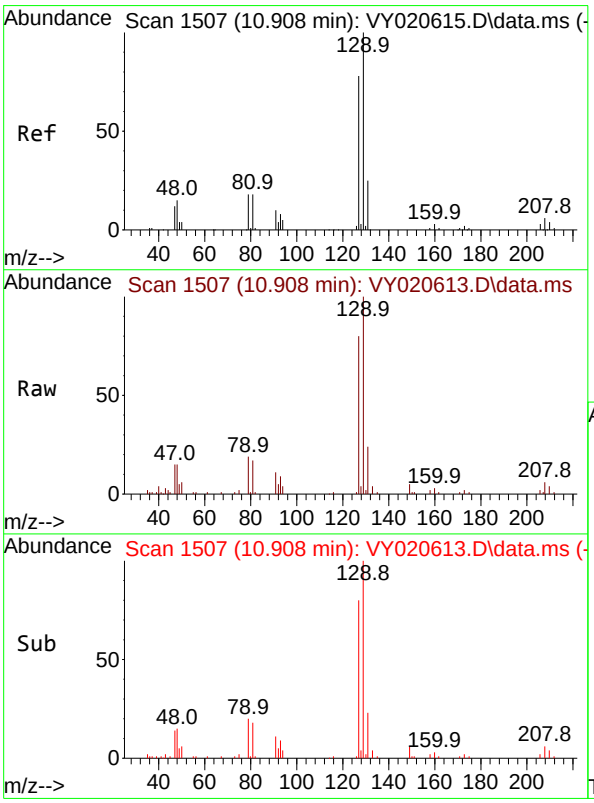
#59
2-Hexanone
Concen: 57.933 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 59126

Ion	Ratio	Lower	Upper
43	100		
58	54.7	27.2	81.6

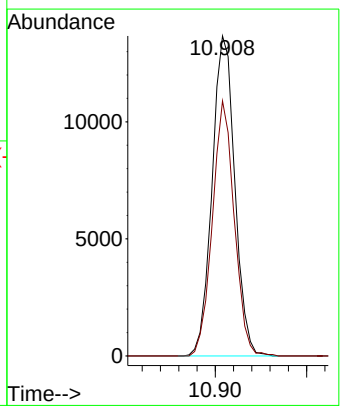


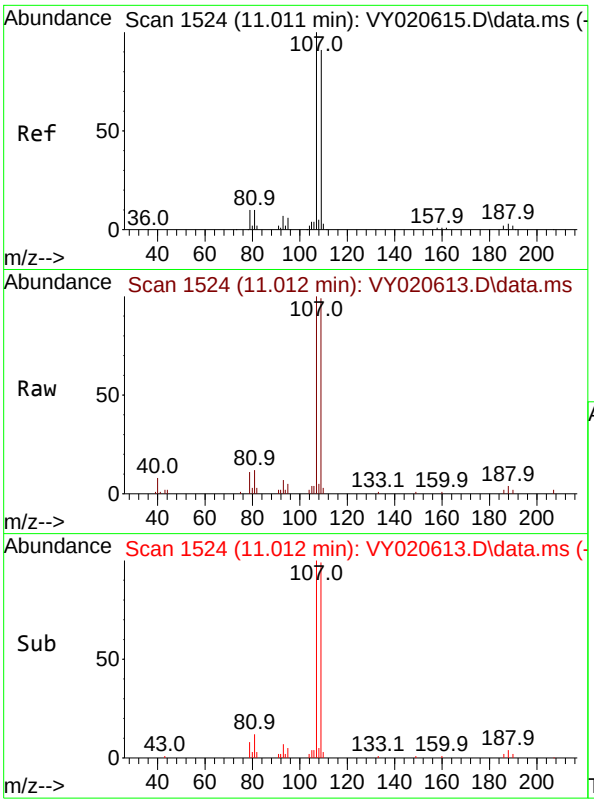


#60
Dibromochloromethane
Concen: 10.878 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:129 Resp: 23549

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.1	114.3



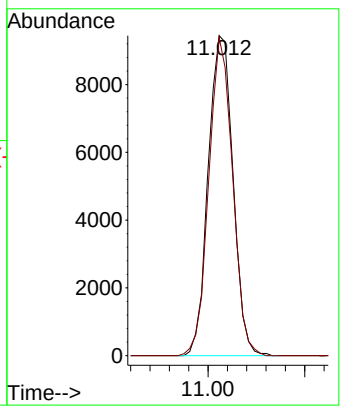


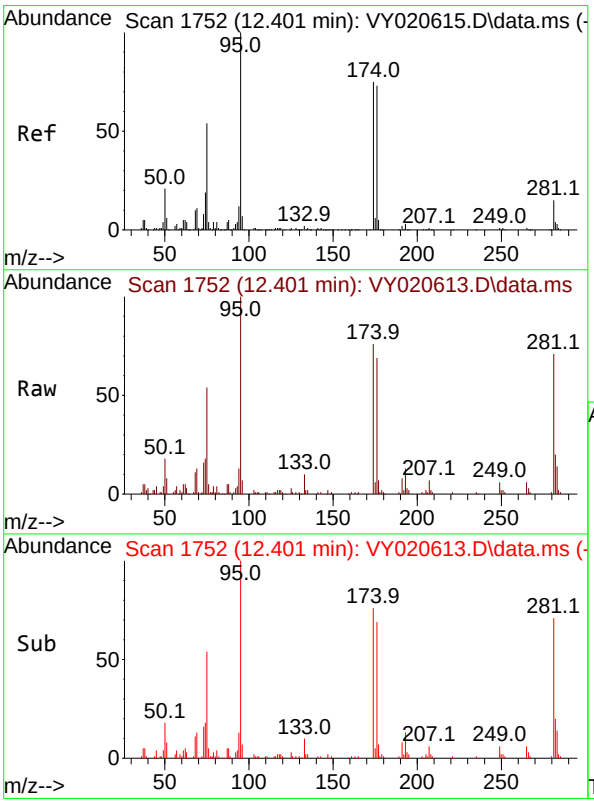
#61
1,2-Dibromoethane
Concen: 11.162 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 16807

Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.4	113.2

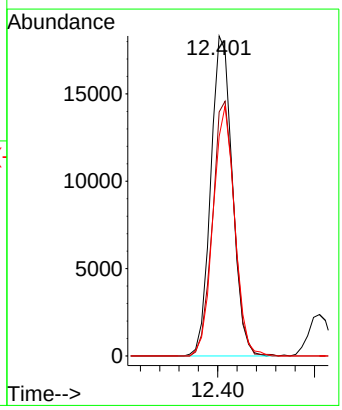


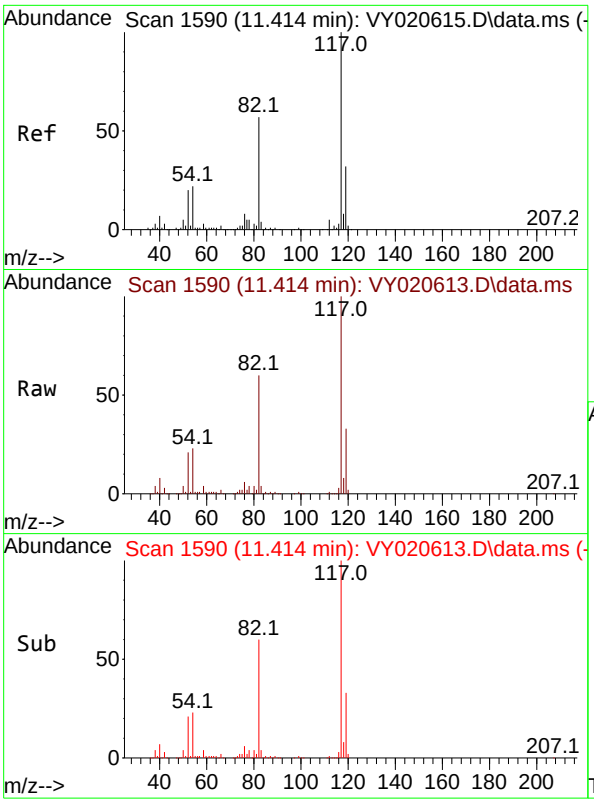


#62
4-Bromofluorobenzene
Concen: 11.154 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 95 Resp: 28323

Ion	Ratio	Lower	Upper
95	100		
174	80.6	0.0	161.8
176	78.3	0.0	156.6



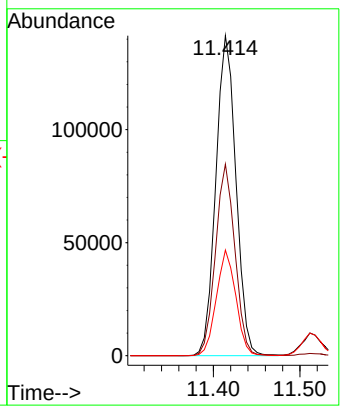


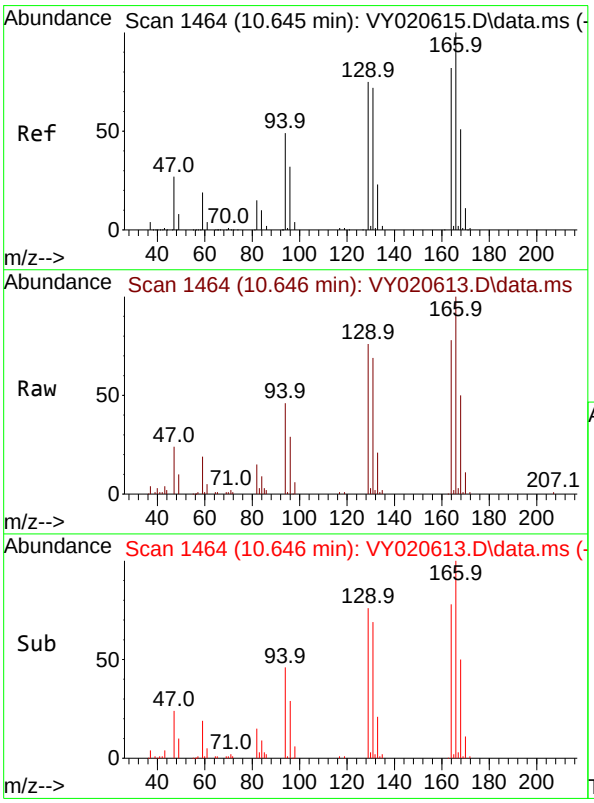
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:117 Resp: 228550

Ion	Ratio	Lower	Upper
117	100		
82	59.9	45.8	68.6
119	33.0	25.3	37.9

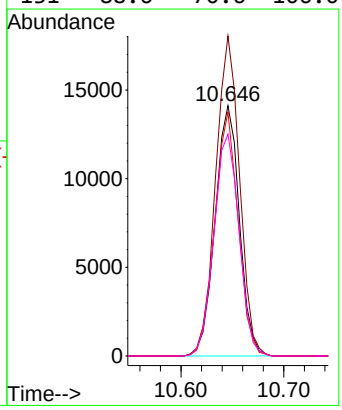


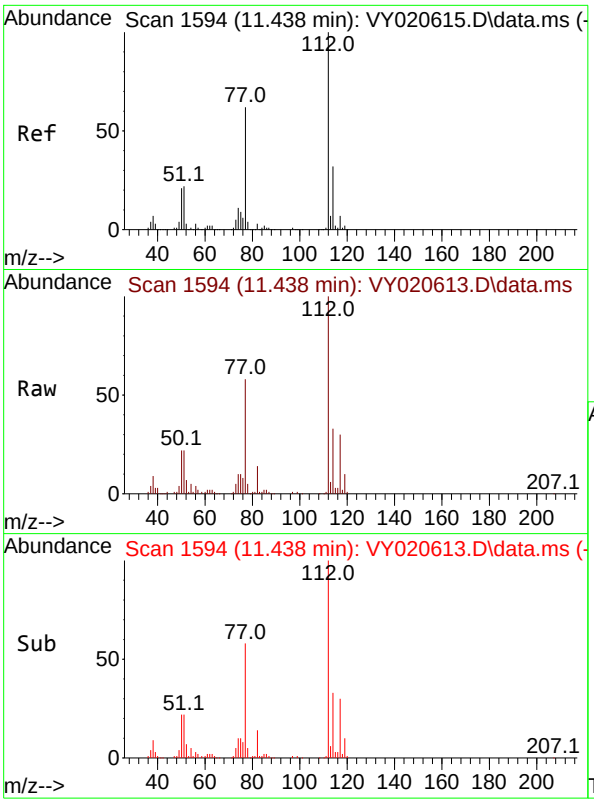


#64
Tetrachloroethene
Concen: 10.744 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:164 Resp: 23098

Ion	Ratio	Lower	Upper
164	100		
166	127.9	97.9	146.9
129	97.5	73.4	110.0
131	88.6	70.6	106.0



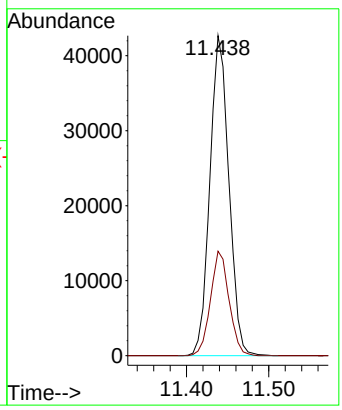


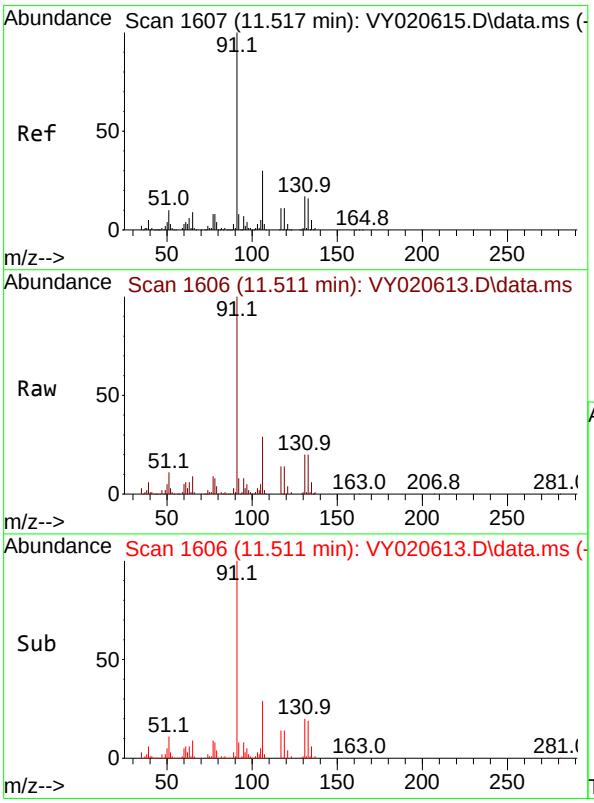
#65
Chlorobenzene
Concen: 10.738 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 68621

Ion	Ratio	Lower	Upper
112	100		
114	32.7	26.0	39.0

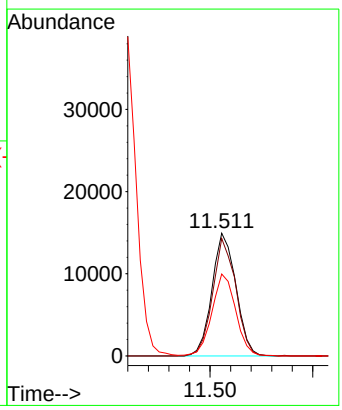


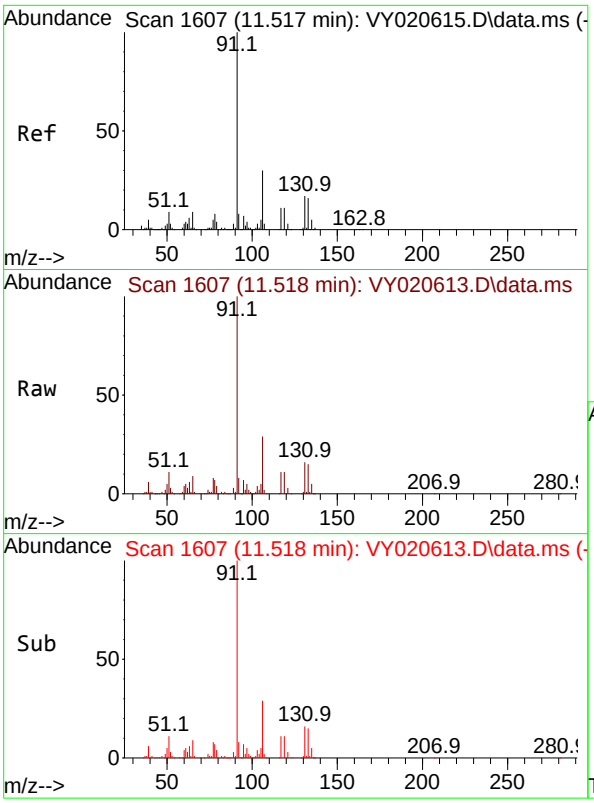


#66
1,1,1,2-Tetrachloroethane
Concen: 11.065 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:131 Resp: 24180

Ion	Ratio	Lower	Upper
131	100		
133	92.6	46.8	140.3
119	66.5	31.8	95.3



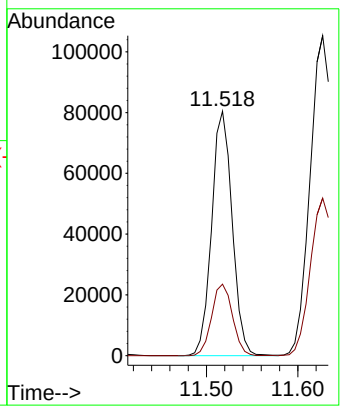


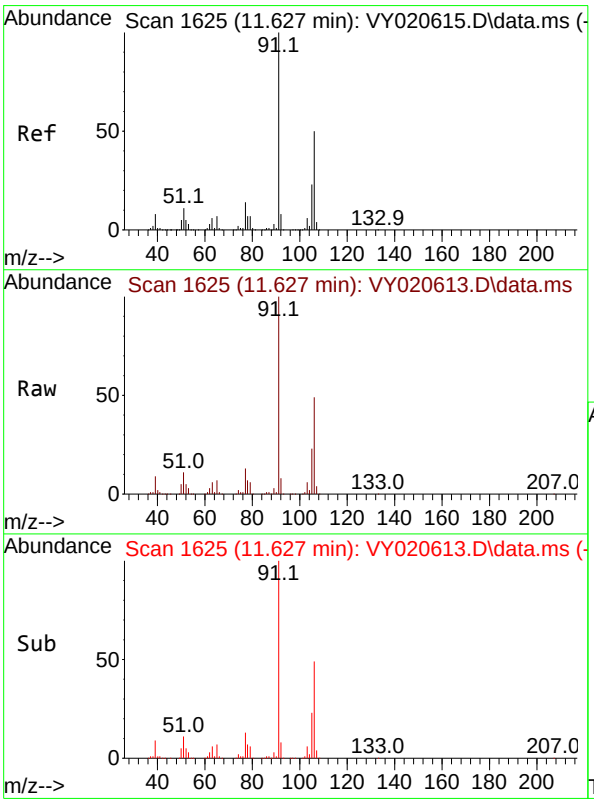
#67
Ethyl Benzene
Concen: 10.649 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 125547

Ion	Ratio	Lower	Upper
91	100		
106	29.2	23.9	35.9

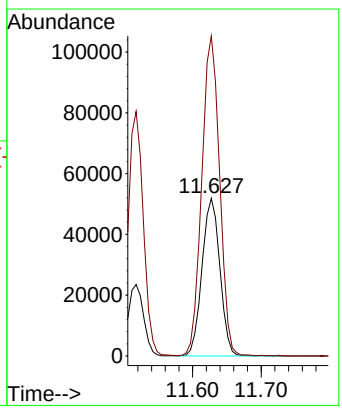


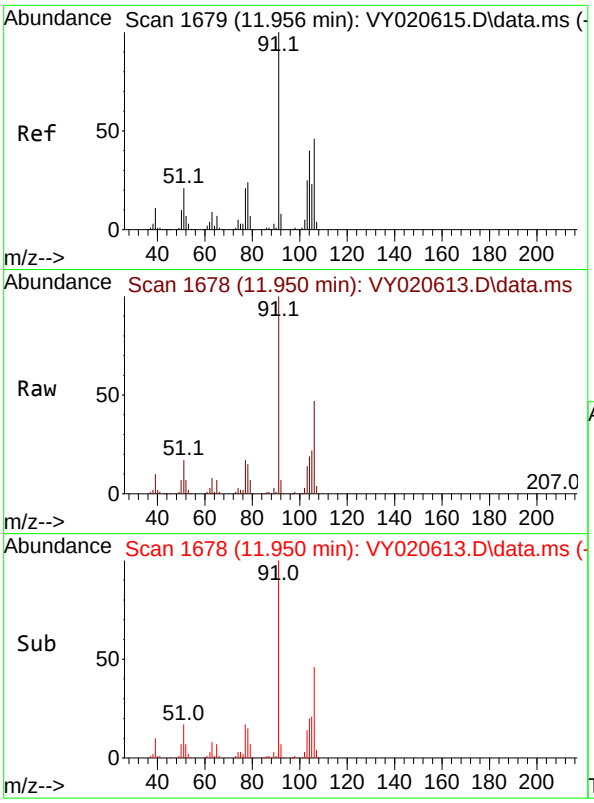


#68
m/p-Xylenes
Concen: 21.506 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:106 Resp: 94273

Ion	Ratio	Lower	Upper
106	100		
91	202.6	165.0	247.4



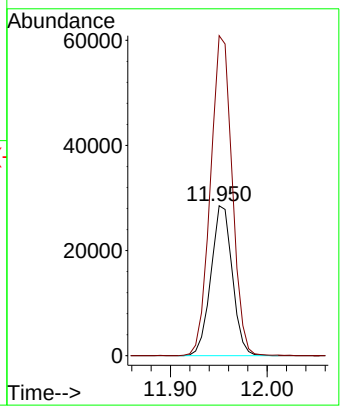


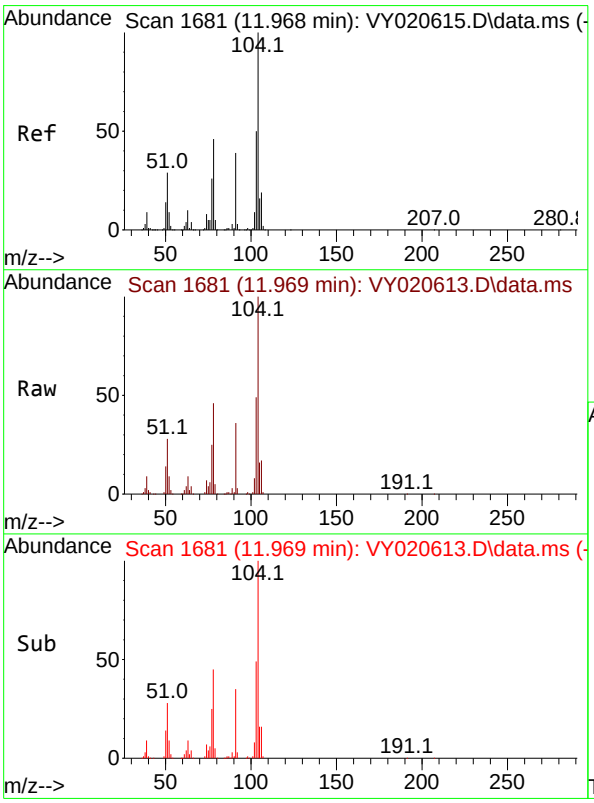
#69
o-Xylene
Concen: 10.684 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 43697

Ion	Ratio	Lower	Upper
106	100		
91	217.0	108.4	325.2

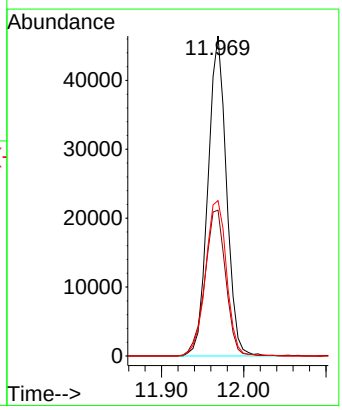


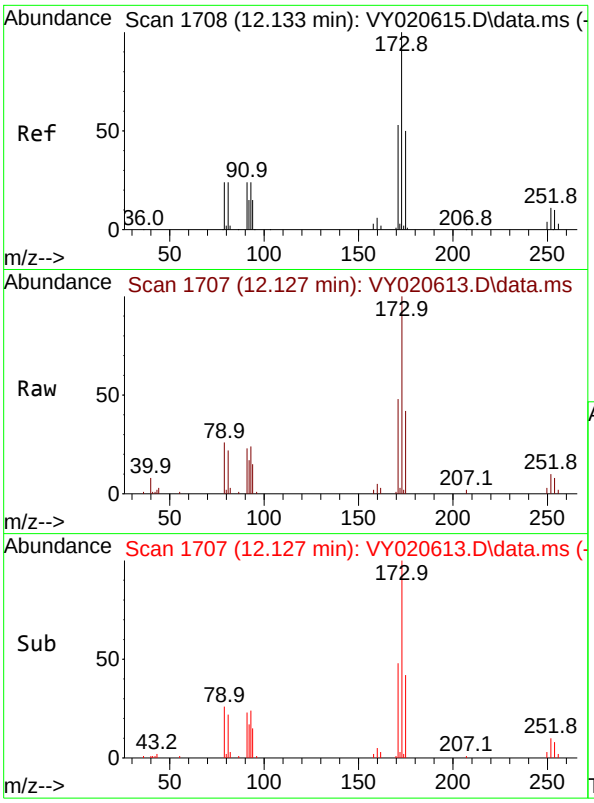


#70
Styrene
Concen: 10.612 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:104 Resp: 72514

Ion	Ratio	Lower	Upper
104	100		
78	51.6	41.6	62.4
103	55.4	43.7	65.5



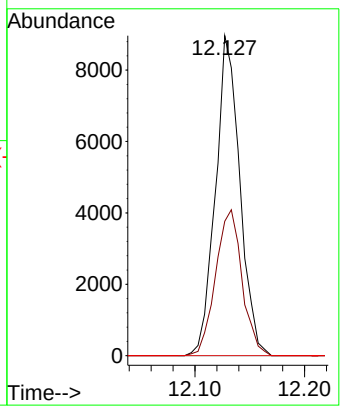


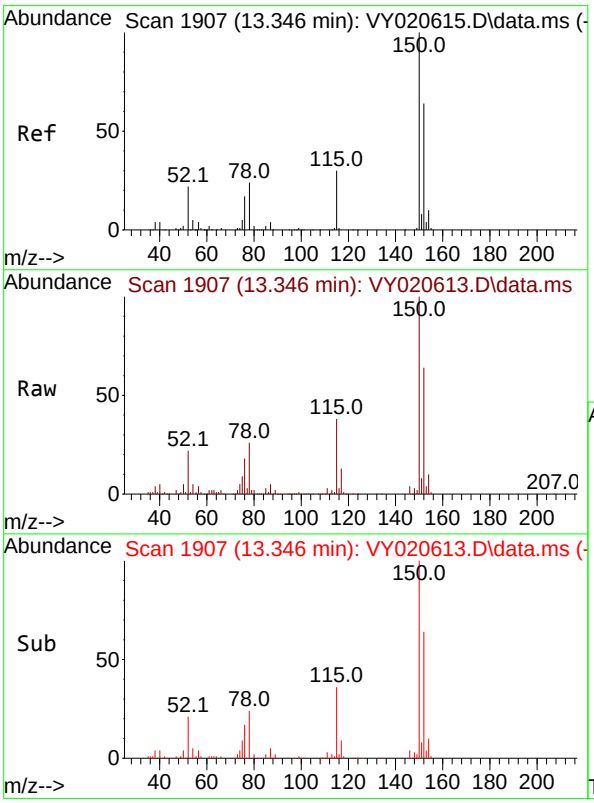
#71
Bromoform
Concen: 11.250 ug/l
RT: 12.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:173 Resp: 13822

Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.6	74.0
254	0.0	0.0	0.0

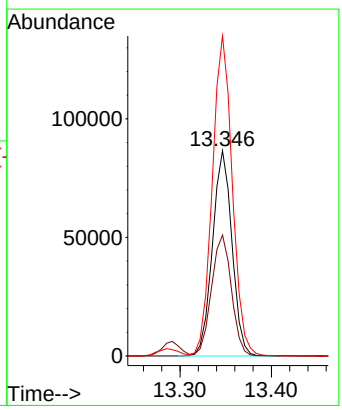


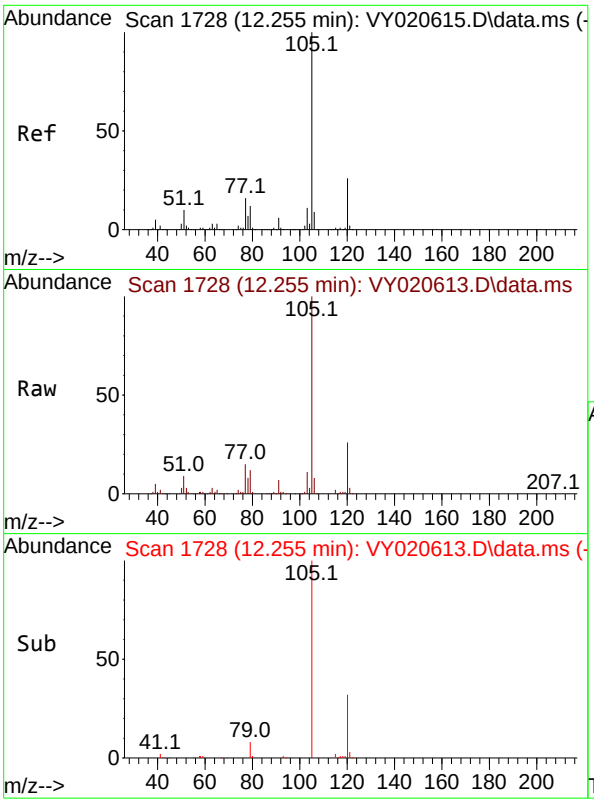


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:152 Resp: 127910

Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.2	90.6
150	160.3	0.0	355.4



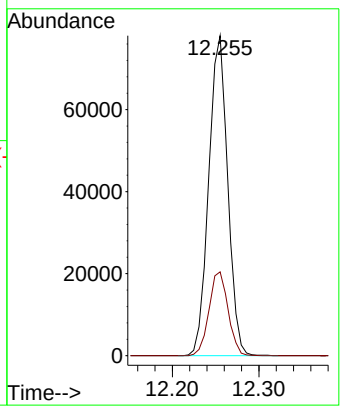


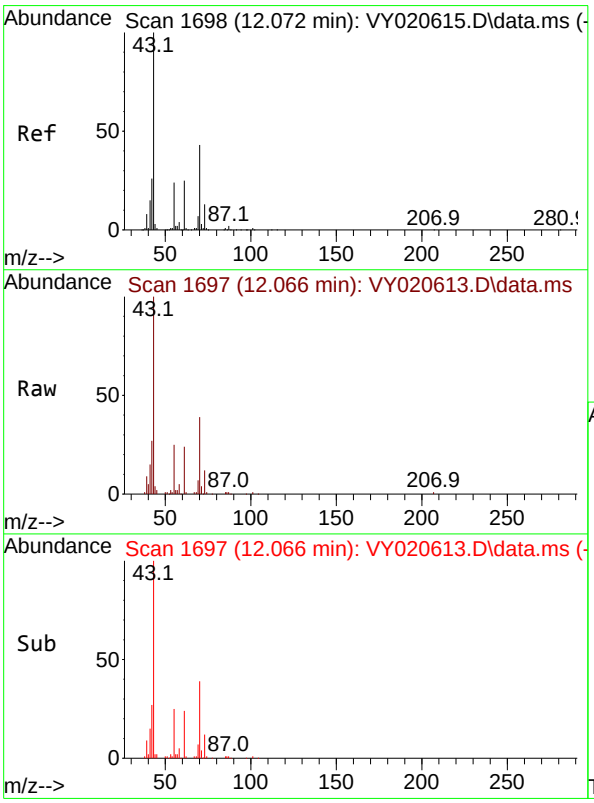
#73
Isopropylbenzene
Concen: 10.624 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 118590

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.1	39.1

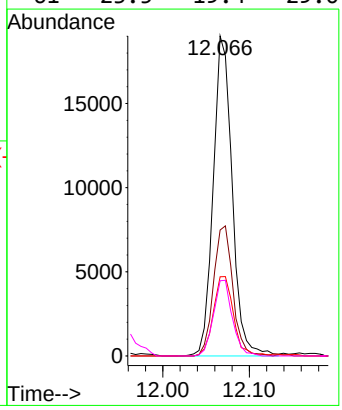


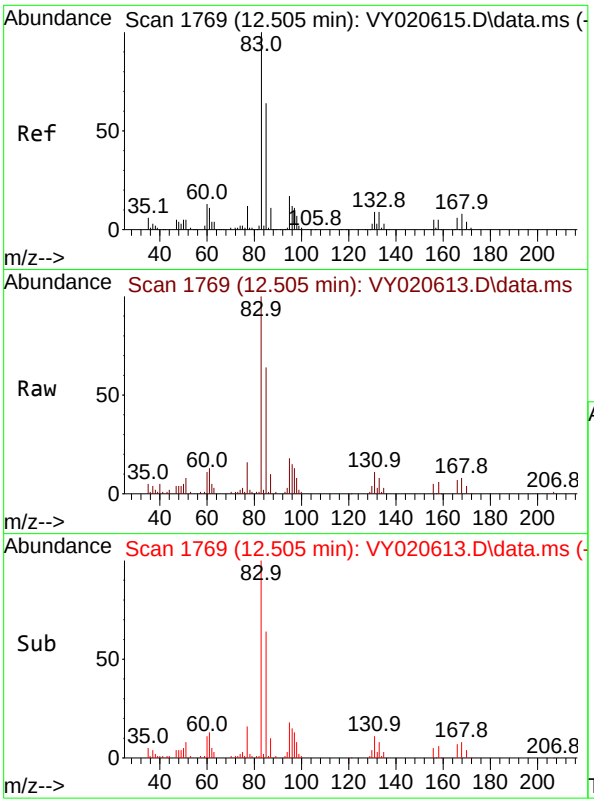


#74
N-amyl acetate
Concen: 11.093 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 43 Resp: 28977

Ion	Ratio	Lower	Upper
43	100		
70	41.2	34.2	51.2
55	26.3	19.6	29.4
61	23.5	19.4	29.0



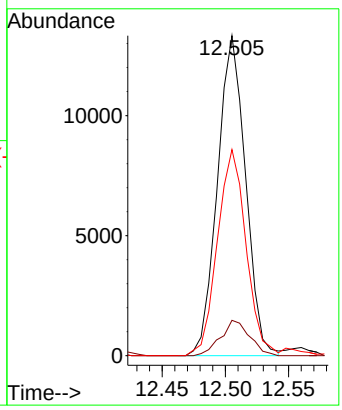


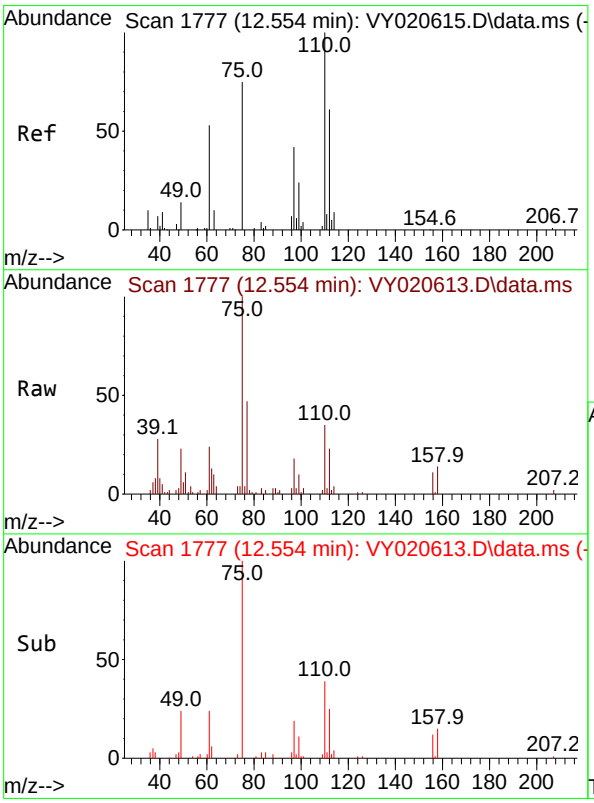
#75
1,1,2,2-Tetrachloroethane
Concen: 11.352 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 20569

Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.2	15.6
85	65.6	32.5	97.4

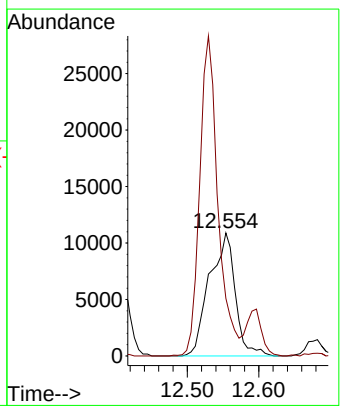


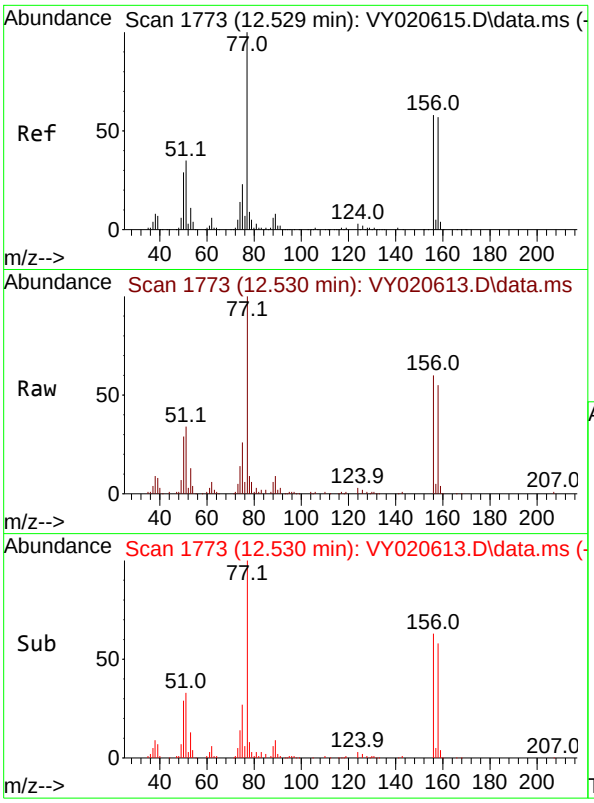


#76
1,2,3-Trichloropropane
Concen: 20.751 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 75 Resp: 27338

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



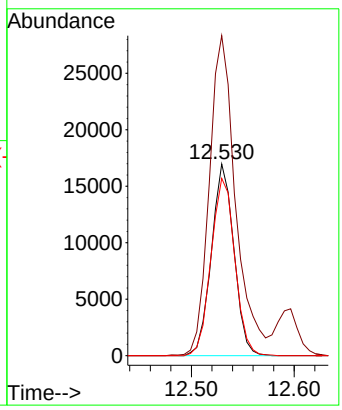


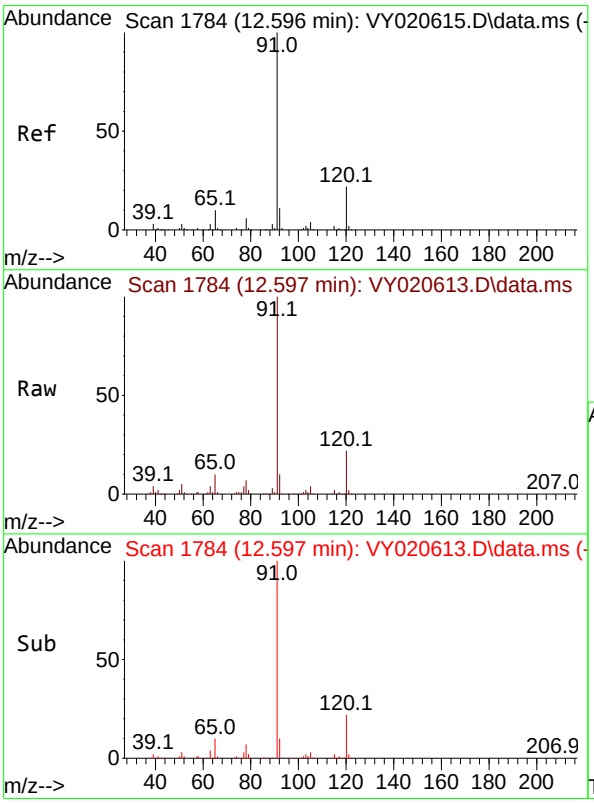
#77
Bromobenzene
Concen: 10.591 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:156 Resp: 25752

Ion	Ratio	Lower	Upper
156	100		
77	195.4	94.2	282.4
158	97.9	48.9	146.6

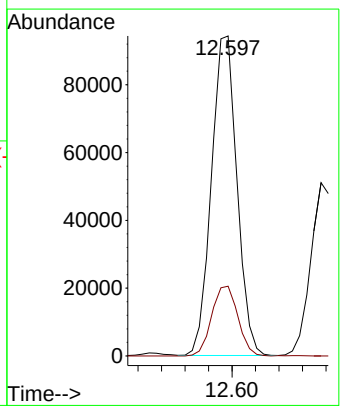


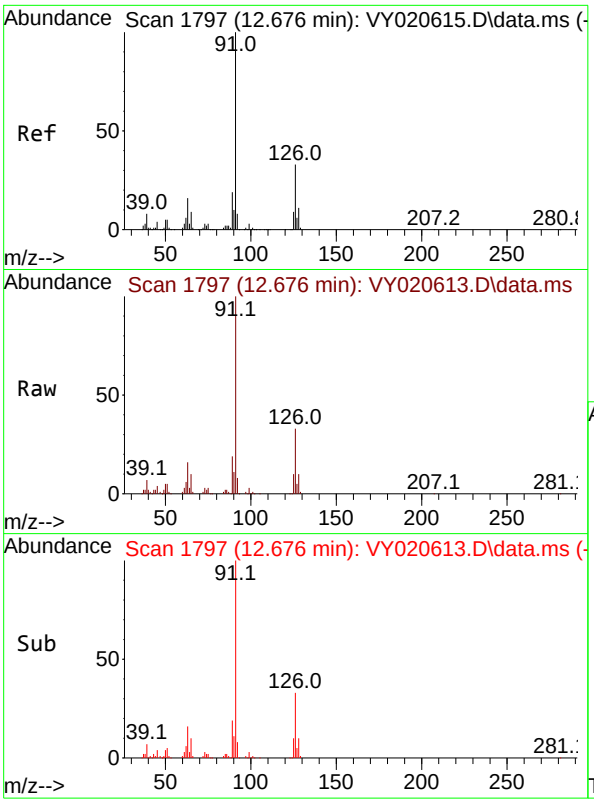


#78
n-propylbenzene
Concen: 10.588 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 91 Resp: 142396

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1



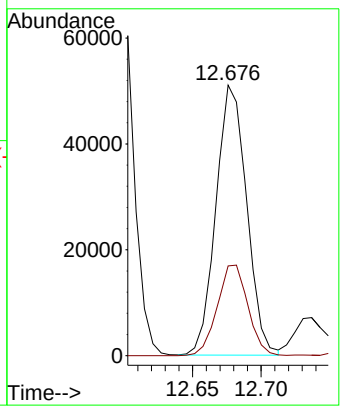


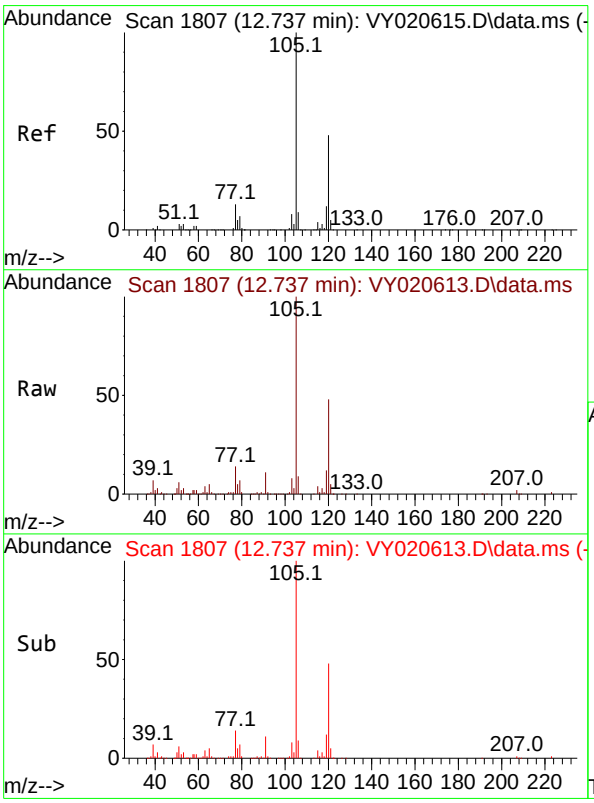
#79
2-Chlorotoluene
Concen: 10.527 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 79651

Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.6	49.7

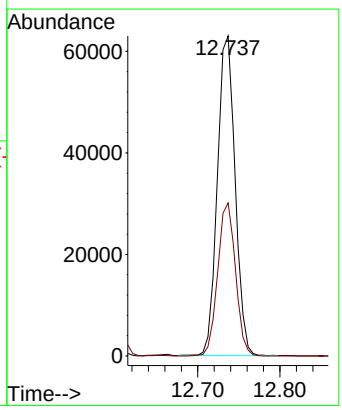


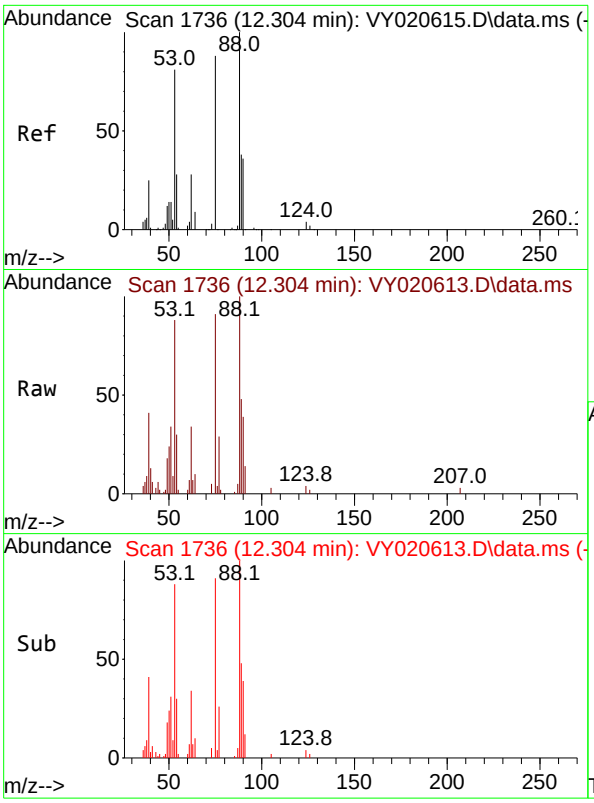


#80
1,3,5-Trimethylbenzene
Concen: 10.453 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:105 Resp: 94672

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.9	71.7



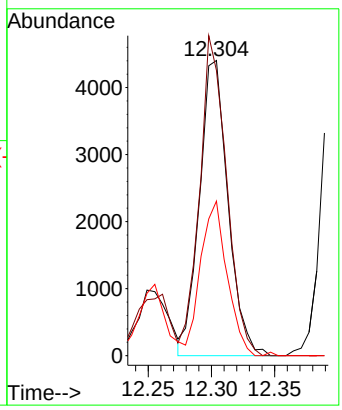


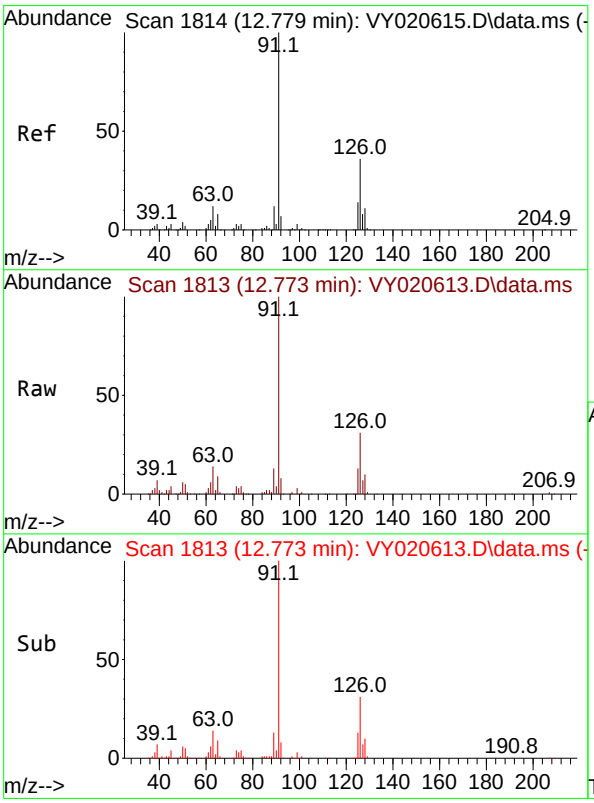
#81
trans-1,4-Dichloro-2-butene
Concen: 10.913 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 6908

Ion	Ratio	Lower	Upper
75	100		
53	102.6	75.4	113.2
89	48.3	37.0	55.4

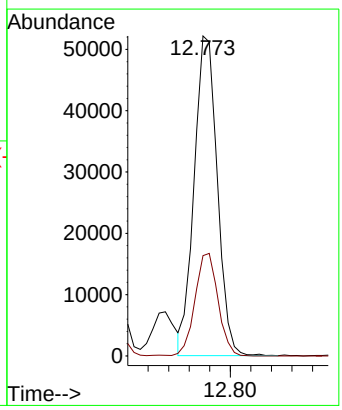


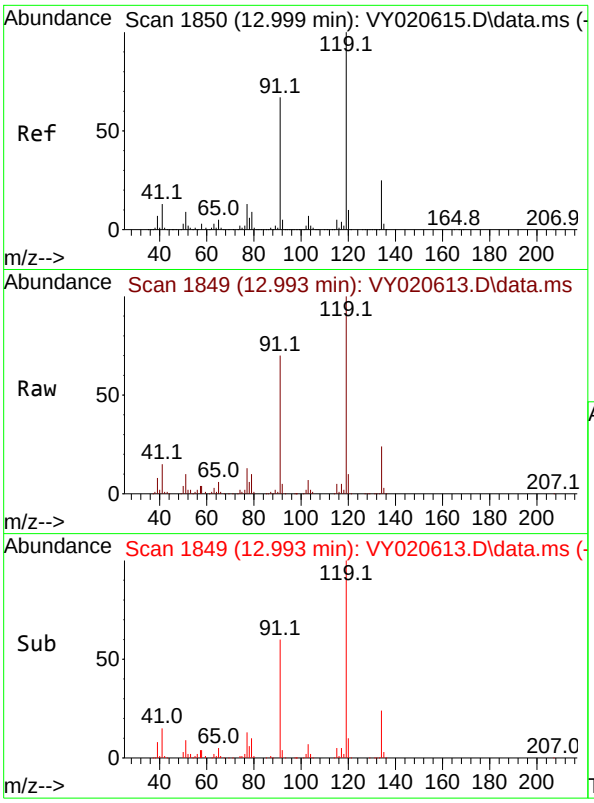


#82
4-Chlorotoluene
Concen: 10.380 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 91 Resp: 81482

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.6	49.7



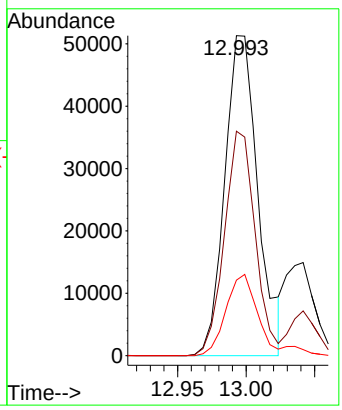


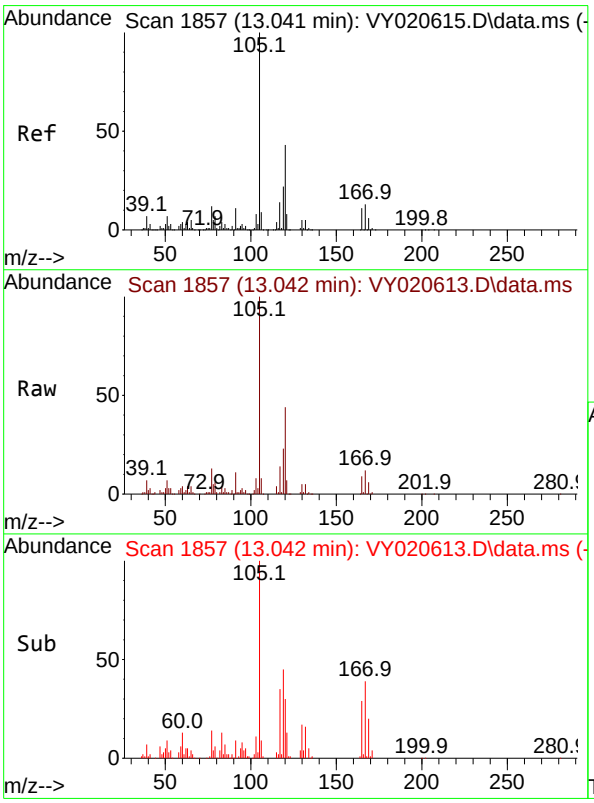
#83
tert-Butylbenzene
Concen: 10.534 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:119 Resp: 86405

Ion	Ratio	Lower	Upper
119	100		
91	65.2	32.9	98.6
134	25.8	13.1	39.1

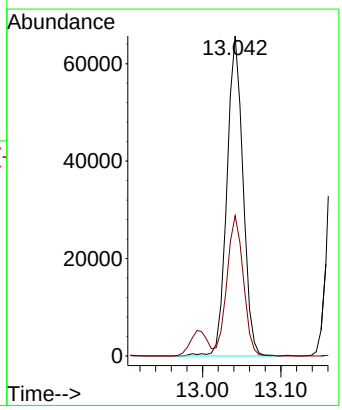


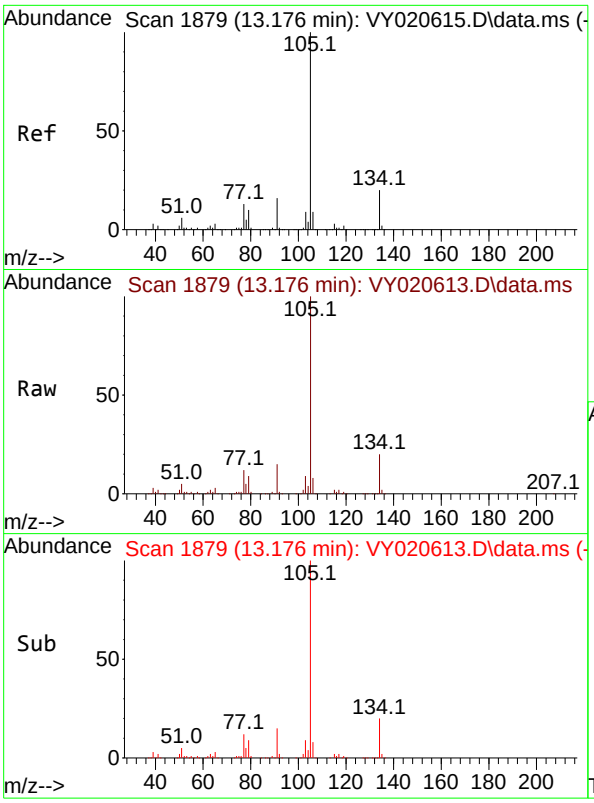


#84
1,2,4-Trimethylbenzene
Concen: 10.539 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:105 Resp: 93630

Ion	Ratio	Lower	Upper
105	100		
120	44.9	21.8	65.4



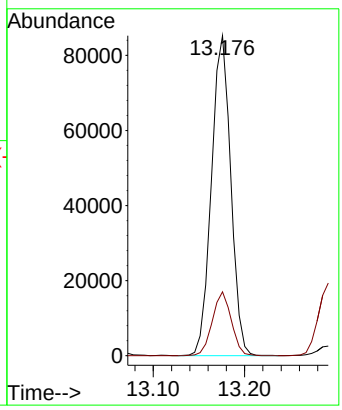


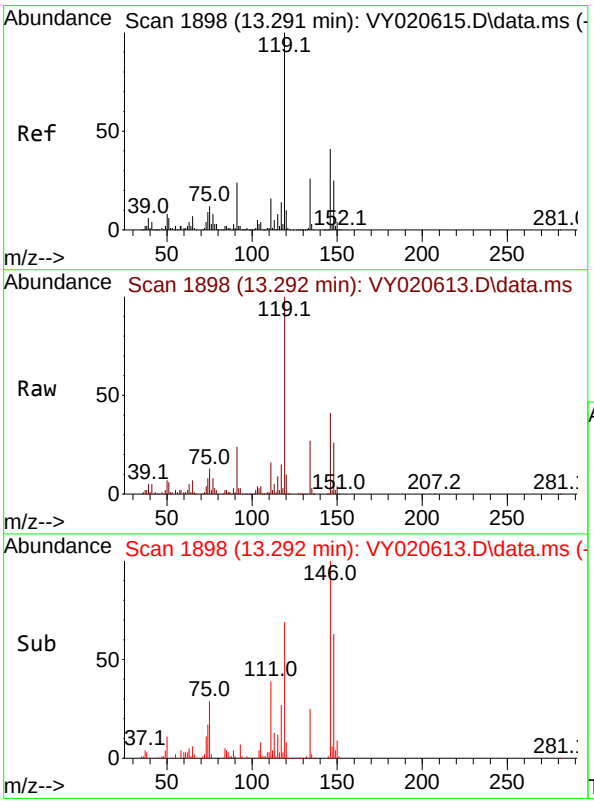
#85
sec-Butylbenzene
Concen: 10.497 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 125189

Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.0	30.0

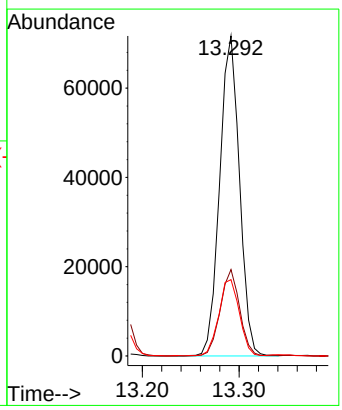


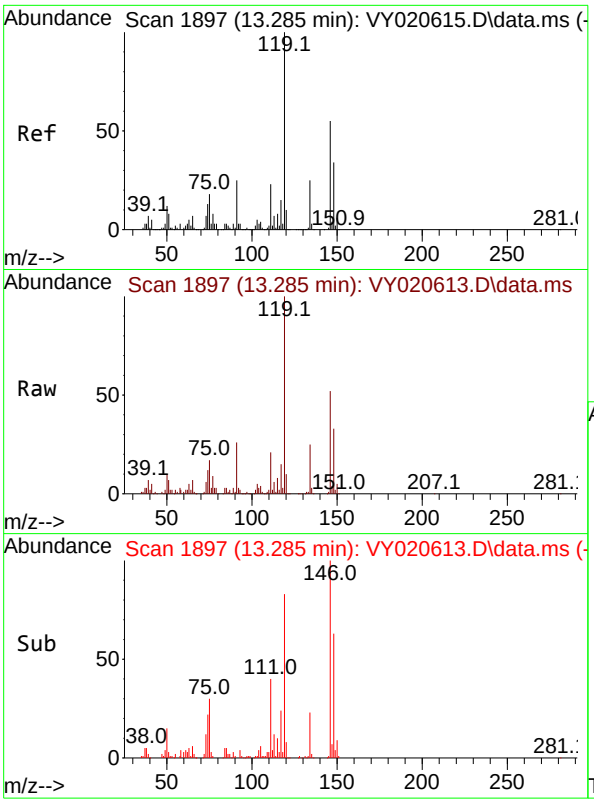


#86
p-Isopropyltoluene
Concen: 10.342 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:119 Resp: 101690

Ion	Ratio	Lower	Upper
119	100		
134	26.6	12.9	38.6
91	24.7	12.1	36.3



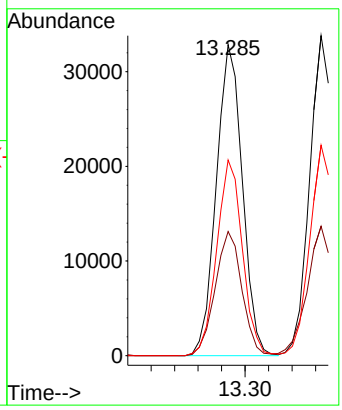


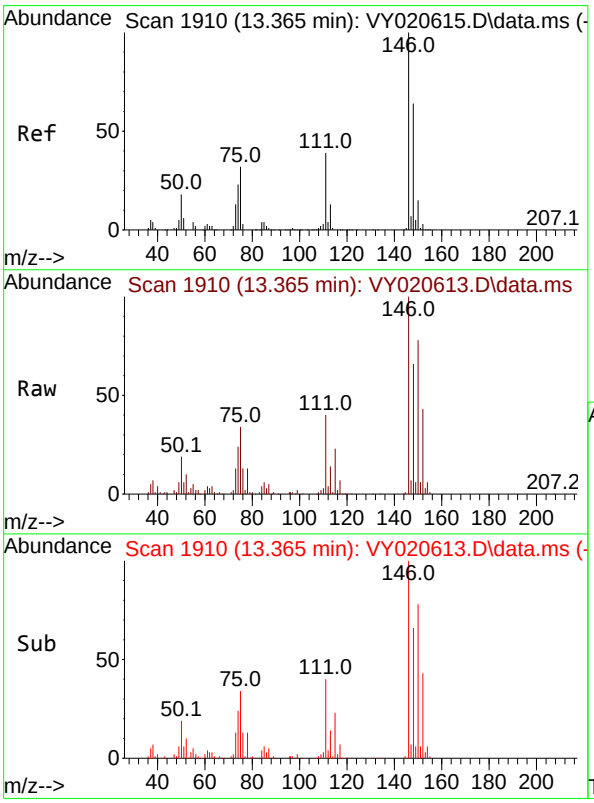
#87
1,3-Dichlorobenzene
Concen: 10.561 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 50691

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.6	61.8
148	62.1	31.4	94.0

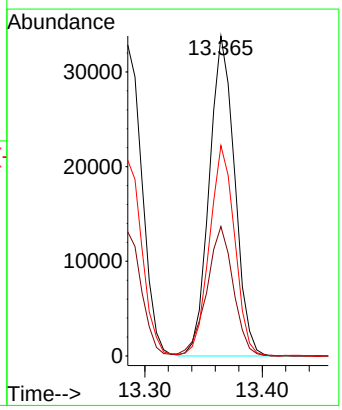


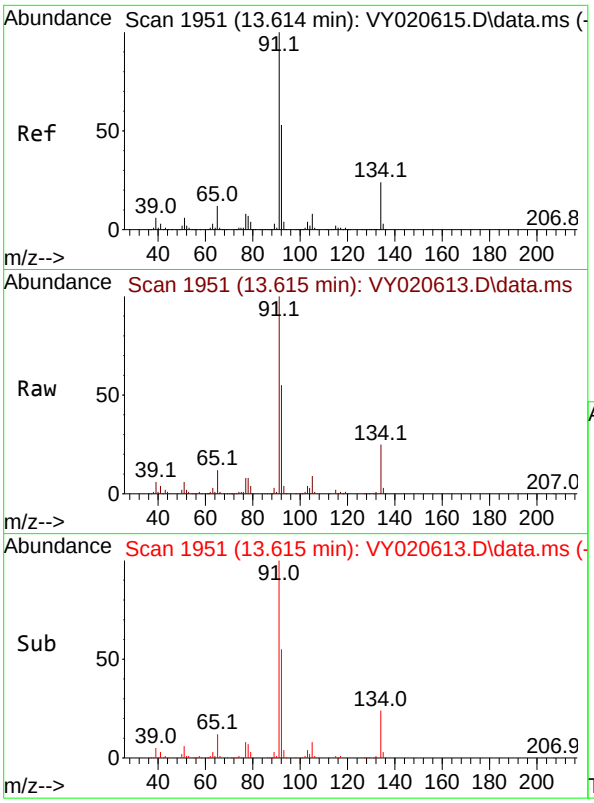


#88
1,4-Dichlorobenzene
Concen: 10.658 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:146 Resp: 50665

Ion	Ratio	Lower	Upper
146	100		
111	42.4	19.6	58.7
148	65.3	31.9	95.5



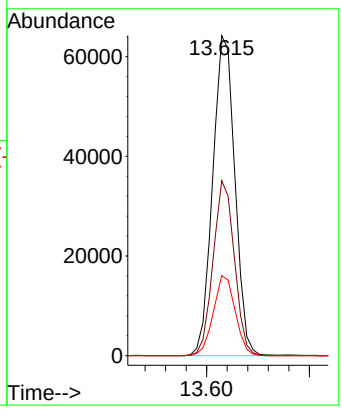


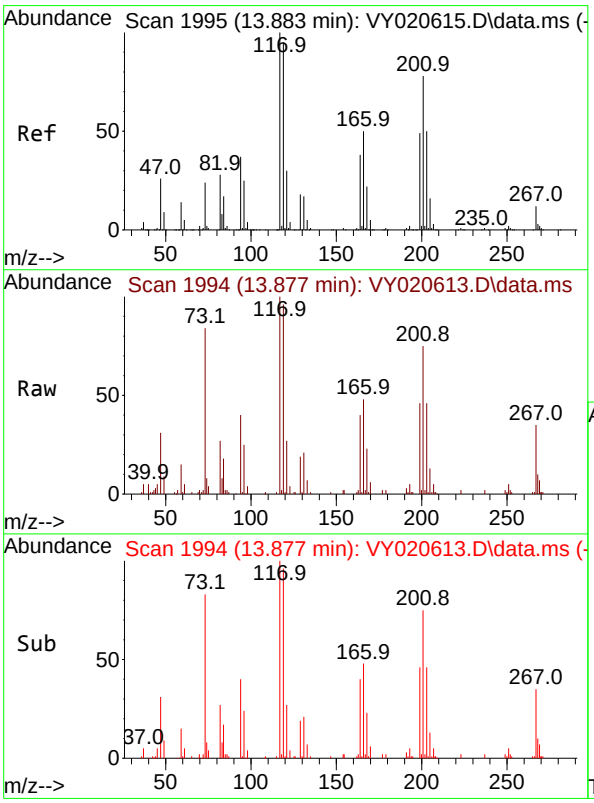
#89
n-Butylbenzene
Concen: 10.307 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 96052

Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.8	80.4
134	24.7	12.5	37.5

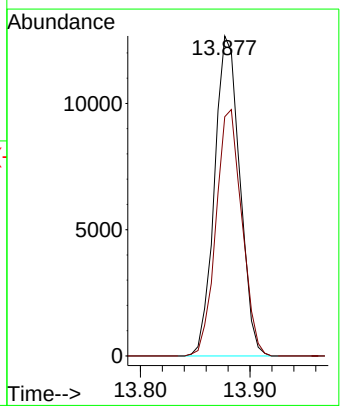


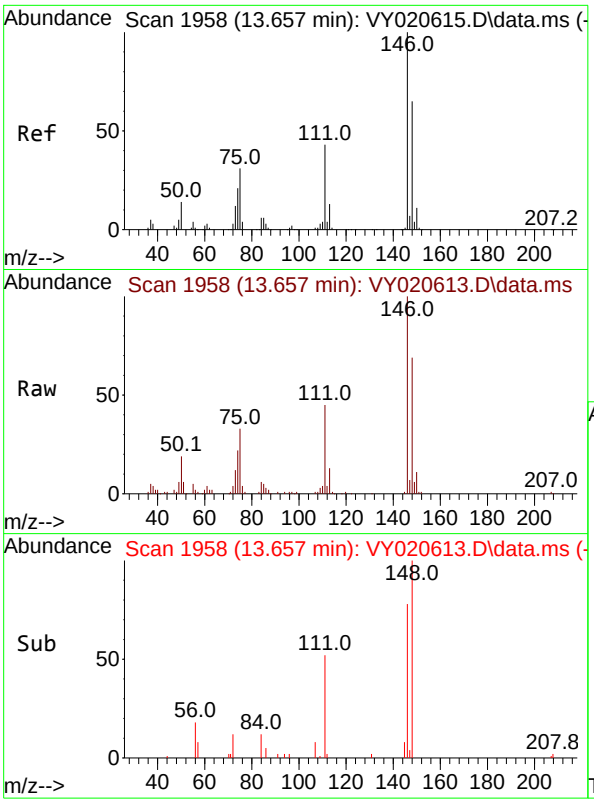


#90
Hexachloroethane
Concen: 10.430 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:117 Resp: 20324

Ion	Ratio	Lower	Upper
117	100		
201	78.7	39.1	117.3



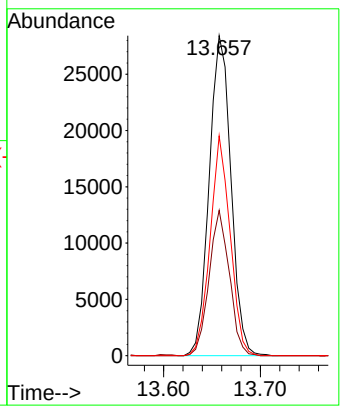


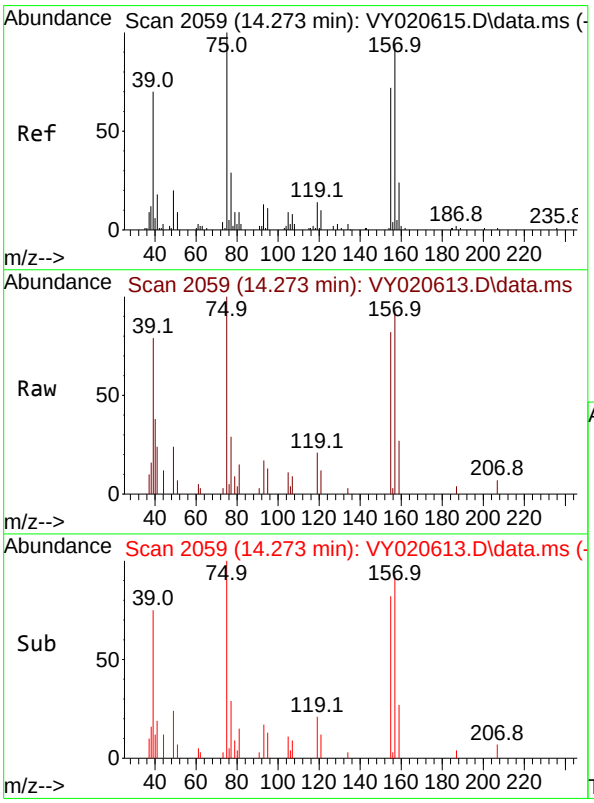
#91
1,2-Dichlorobenzene
Concen: 10.674 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 44391

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.3	63.7
148	63.3	32.0	96.0

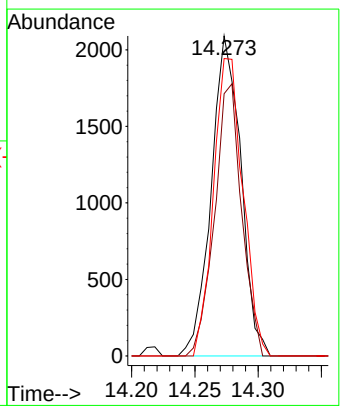


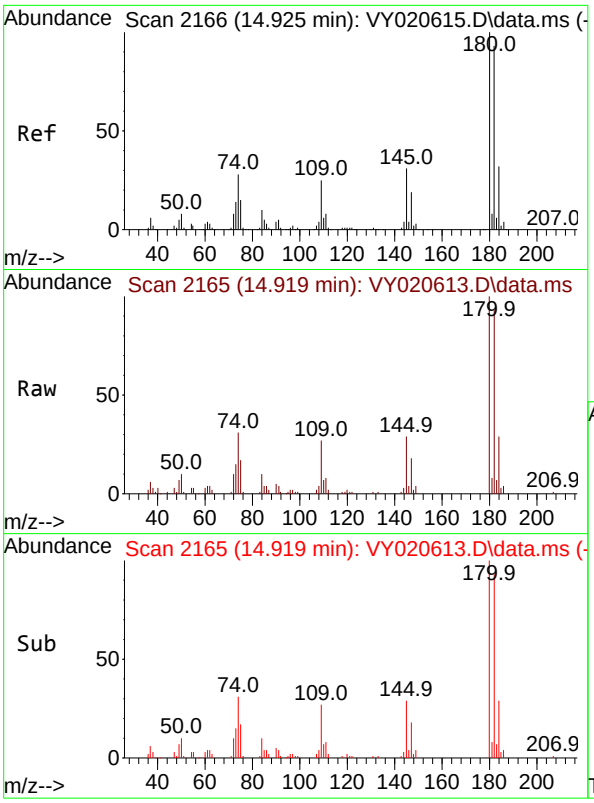


#92
1,2-Dibromo-3-Chloropropane
Concen: 11.579 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion: 75 Resp: 3406

Ion	Ratio	Lower	Upper
75	100		
155	78.1	41.1	123.3
157	92.3	52.9	158.8



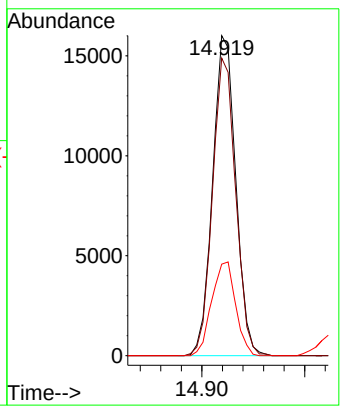


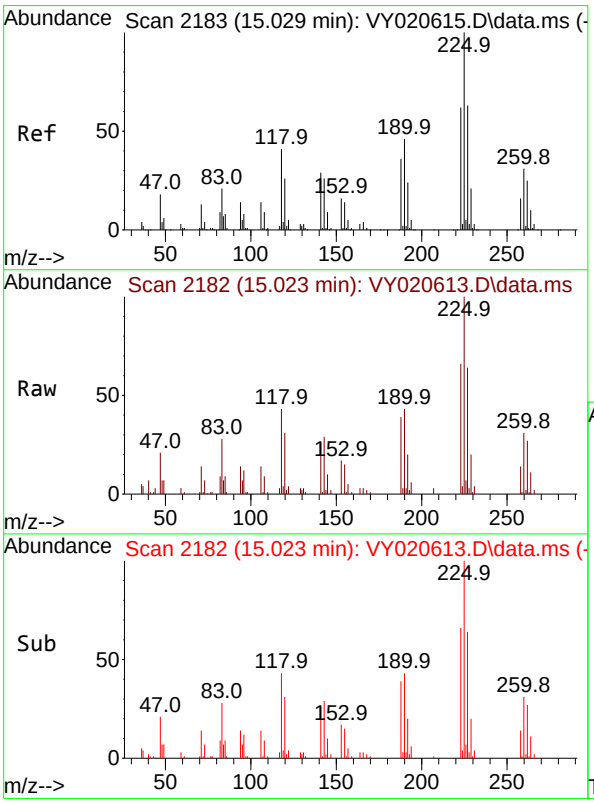
#93
1,2,4-Trichlorobenzene
Concen: 9.920 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:180 Resp: 24954

Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.9	143.6
145	30.3	15.6	46.7

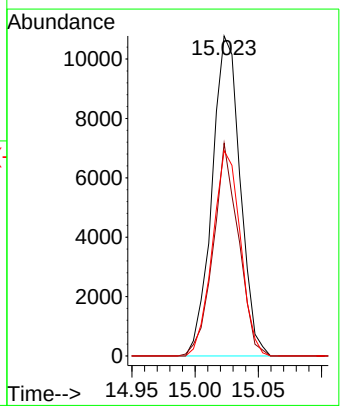


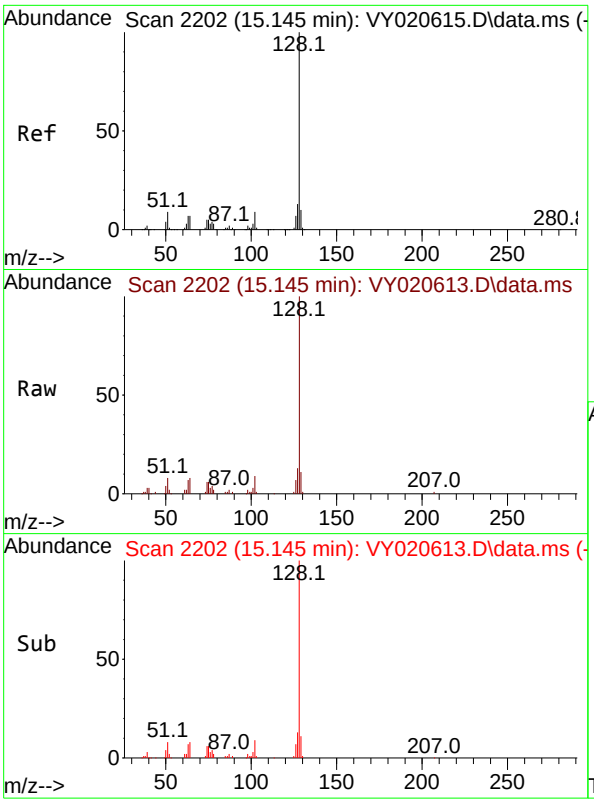


#94
Hexachlorobutadiene
Concen: 10.107 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:225 Resp: 16620

Ion	Ratio	Lower	Upper
225	100		
223	59.8	31.8	95.3
227	63.6	32.2	96.6



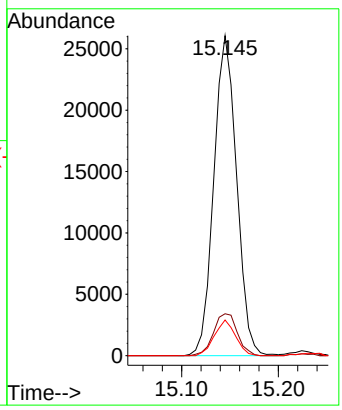


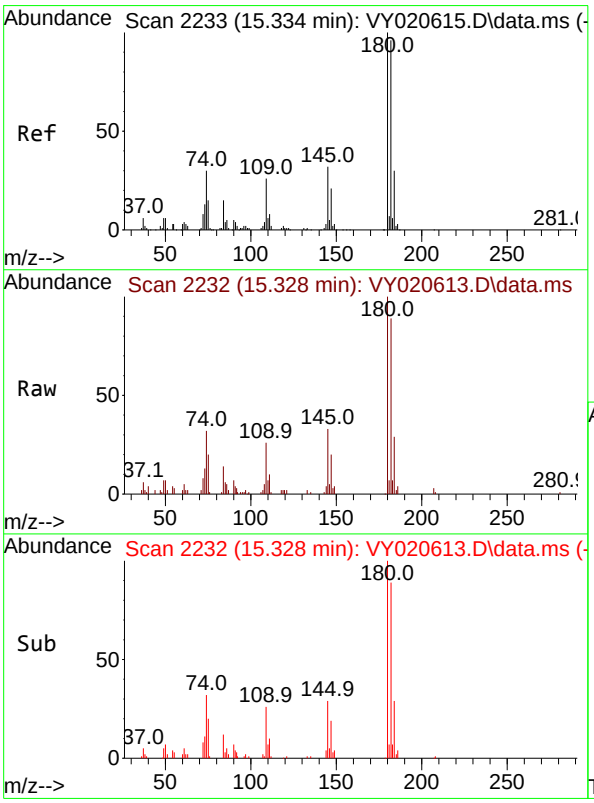
#95
Naphthalene
Concen: 9.901 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:128 Resp: 42698

Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.7	16.1
129	10.4	8.5	12.7

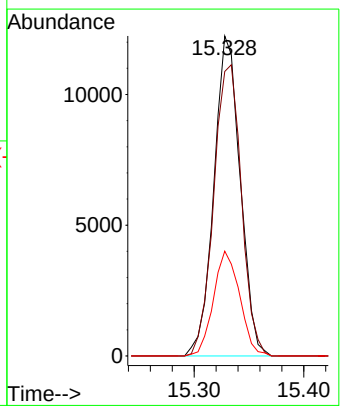




#96
1,2,3-Trichlorobenzene
Concen: 9.602 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY020613.D
Acq: 17 Dec 2024 10:01

Tgt Ion:180 Resp: 20408

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	32.7	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020614.D
Acq On : 17 Dec 2024 10:23
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Dec 18 04:51:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	177160	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	272612	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	241222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	131827	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	34492	17.777	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	35.560%#		
35) Dibromofluoromethane	7.634	113	35742	18.603	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	37.200%#		
50) Toluene-d8	10.103	98	122846	18.267	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	36.540%#		
62) 4-Bromofluorobenzene	12.401	95	48801	18.552	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	37.100%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	44875	20.280	ug/l	99
3) Chloromethane	2.068	50	35845	21.863	ug/l	98
4) Vinyl Chloride	2.202	62	33253	21.791	ug/l	100
5) Bromomethane	2.586	94	19758	20.142	ug/l	100
6) Chloroethane	2.732	64	20312	21.539	ug/l	98
7) Trichlorofluoromethane	3.055	101	67594	21.169	ug/l	98
8) Diethyl Ether	3.452	74	23380	20.878	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.817	101	46696	20.403	ug/l	100
10) Methyl Iodide	4.000	142	52895	20.758	ug/l	97
11) Tert butyl alcohol	4.866	59	25807	106.274	ug/l #	93
12) 1,1-Dichloroethene	3.787	96	45124	20.319	ug/l	99
13) Acrolein	3.653	56	11611	126.557	ug/l	94
14) Allyl chloride	4.384	41	79257	20.368	ug/l	99
15) Acrylonitrile	5.055	53	51118	95.416	ug/l	99
16) Acetone	3.866	43	38075	94.781	ug/l	99
17) Carbon Disulfide	4.104	76	147576	20.416	ug/l	100
18) Methyl Acetate	4.384	43	24886	18.851	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	112241	19.582	ug/l	96
20) Methylene Chloride	4.616	84	48431	20.076	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	49814	19.997	ug/l	97
22) Diisopropyl ether	6.018	45	158410	20.055	ug/l	97
23) Vinyl Acetate	5.963	43	441039	98.587	ug/l	100
24) 1,1-Dichloroethane	5.915	63	92599	20.011	ug/l	99
25) 2-Butanone	6.896	43	67498	93.608	ug/l	98
26) 2,2-Dichloropropane	6.884	77	86393	19.750	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	57749	20.149	ug/l	99
28) Bromochloromethane	7.244	49	24987	16.009	ug/l	98
29) Tetrahydrofuran	7.256	42	44636	98.059	ug/l	98
30) Chloroform	7.421	83	103806	19.065	ug/l	99
31) Cyclohexane	7.701	56	88339	19.966	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	86081	20.249	ug/l	99
36) 1,1-Dichloropropene	7.835	75	69466	19.828	ug/l	99
37) Ethyl Acetate	6.982	43	31585	19.166	ug/l	99
38) Carbon Tetrachloride	7.817	117	77945	20.109	ug/l	96
39) Methylcyclohexane	9.103	83	92458	20.249	ug/l	97
40) Benzene	8.079	78	207185	20.176	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020614.D
Acq On : 17 Dec 2024 10:23
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Dec 18 04:51:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	15884	18.232	ug/l		96
42) 1,2-Dichloroethane	8.158	62	54425	19.983	ug/l		99
43) Isopropyl Acetate	8.195	43	60446	19.375	ug/l	#	88
44) Trichloroethene	8.865	130	50346	19.952	ug/l		100
45) 1,2-Dichloropropane	9.140	63	49119	20.466	ug/l		99
46) Dibromomethane	9.231	93	25054	19.753	ug/l		99
47) Bromodichloromethane	9.420	83	68951	20.125	ug/l		97
48) Methyl methacrylate	9.219	41	28256	19.051	ug/l		100
49) 1,4-Dioxane	9.225	88	5399	371.167	ug/l		96
51) 4-Methyl-2-Pentanone	9.993	43	157955	95.918	ug/l		99
52) Toluene	10.170	92	129196	20.245	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	62391	19.543	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	75647	19.996	ug/l		97
55) 1,1,2-Trichloroethane	10.572	97	33330	19.875	ug/l		97
56) Ethyl methacrylate	10.438	69	46055	18.930	ug/l		99
57) 1,3-Dichloropropane	10.713	76	59274	19.828	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	96023	93.804	ug/l		100
59) 2-Hexanone	10.755	43	99623	94.224	ug/l		100
60) Dibromochloromethane	10.908	129	43825	19.541	ug/l		98
61) 1,2-Dibromoethane	11.011	107	30621	19.630	ug/l		100
64) Tetrachloroethene	10.646	164	44735	19.716	ug/l		98
65) Chlorobenzene	11.438	112	134807	19.987	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.517	131	45146	19.574	ug/l		98
67) Ethyl Benzene	11.517	91	249208	20.027	ug/l		100
68) m/p-Xylenes	11.627	106	183488	39.659	ug/l		98
69) o-Xylene	11.950	106	86043	19.932	ug/l		98
70) Styrene	11.968	104	144333	20.012	ug/l		99
71) Bromoform	12.133	173	24718	19.062	ug/l	#	99
73) Isopropylbenzene	12.255	105	234727	20.404	ug/l		100
74) N-amyl acetate	12.066	43	52699	19.574	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	36998	19.813	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	50299	37.046	ug/l	#	100
77) Bromobenzene	12.529	156	50276	20.063	ug/l		99
78) n-propylbenzene	12.596	91	284604	20.534	ug/l		100
79) 2-Chlorotoluene	12.676	91	158834	20.369	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	190968	20.458	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	13039	19.986	ug/l		98
82) 4-Chlorotoluene	12.773	91	164692	20.358	ug/l		99
83) tert-Butylbenzene	12.999	119	173358	20.507	ug/l		100
84) 1,2,4-Trimethylbenzene	13.041	105	186344	20.352	ug/l		99
85) sec-Butylbenzene	13.176	105	251880	20.492	ug/l		100
86) p-Isopropyltoluene	13.291	119	208342	20.558	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	100815	20.380	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	97668	19.935	ug/l		99
89) n-Butylbenzene	13.615	91	196997	20.511	ug/l		99
90) Hexachloroethane	13.877	117	40281	20.057	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	85128	19.862	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5627	18.561	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	48869	18.850	ug/l		99
94) Hexachlorobutadiene	15.023	225	33524	19.781	ug/l		99
95) Naphthalene	15.145	128	80562	18.126	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	41686	19.031	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020614.D
Acq On : 17 Dec 2024 10:23
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Dec 18 04:51:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

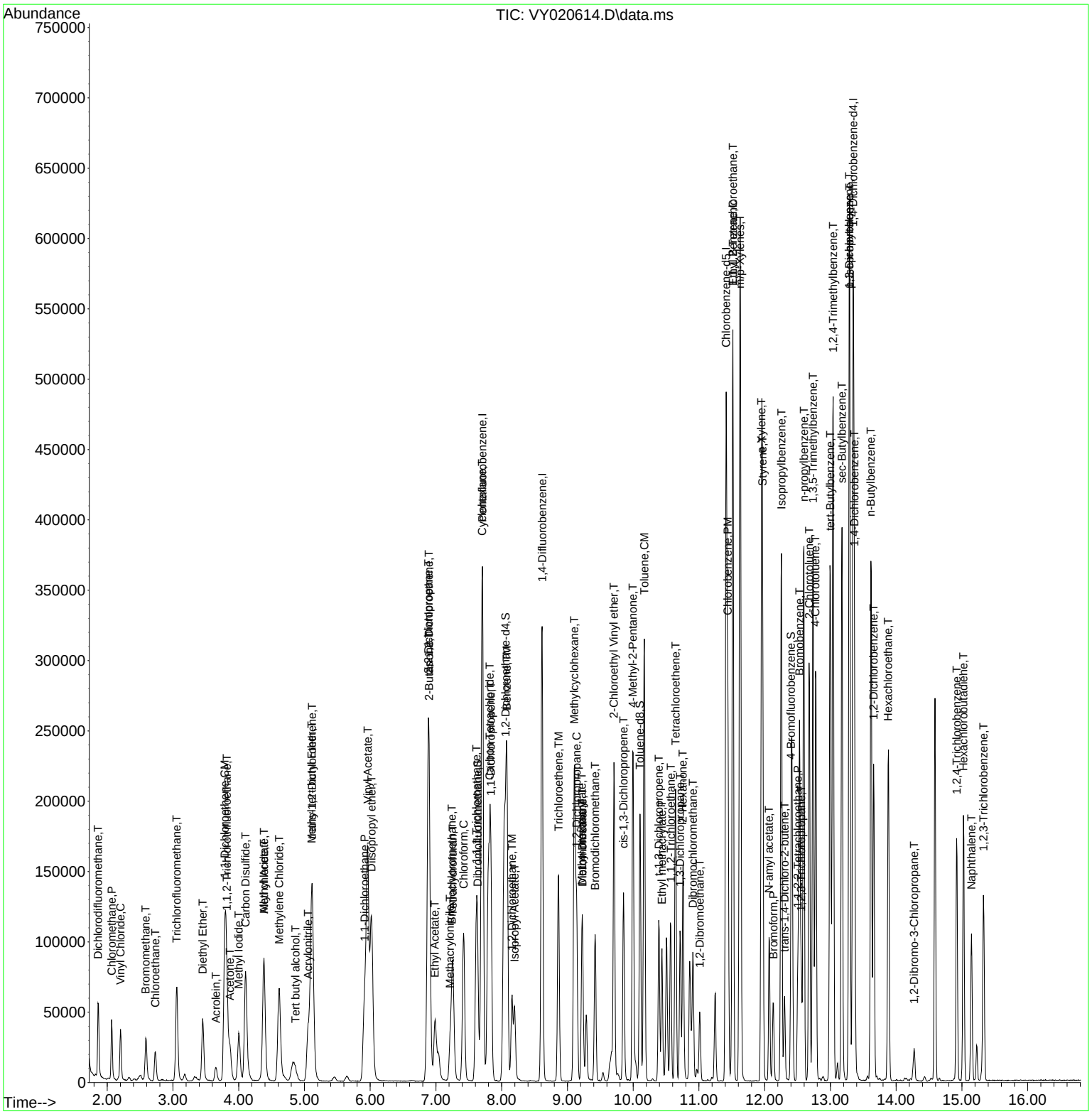
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

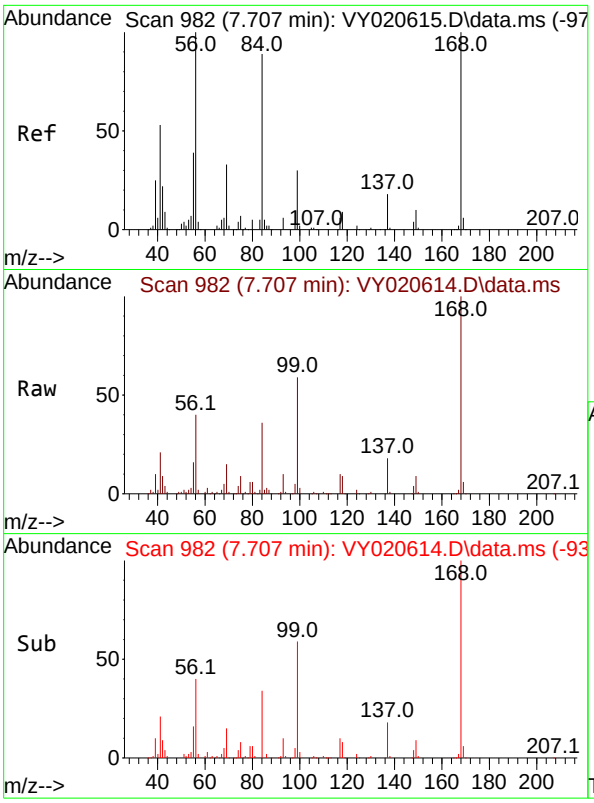
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020614.D
Acq On : 17 Dec 2024 10:23
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Dec 18 04:51:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration



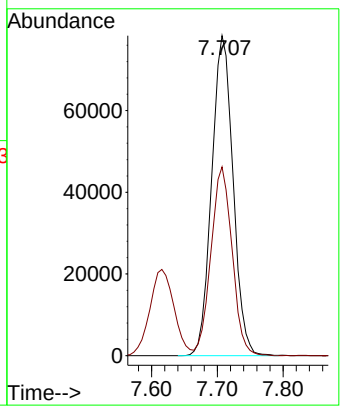


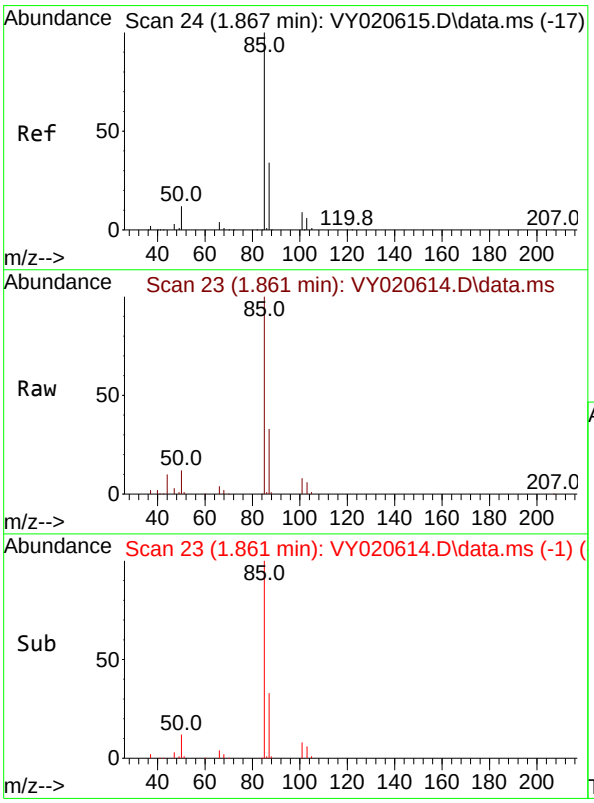
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 177160

Ion	Ratio	Lower	Upper
168	100		
99	59.0	47.0	70.6

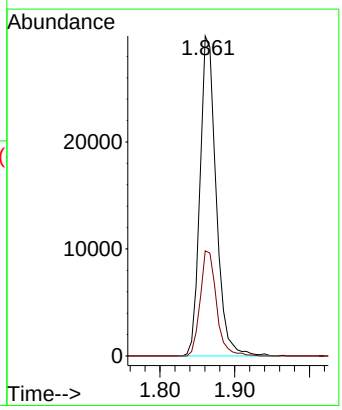


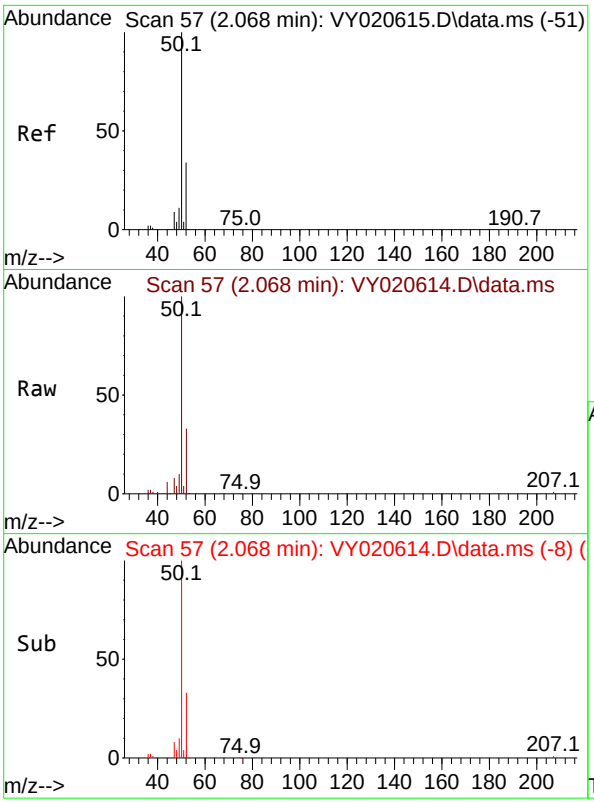


#2
Dichlorodifluoromethane
Concen: 20.280 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 85 Resp: 44875

Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.8	50.3



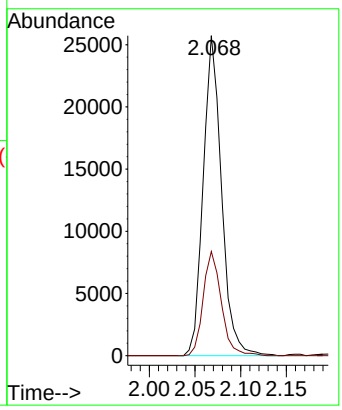


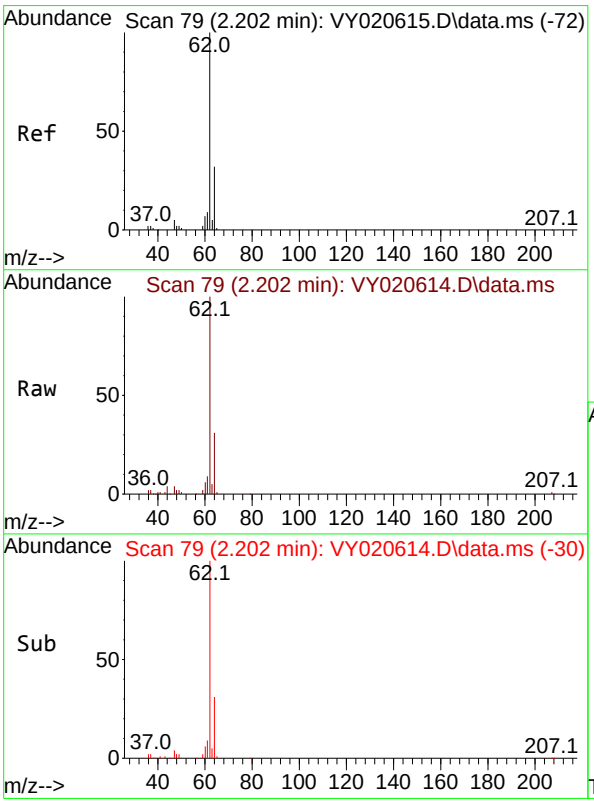
#3
Chloromethane
Concen: 21.863 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 35845

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.8	40.2

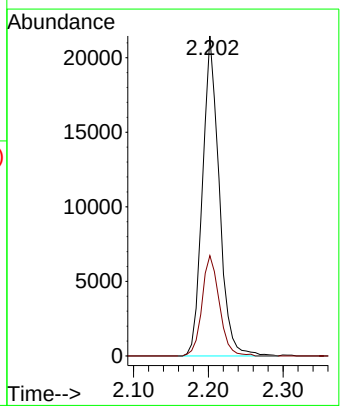


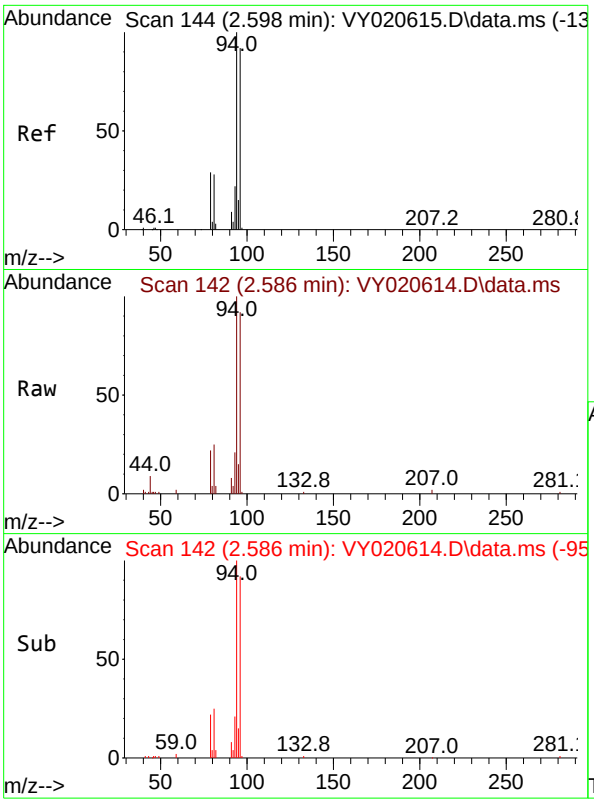


#4
Vinyl Chloride
Concen: 21.791 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 62 Resp: 33253

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.3	37.9



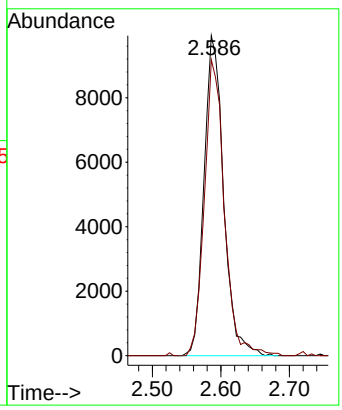


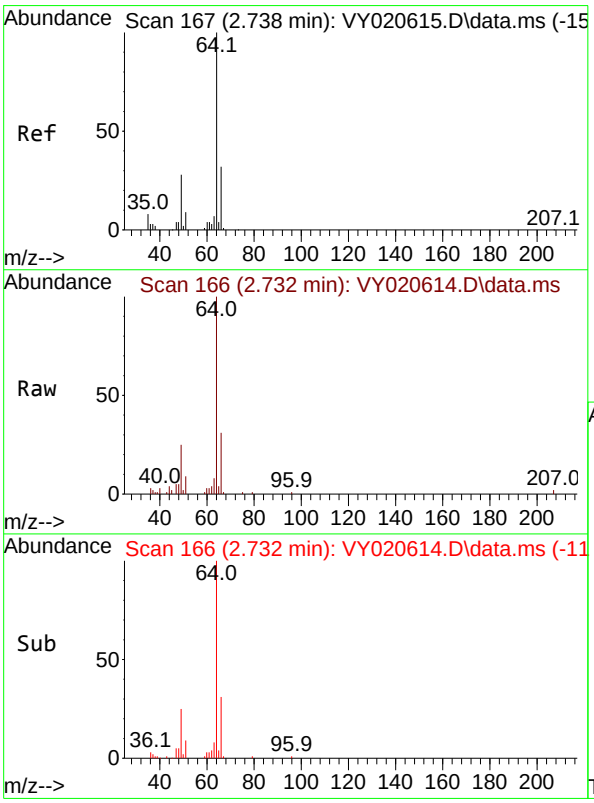
#5
Bromomethane
Concen: 20.142 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 19758

Ion	Ratio	Lower	Upper
94	100		
96	92.5	73.8	110.6

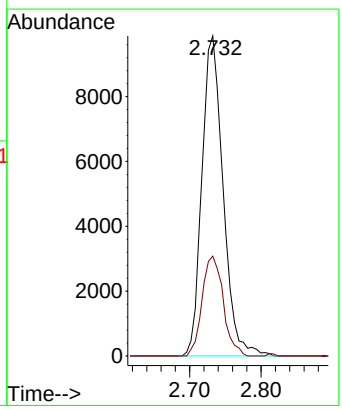


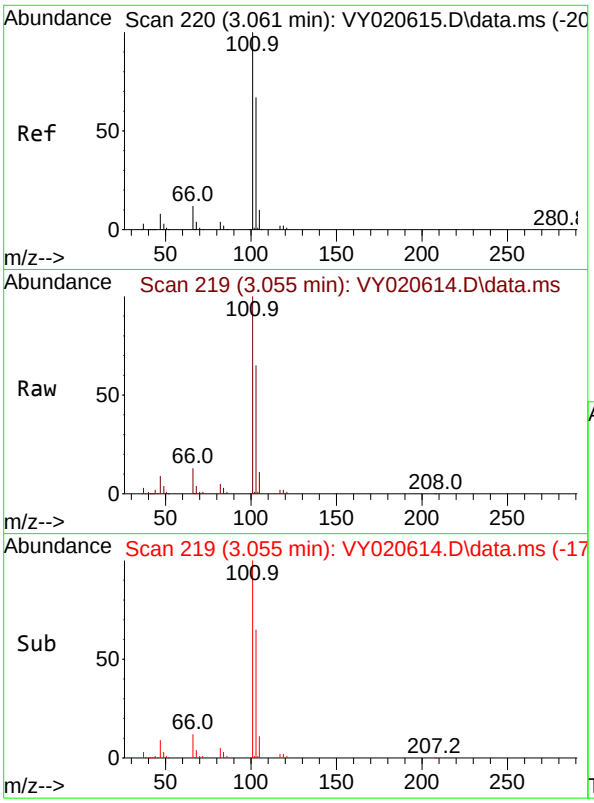


#6
Chloroethane
Concen: 21.539 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 64 Resp: 20312

Ion	Ratio	Lower	Upper
64	100		
66	31.2	25.8	38.6



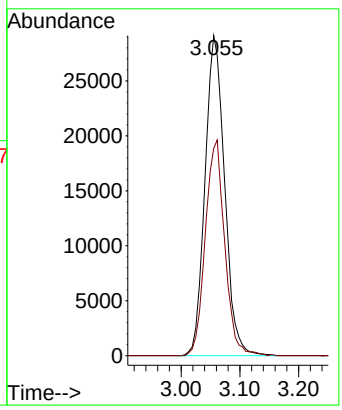


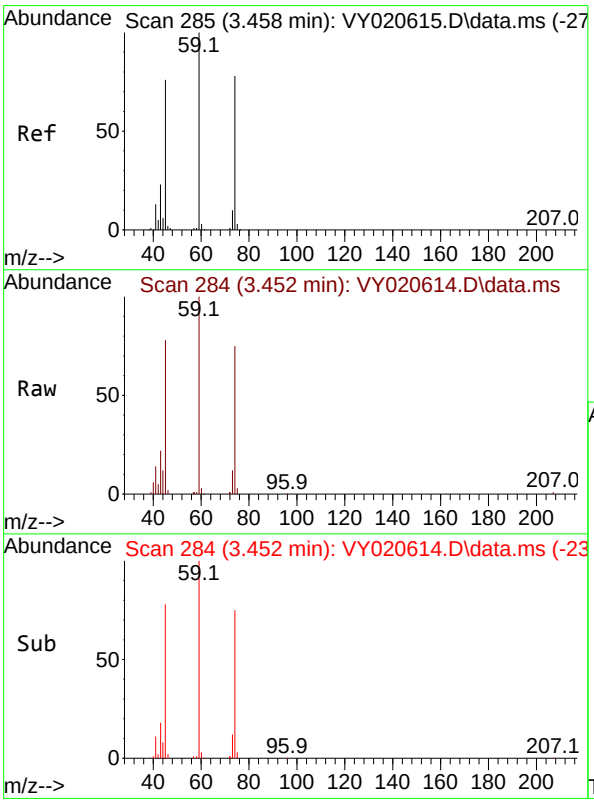
#7
Trichlorofluoromethane
Concen: 21.169 ug/l
RT: 3.055 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 67594

Ion	Ratio	Lower	Upper
101	100		
103	64.8	53.4	80.0

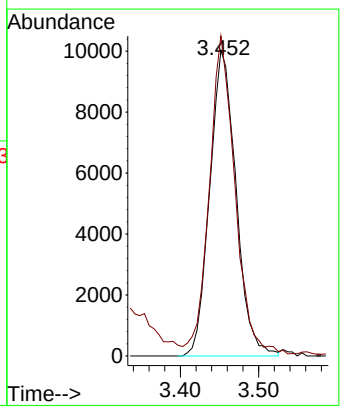


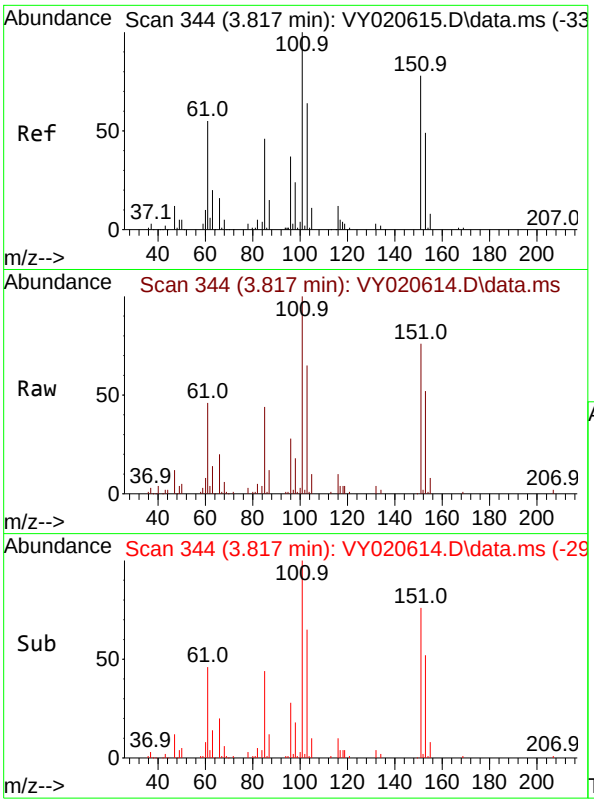


#8
Diethyl Ether
Concen: 20.878 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 74 Resp: 23380

Ion	Ratio	Lower	Upper
74	100		
45	101.5	49.0	147.2



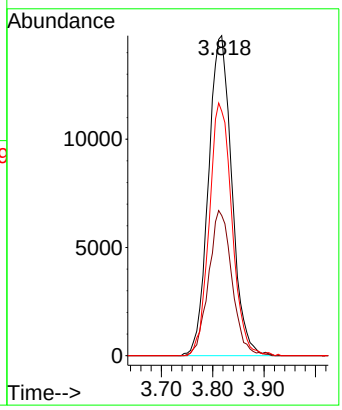


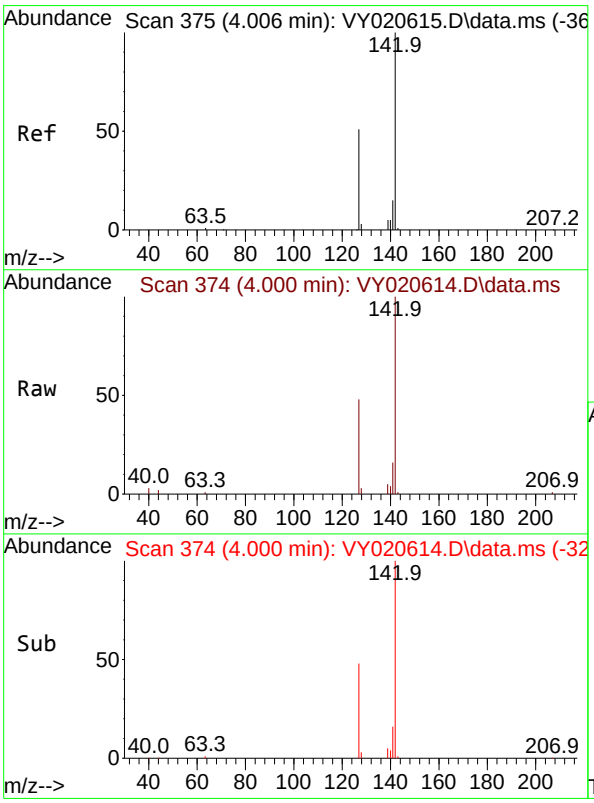
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.403 ug/l
RT: 3.817 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 46696

Ion	Ratio	Lower	Upper
101	100		
85	45.1	36.6	54.8
151	76.9	61.5	92.3

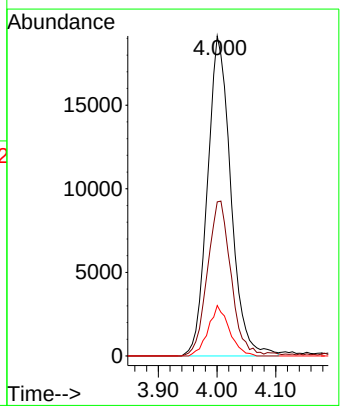


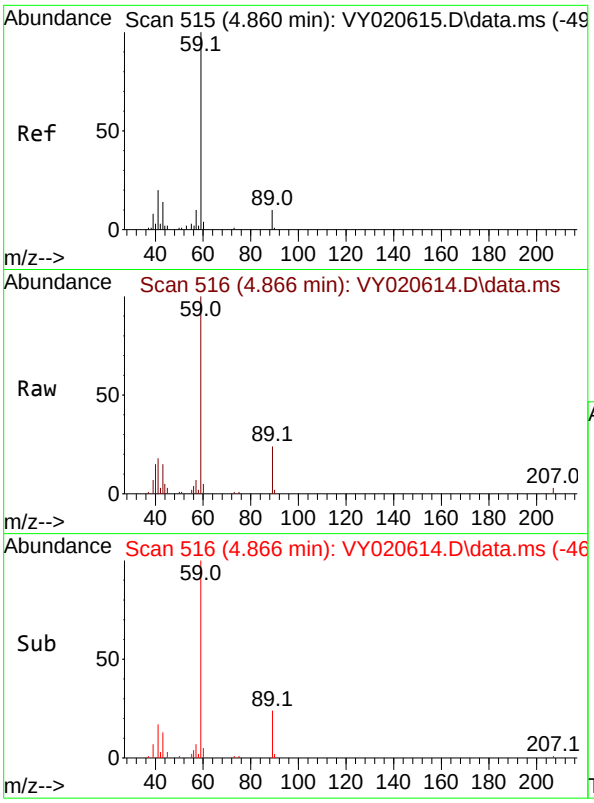


#10
Methyl Iodide
Concen: 20.758 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:142 Resp: 52895

Ion	Ratio	Lower	Upper
142	100		
127	48.7	40.6	61.0
141	14.2	11.7	17.5



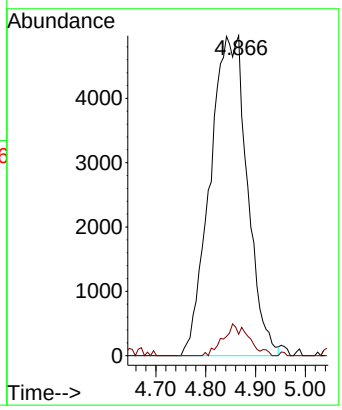


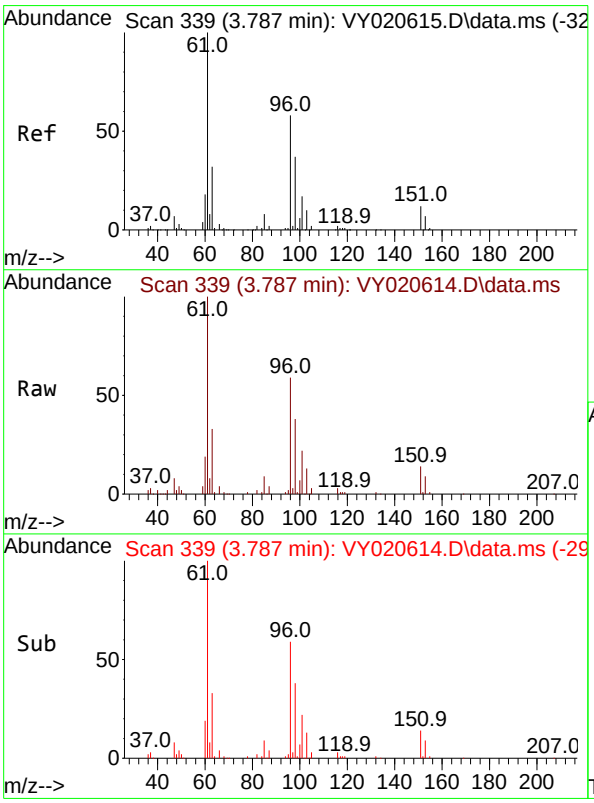
#11
Tert butyl alcohol
Concen: 106.274 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 25807

Ion	Ratio	Lower	Upper
59	100		
57	6.5	7.4	11.0#

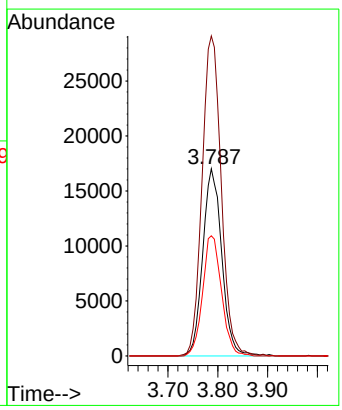


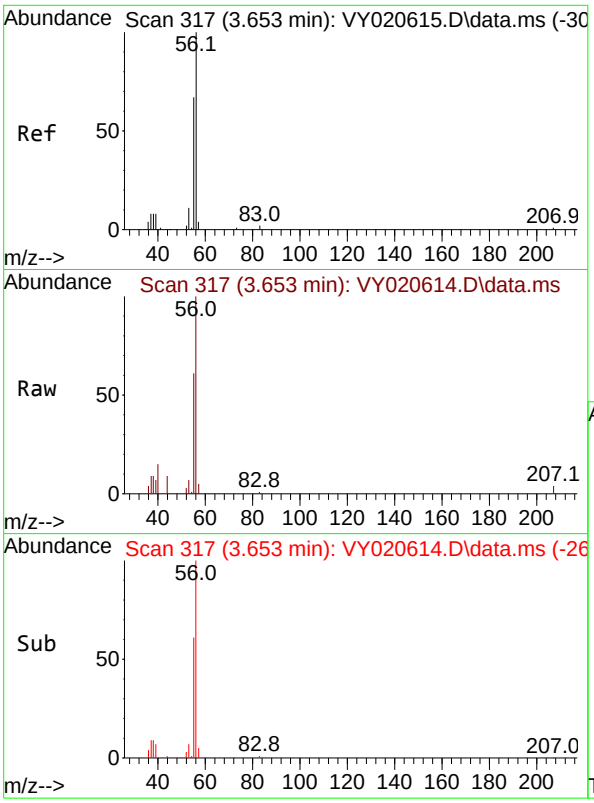


#12
1,1-Dichloroethene
Concen: 20.319 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 96 Resp: 45124

Ion	Ratio	Lower	Upper
96	100		
61	170.9	136.9	205.3
98	64.1	50.2	75.4



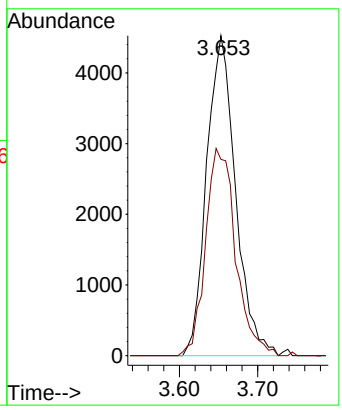


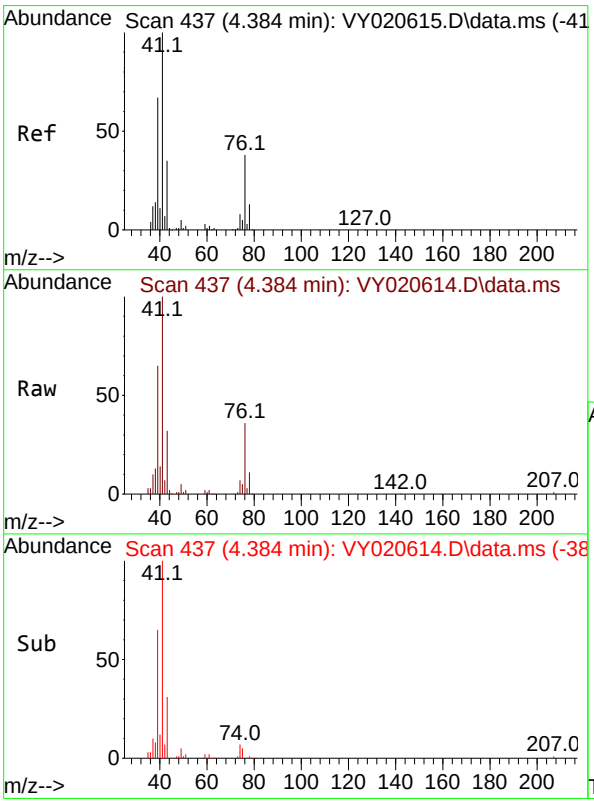
#13
Acrolein
Concen: 126.557 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 11611

Ion	Ratio	Lower	Upper
56	100		
55	67.2	57.5	86.3

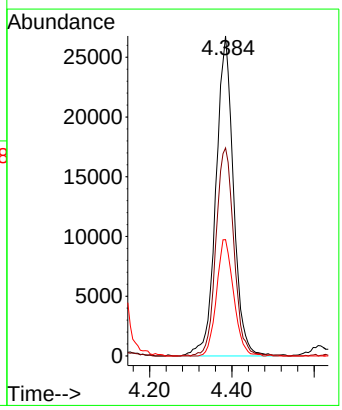


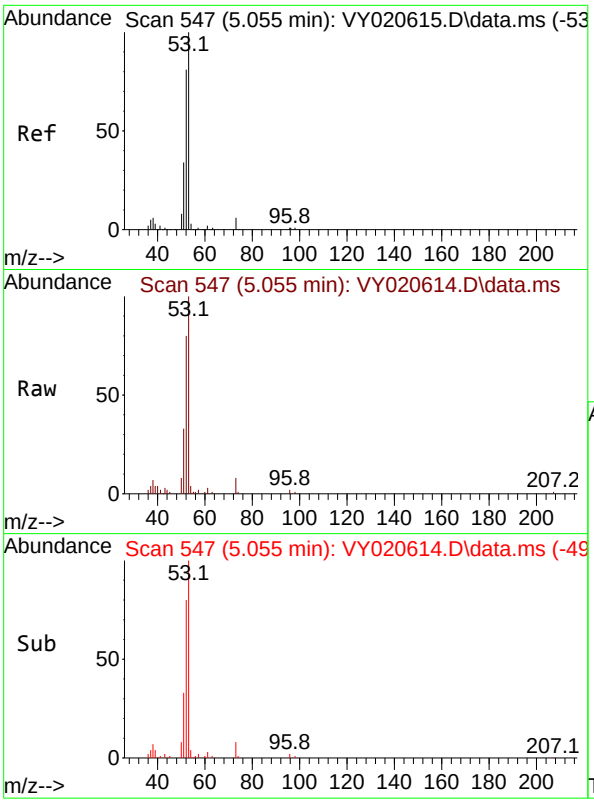


#14
Allyl chloride
Concen: 20.368 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 41 Resp: 79257

Ion	Ratio	Lower	Upper
41	100		
39	66.5	53.0	79.4
76	35.6	29.5	44.3



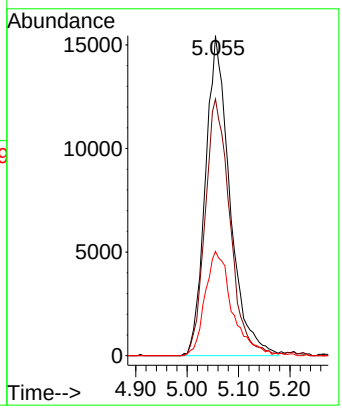


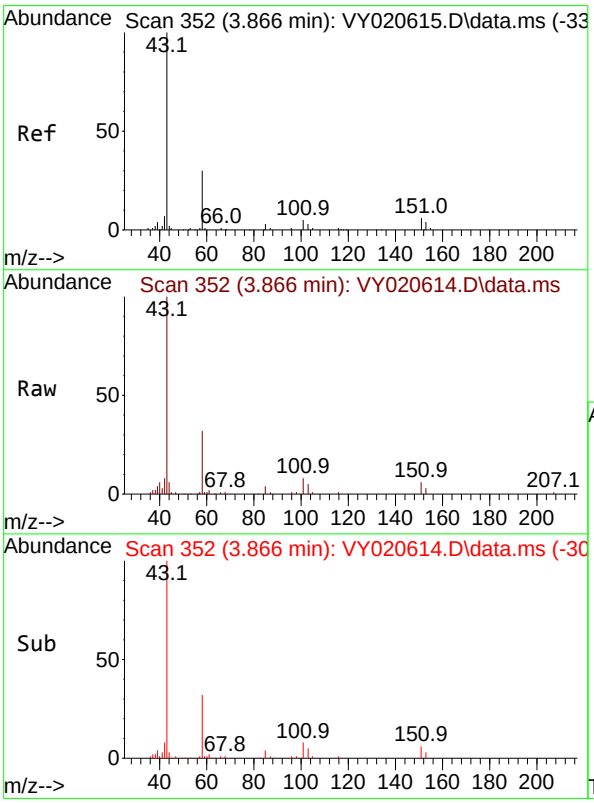
#15
Acrylonitrile
Concen: 95.416 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 51118

Ion	Ratio	Lower	Upper
53	100		
52	81.2	64.5	96.7
51	36.1	29.4	44.0

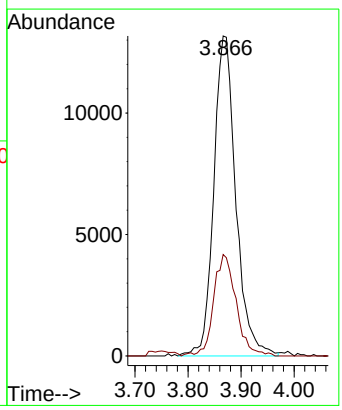


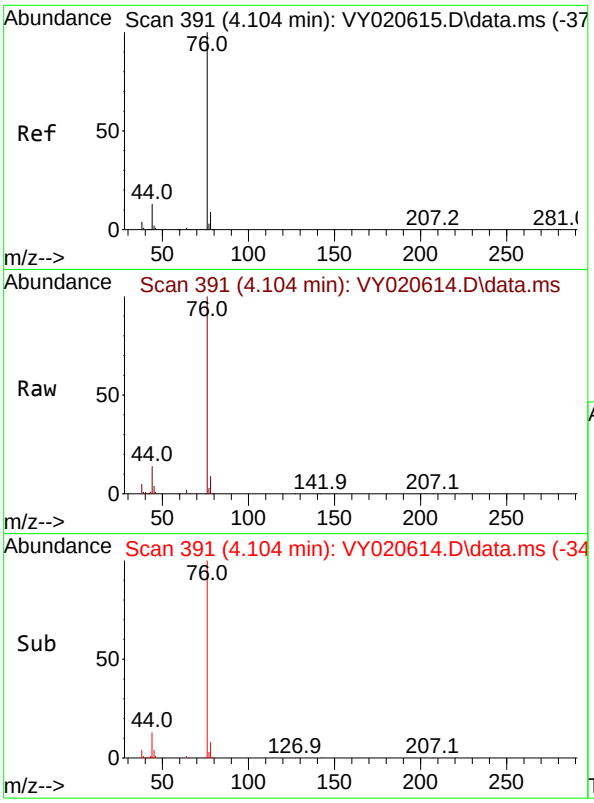


#16
Acetone
Concen: 94.781 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 43 Resp: 38075

Ion	Ratio	Lower	Upper
43	100		
58	31.7	25.0	37.6



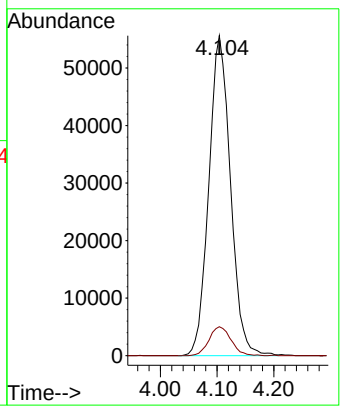


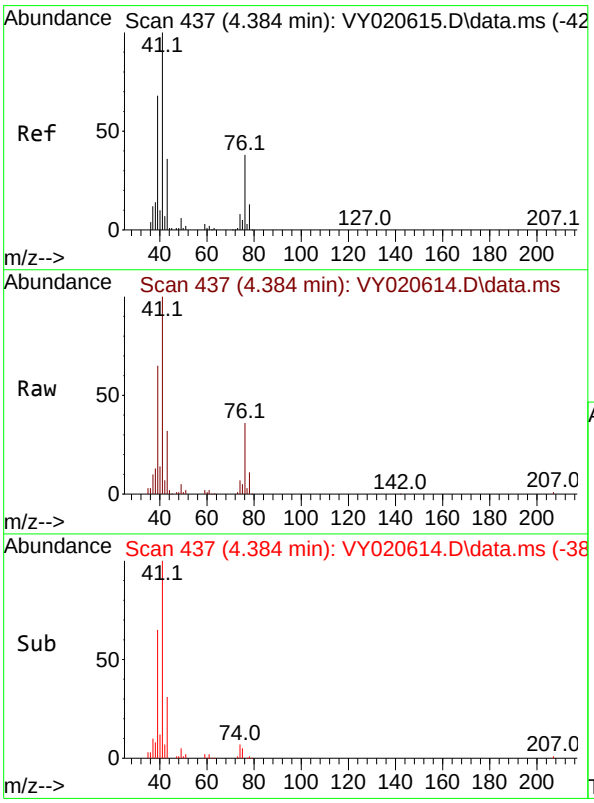
#17
Carbon Disulfide
Concen: 20.416 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 147576

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

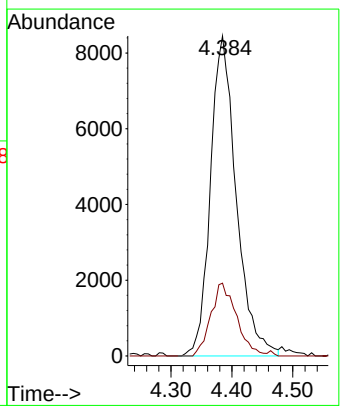


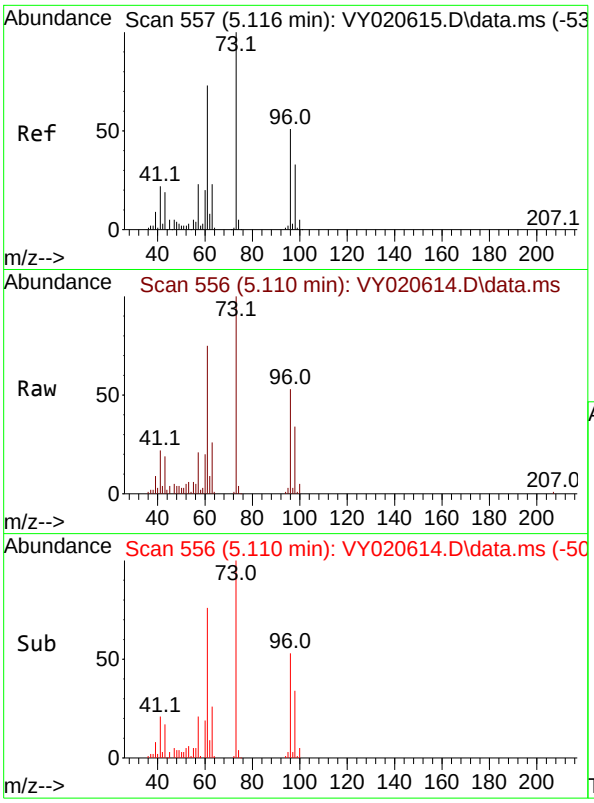


#18
Methyl Acetate
Concen: 18.851 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 43 Resp: 24886

Ion	Ratio	Lower	Upper
43	100		
74	22.7	19.2	28.8



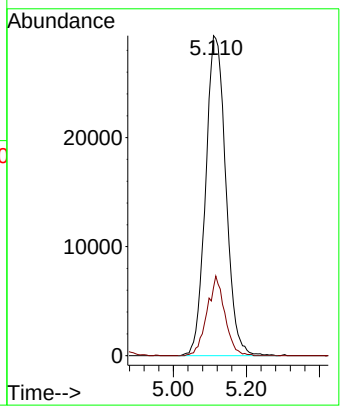


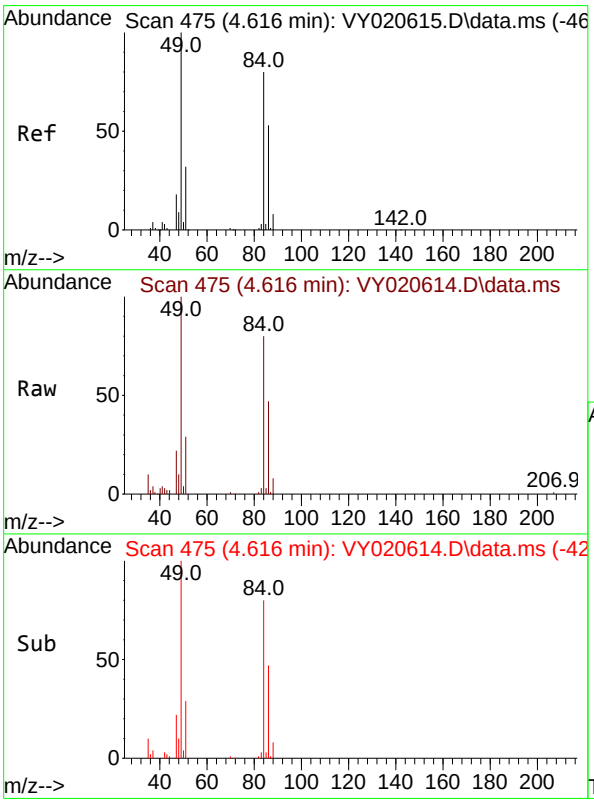
#19
Methyl tert-butyl Ether
Concen: 19.582 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 112241

Ion	Ratio	Lower	Upper
73	100		
57	21.4	18.5	27.7

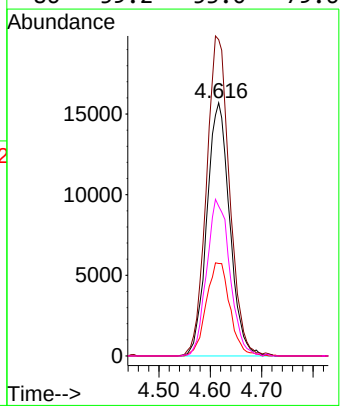


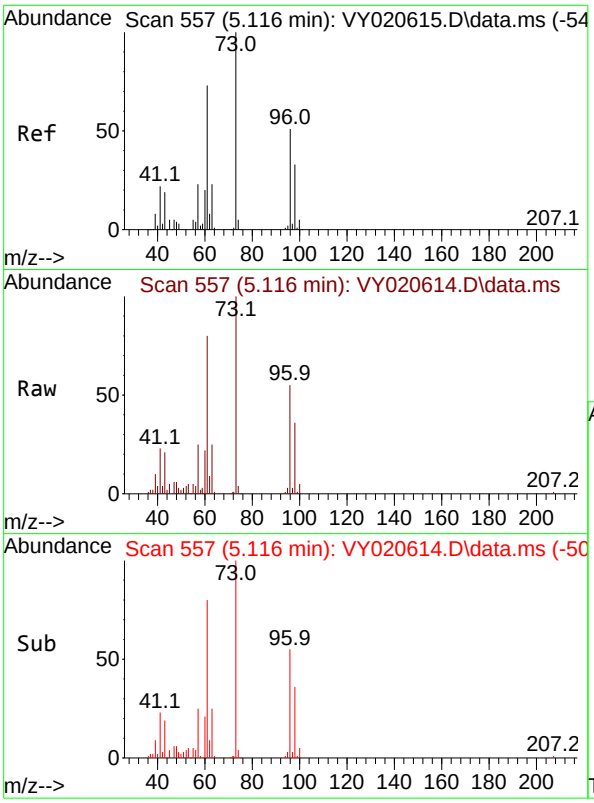


#20
Methylene Chloride
Concen: 20.076 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 84 Resp: 48431

Ion	Ratio	Lower	Upper
84	100		
49	125.0	100.7	151.1
51	36.5	32.2	48.2
86	59.2	53.0	79.6



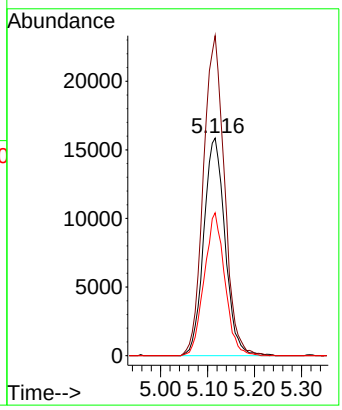


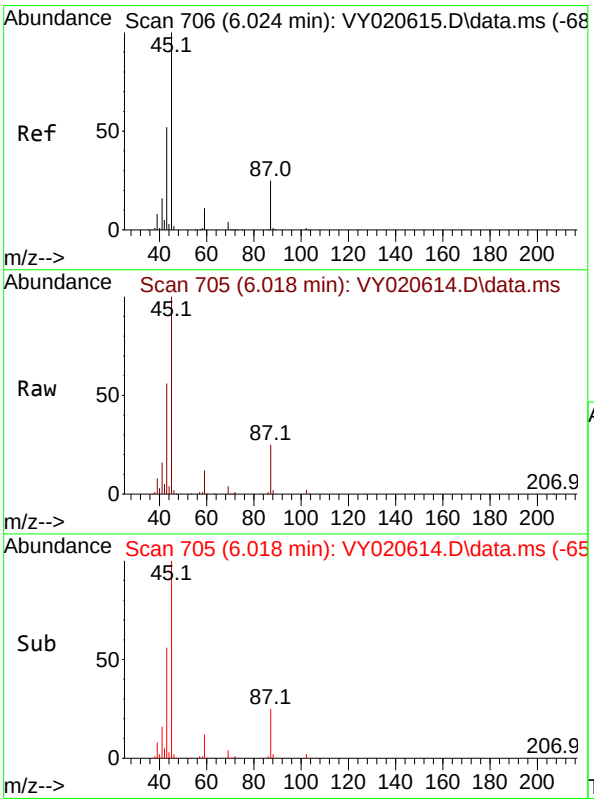
#21
trans-1,2-Dichloroethene
Concen: 19.997 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 49814

Ion	Ratio	Lower	Upper
96	100		
61	147.0	113.7	170.5
98	65.6	51.7	77.5

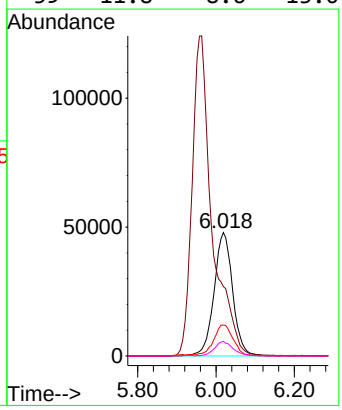


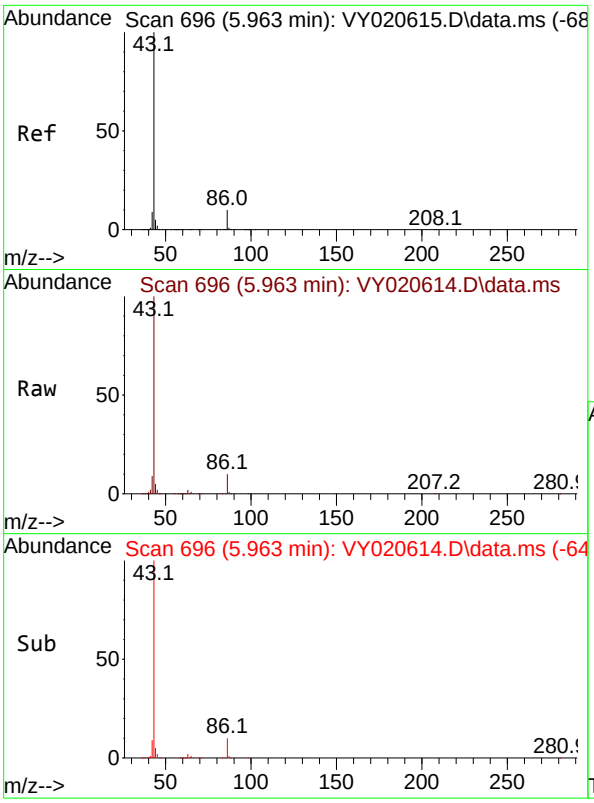


#22
Diisopropyl ether
Concen: 20.055 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 45 Resp: 158410

Ion	Ratio	Lower	Upper
45	100		
43	55.9	42.6	64.0
87	25.1	20.6	31.0
59	11.8	8.6	13.0



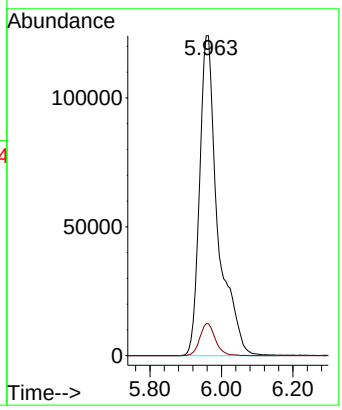


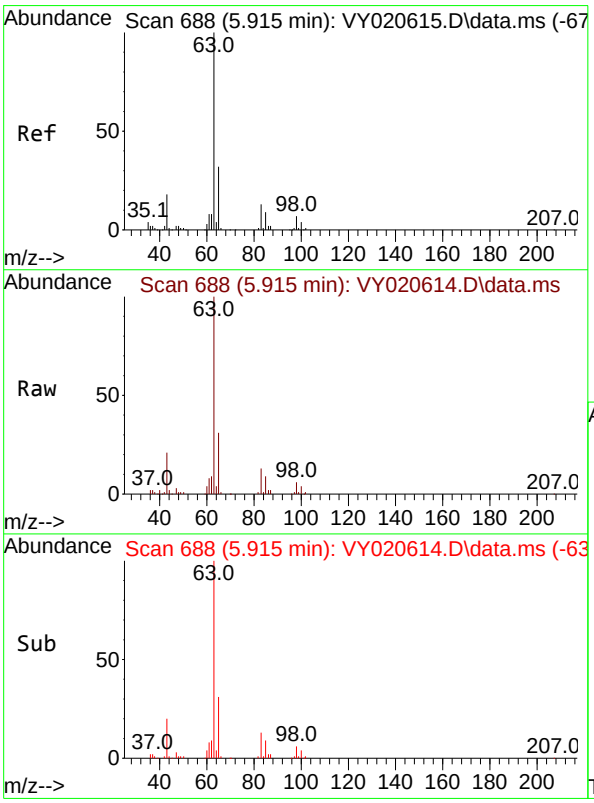
#23
Vinyl Acetate
Concen: 98.587 ug/l
RT: 5.963 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 441039

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

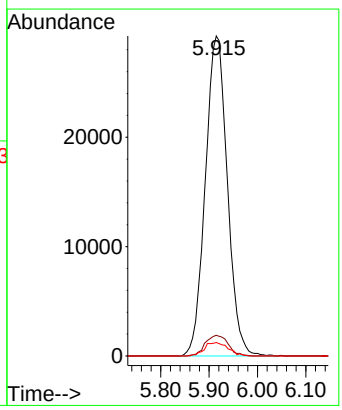


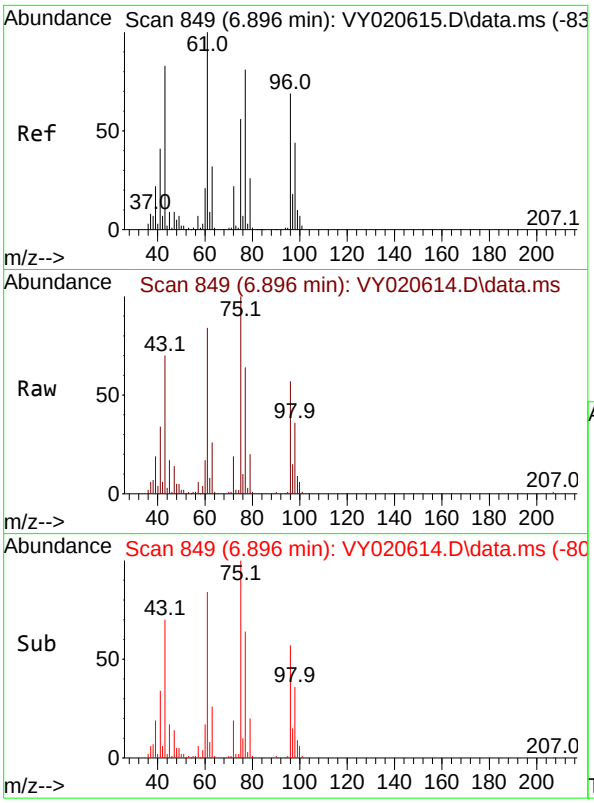


#24
1,1-Dichloroethane
Concen: 20.011 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 63 Resp: 92599

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.1
100	4.2	2.1	6.5



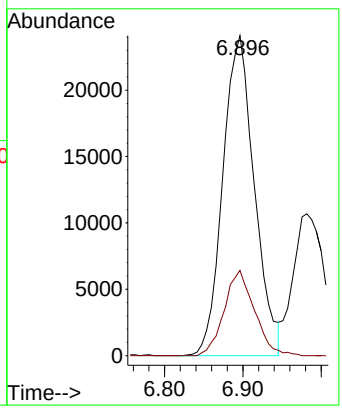


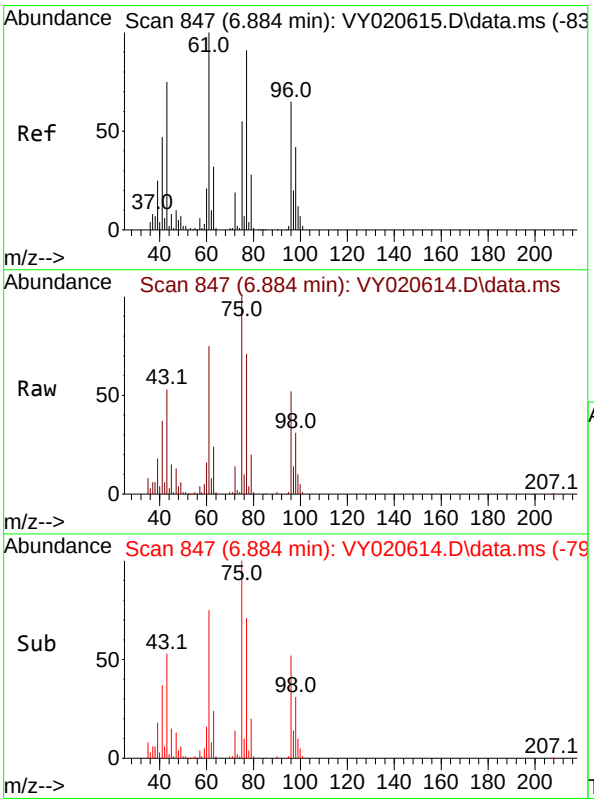
#25
2-Butanone
Concen: 93.608 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 67498

Ion	Ratio	Lower	Upper
43	100		
72	26.7	20.6	31.0

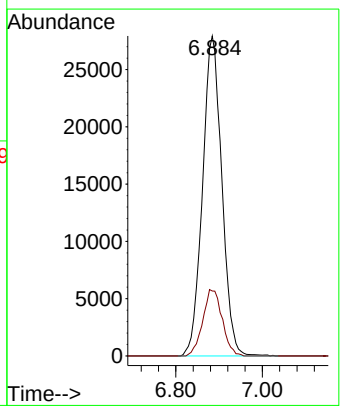


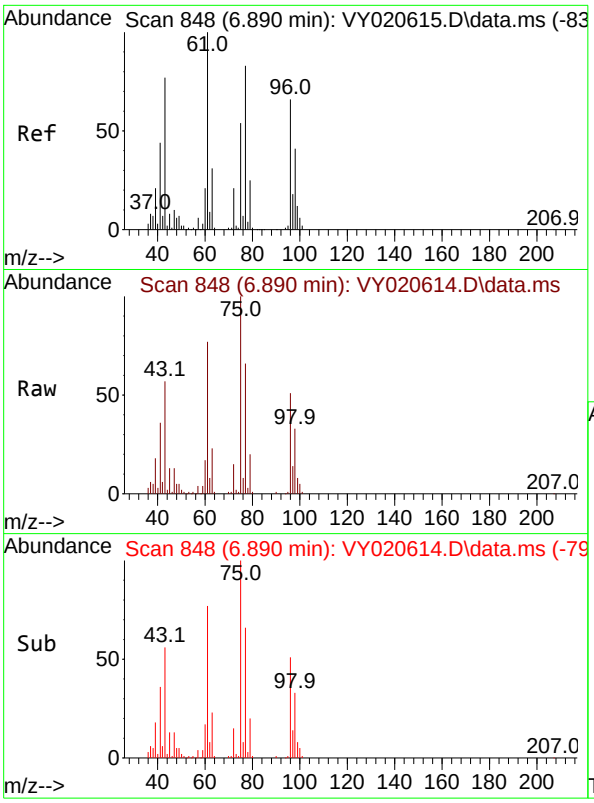


#26
2,2-Dichloropropane
Concen: 19.750 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 77 Resp: 86393

Ion	Ratio	Lower	Upper
77	100		
97	20.9	10.9	32.6



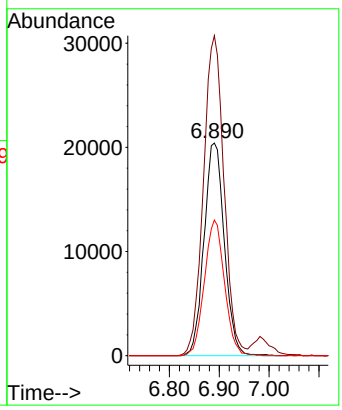


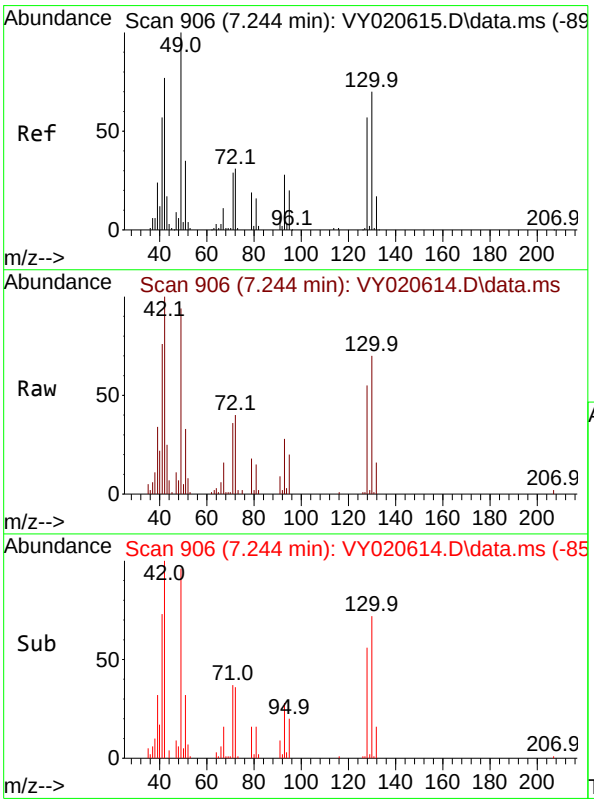
#27
cis-1,2-Dichloroethene
Concen: 20.149 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 57749

Ion	Ratio	Lower	Upper
96	100		
61	152.3	0.0	306.2
98	63.2	0.0	127.2

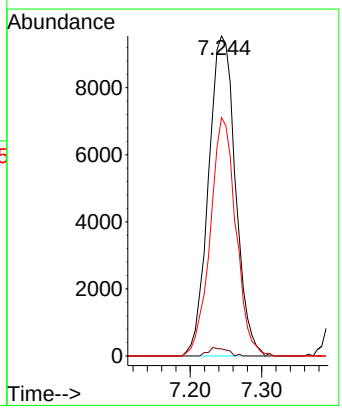


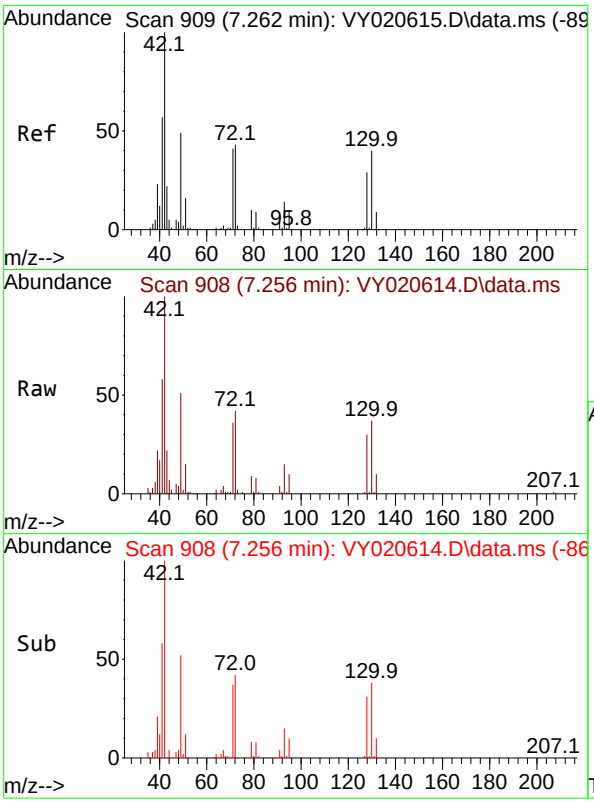


#28
Bromochloromethane
Concen: 16.009 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 49 Resp: 24987

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	70.9	58.3	87.5



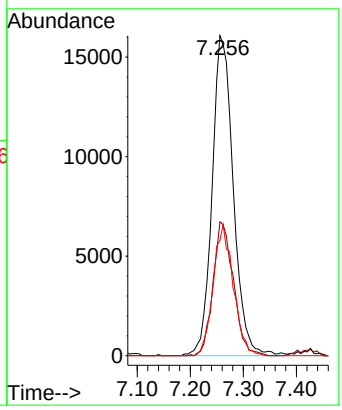


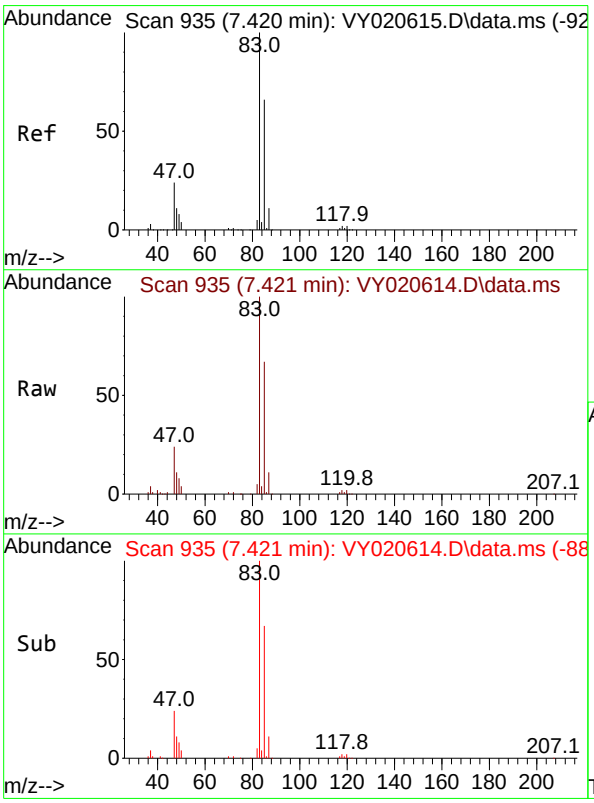
#29
Tetrahydrofuran
Concen: 98.059 ug/l
RT: 7.256 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 44636

Ion	Ratio	Lower	Upper
42	100		
72	40.3	34.0	51.0
71	38.9	31.6	47.4

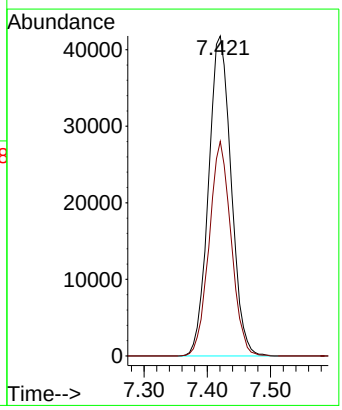


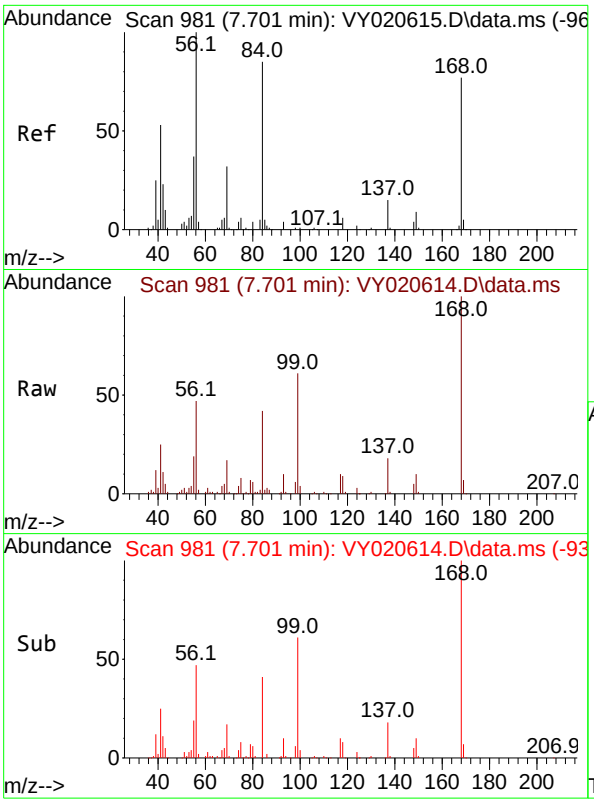


#30
Chloroform
Concen: 19.065 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.001 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 83 Resp: 103806

Ion	Ratio	Lower	Upper
83	100		
85	67.1	52.7	79.1



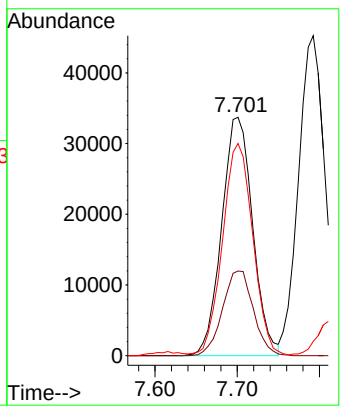


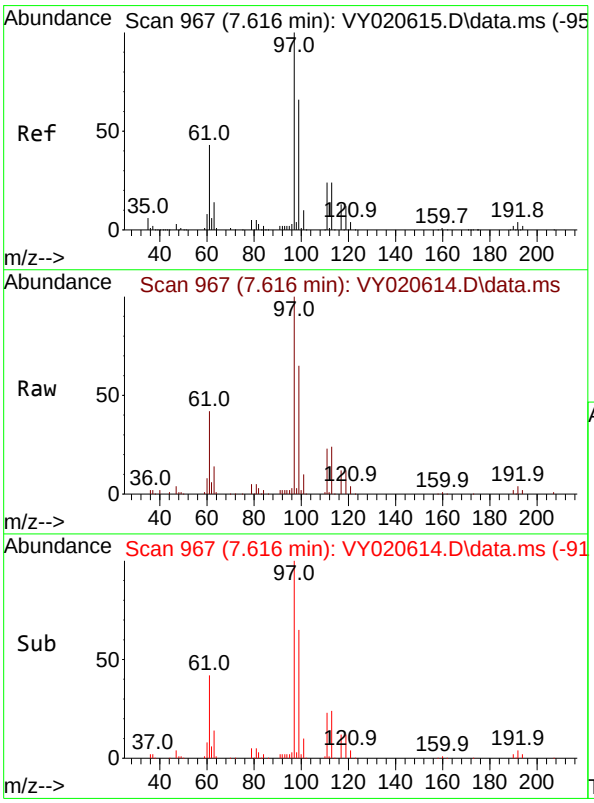
#31
Cyclohexane
Concen: 19.966 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 88339

Ion	Ratio	Lower	Upper
56	100		
69	35.5	25.4	38.0
84	87.8	68.3	102.5

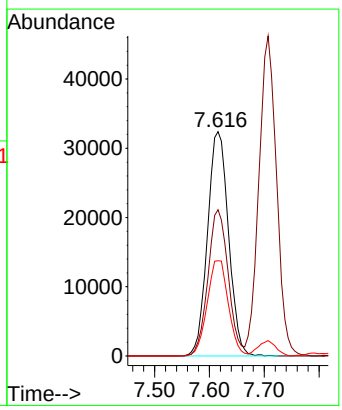


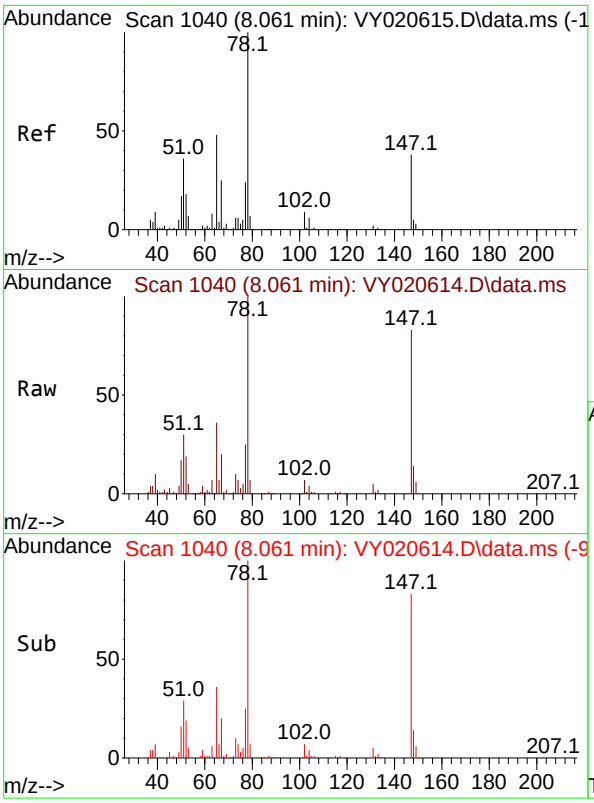


#32
1,1,1-Trichloroethane
Concen: 20.249 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 97 Resp: 86081

Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.6	77.4
61	43.0	34.7	52.1



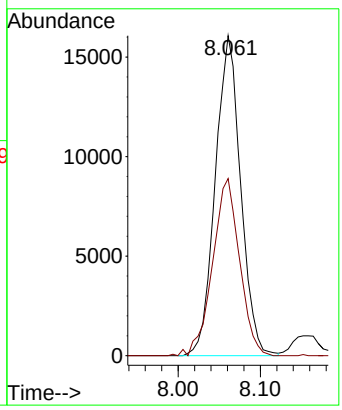


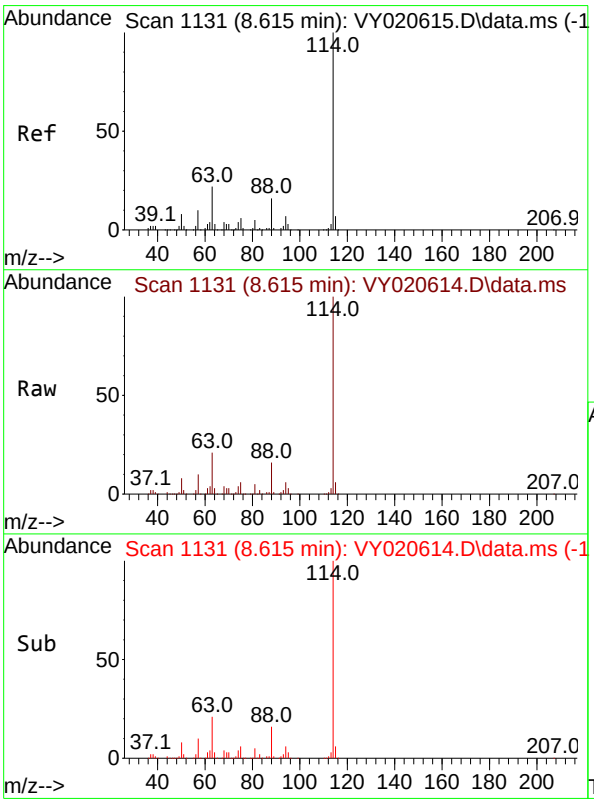
#33
1,2-Dichloroethane-d4
Concen: 17.777 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 34492

Ion	Ratio	Lower	Upper
65	100		
67	58.8	0.0	108.0

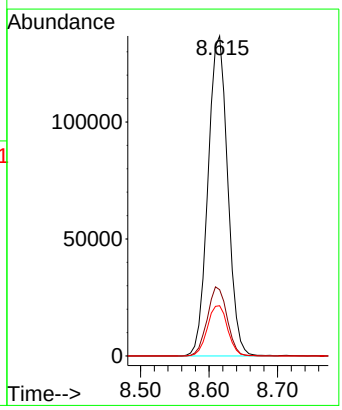


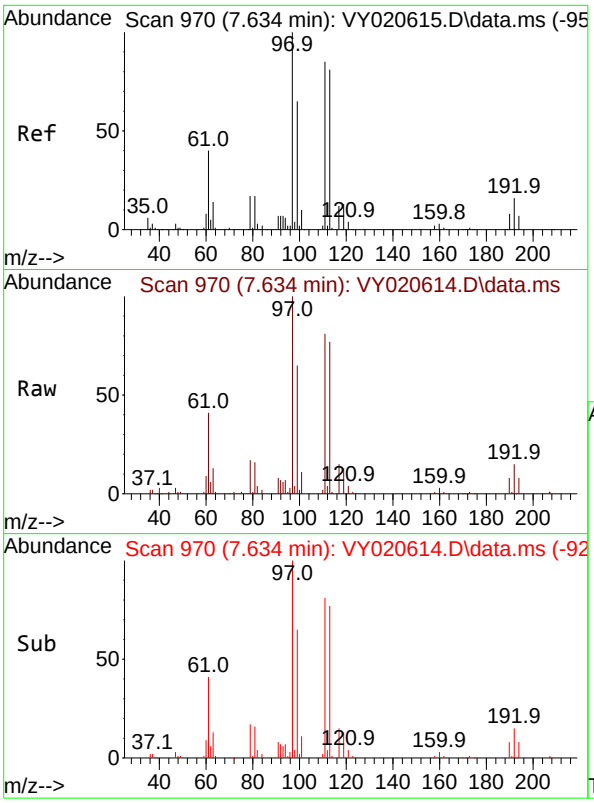


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:114 Resp: 272612

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	44.0
88	15.7	0.0	32.8



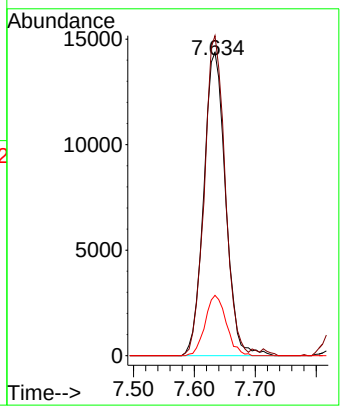


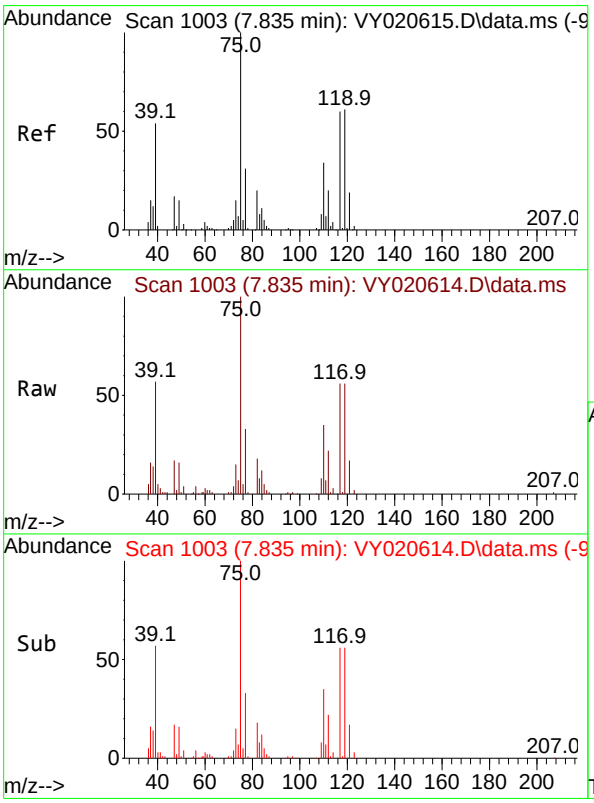
#35
Dibromofluoromethane
Concen: 18.603 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 35742

Ion	Ratio	Lower	Upper
113	100		
111	100.5	82.9	124.3
192	19.3	15.7	23.5

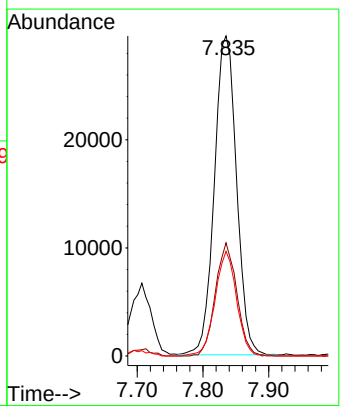


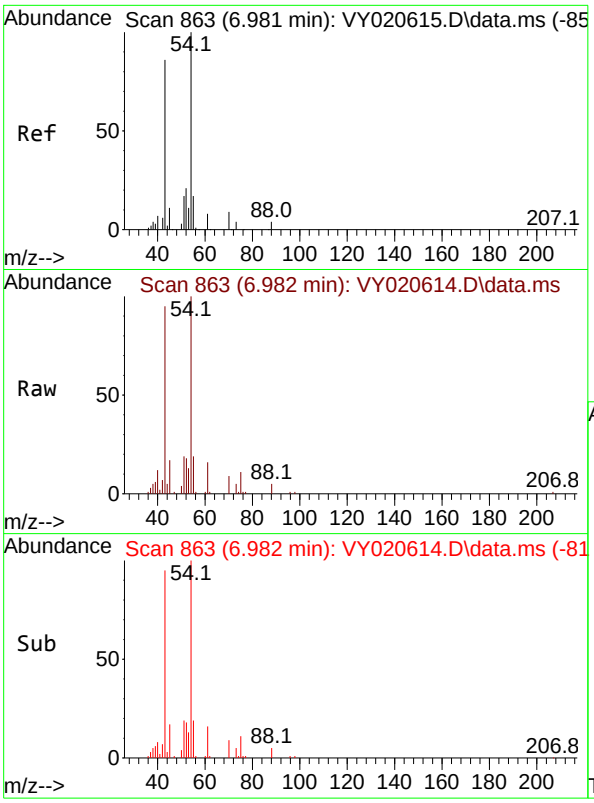


#36
1,1-Dichloropropene
Concen: 19.828 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 75 Resp: 69466

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.8	50.4
77	31.8	25.0	37.6



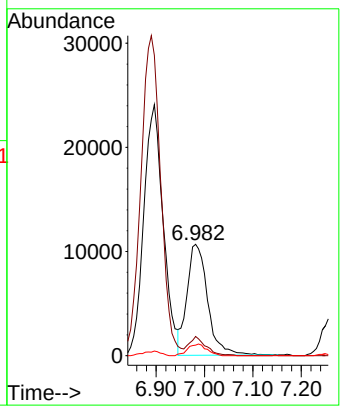


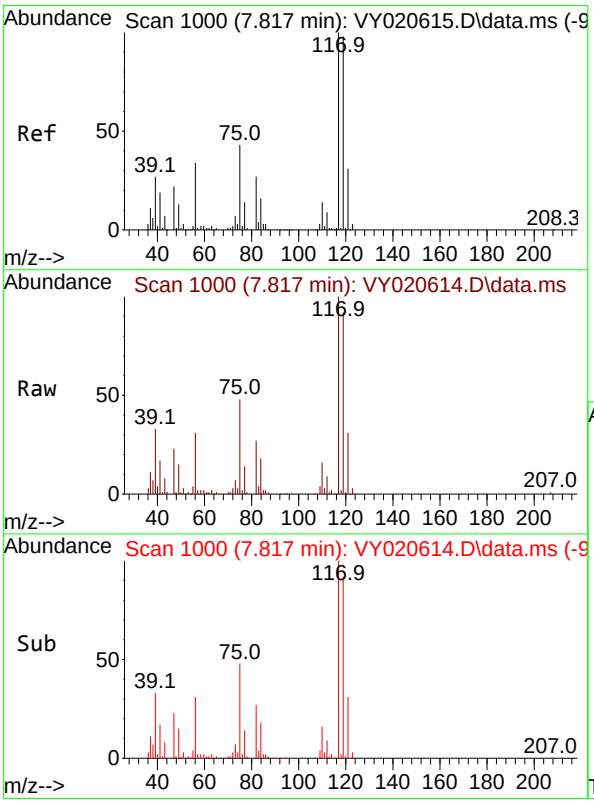
#37
Ethyl Acetate
Concen: 19.166 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 31585

Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.0	16.4
70	9.6	7.9	11.9

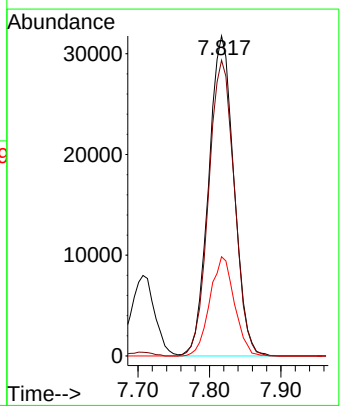


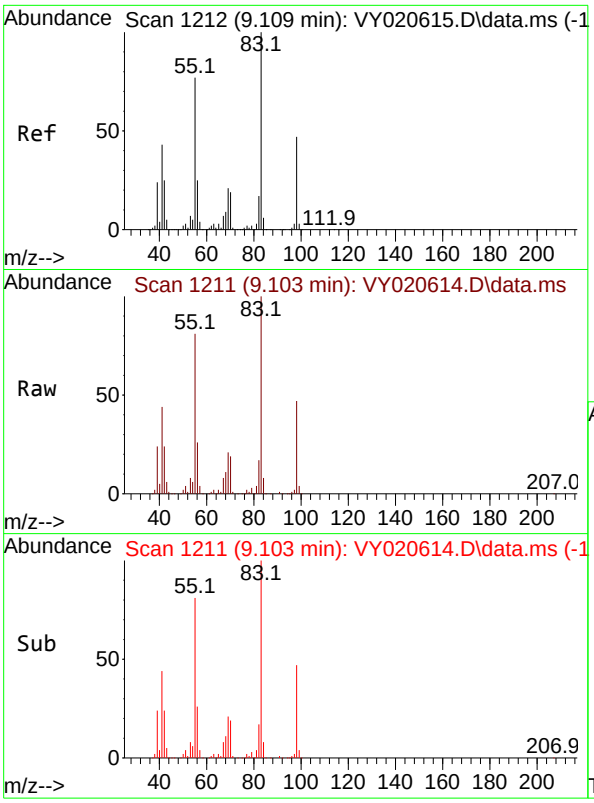


#38
Carbon Tetrachloride
Concen: 20.109 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:117 Resp: 77945

Ion	Ratio	Lower	Upper
117	100		
119	92.4	78.3	117.5
121	31.0	25.1	37.7



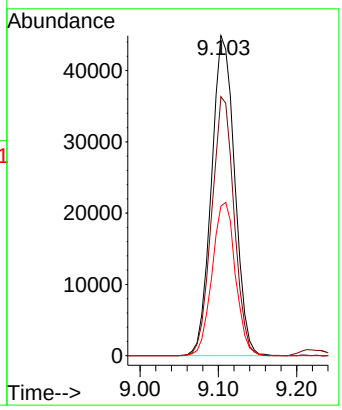


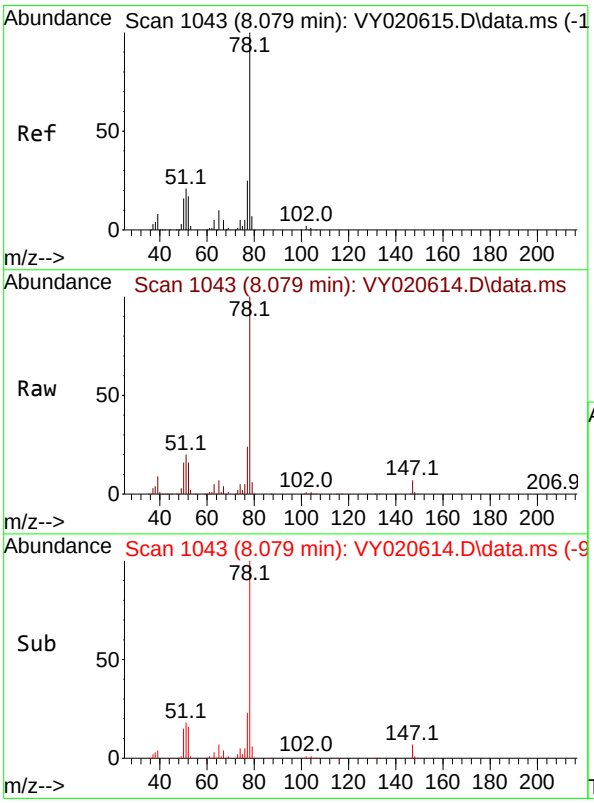
#39
Methylcyclohexane
Concen: 20.249 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 92458

Ion	Ratio	Lower	Upper
83	100		
55	81.0	61.4	92.0
98	46.8	37.3	55.9

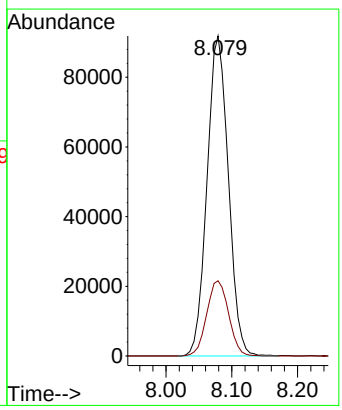


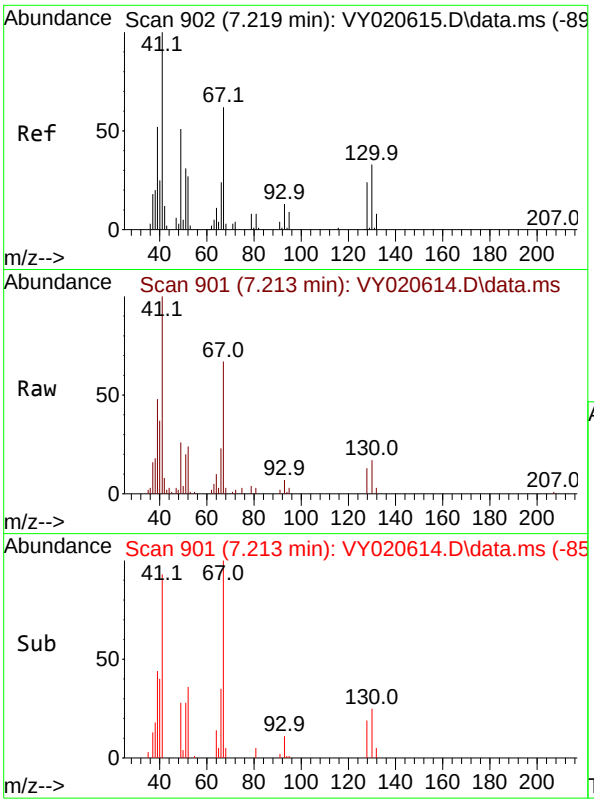


#40
Benzene
Concen: 20.176 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 78 Resp: 207185

Ion	Ratio	Lower	Upper
78	100		
77	23.5	20.1	30.1



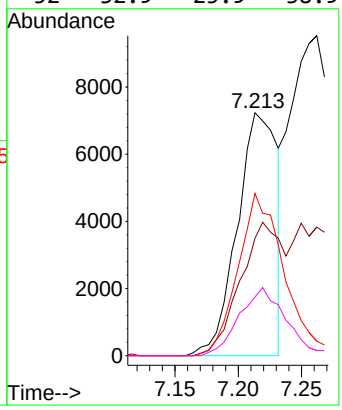


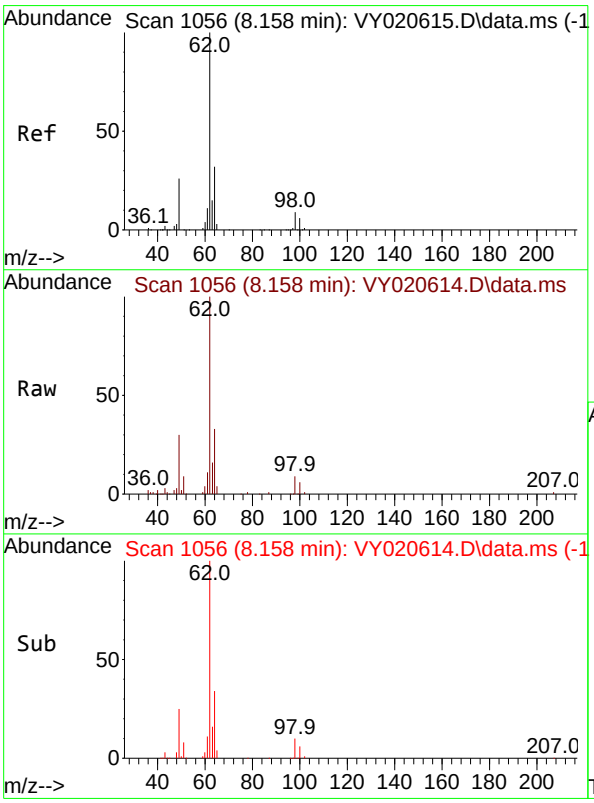
#41
Methacrylonitrile
Concen: 18.232 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 15884

Ion	Ratio	Lower	Upper
41	100		
39	59.0	53.6	80.4
67	77.5	62.0	93.0
52	32.9	25.9	38.9

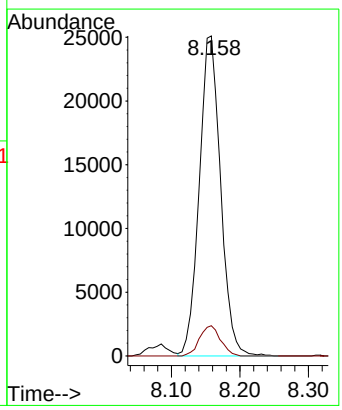


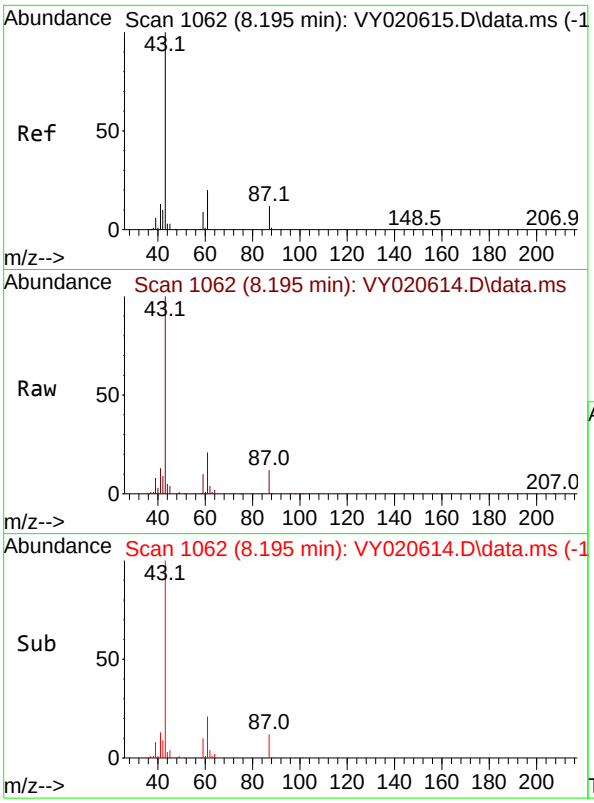


#42
1,2-Dichloroethane
Concen: 19.983 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 62 Resp: 54425

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.0



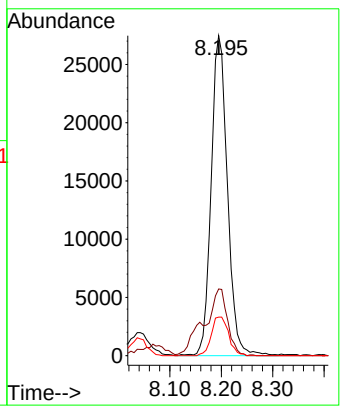


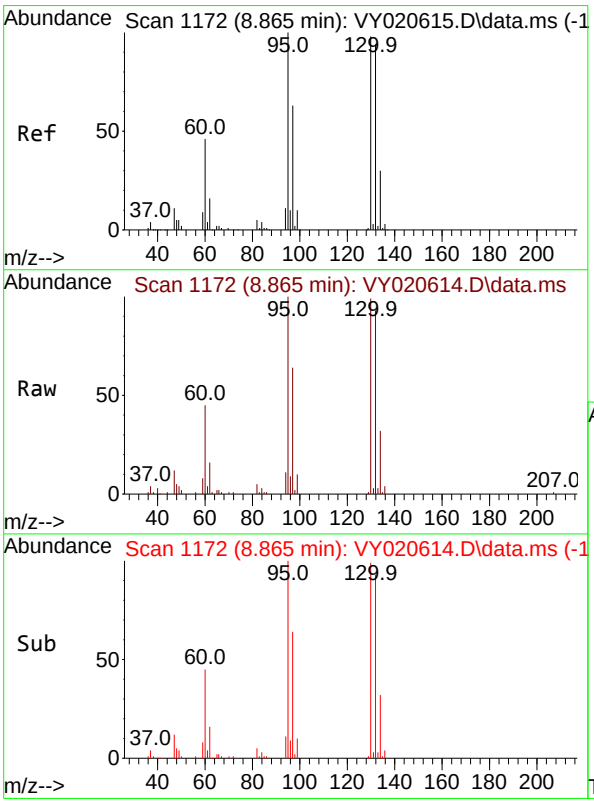
#43
Isopropyl Acetate
Concen: 19.375 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 60446

Ion	Ratio	Lower	Upper
43	100		
61	20.4	23.8	35.6#
87	12.8	10.2	15.4

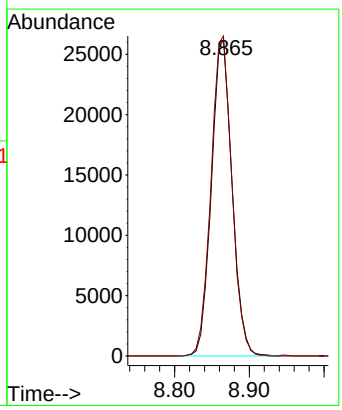


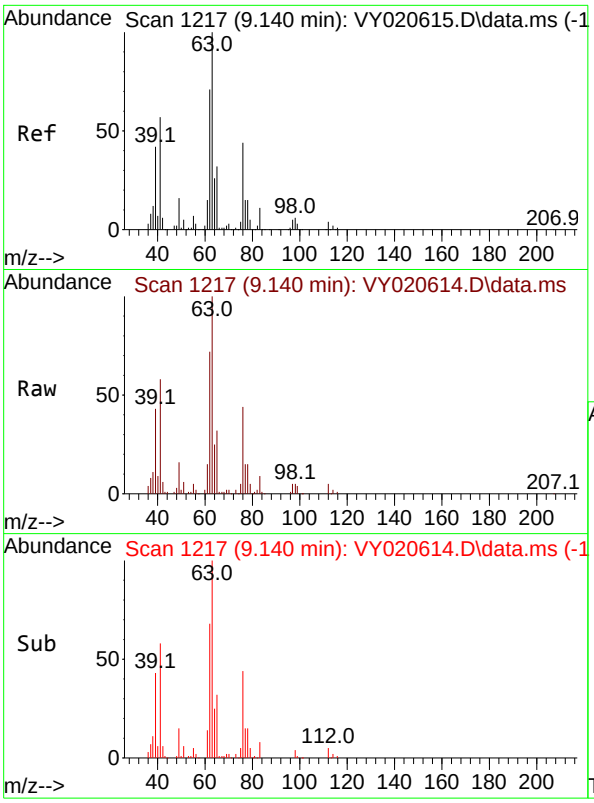


#44
Trichloroethene
Concen: 19.952 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:130 Resp: 50346

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	203.2



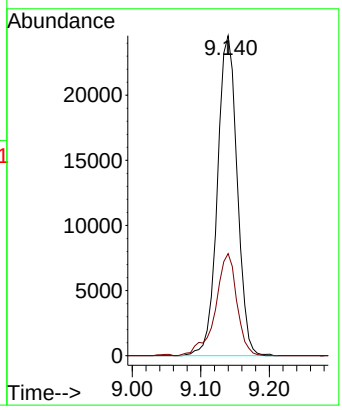


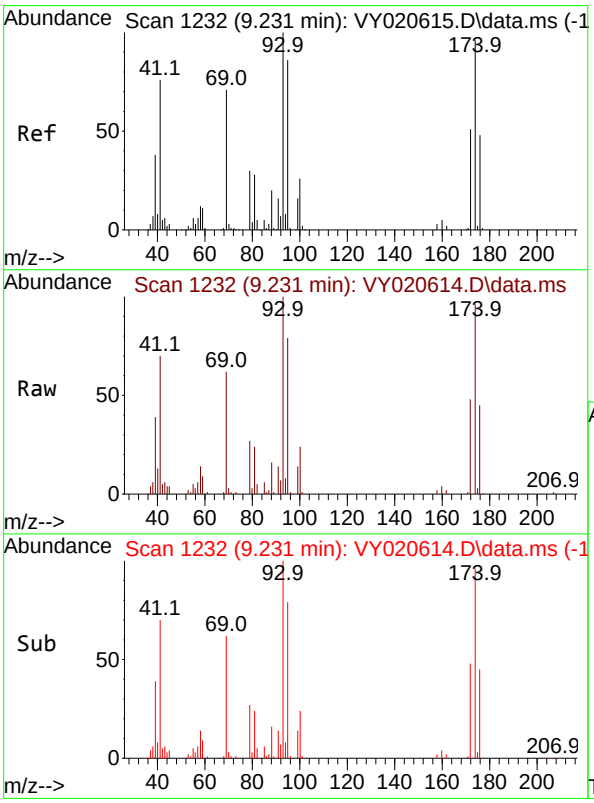
#45
1,2-Dichloropropane
Concen: 20.466 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 49119

Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.9	38.9

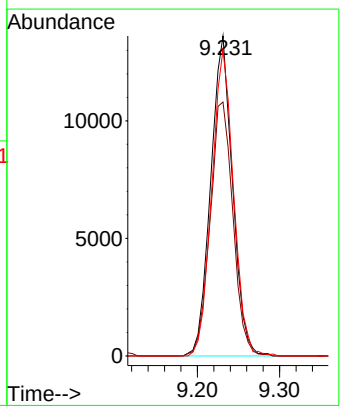


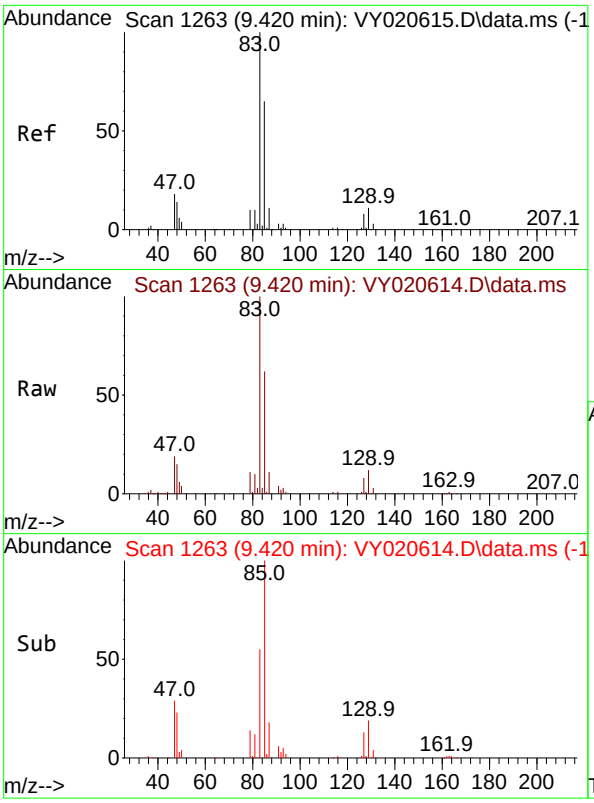


#46
Dibromomethane
Concen: 19.753 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 93 Resp: 25054

Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.7	100.1
174	95.6	77.8	116.6



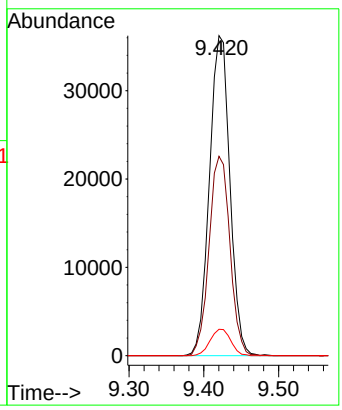


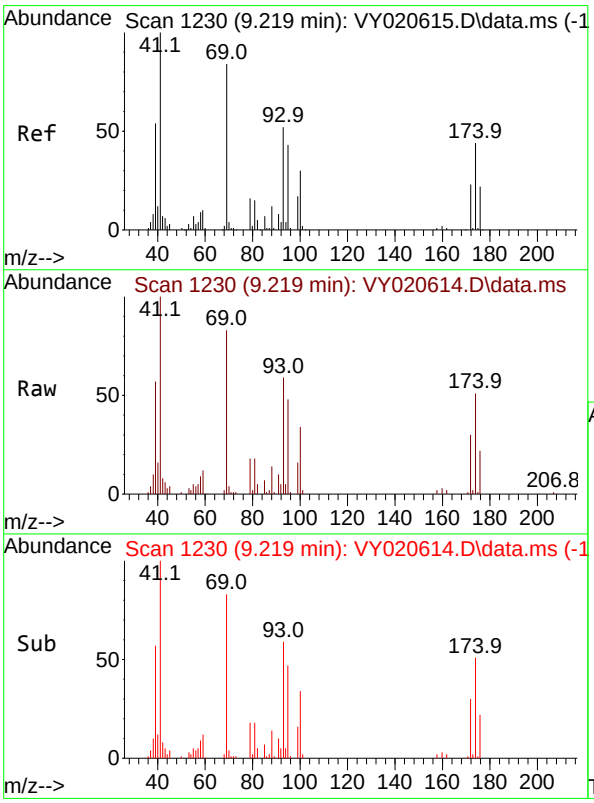
#47
Bromodichloromethane
Concen: 20.125 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 68951

Ion	Ratio	Lower	Upper
83	100		
85	62.3	52.1	78.1
127	8.3	6.7	10.1

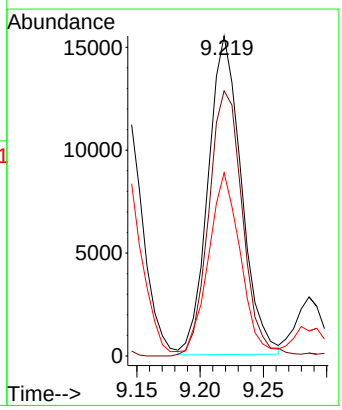


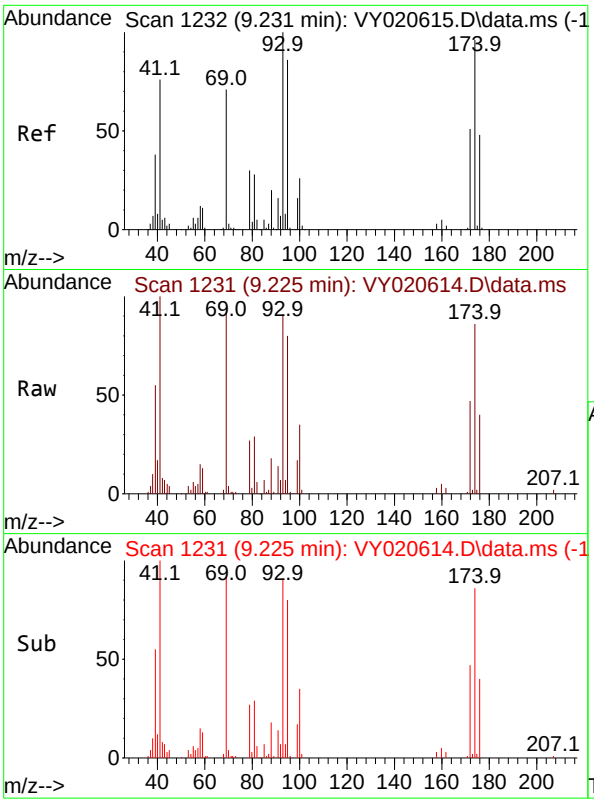


#48
Methyl methacrylate
Concen: 19.051 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 41 Resp: 28256

Ion	Ratio	Lower	Upper
41	100		
69	84.4	67.2	100.8
39	53.2	42.2	63.4



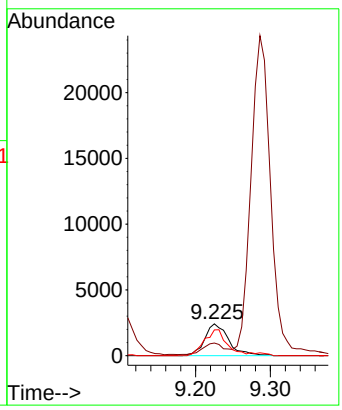


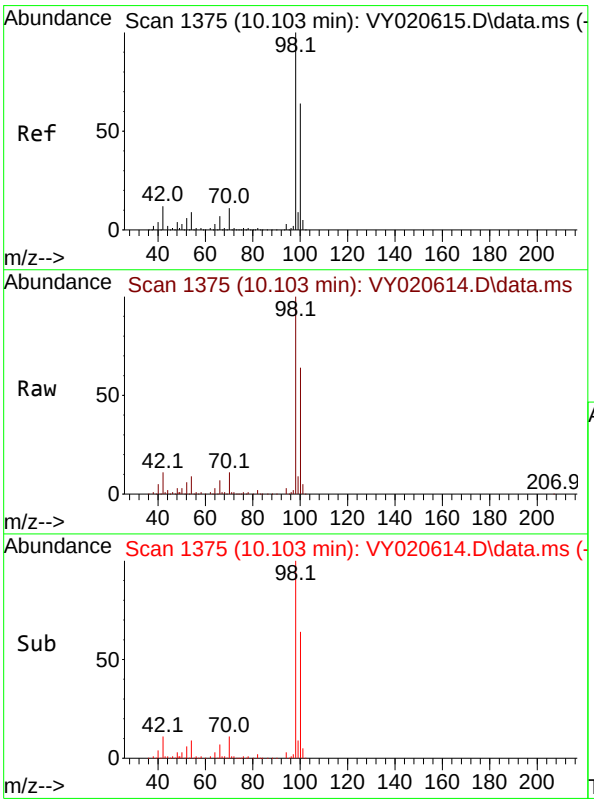
#49
1,4-Dioxane
Concen: 371.167 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 5399

Ion	Ratio	Lower	Upper
88	100		
43	34.4	27.6	41.4
58	81.6	61.7	92.5

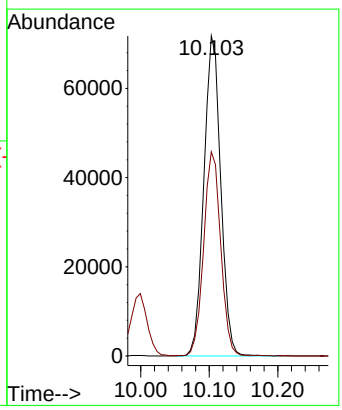


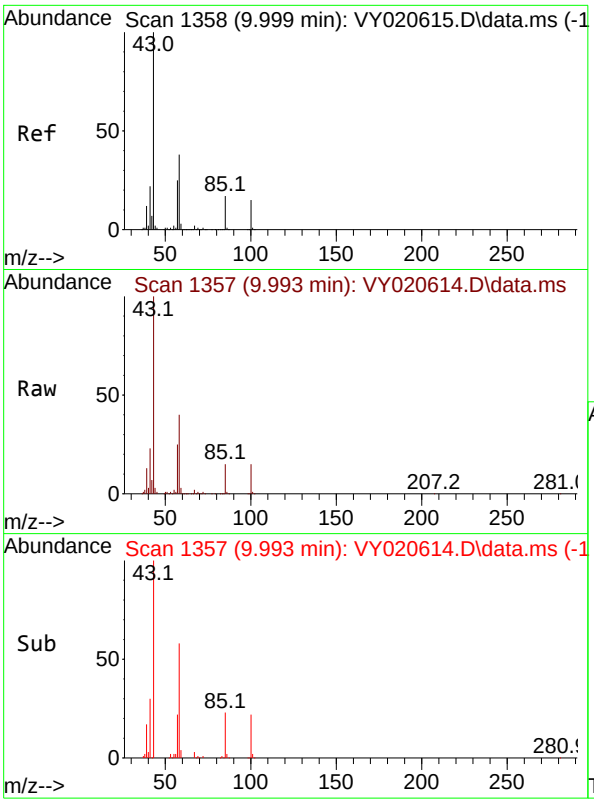


#50
Toluene-d8
Concen: 18.267 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 98 Resp: 122846

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.1	78.1



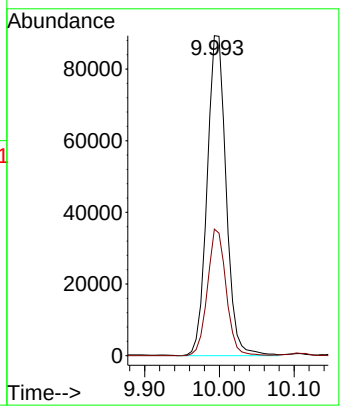


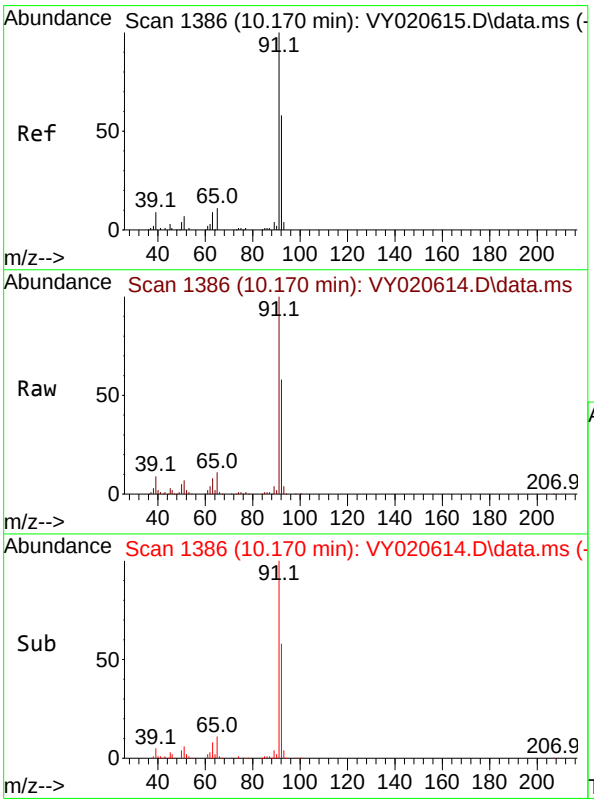
#51
4-Methyl-2-Pentanone
Concen: 95.918 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 157955

Ion	Ratio	Lower	Upper
43	100		
58	38.8	31.4	47.2

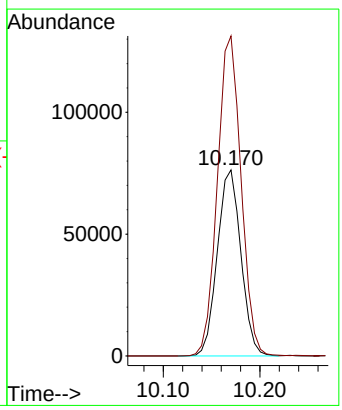


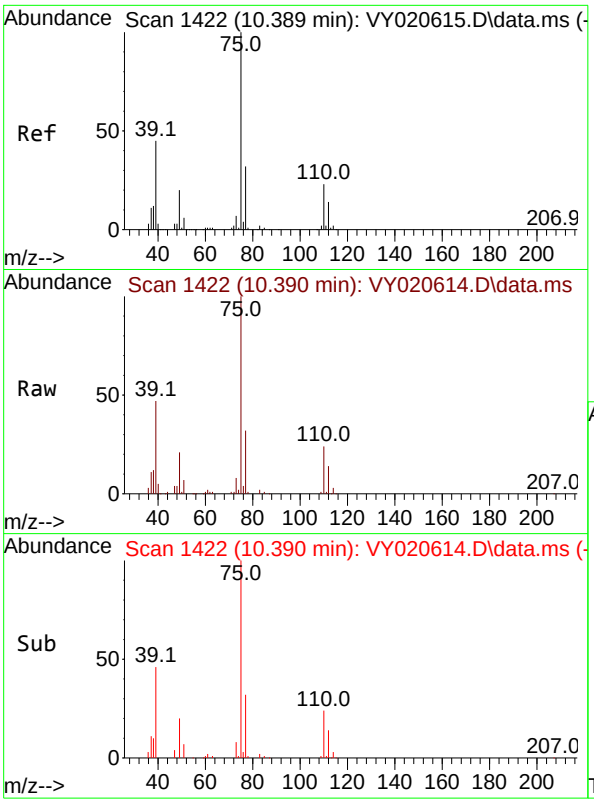


#52
Toluene
Concen: 20.245 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 92 Resp: 129196

Ion	Ratio	Lower	Upper
92	100		
91	172.6	137.4	206.0



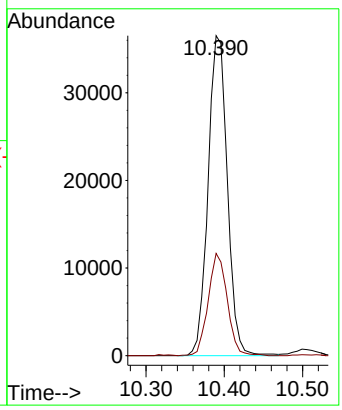


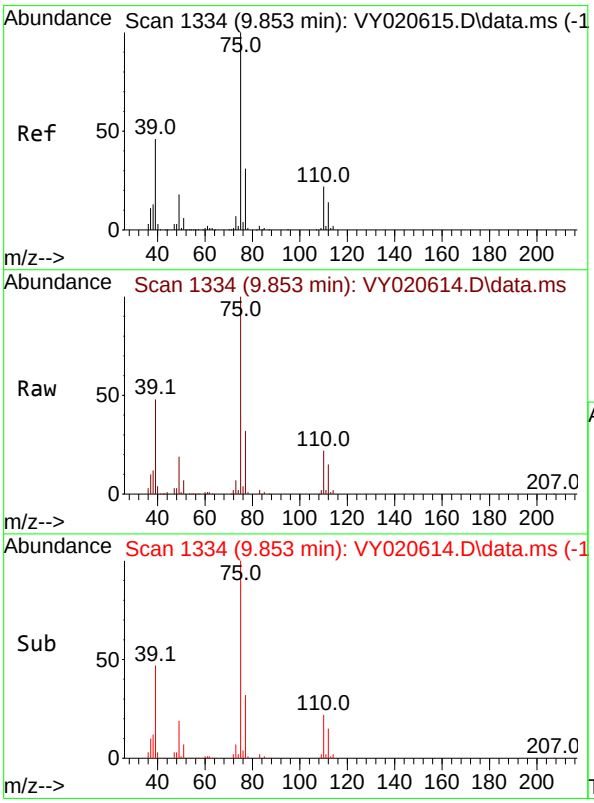
#53
t-1,3-Dichloropropene
Concen: 19.543 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 62391

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.2

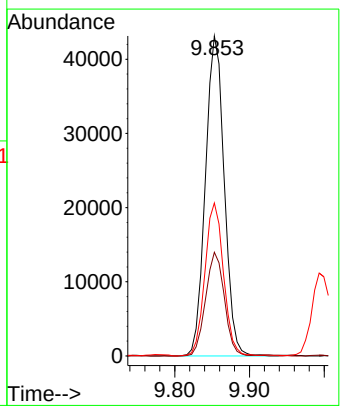


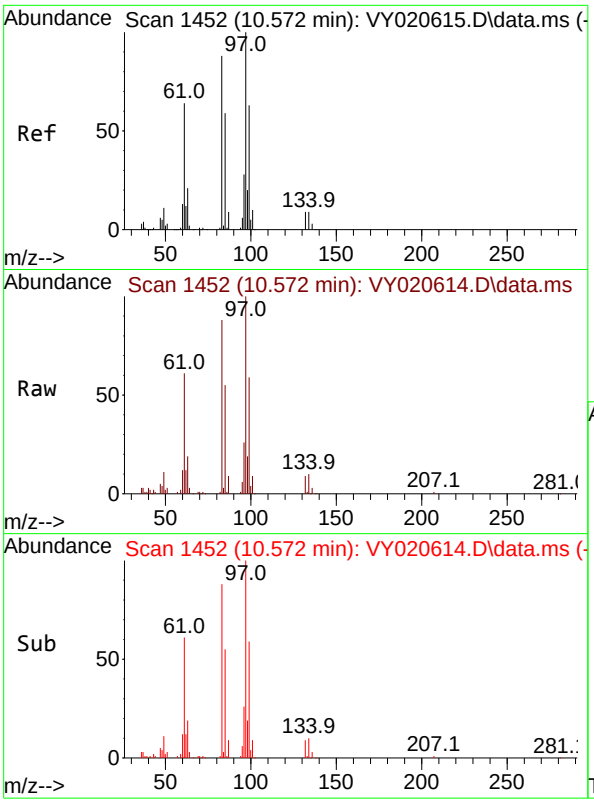


#54
cis-1,3-Dichloropropene
Concen: 19.996 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 75 Resp: 75647

Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.6	36.8
39	47.8	36.4	54.6



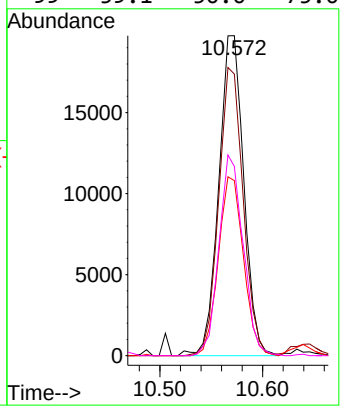


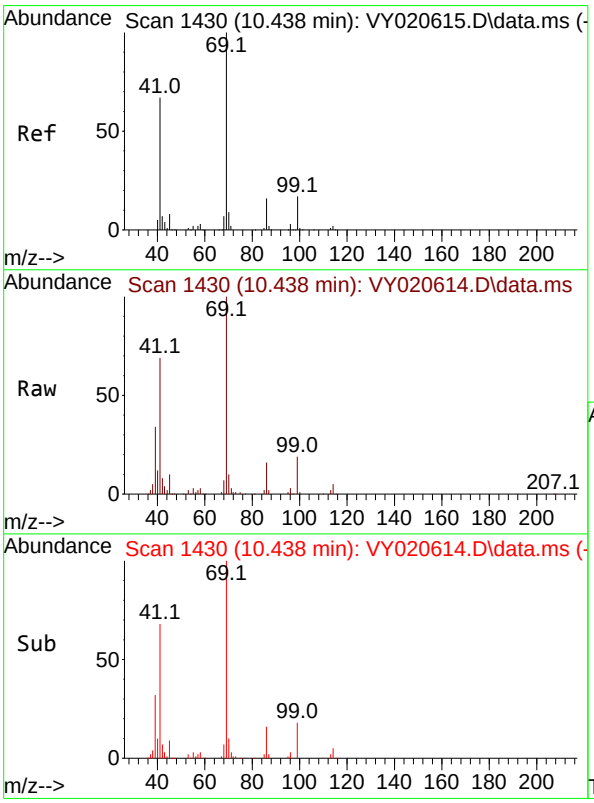
#55
1,1,2-Trichloroethane
Concen: 19.875 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 33330

Ion	Ratio	Lower	Upper
97	100		
83	88.0	70.4	105.6
85	54.7	47.2	70.8
99	59.1	50.0	75.0

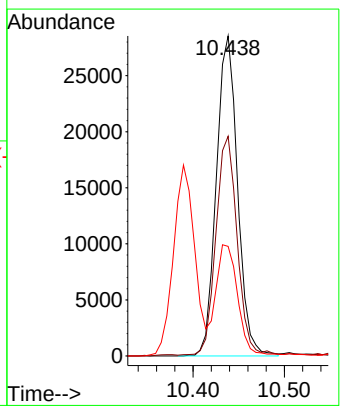


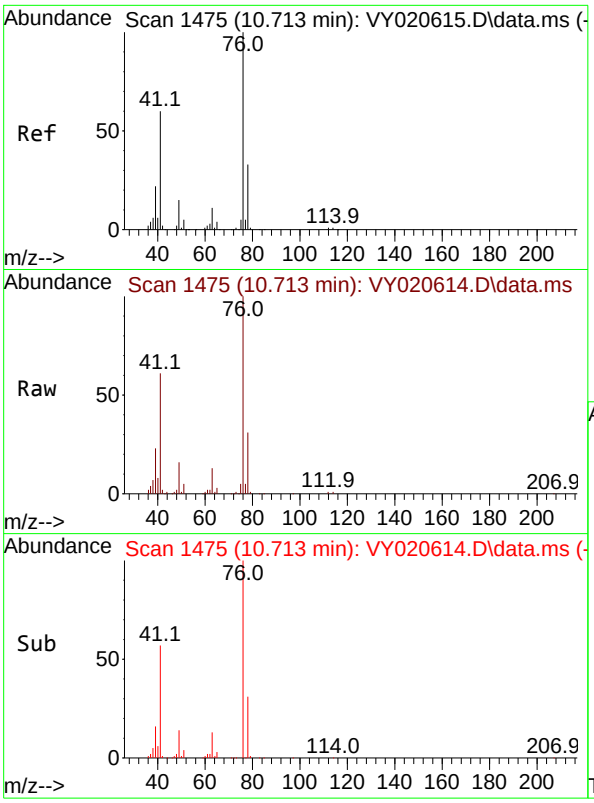


#56
Ethyl methacrylate
Concen: 18.930 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 69 Resp: 46055

Ion	Ratio	Lower	Upper
69	100		
41	68.4	54.0	81.0
39	35.0	27.9	41.9



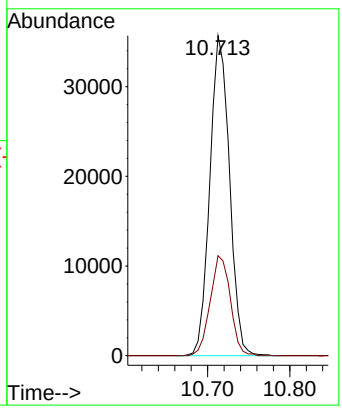


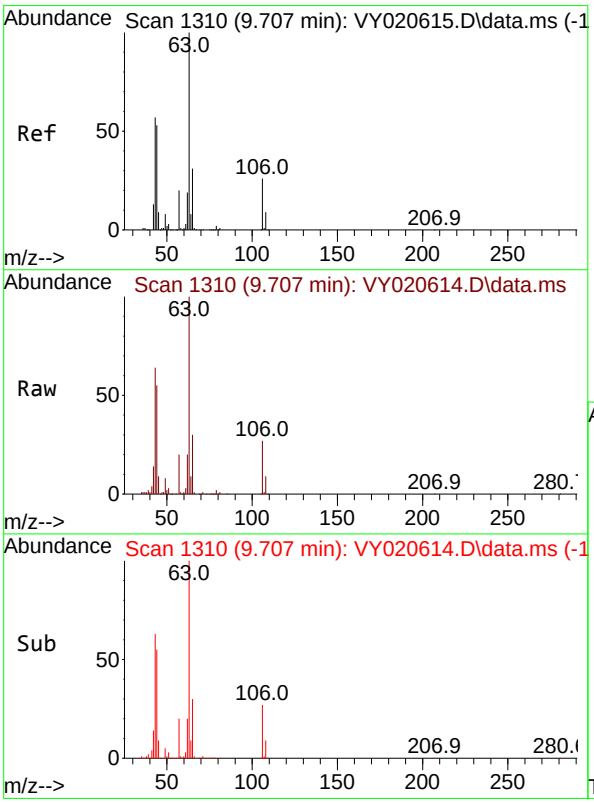
#57
1,3-Dichloropropane
Concen: 19.828 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 59274

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

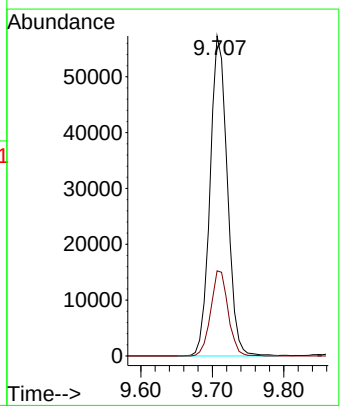


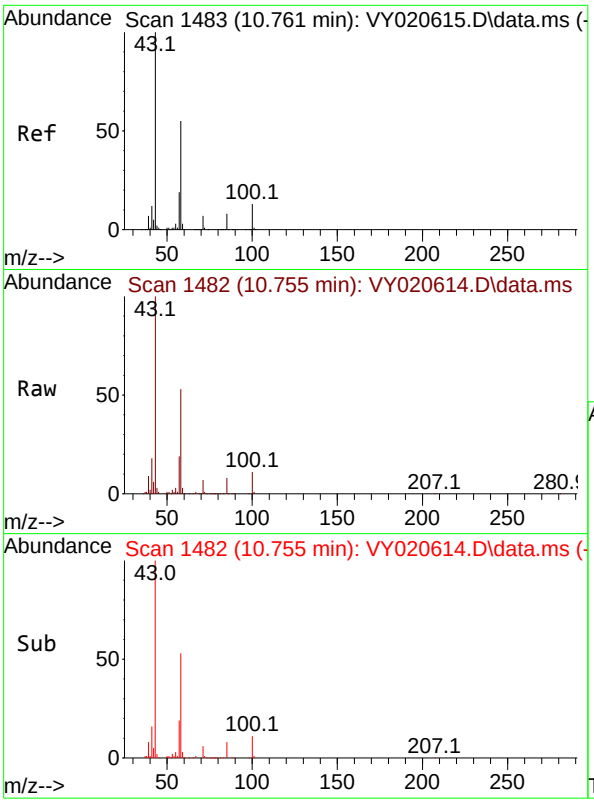


#58
2-Chloroethyl Vinyl ether
Concen: 93.804 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 63 Resp: 96023

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.5	32.3



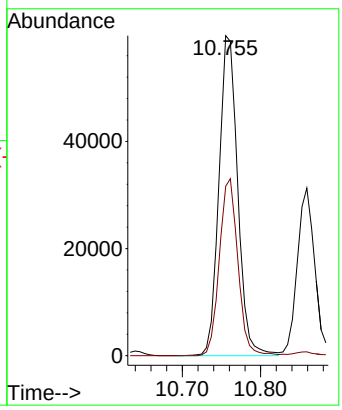


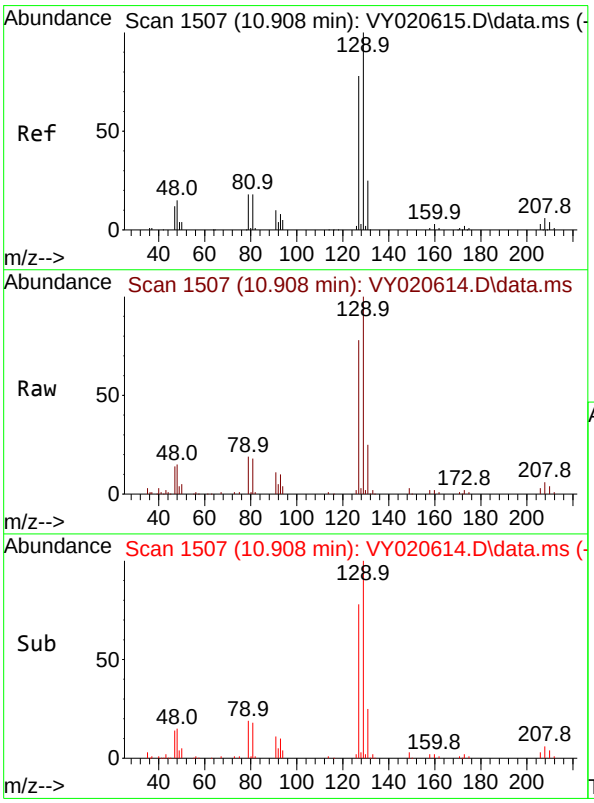
#59
2-Hexanone
Concen: 94.224 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 99623

Ion	Ratio	Lower	Upper
43	100		
58	54.6	27.2	81.6

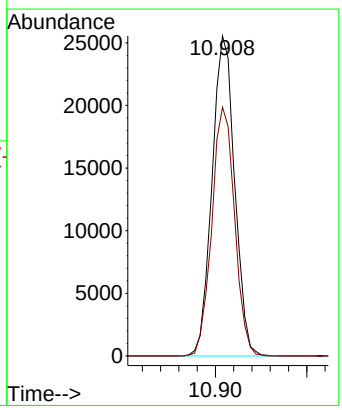


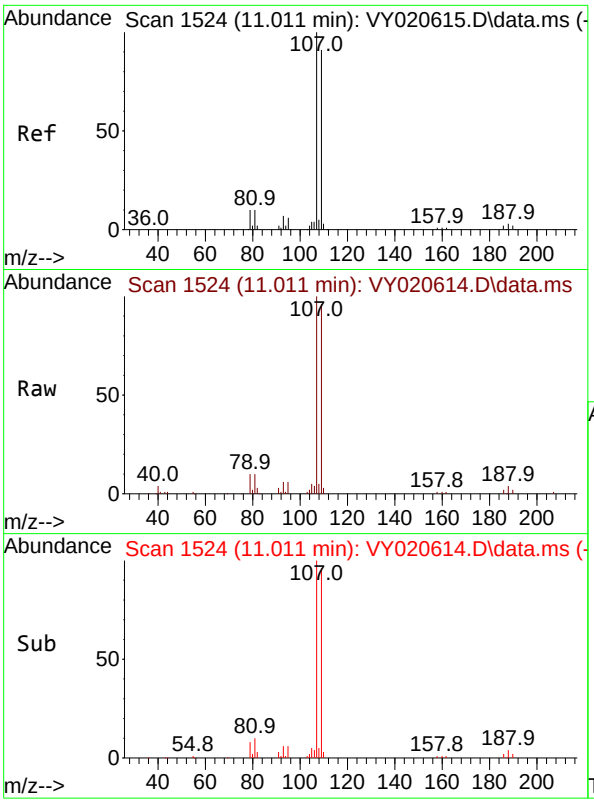


#60
Dibromochloromethane
Concen: 19.541 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:129 Resp: 43825

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.1	114.3



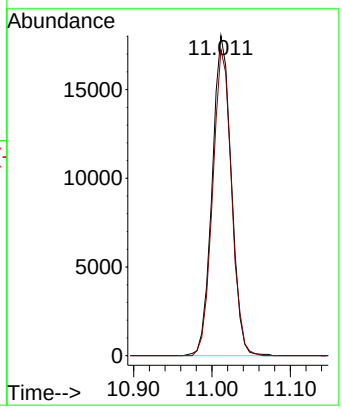


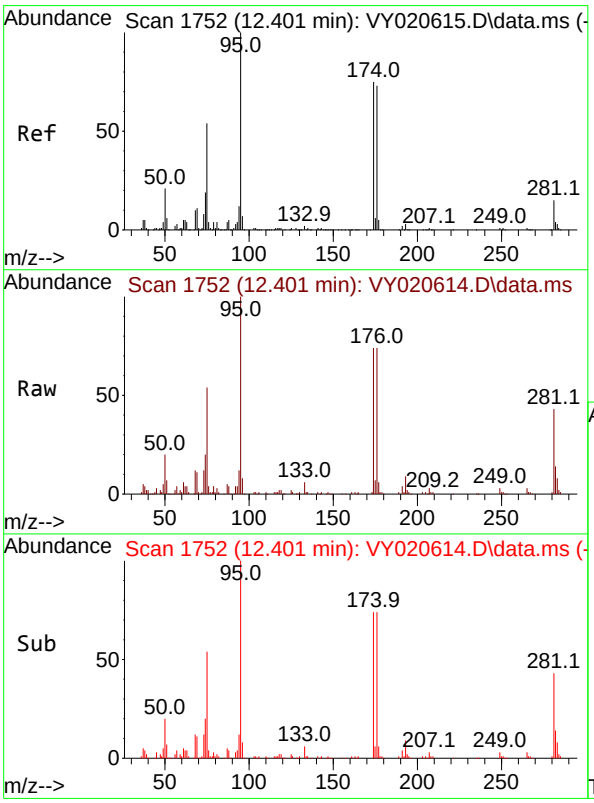
#61
1,2-Dibromoethane
Concen: 19.630 ug/l
RT: 11.011 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 30621

Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.4	113.2

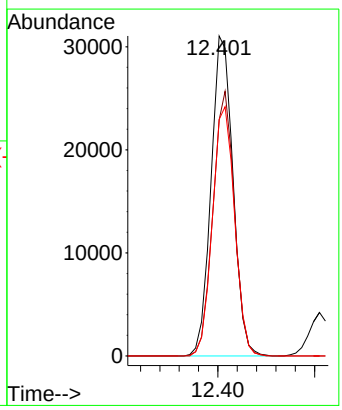


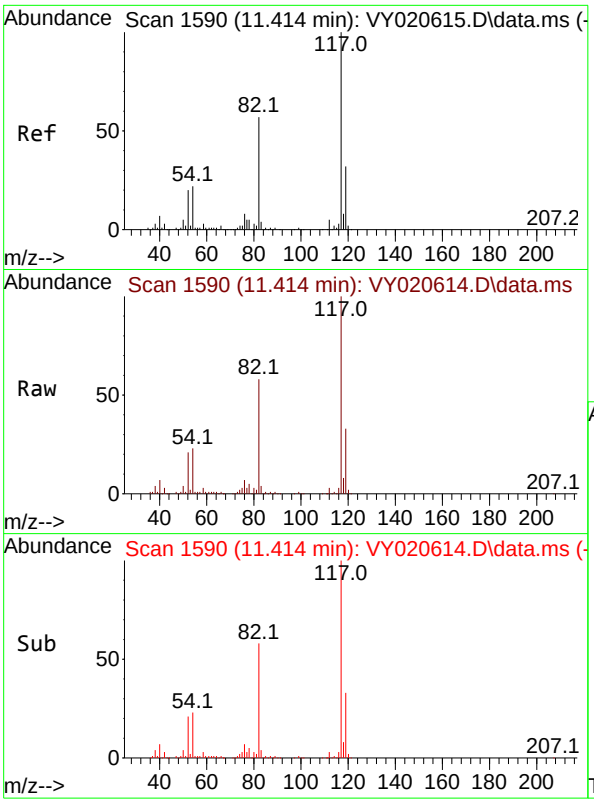


#62
4-Bromofluorobenzene
Concen: 18.552 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 95 Resp: 48801

Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	161.8
176	78.7	0.0	156.6



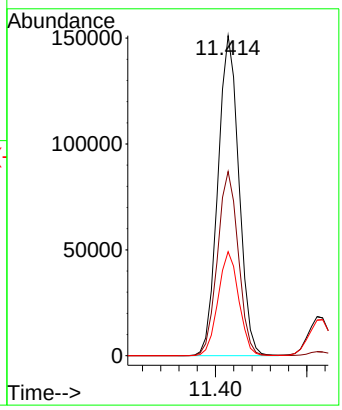


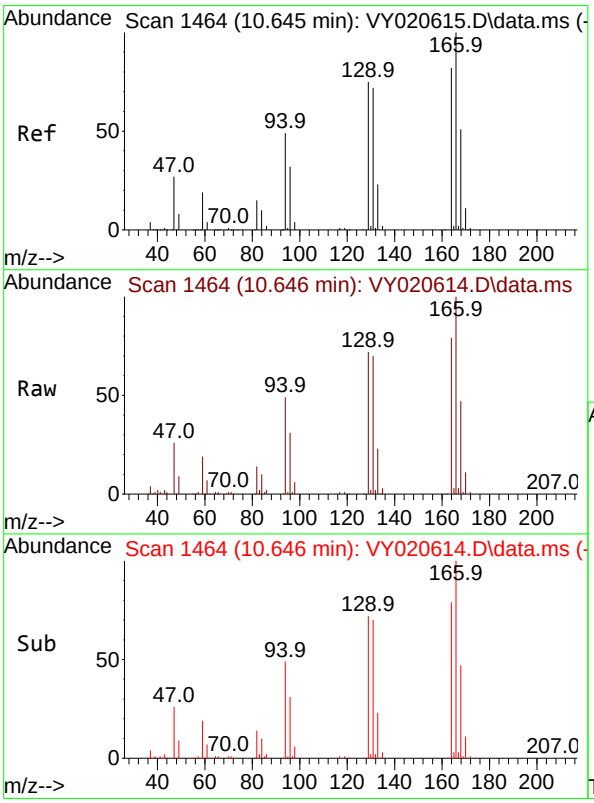
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 241222

Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.8	68.6
119	32.5	25.3	37.9

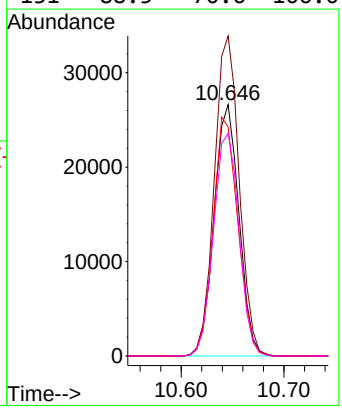


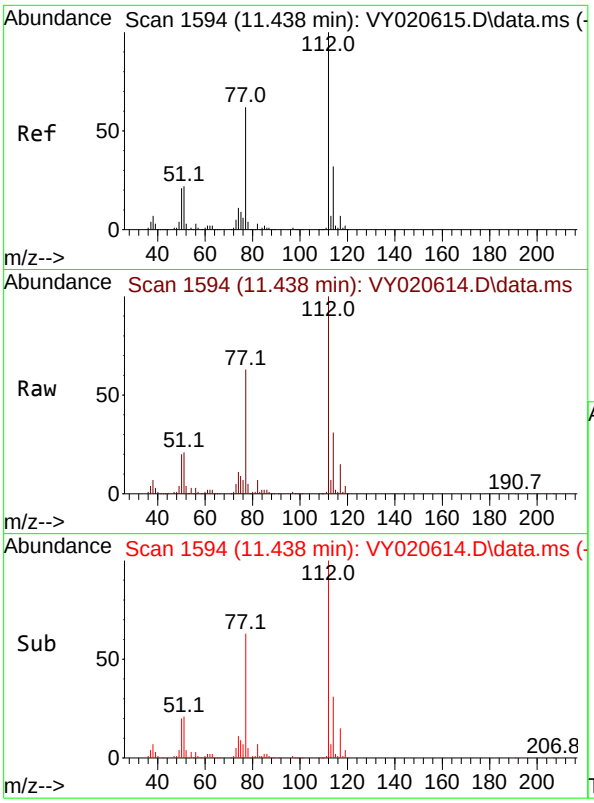


#64
Tetrachloroethene
Concen: 19.716 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:164 Resp: 44735

Ion	Ratio	Lower	Upper
164	100		
166	127.3	97.9	146.9
129	91.1	73.4	110.0
131	88.5	70.6	106.0



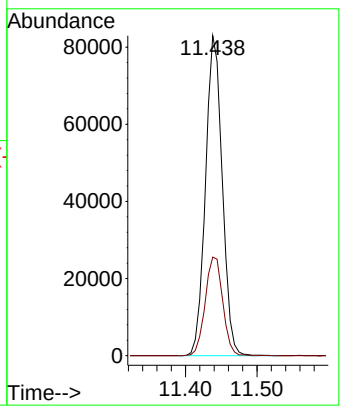


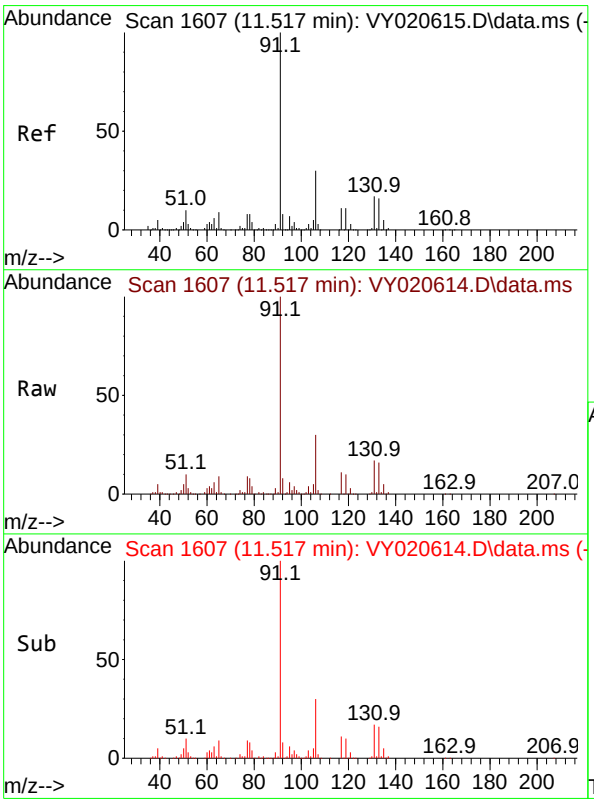
#65
Chlorobenzene
Concen: 19.987 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 134807

Ion	Ratio	Lower	Upper
112	100		
114	30.8	26.0	39.0

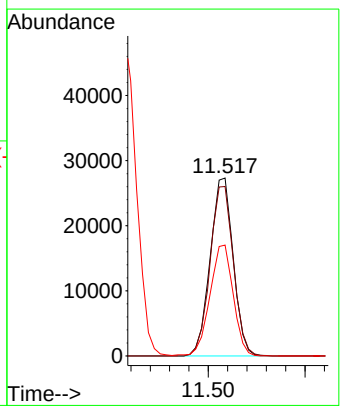


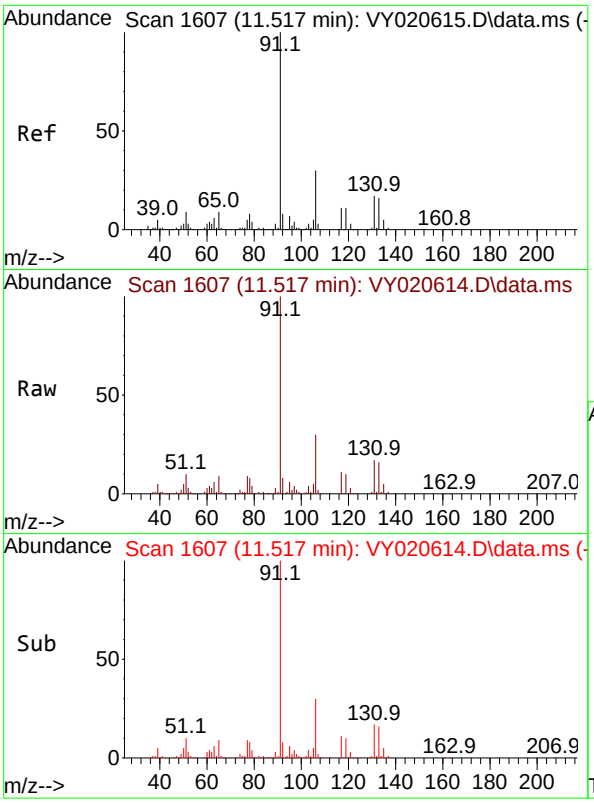


#66
1,1,1,2-Tetrachloroethane
Concen: 19.574 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:131 Resp: 45146

Ion	Ratio	Lower	Upper
131	100		
133	96.8	46.8	140.3
119	63.1	31.8	95.3



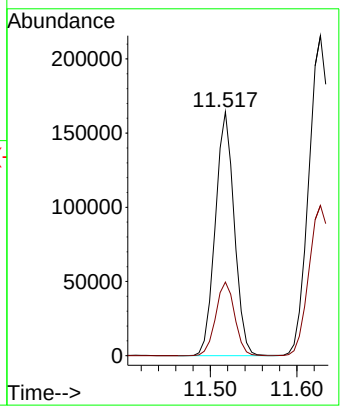


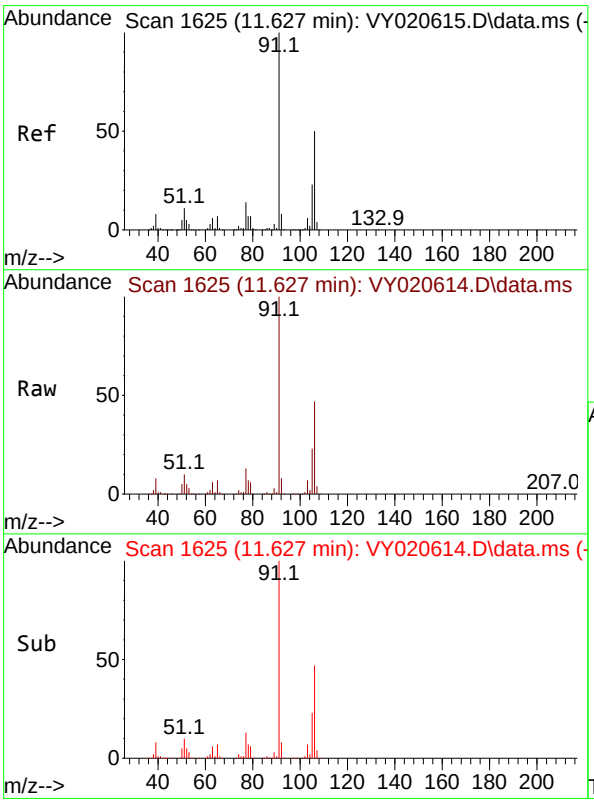
#67
Ethyl Benzene
Concen: 20.027 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 249208

Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.9	35.9

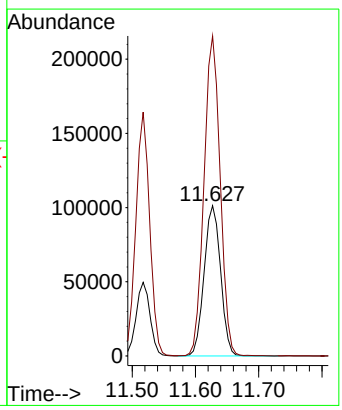


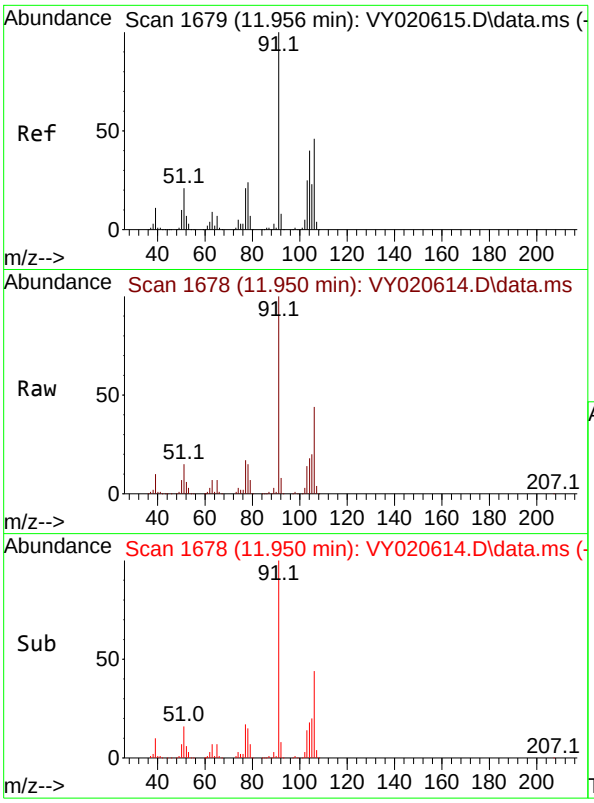


#68
m/p-Xylenes
Concen: 39.659 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:106 Resp: 183488

Ion	Ratio	Lower	Upper
106	100		
91	208.9	165.0	247.4



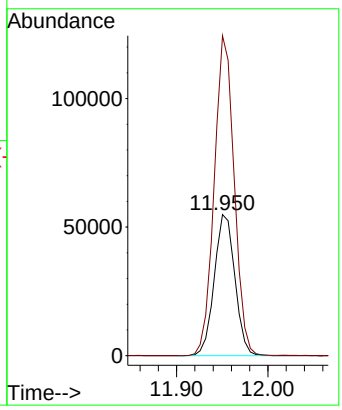


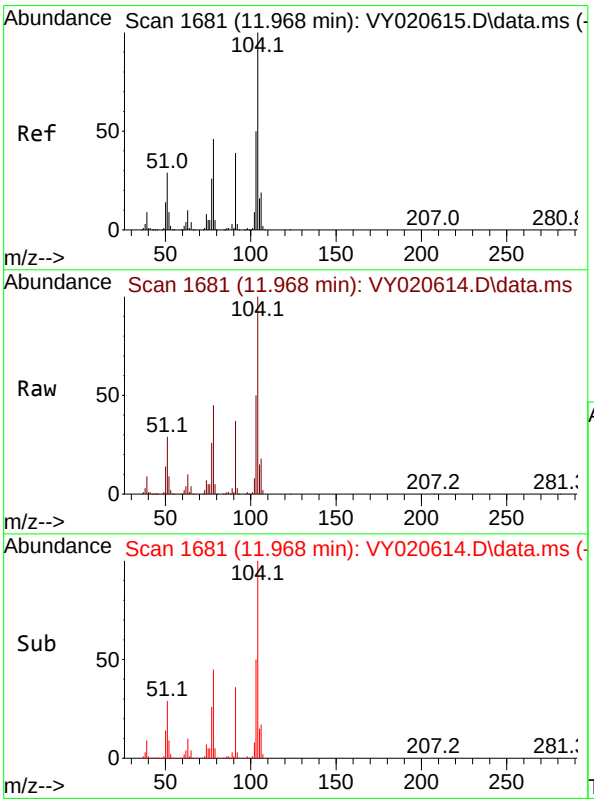
#69
o-Xylene
Concen: 19.932 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 86043

Ion	Ratio	Lower	Upper
106	100		
91	219.8	108.4	325.2

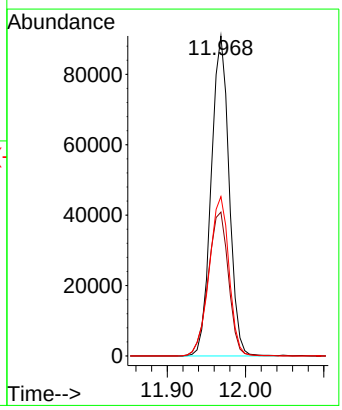


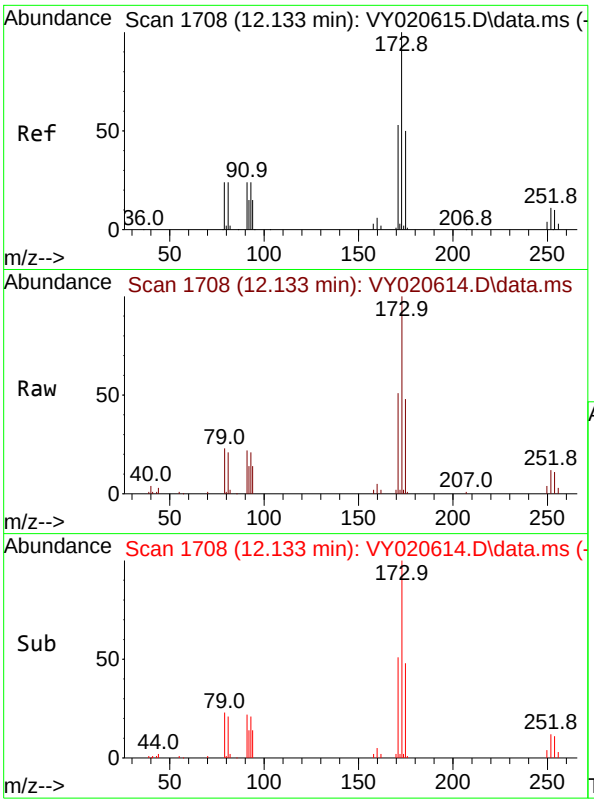


#70
Styrene
Concen: 20.012 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:104 Resp: 144333

Ion	Ratio	Lower	Upper
104	100		
78	51.1	41.6	62.4
103	55.1	43.7	65.5



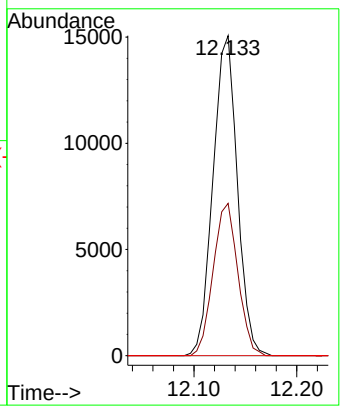


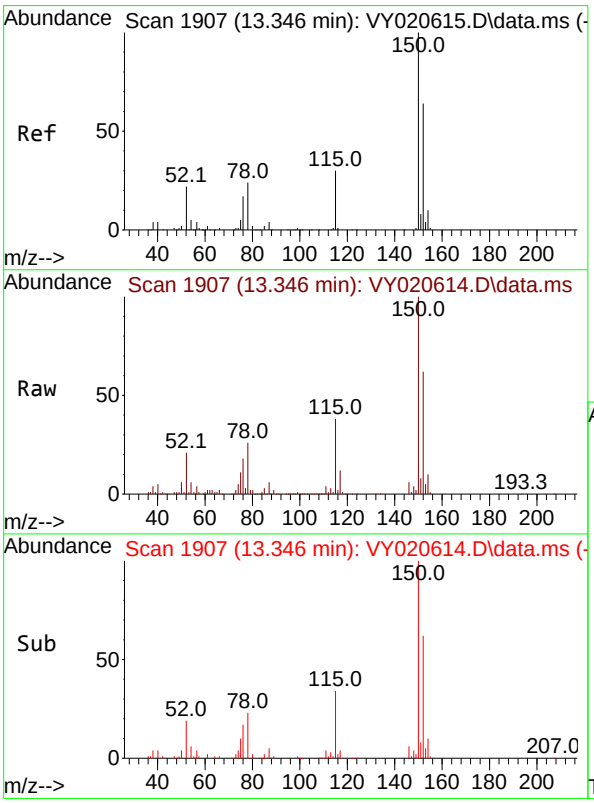
#71
Bromoform
Concen: 19.062 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 24718

Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.6	74.0
254	0.0	0.0	0.0

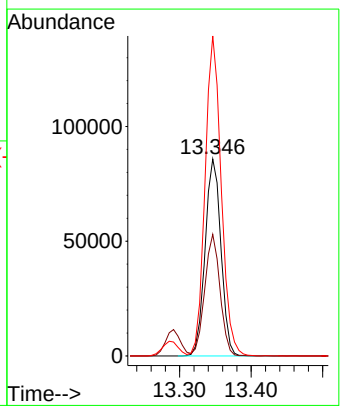


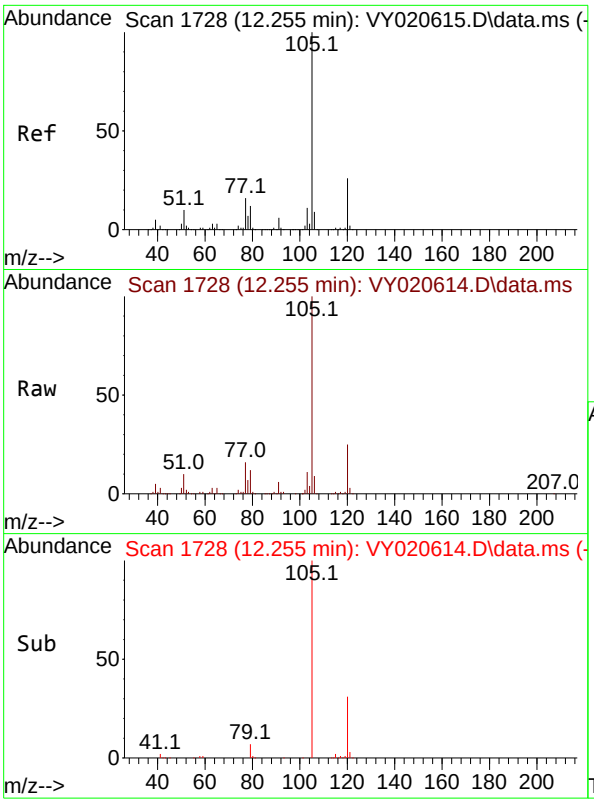


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:152 Resp: 131827

Ion	Ratio	Lower	Upper
152	100		
115	59.6	30.2	90.6
150	165.8	0.0	355.4



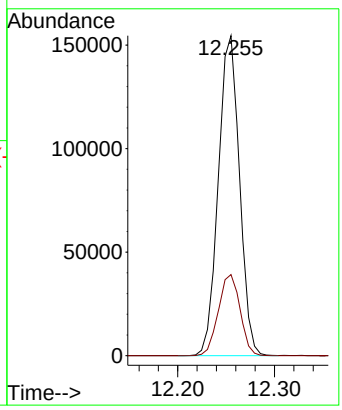


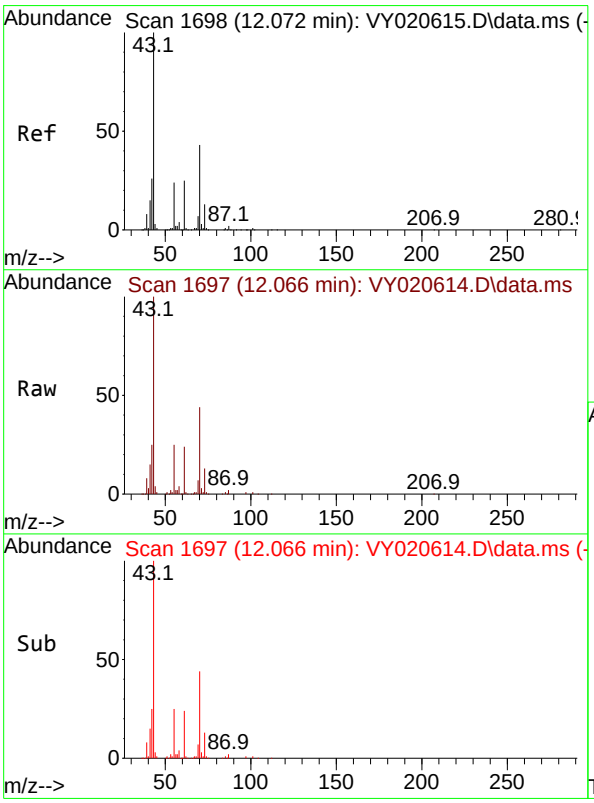
#73
Isopropylbenzene
Concen: 20.404 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 234727

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.1	39.1

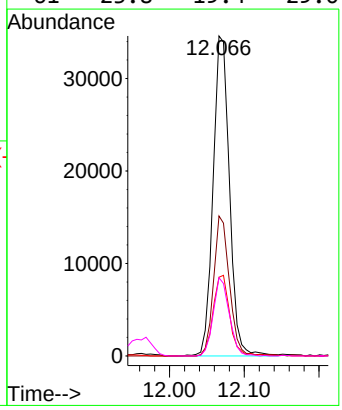


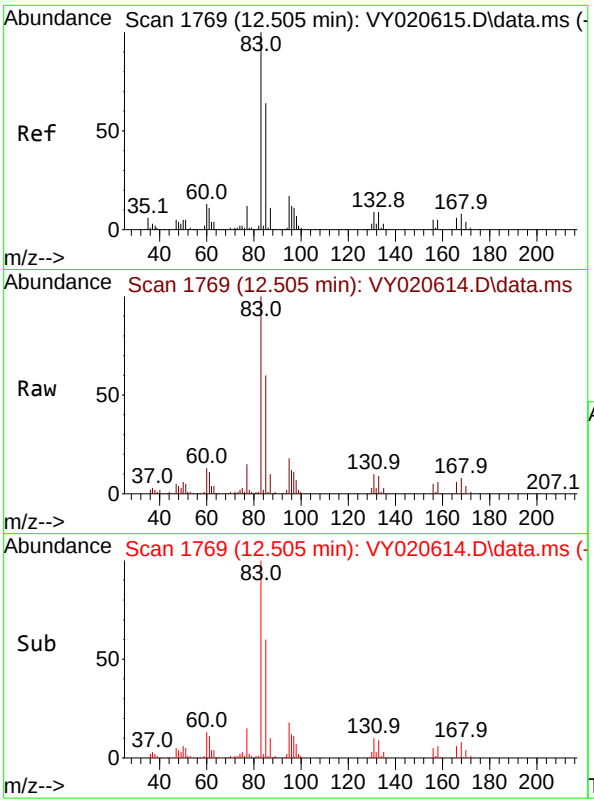


#74
N-amyl acetate
Concen: 19.574 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 43 Resp: 52699

Ion	Ratio	Lower	Upper
43	100		
70	42.5	34.2	51.2
55	25.8	19.6	29.4
61	23.8	19.4	29.0



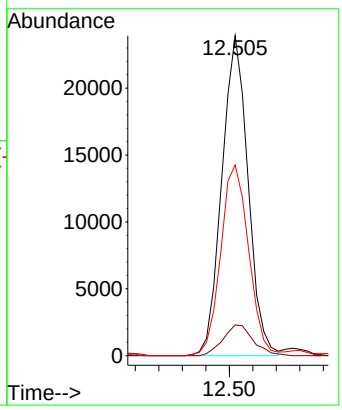


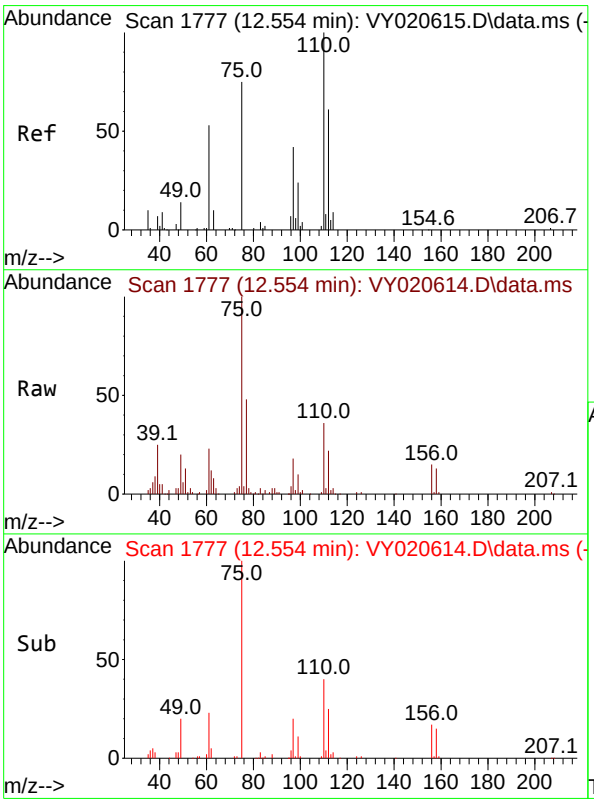
#75
1,1,2,2-Tetrachloroethane
Concen: 19.813 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 36998

Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.2	15.6
85	63.6	32.5	97.4

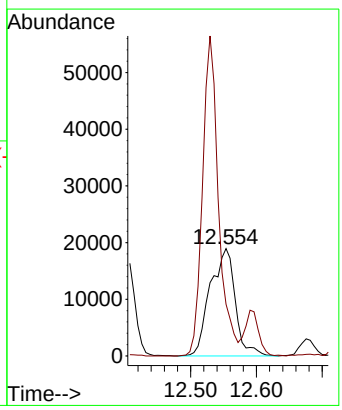


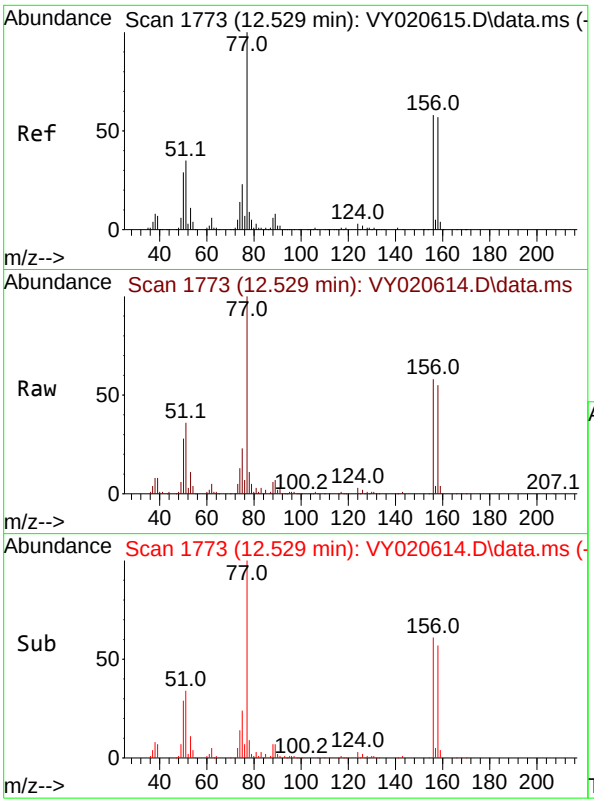


#76
1,2,3-Trichloropropane
Concen: 37.046 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 75 Resp: 50299

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



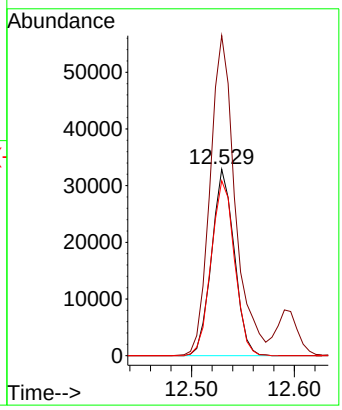


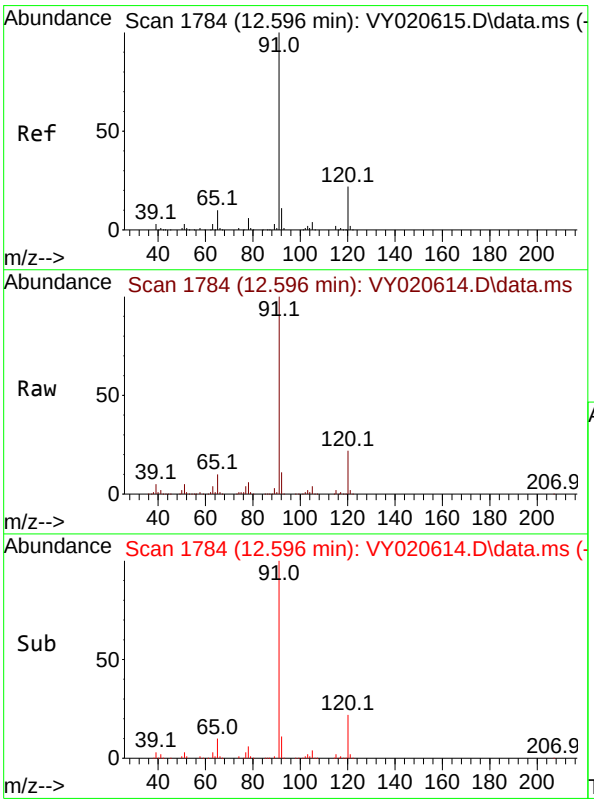
#77
Bromobenzene
Concen: 20.063 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 50276

Ion	Ratio	Lower	Upper
156	100		
77	190.2	94.2	282.4
158	96.8	48.9	146.6

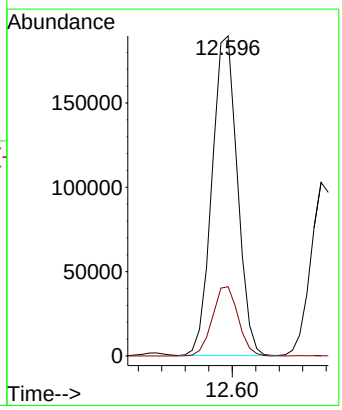


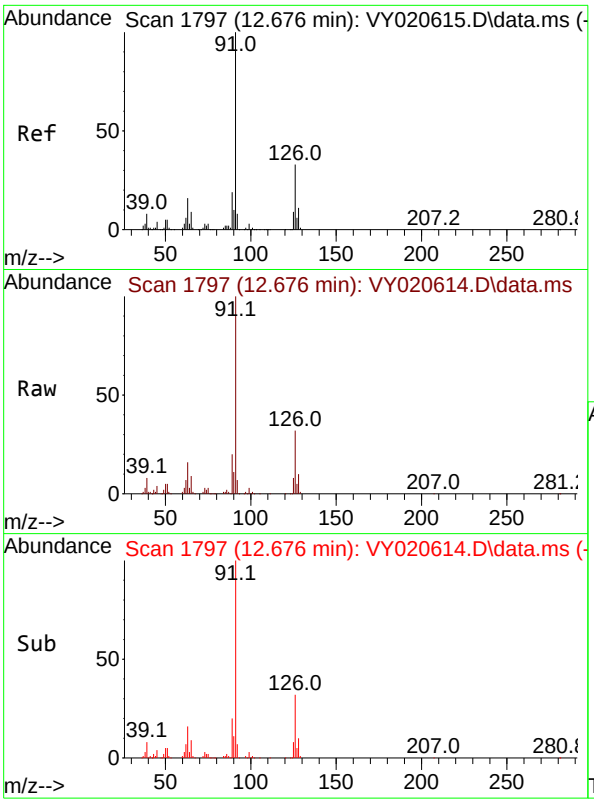


#78
n-propylbenzene
Concen: 20.534 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 91 Resp: 284604

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1



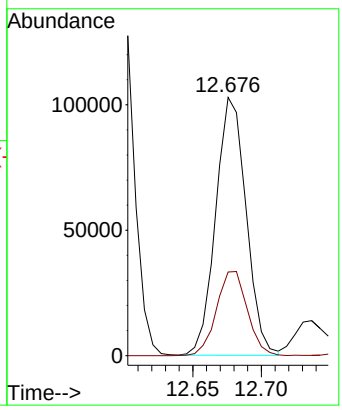


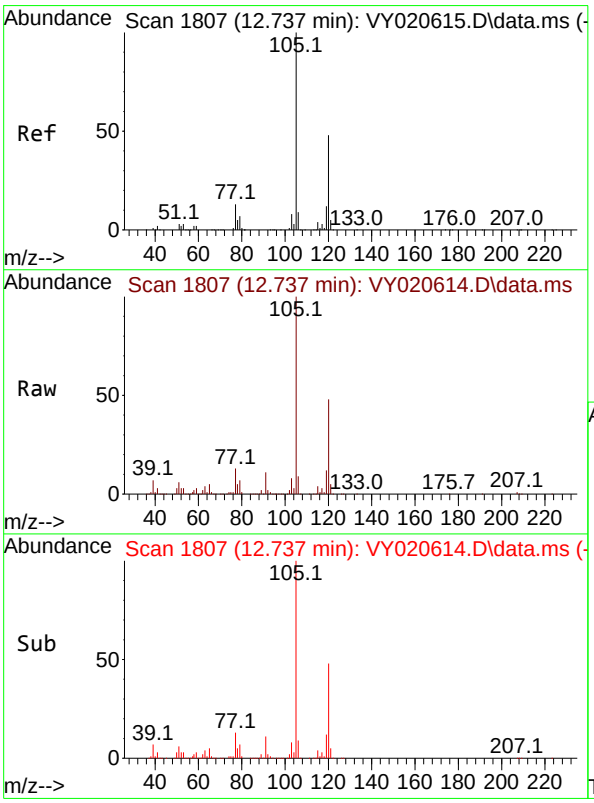
#79
2-Chlorotoluene
Concen: 20.369 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 158834

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.6	49.7

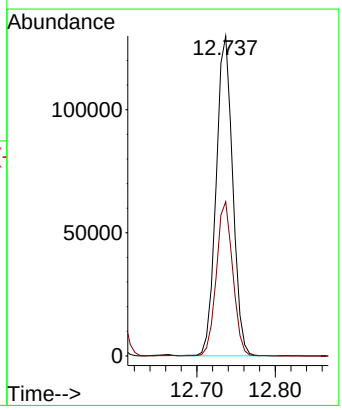


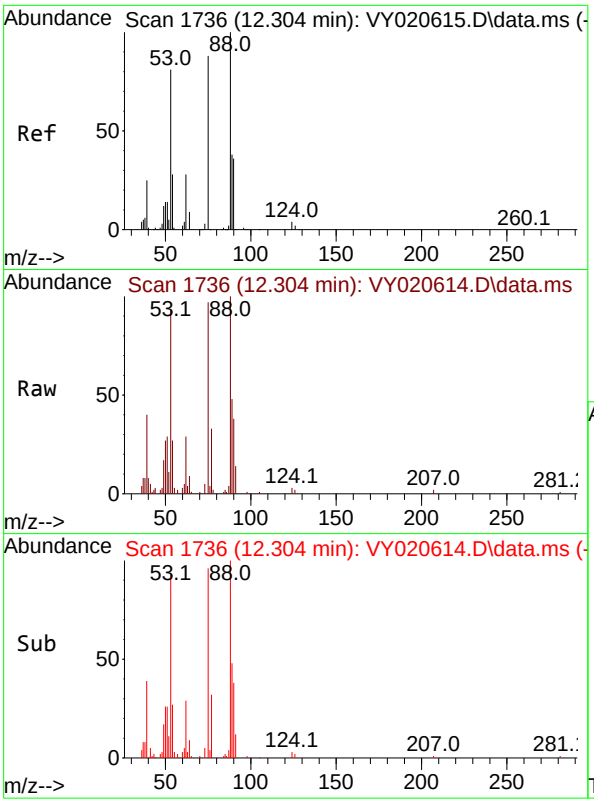


#80
1,3,5-Trimethylbenzene
Concen: 20.458 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:105 Resp: 190968

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.9	71.7



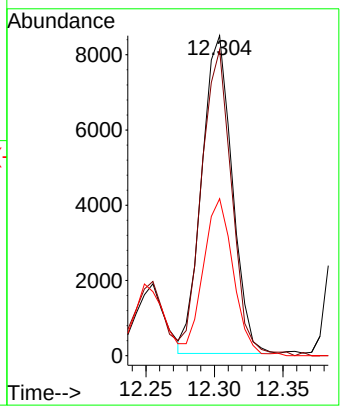


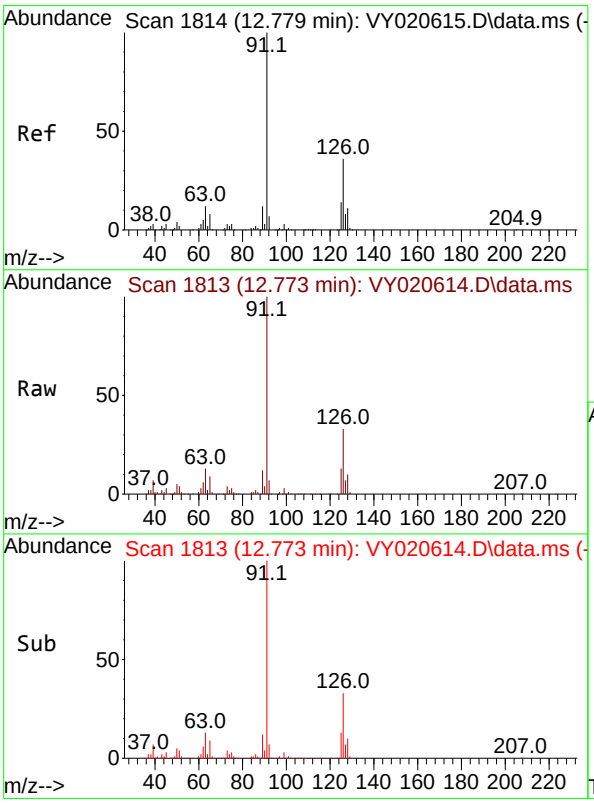
#81
trans-1,4-Dichloro-2-butene
Concen: 19.986 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 13039

Ion	Ratio	Lower	Upper
75	100		
53	95.8	75.4	113.2
89	49.1	37.0	55.4

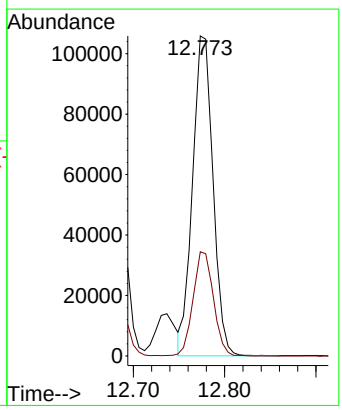


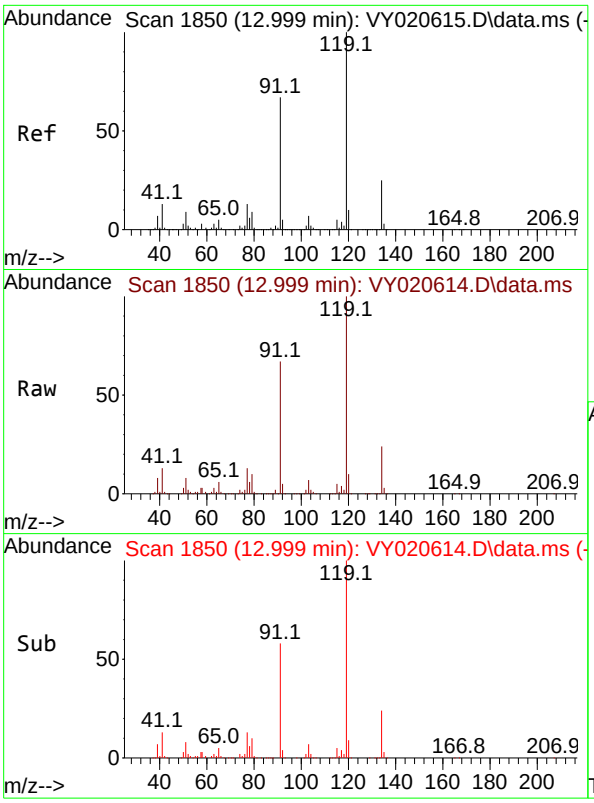


#82
4-Chlorotoluene
Concen: 20.358 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 91 Resp: 164692

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.6	49.7



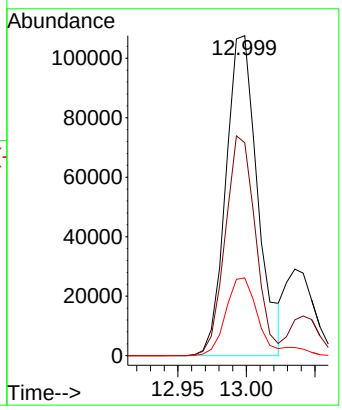


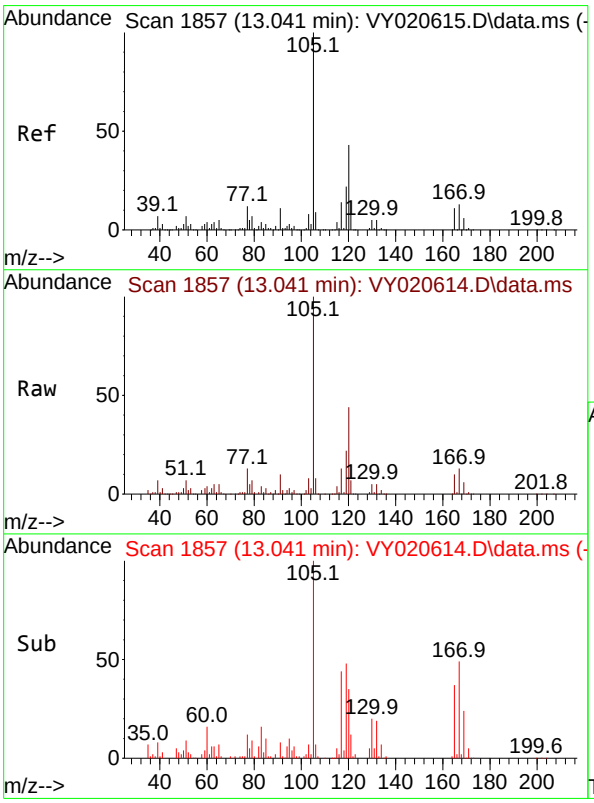
#83
tert-Butylbenzene
Concen: 20.507 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 173358

Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.9	98.6
134	25.9	13.1	39.1

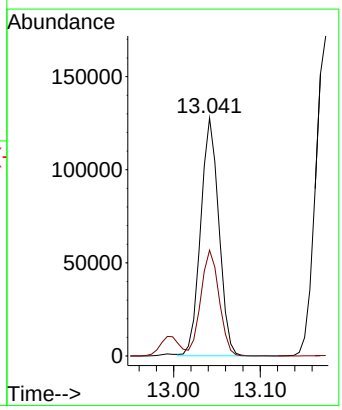


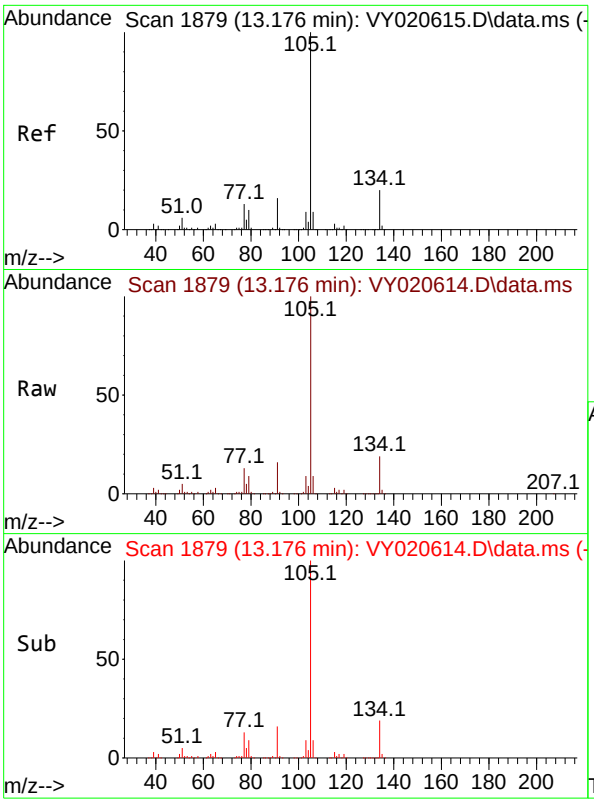


#84
1,2,4-Trimethylbenzene
Concen: 20.352 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:105 Resp: 186344

Ion	Ratio	Lower	Upper
105	100		
120	44.4	21.8	65.4



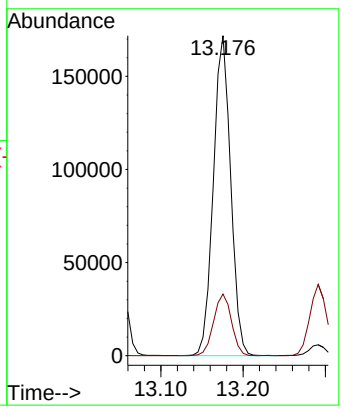


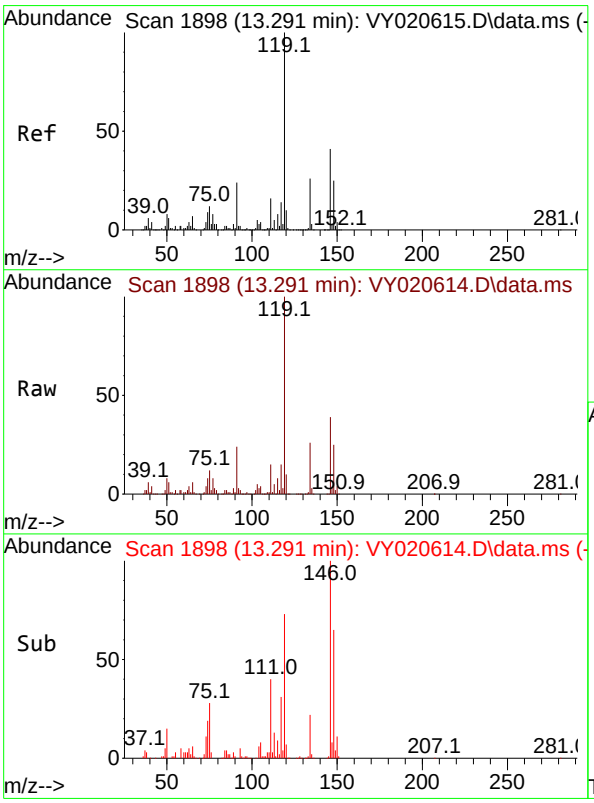
#85
sec-Butylbenzene
Concen: 20.492 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 251880

Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.0	30.0

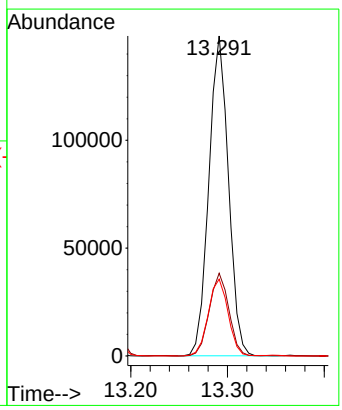


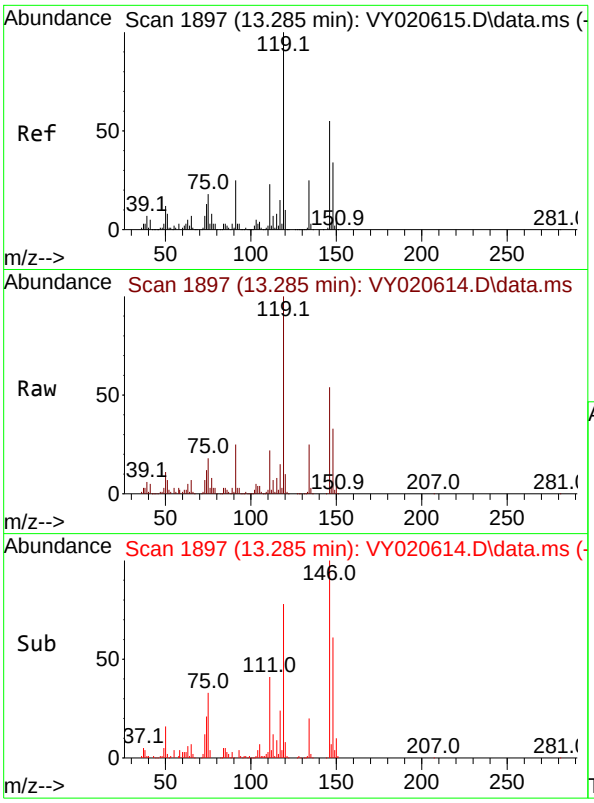


#86
p-Isopropyltoluene
Concen: 20.558 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:119 Resp: 208342

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.6
91	24.5	12.1	36.3



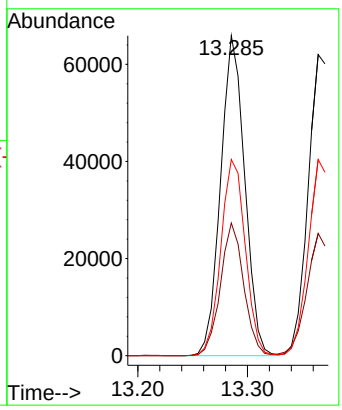


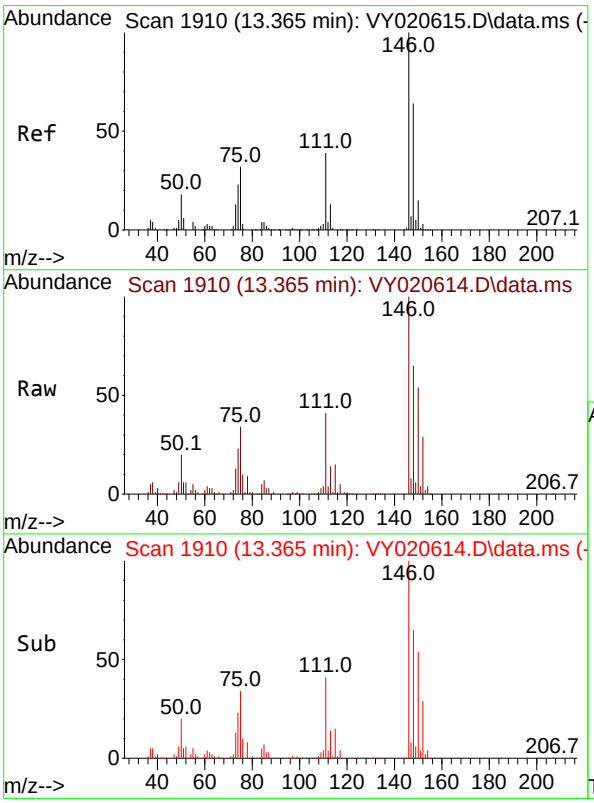
#87
1,3-Dichlorobenzene
Concen: 20.380 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 100815

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.6	61.8
148	62.1	31.4	94.0

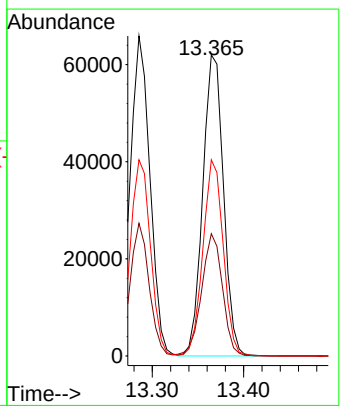


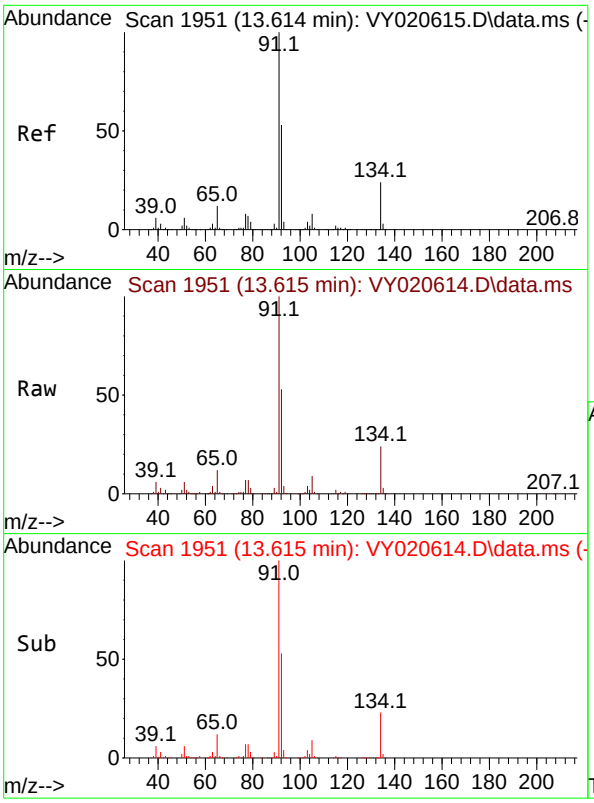


#88
1,4-Dichlorobenzene
Concen: 19.935 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:146 Resp: 97668

Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.6	58.7
148	63.9	31.9	95.5



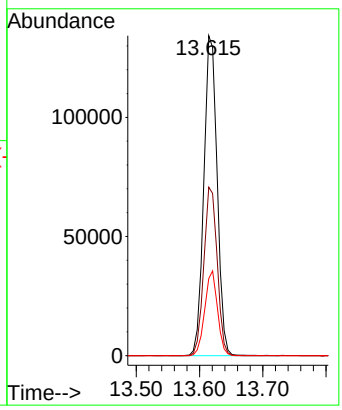


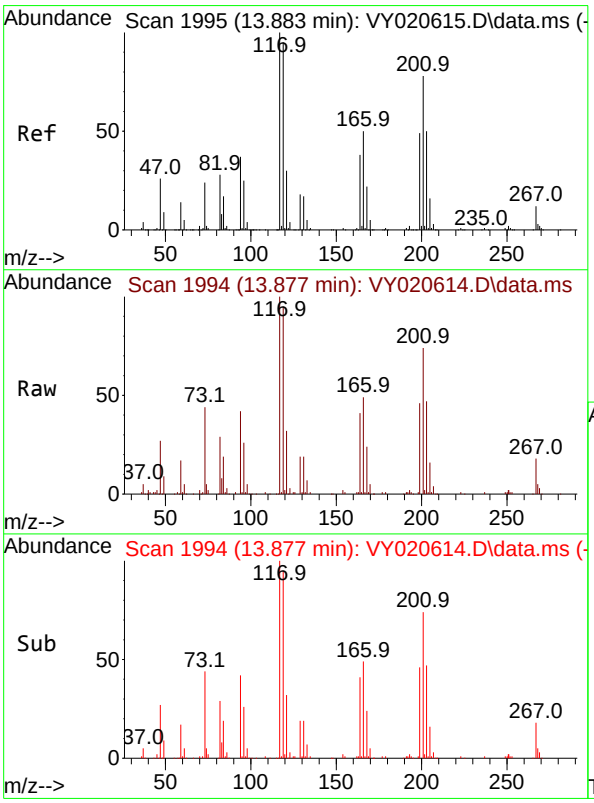
#89
n-Butylbenzene
Concen: 20.511 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 196997

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.8	80.4
134	25.4	12.5	37.5

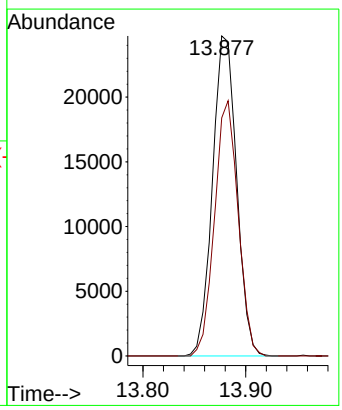


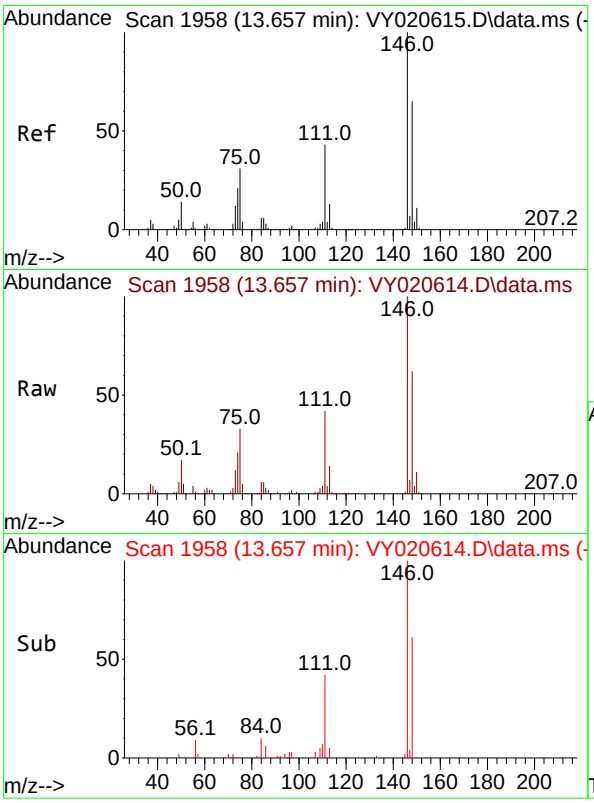


#90
Hexachloroethane
Concen: 20.057 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:117 Resp: 40281

Ion	Ratio	Lower	Upper
117	100		
201	77.8	39.1	117.3



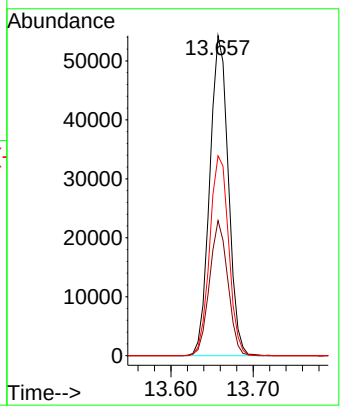


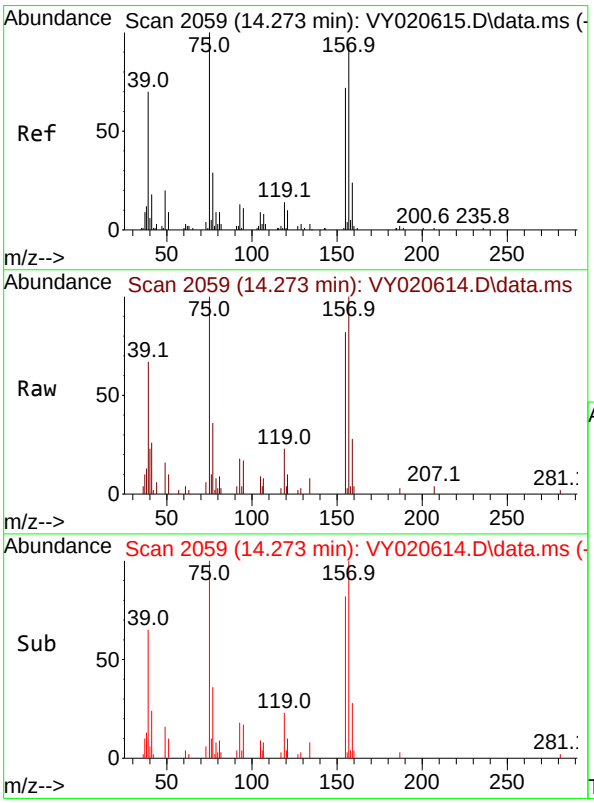
#91
1,2-Dichlorobenzene
Concen: 19.862 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 85128

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.3	63.7
148	64.0	32.0	96.0

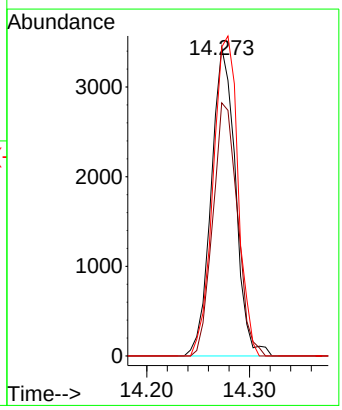


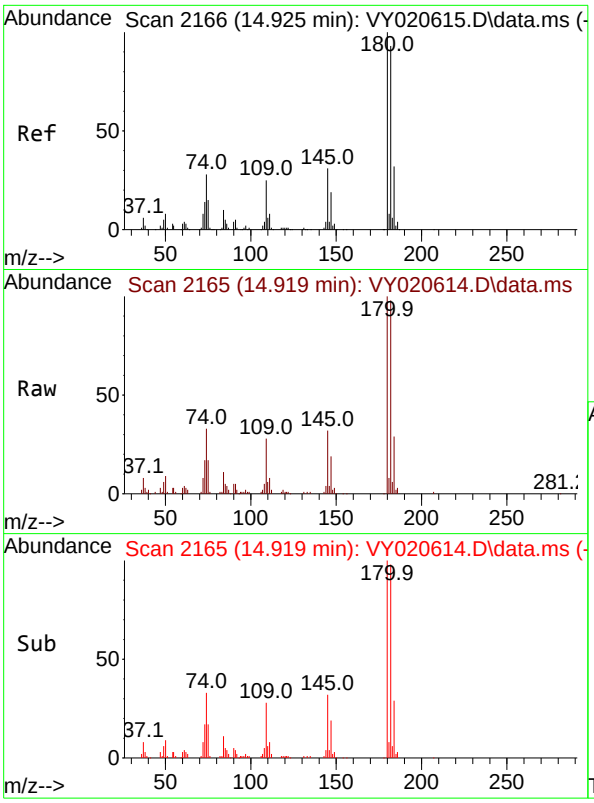


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.561 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion: 75 Resp: 5627

Ion	Ratio	Lower	Upper
75	100		
155	83.2	41.1	123.3
157	106.5	52.9	158.8



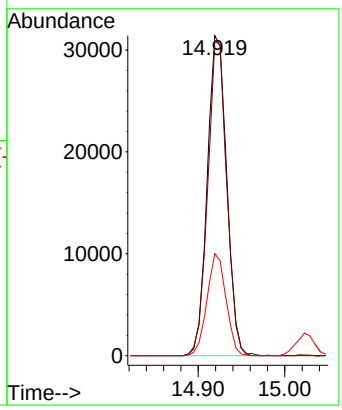


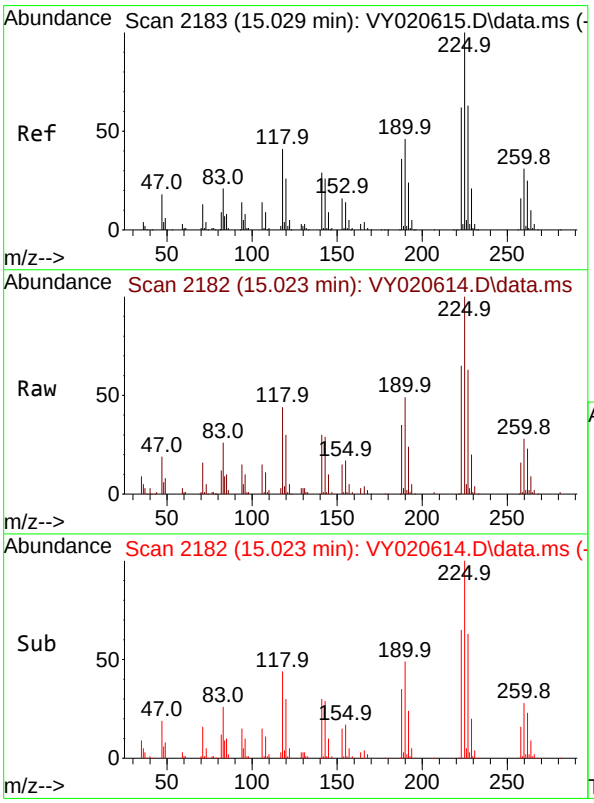
#93
1,2,4-Trichlorobenzene
Concen: 18.850 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 48869

Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.9	143.6
145	31.3	15.6	46.7

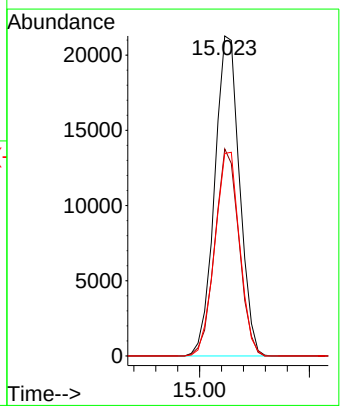


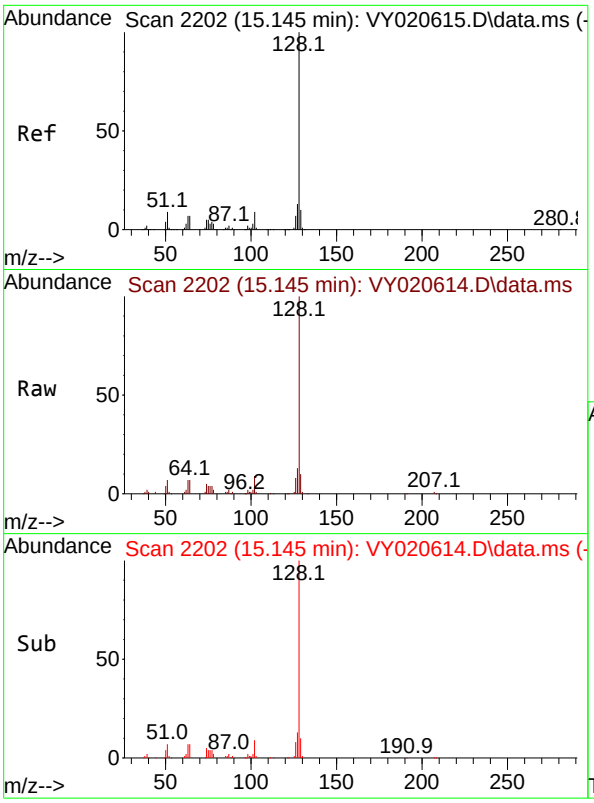


#94
Hexachlorobutadiene
Concen: 19.781 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:225 Resp: 33524

Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.8	95.3
227	63.5	32.2	96.6



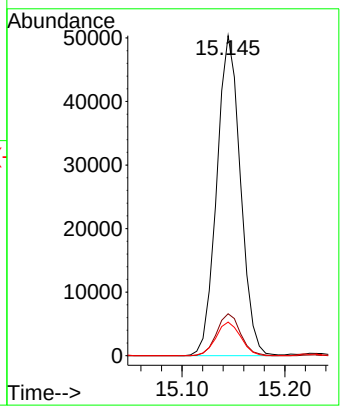


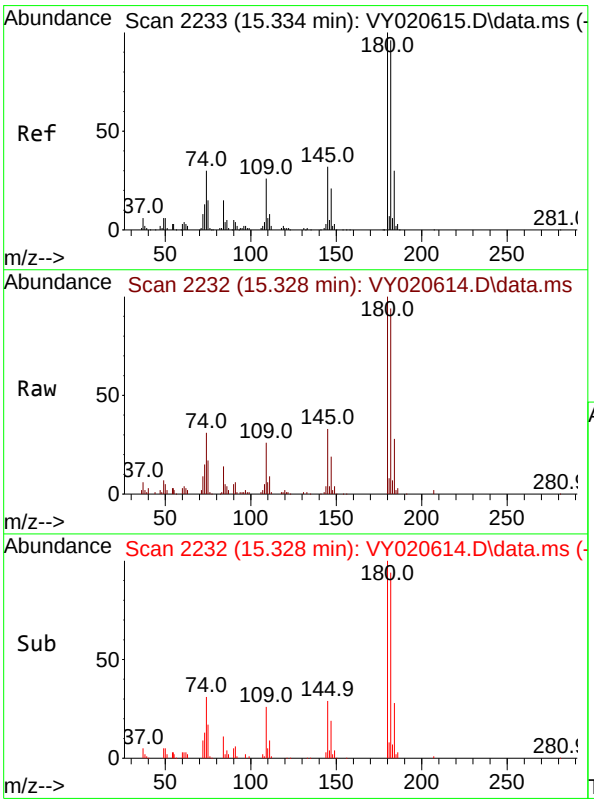
#95
Naphthalene
Concen: 18.126 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 80562

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	10.9	8.5	12.7

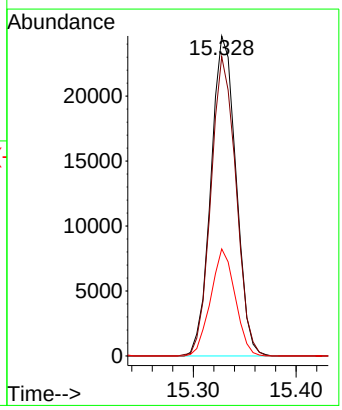




#96
1,2,3-Trichlorobenzene
Concen: 19.031 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY020614.D
Acq: 17 Dec 2024 10:23

Tgt Ion:180 Resp: 41686

Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.3	141.9
145	32.6	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020615.D
Acq On : 17 Dec 2024 10:51
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Dec 18 04:52:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	169292	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	263162	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	234325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	130092	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	96289	51.933	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.860%			
35) Dibromofluoromethane	7.634	113	94848	51.139	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.280%			
50) Toluene-d8	10.103	98	334601	51.543	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.080%			
62) 4-Bromofluorobenzene	12.401	95	126226	49.707	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 99.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	104493	49.416	ug/l	100
3) Chloromethane	2.068	50	72429	46.229	ug/l	100
4) Vinyl Chloride	2.202	62	62750	43.031	ug/l	100
5) Bromomethane	2.598	94	38716	41.303	ug/l	100
6) Chloroethane	2.738	64	35946	39.890	ug/l	100
7) Trichlorofluoromethane	3.061	101	133990	43.913	ug/l	100
8) Diethyl Ether	3.458	74	49218	45.993	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.817	101	102158	46.710	ug/l	100
10) Methyl Iodide	4.006	142	117209	48.135	ug/l	100
11) Tert butyl alcohol	4.860	59	42756	214.068	ug/l	100
12) 1,1-Dichloroethene	3.787	96	99773	47.016	ug/l	100
13) Acrolein	3.653	56	14576	166.258	ug/l	100
14) Allyl chloride	4.384	41	173951	46.780	ug/l	100
15) Acrylonitrile	5.055	53	130861	255.615	ug/l	100
16) Acetone	3.866	43	83206	225.255	ug/l	100
17) Carbon Disulfide	4.104	76	328309	47.529	ug/l	100
18) Methyl Acetate	4.384	43	59224	46.948	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	281609	51.414	ug/l	100
20) Methylene Chloride	4.616	84	104472	45.319	ug/l	100
21) trans-1,2-Dichloroethene	5.116	96	120184	50.488	ug/l	100
22) Diisopropyl ether	6.024	45	387073	51.282	ug/l	100
23) Vinyl Acetate	5.963	43	1112368	260.208	ug/l	100
24) 1,1-Dichloroethane	5.915	63	223898	50.635	ug/l	100
25) 2-Butanone	6.896	43	167158	242.593	ug/l	100
26) 2,2-Dichloropropane	6.884	77	200438	47.951	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	138280	50.490	ug/l	100
28) Bromochloromethane	7.244	49	83821	56.199	ug/l	100
29) Tetrahydrofuran	7.262	42	112230	258.011	ug/l	100
30) Chloroform	7.420	83	233357	52.860	ug/l	100
31) Cyclohexane	7.701	56	202782	47.962	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	202760	49.911	ug/l	100
36) 1,1-Dichloropropene	7.835	75	167520	49.533	ug/l	100
37) Ethyl Acetate	6.981	43	78387	49.275	ug/l	100
38) Carbon Tetrachloride	7.817	117	184345	49.267	ug/l	100
39) Methylcyclohexane	9.109	83	219055	49.696	ug/l	100
40) Benzene	8.079	78	489140	49.343	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020615.D
Acq On : 17 Dec 2024 10:51
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Dec 18 04:52:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	40529	48.191	ug/l		100
42) 1,2-Dichloroethane	8.158	62	131640	50.069	ug/l		100
43) Isopropyl Acetate	8.195	43	153226	50.877	ug/l		100
44) Trichloroethene	8.865	130	120552	49.491	ug/l		100
45) 1,2-Dichloropropane	9.140	63	114250	49.313	ug/l		100
46) Dibromomethane	9.231	93	60782	49.642	ug/l		100
47) Bromodichloromethane	9.420	83	166333	50.291	ug/l		100
48) Methyl methacrylate	9.219	41	72602	50.709	ug/l		100
49) 1,4-Dioxane	9.231	88	14069	1001.939	ug/l		100
51) 4-Methyl-2-Pentanone	9.999	43	393979	247.835	ug/l		100
52) Toluene	10.170	92	307082	49.846	ug/l		100
53) t-1,3-Dichloropropene	10.389	75	158536	51.442	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	185696	50.849	ug/l		100
55) 1,1,2-Trichloroethane	10.572	97	79837	49.318	ug/l		100
56) Ethyl methacrylate	10.438	69	121030	51.535	ug/l		100
57) 1,3-Dichloropropane	10.713	76	146053	50.611	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	226061	228.767	ug/l		100
59) 2-Hexanone	10.761	43	261334	256.048	ug/l		100
60) Dibromochloromethane	10.908	129	110597	51.085	ug/l		100
61) 1,2-Dibromoethane	11.011	107	75811	50.346	ug/l		100
64) Tetrachloroethene	10.645	164	105939	48.065	ug/l		100
65) Chlorobenzene	11.438	112	322053	49.154	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	111060	49.571	ug/l		100
67) Ethyl Benzene	11.517	91	598896	49.546	ug/l		100
68) m/p-Xylenes	11.627	106	446771	99.408	ug/l		100
69) o-Xylene	11.956	106	210499	50.198	ug/l		100
70) Styrene	11.968	104	351858	50.222	ug/l		100
71) Bromoform	12.133	173	63198	50.171	ug/l	#	100
73) Isopropylbenzene	12.255	105	566646	49.914	ug/l		100
74) N-amyl acetate	12.072	43	138830	52.254	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	92349	50.115	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	122382	91.339	ug/l	#	100
77) Bromobenzene	12.529	156	123256	49.842	ug/l		100
78) n-propylbenzene	12.596	91	687319	50.251	ug/l		100
79) 2-Chlorotoluene	12.676	91	382511	49.707	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	463155	50.279	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	33360	51.816	ug/l		100
82) 4-Chlorotoluene	12.779	91	397958	49.848	ug/l		100
83) tert-Butylbenzene	12.999	119	418182	50.127	ug/l		100
84) 1,2,4-Trimethylbenzene	13.041	105	459974	50.907	ug/l		100
85) sec-Butylbenzene	13.176	105	610142	50.301	ug/l		100
86) p-Isopropyltoluene	13.291	119	509445	50.941	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	242502	49.677	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	238266	49.281	ug/l		100
89) n-Butylbenzene	13.614	91	487742	51.461	ug/l		100
90) Hexachloroethane	13.883	117	99360	50.134	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	208977	49.409	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14740	49.268	ug/l		100
93) 1,2,4-Trichlorobenzene	14.925	180	131852	51.538	ug/l		100
94) Hexachlorobutadiene	15.029	225	85490	51.117	ug/l		100
95) Naphthalene	15.145	128	229979	52.434	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	112349	51.976	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020615.D
Acq On : 17 Dec 2024 10:51
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Dec 18 04:52:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

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

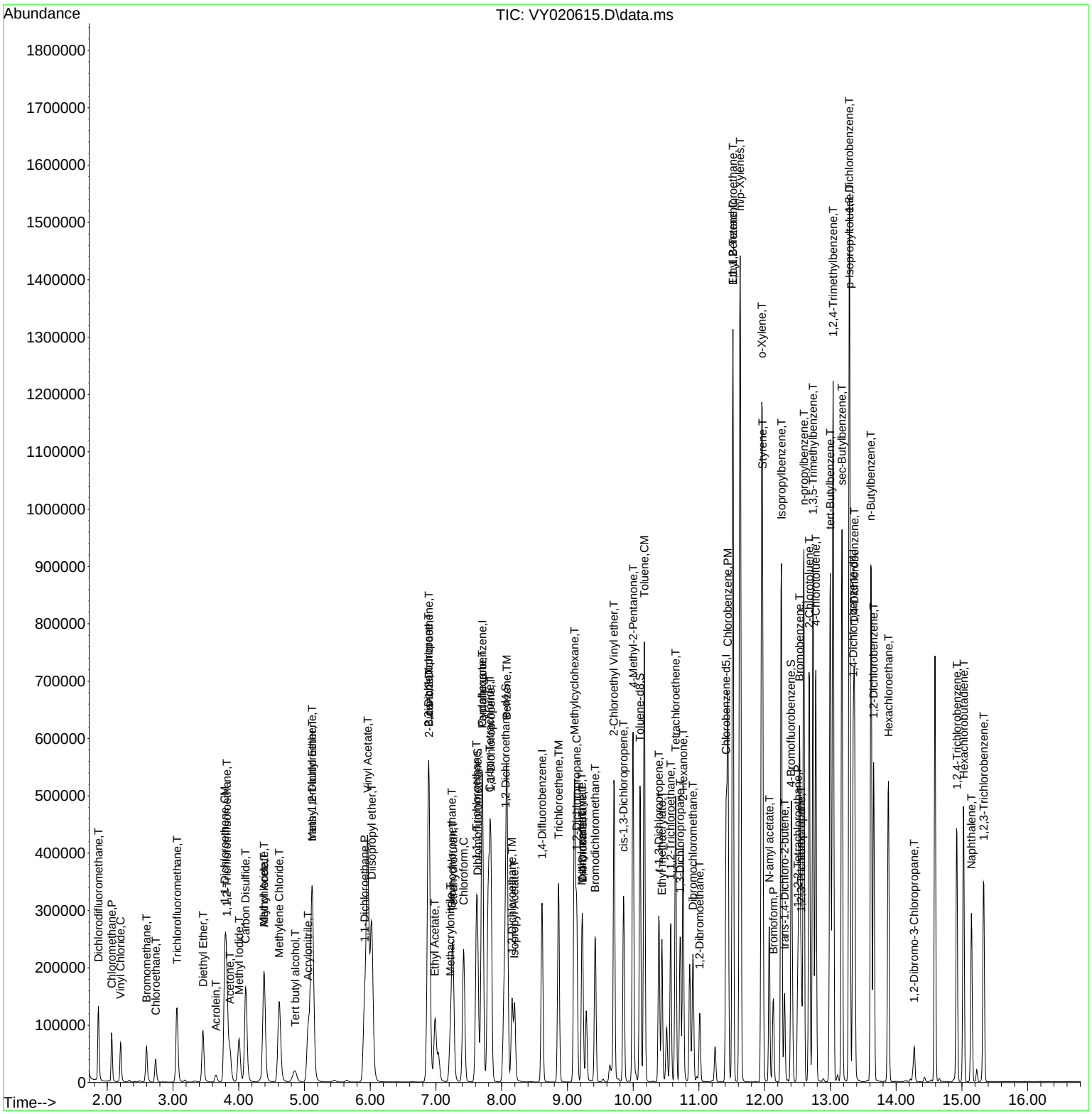
(#) = qualifier out of range (m) = manual integration (+) = signals summed

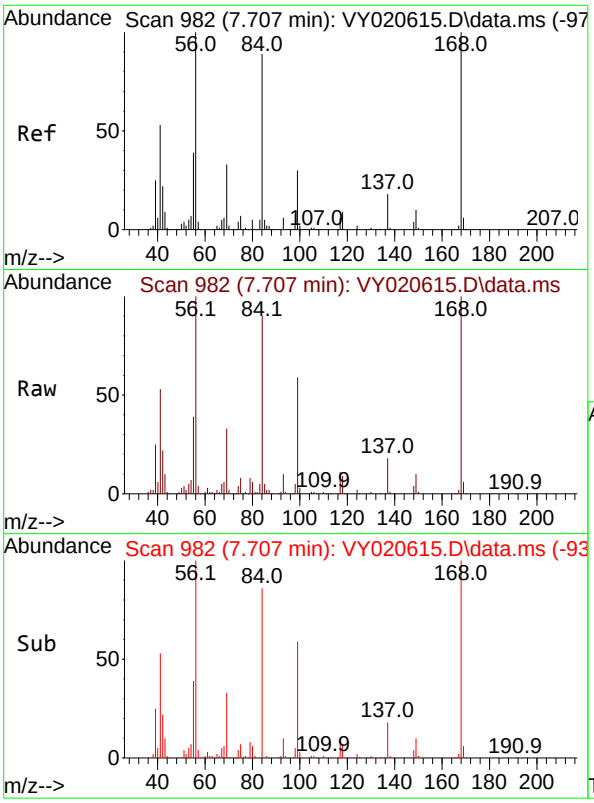
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020615.D
Acq On : 17 Dec 2024 10:51
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Dec 18 04:52:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration



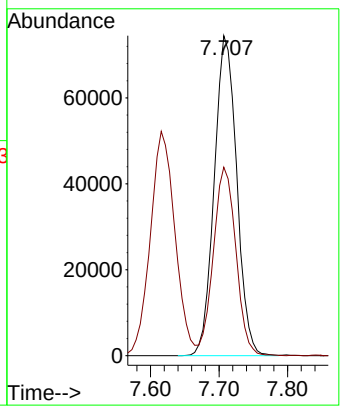


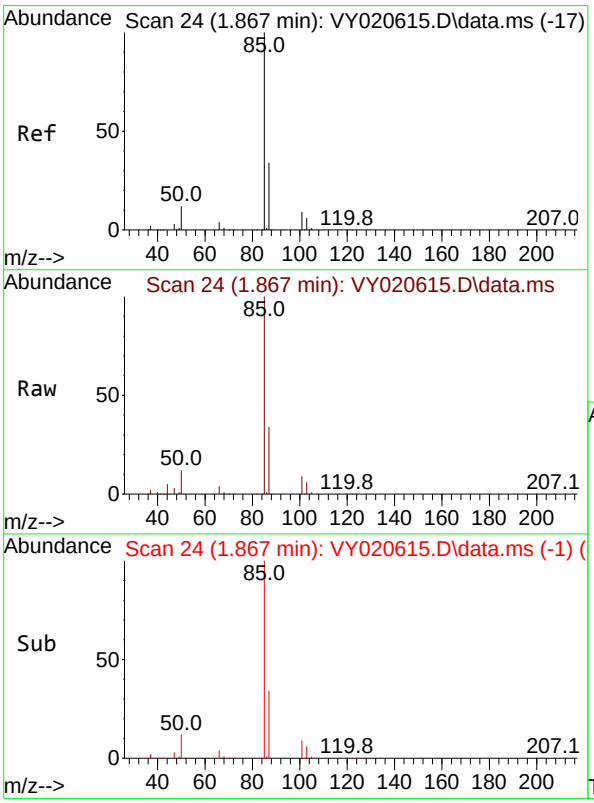
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 169292

Ion	Ratio	Lower	Upper
168	100		
99	58.8	47.0	70.6

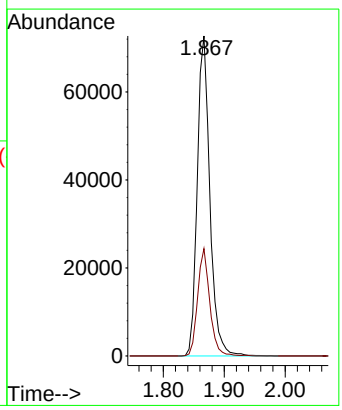


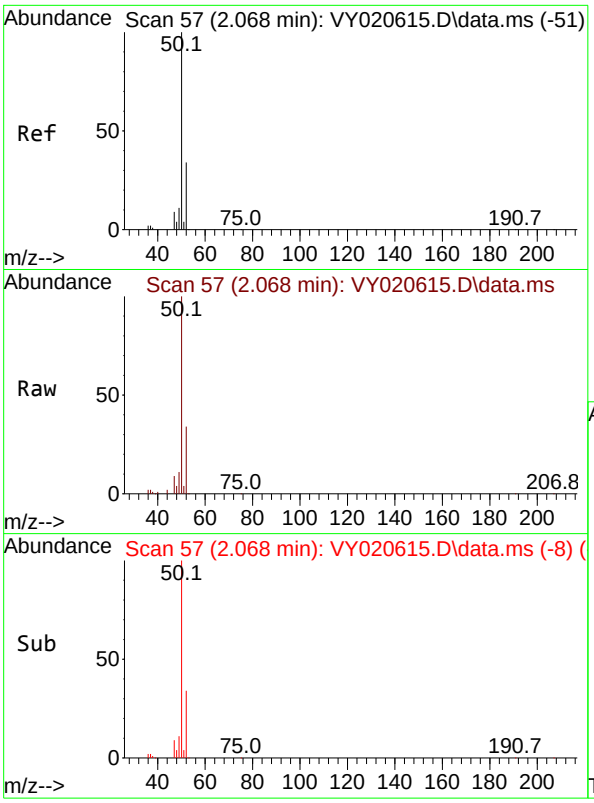


#2
Dichlorodifluoromethane
Concen: 49.416 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 85 Resp: 104493

Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.8	50.3



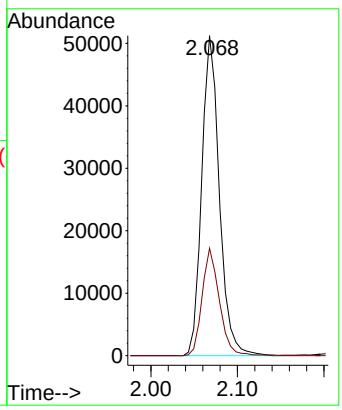


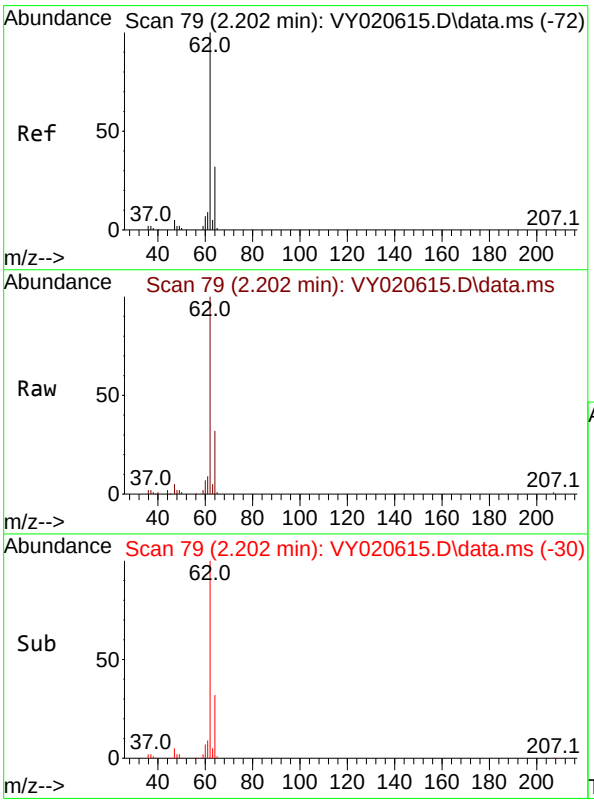
#3
Chloromethane
Concen: 46.229 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 72429

Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.8	40.2

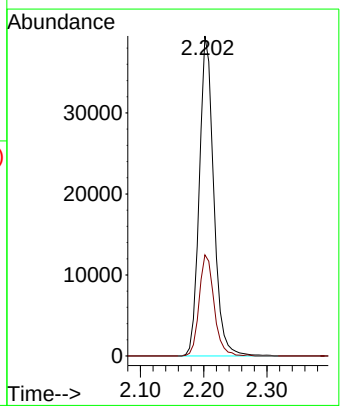


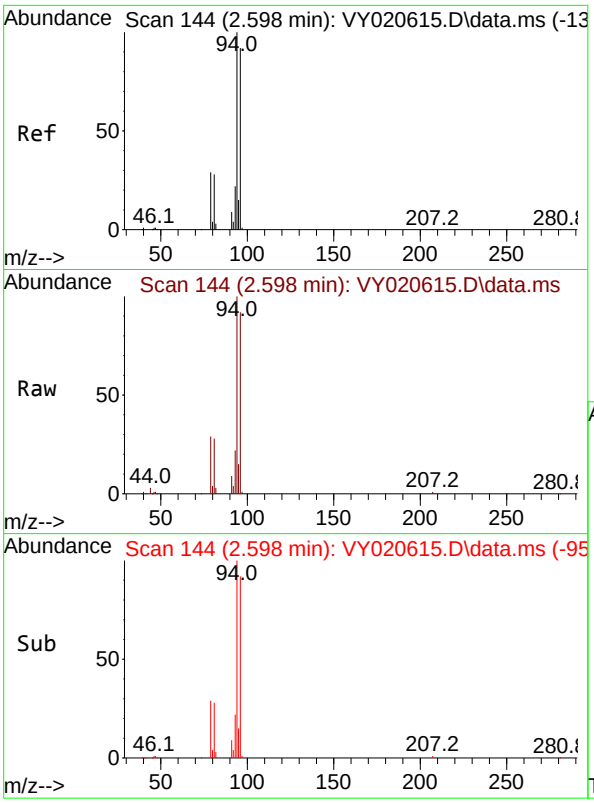


#4
Vinyl Chloride
Concen: 43.031 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 62 Resp: 62750

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.3	37.9



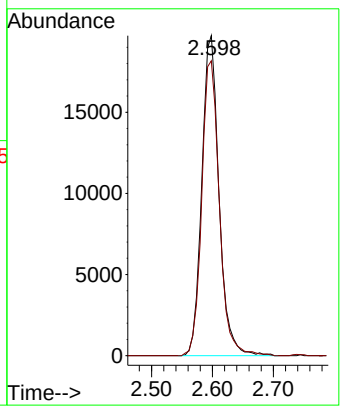


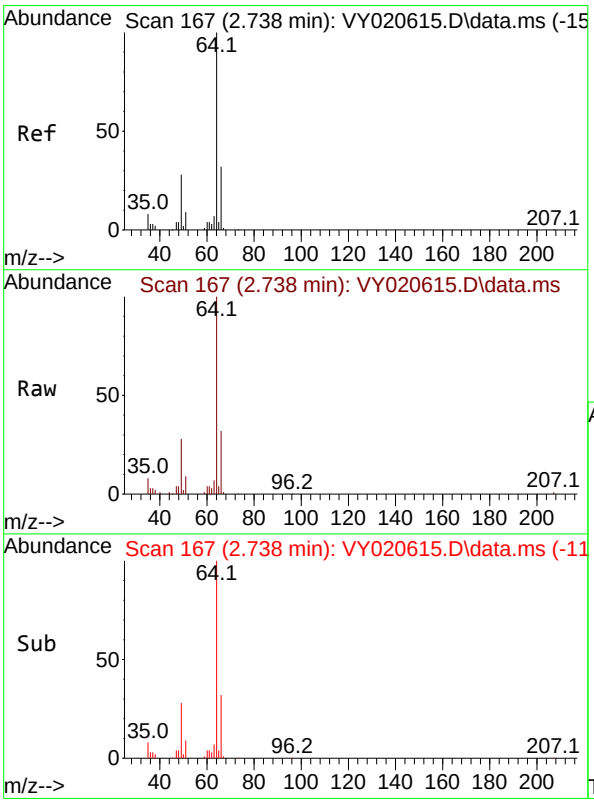
#5
Bromomethane
Concen: 41.303 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 38716

Ion	Ratio	Lower	Upper
94	100		
96	92.2	73.8	110.6

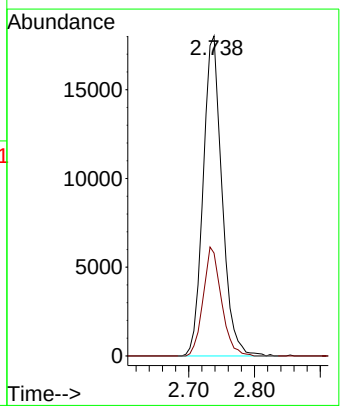


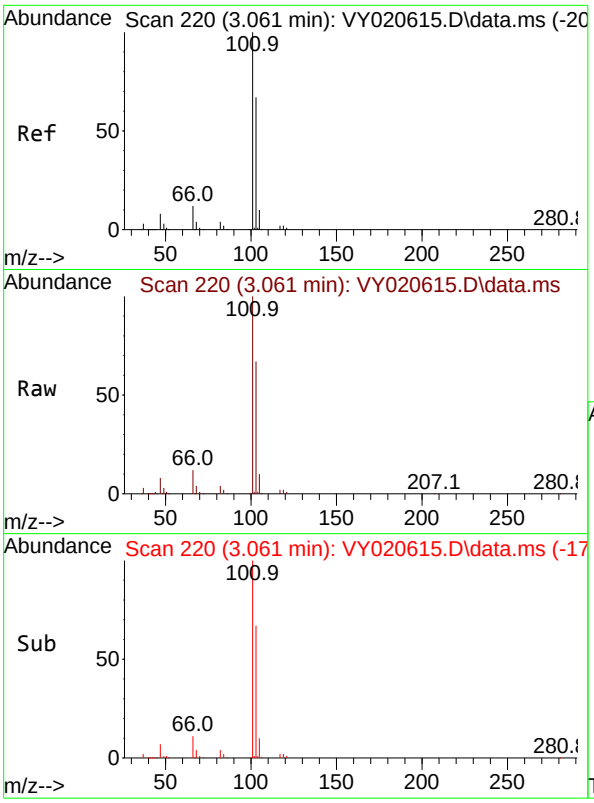


#6
Chloroethane
Concen: 39.890 ug/l
RT: 2.738 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 64 Resp: 35946

Ion	Ratio	Lower	Upper
64	100		
66	32.2	25.8	38.6



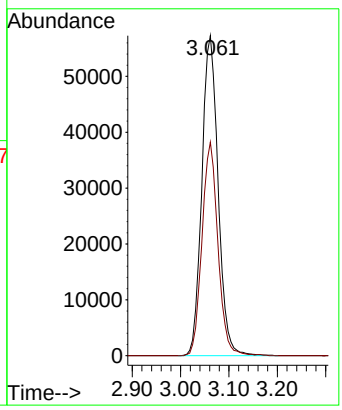


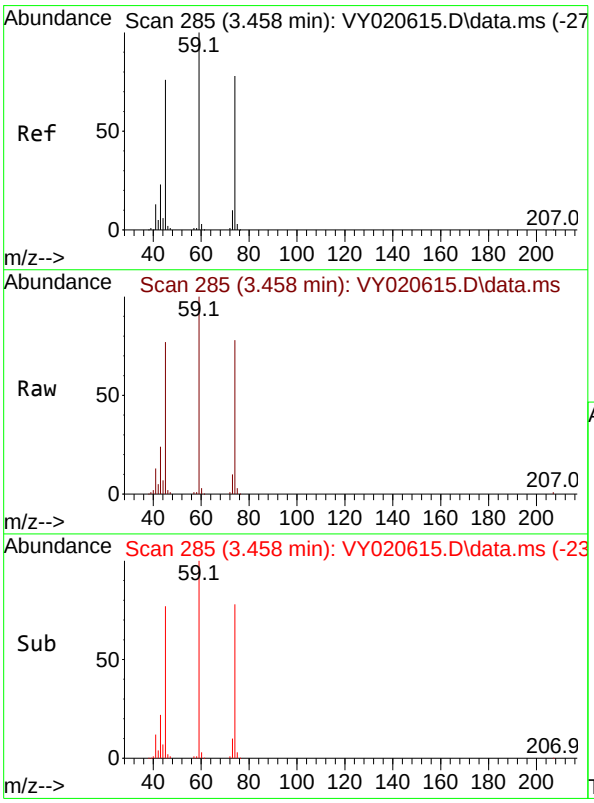
#7
Trichlorofluoromethane
Concen: 43.913 ug/l
RT: 3.061 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 133990

Ion	Ratio	Lower	Upper
101	100		
103	66.7	53.4	80.0

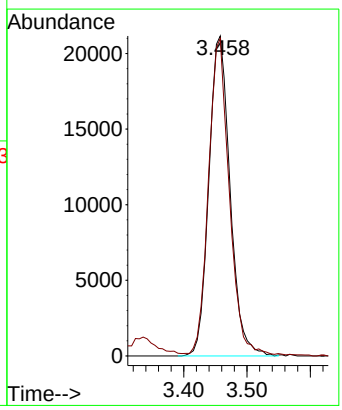


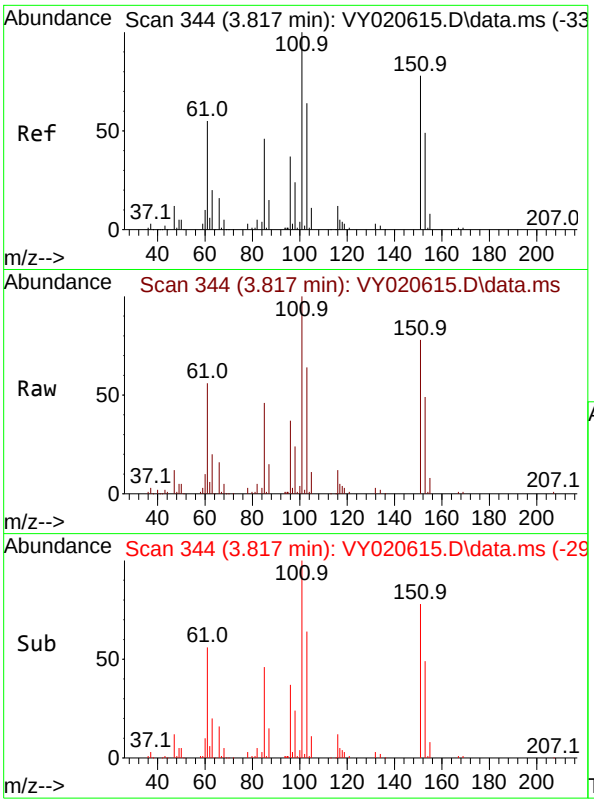


#8
Diethyl Ether
Concen: 45.993 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 74 Resp: 49218

Ion	Ratio	Lower	Upper
74	100		
45	98.1	49.0	147.2



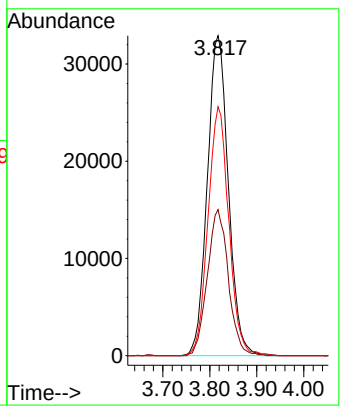


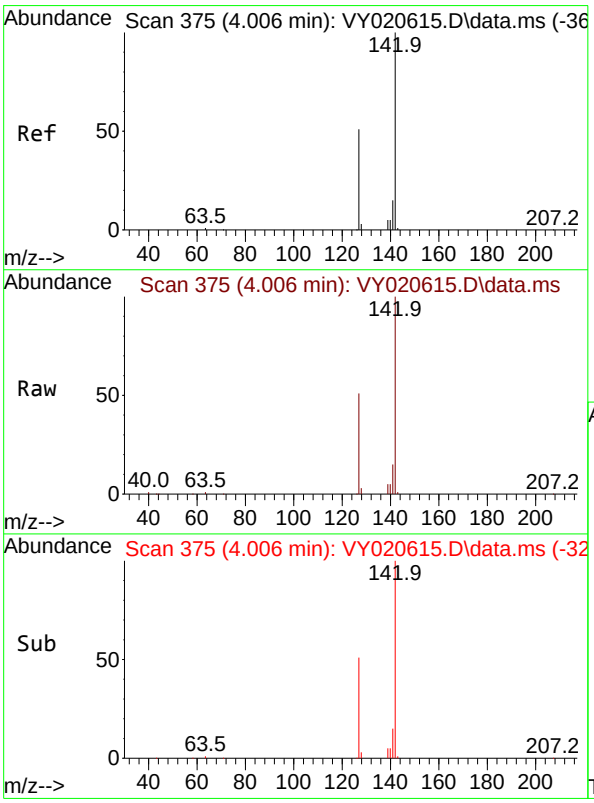
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.710 ug/l
RT: 3.817 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 102158

Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.6	54.8
151	76.9	61.5	92.3

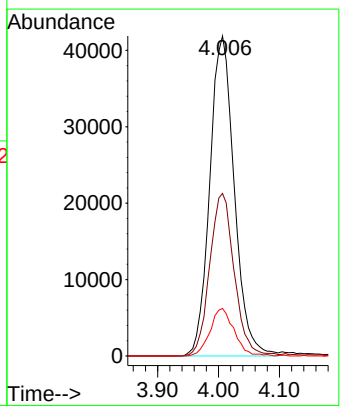


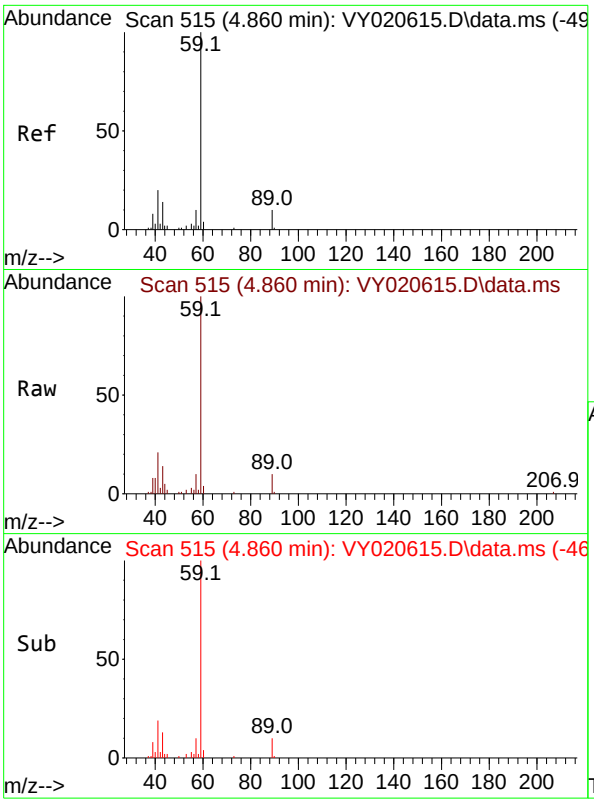


#10
Methyl Iodide
Concen: 48.135 ug/l
RT: 4.006 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:142 Resp: 117209

Ion	Ratio	Lower	Upper
142	100		
127	50.8	40.6	61.0
141	14.6	11.7	17.5



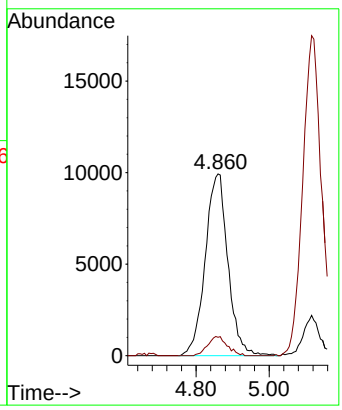


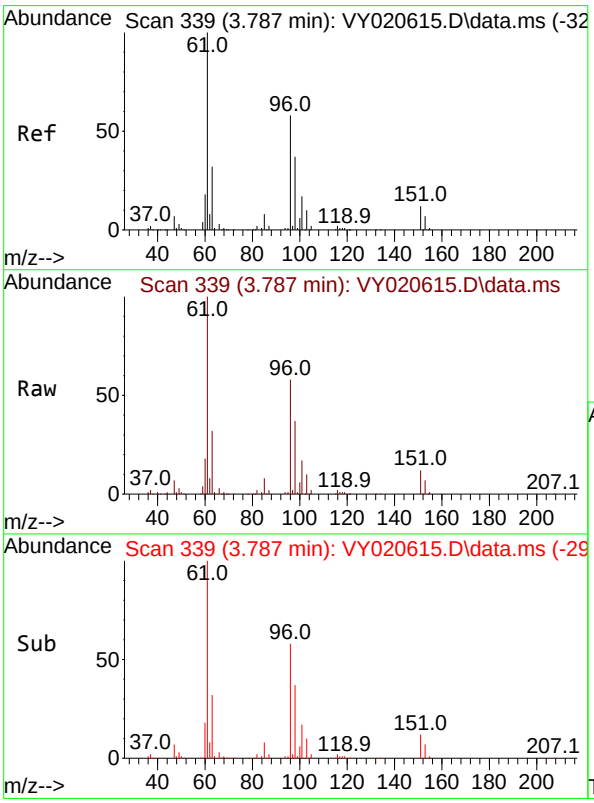
#11
Tert butyl alcohol
Concen: 214.068 ug/l
RT: 4.860 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 42756

Ion	Ratio	Lower	Upper
59	100		
57	9.2	7.4	11.0

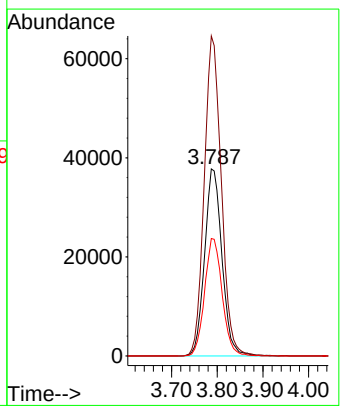


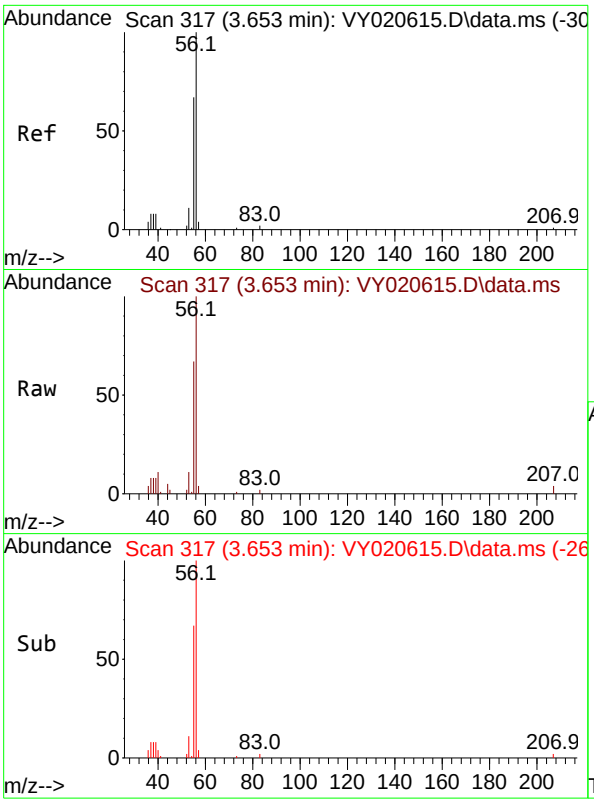


#12
1,1-Dichloroethene
Concen: 47.016 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 96 Resp: 99773

Ion	Ratio	Lower	Upper
96	100		
61	171.1	136.9	205.3
98	62.8	50.2	75.4



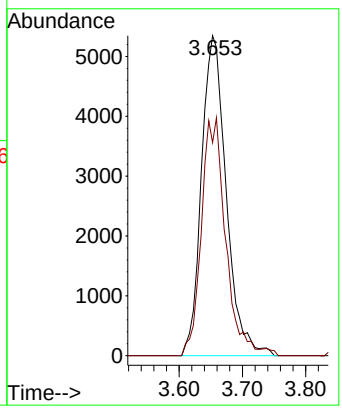


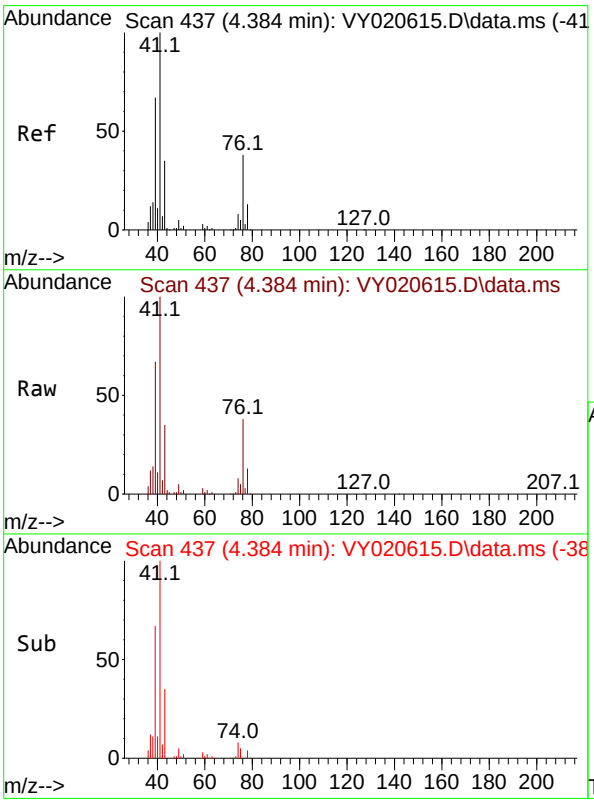
#13
Acrolein
Concen: 166.258 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 14576

Ion	Ratio	Lower	Upper
56	100		
55	71.9	57.5	86.3

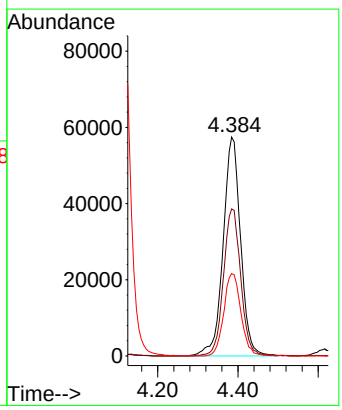


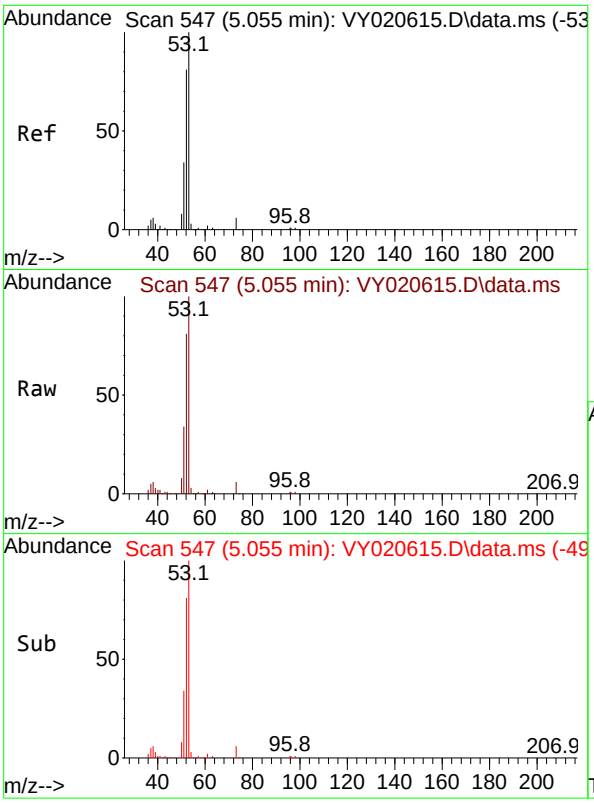


#14
Allyl chloride
Concen: 46.780 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 41 Resp: 173951

Ion	Ratio	Lower	Upper
41	100		
39	66.2	53.0	79.4
76	36.9	29.5	44.3



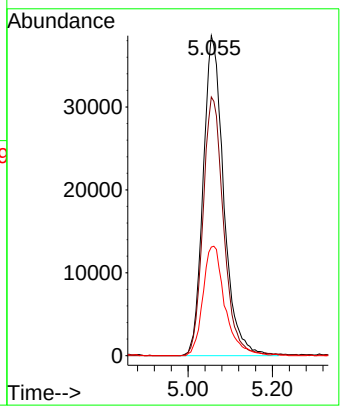


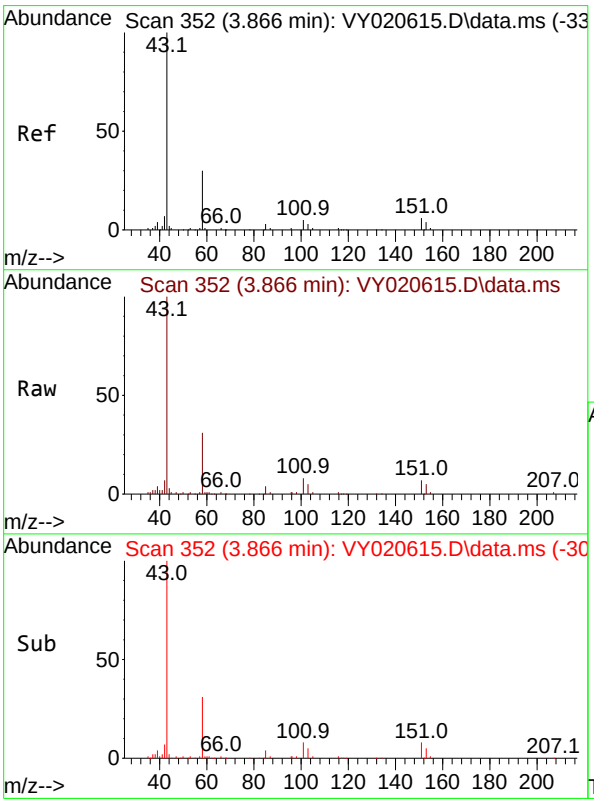
#15
Acrylonitrile
Concen: 255.615 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 130861

Ion	Ratio	Lower	Upper
53	100		
52	80.6	64.5	96.7
51	36.7	29.4	44.0

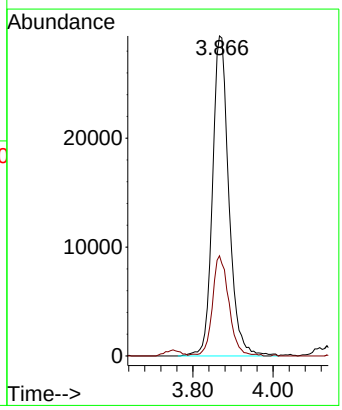


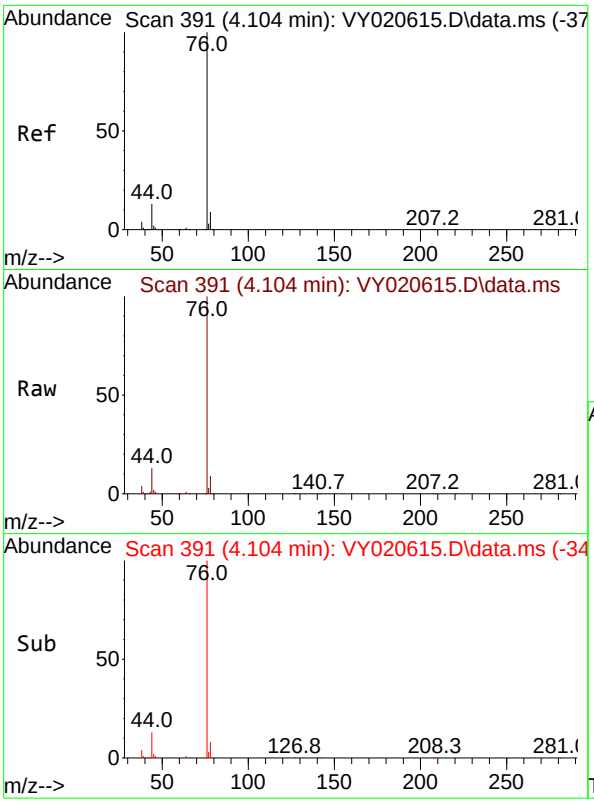


#16
Acetone
Concen: 225.255 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 43 Resp: 83206

Ion	Ratio	Lower	Upper
43	100		
58	31.3	25.0	37.6



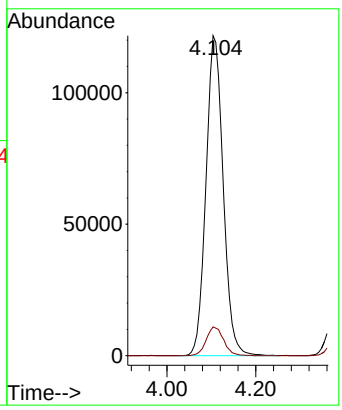


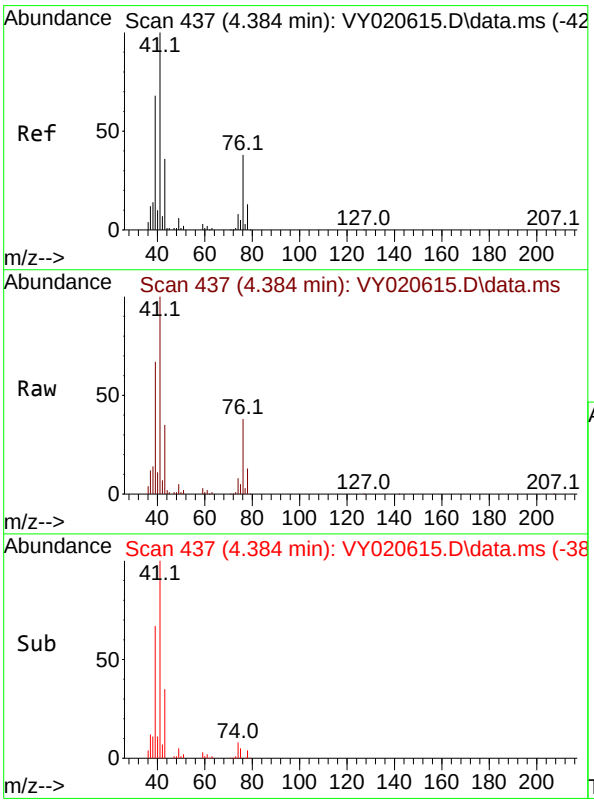
#17
Carbon Disulfide
Concen: 47.529 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 328309

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

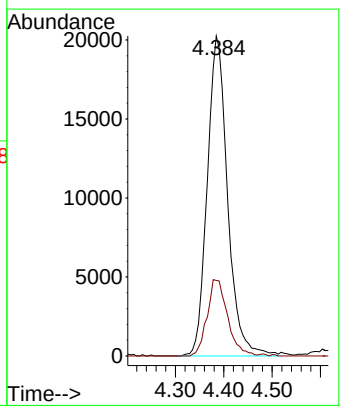


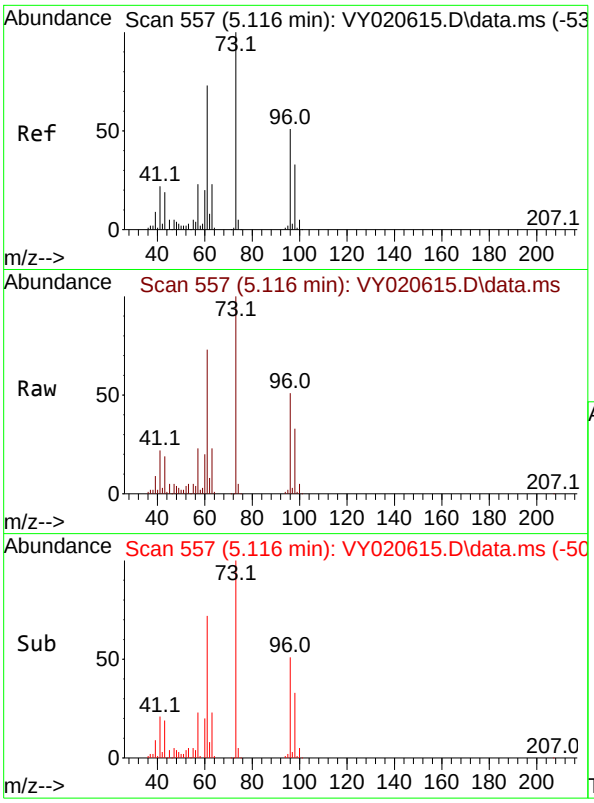


#18
Methyl Acetate
Concen: 46.948 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 43 Resp: 59224

Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.2	28.8



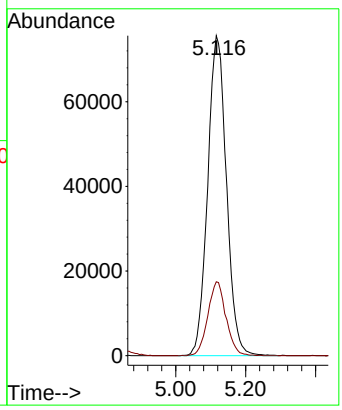


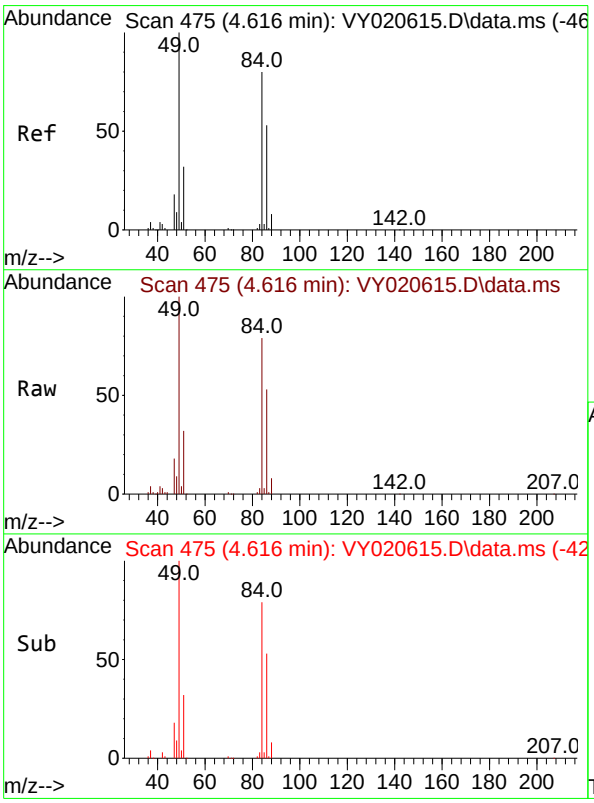
#19
Methyl tert-butyl Ether
Concen: 51.414 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 281609

Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.5	27.7

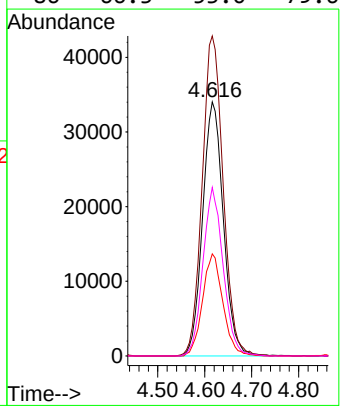


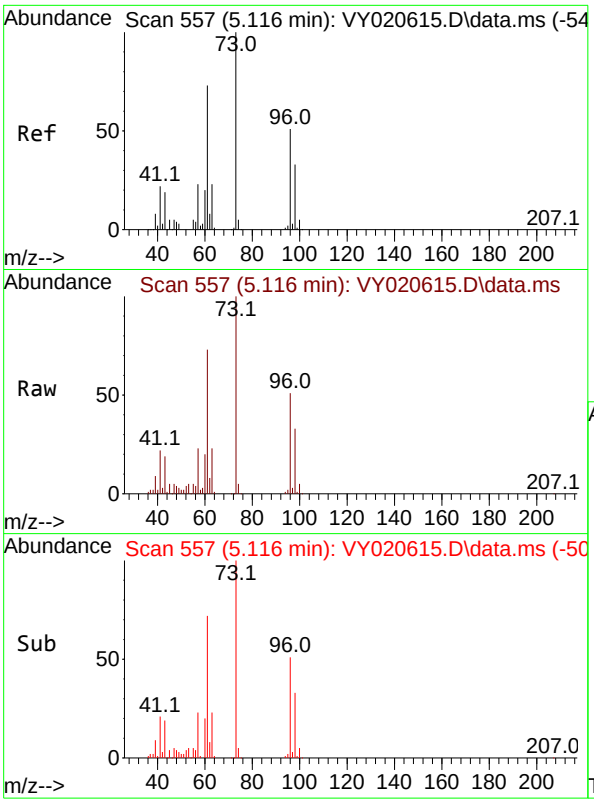


#20
Methylene Chloride
Concen: 45.319 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 84 Resp: 104472

Ion	Ratio	Lower	Upper
84	100		
49	125.9	100.7	151.1
51	40.2	32.2	48.2
86	66.3	53.0	79.6



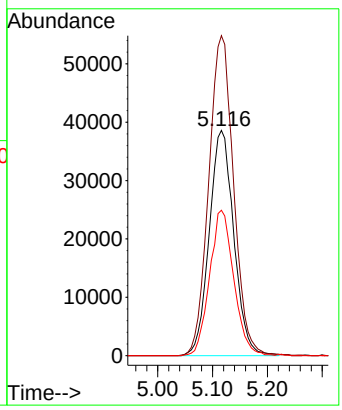


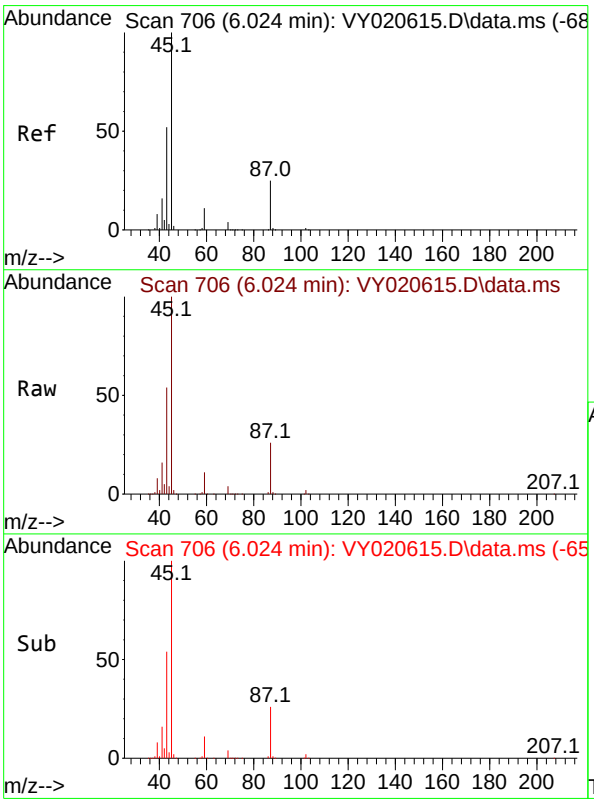
#21
trans-1,2-Dichloroethene
Concen: 50.488 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 120184

Ion	Ratio	Lower	Upper
96	100		
61	142.1	113.7	170.5
98	64.6	51.7	77.5

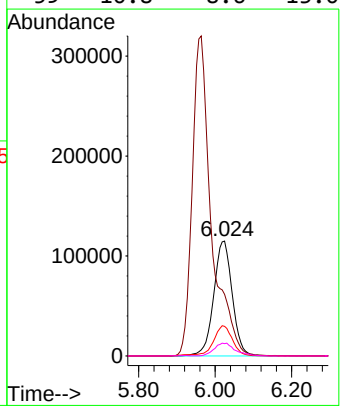


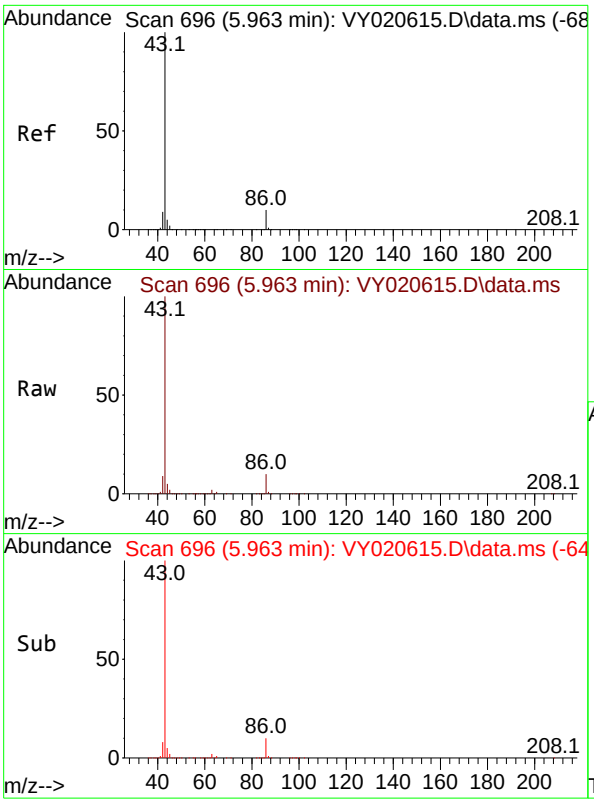


#22
Diisopropyl ether
Concen: 51.282 ug/l
RT: 6.024 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 45 Resp: 387073

Ion	Ratio	Lower	Upper
45	100		
43	53.3	42.6	64.0
87	25.8	20.6	31.0
59	10.8	8.6	13.0



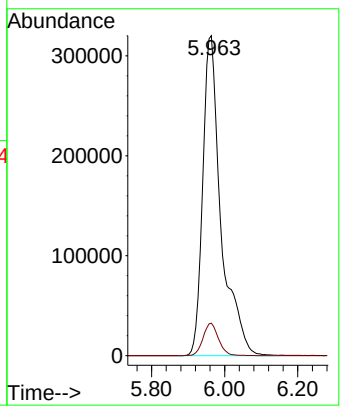


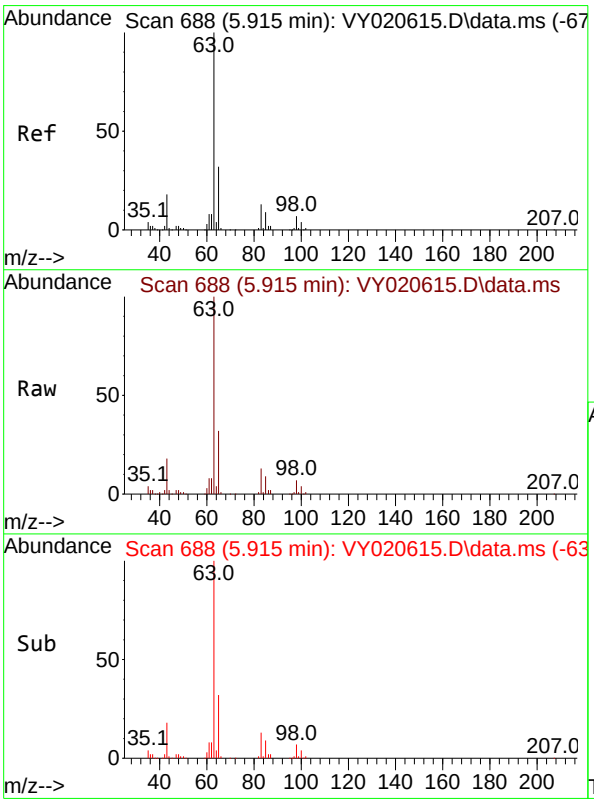
#23
Vinyl Acetate
Concen: 260.208 ug/l
RT: 5.963 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1112368

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1

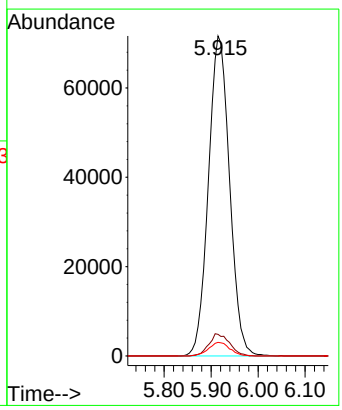


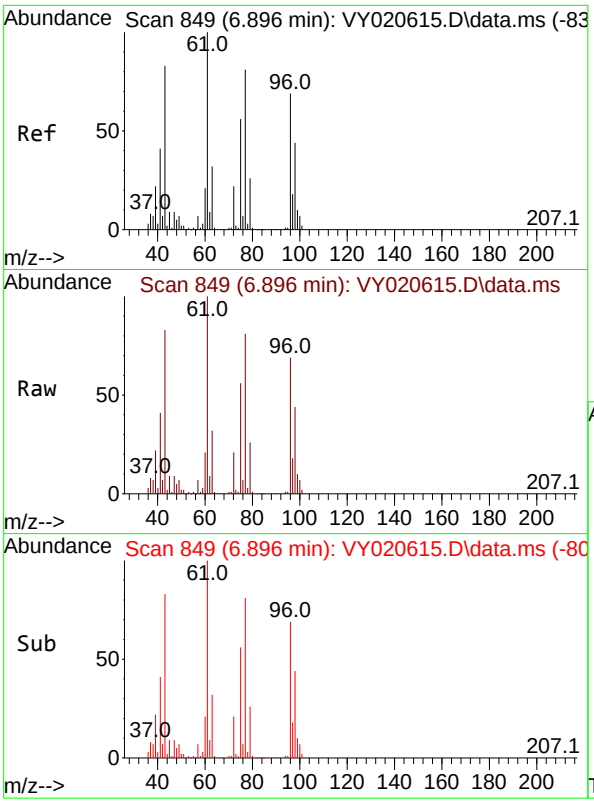


#24
1,1-Dichloroethane
Concen: 50.635 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 63 Resp: 223898

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.1
100	4.3	2.1	6.5



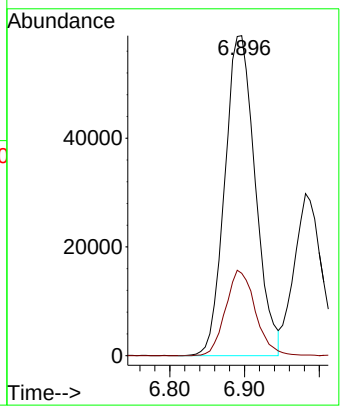


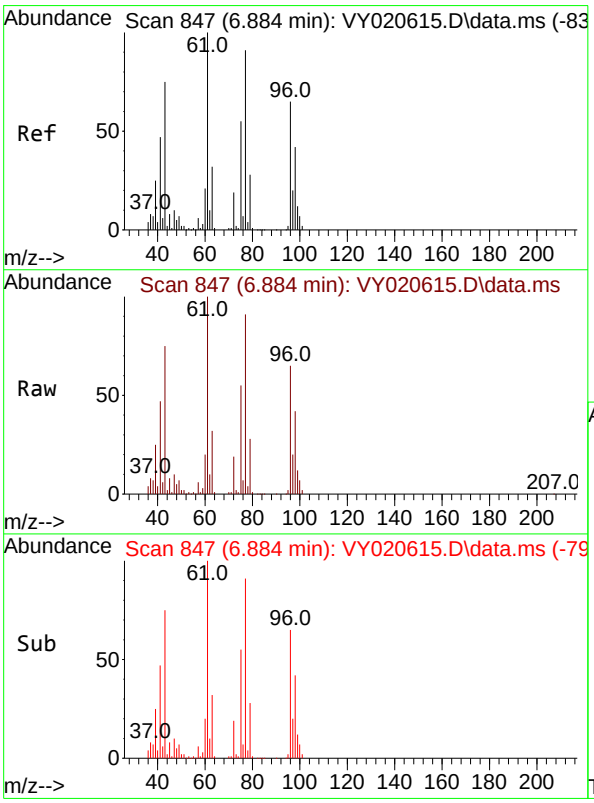
#25
2-Butanone
Concen: 242.593 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 167158

Ion	Ratio	Lower	Upper
43	100		
72	25.8	20.6	31.0

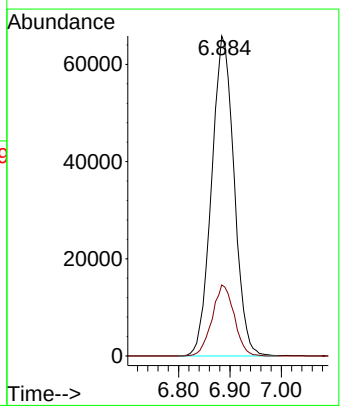


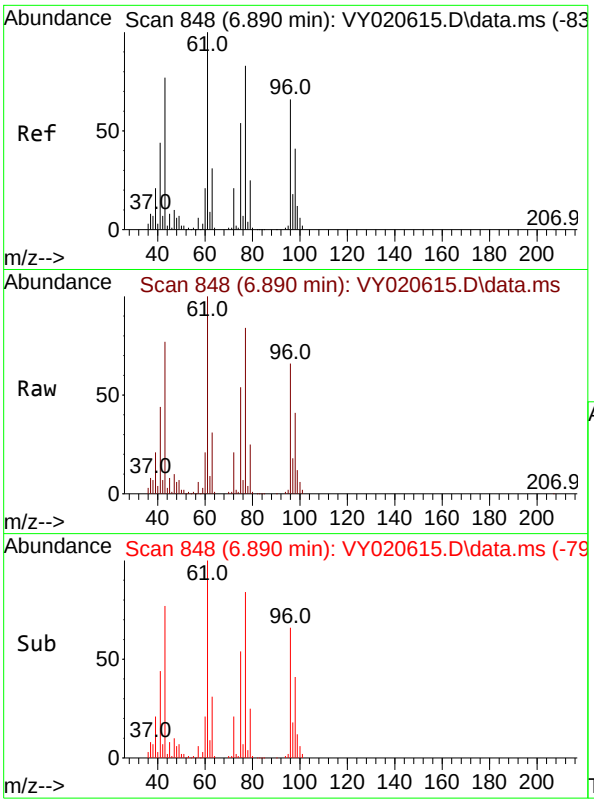


#26
2,2-Dichloropropane
Concen: 47.951 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 77 Resp: 200438

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.9	32.6



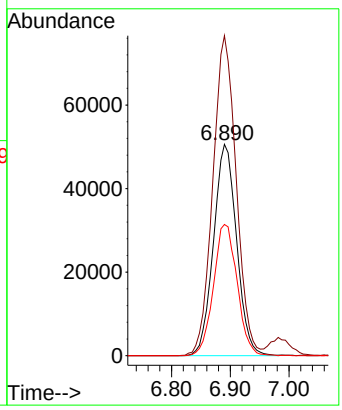


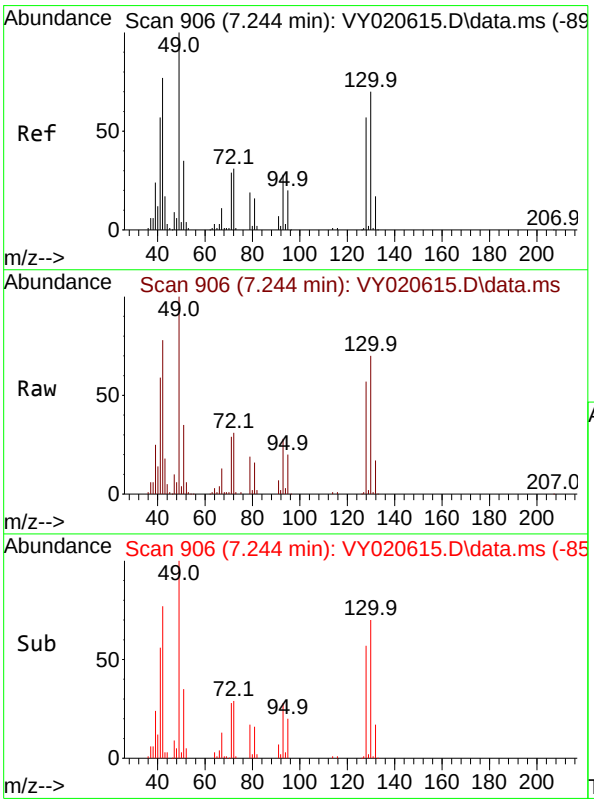
#27
cis-1,2-Dichloroethene
Concen: 50.490 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 138280

Ion	Ratio	Lower	Upper
96	100		
61	153.1	0.0	306.2
98	63.6	0.0	127.2

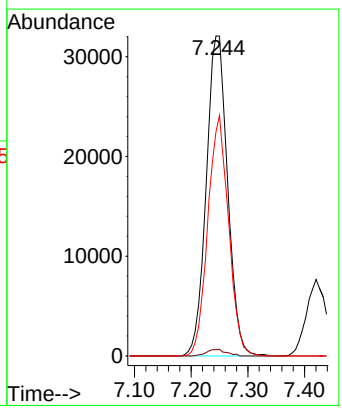


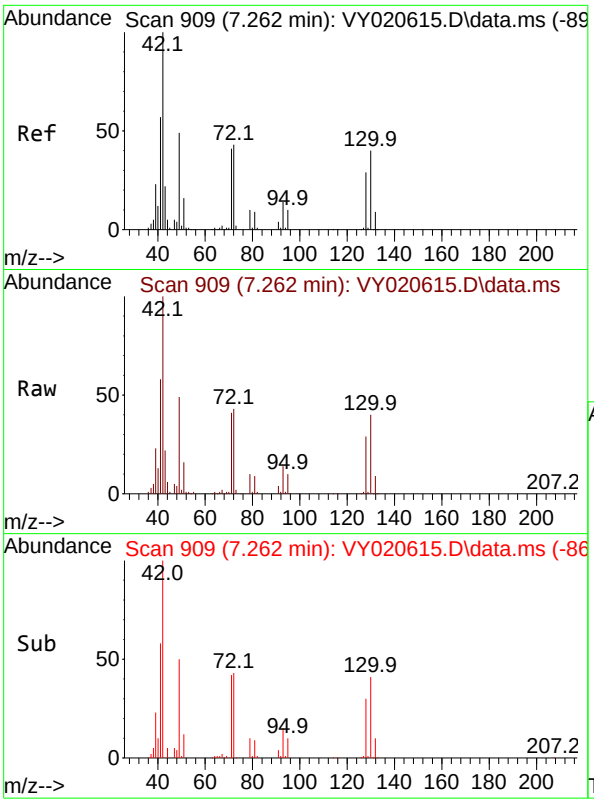


#28
Bromochloromethane
Concen: 56.199 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 49 Resp: 83821

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	72.9	58.3	87.5



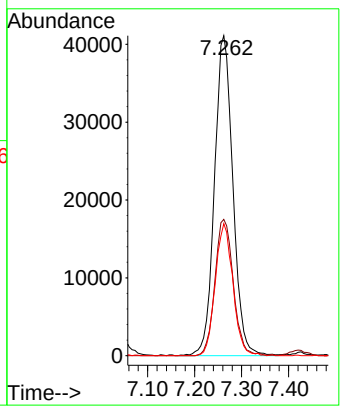


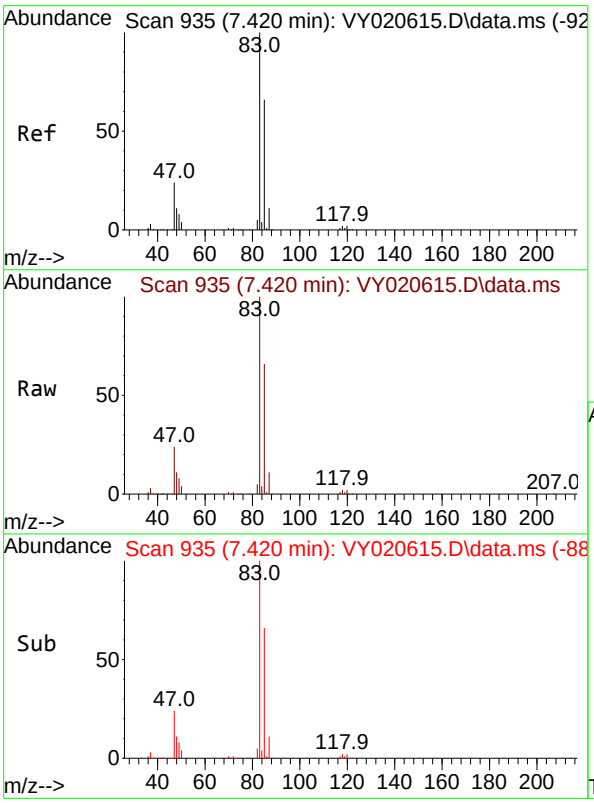
#29
Tetrahydrofuran
Concen: 258.011 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 112230

Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.0	51.0
71	39.5	31.6	47.4

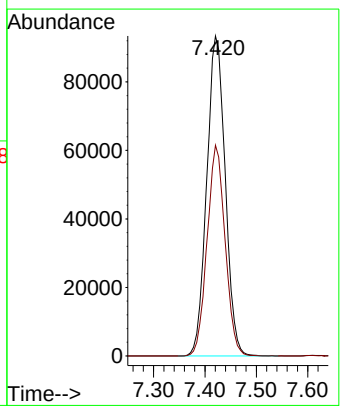


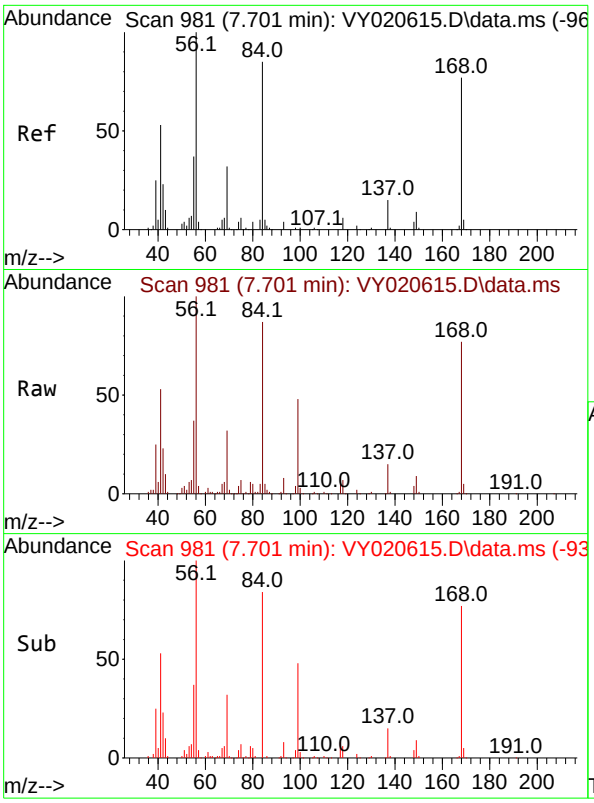


#30
Chloroform
Concen: 52.860 ug/l
RT: 7.420 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 83 Resp: 233357

Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.7	79.1



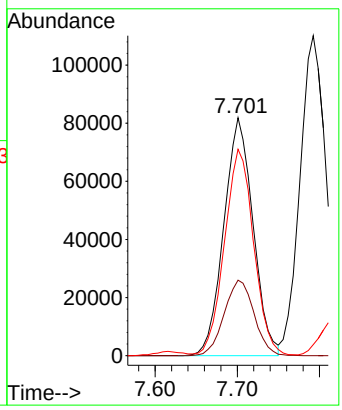


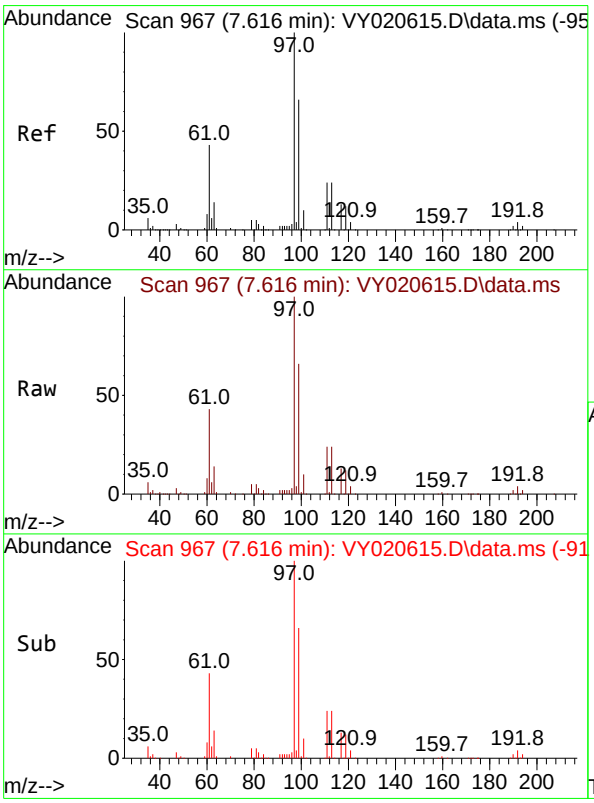
#31
Cyclohexane
Concen: 47.962 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 202782

Ion	Ratio	Lower	Upper
56	100		
69	31.7	25.4	38.0
84	85.4	68.3	102.5

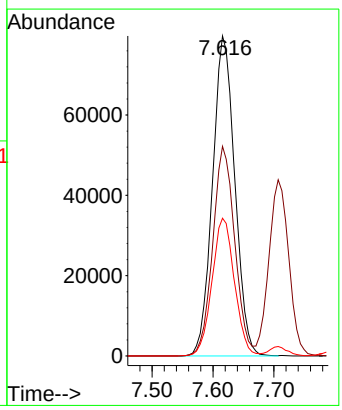


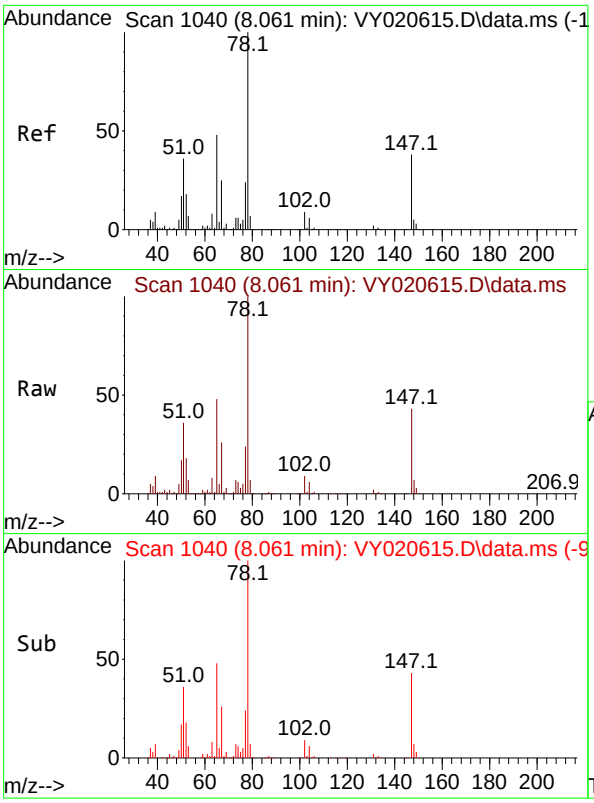


#32
1,1,1-Trichloroethane
Concen: 49.911 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 97 Resp: 202760

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	43.4	34.7	52.1



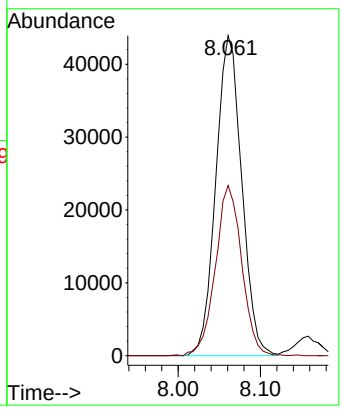


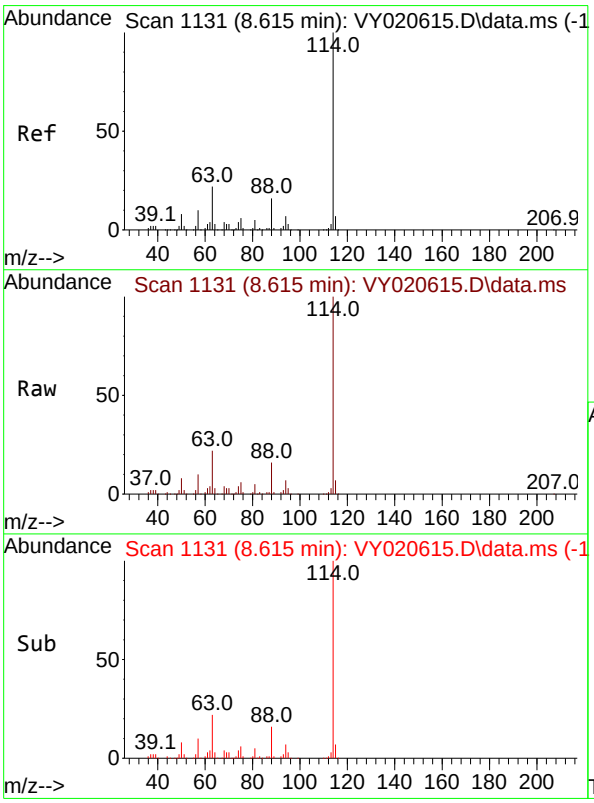
#33
1,2-Dichloroethane-d4
Concen: 51.933 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 96289

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	108.0

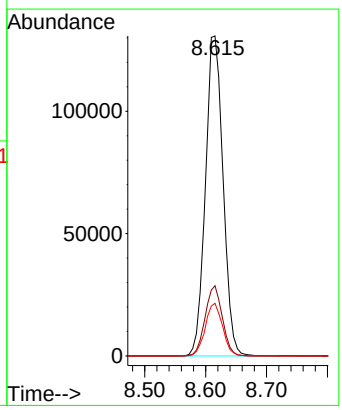


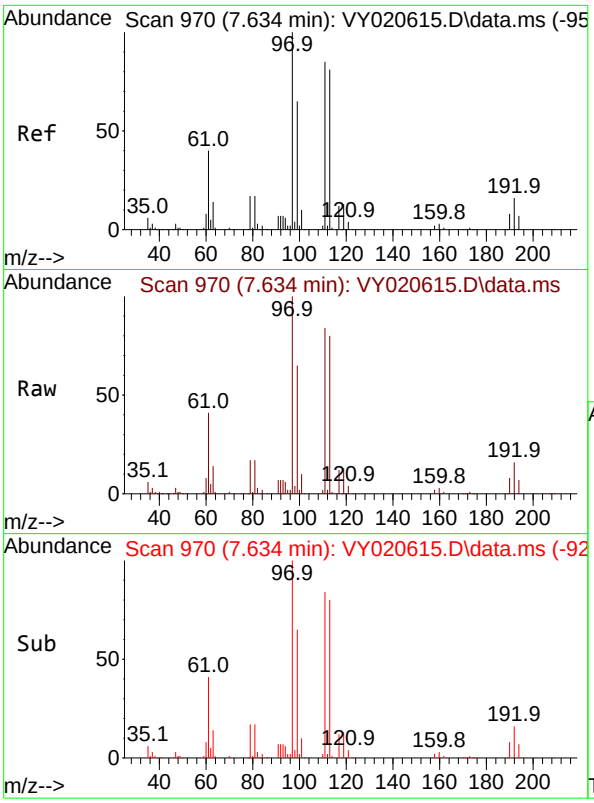


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:114 Resp: 263162

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	16.4	0.0	32.8



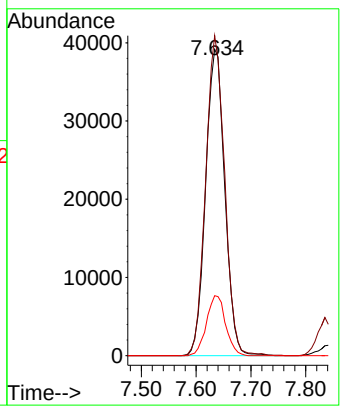


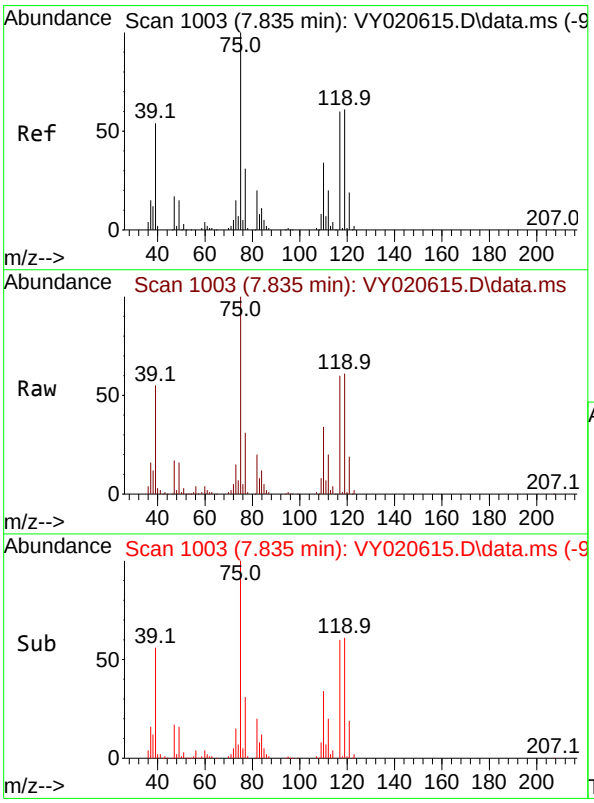
#35
Dibromofluoromethane
Concen: 51.139 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 94848

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.9	124.3
192	19.6	15.7	23.5

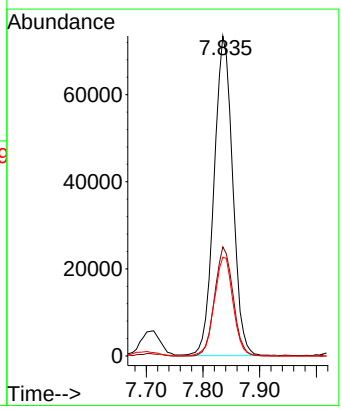


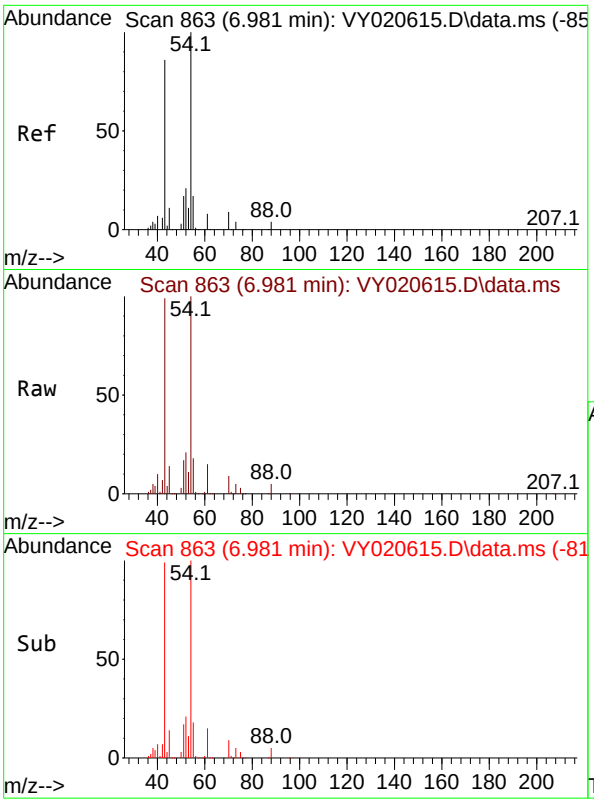


#36
1,1-Dichloropropene
Concen: 49.533 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 75 Resp: 167520

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.8	50.4
77	31.3	25.0	37.6



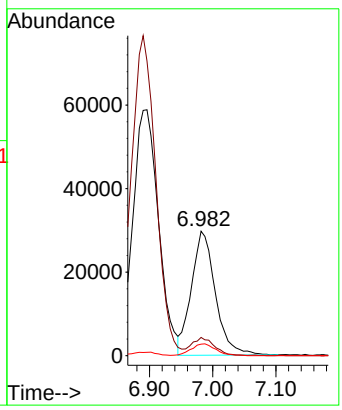


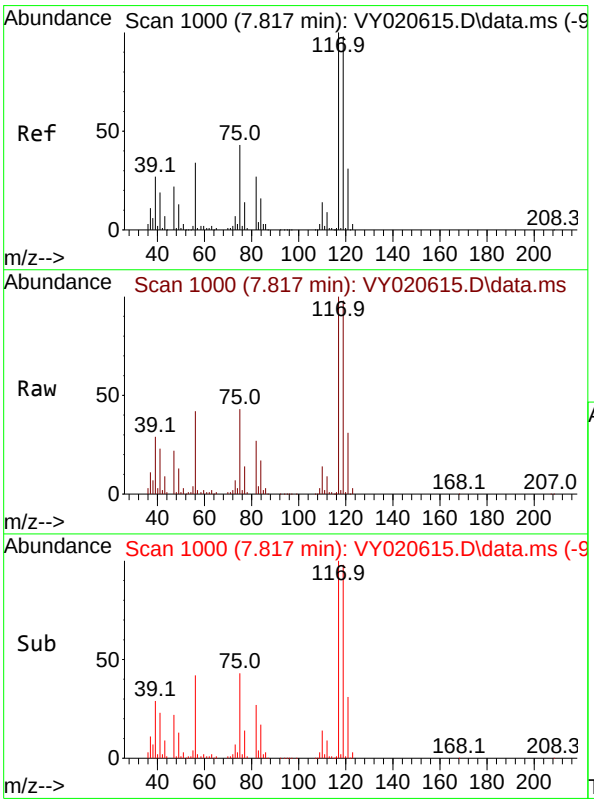
#37
Ethyl Acetate
Concen: 49.275 ug/l
RT: 6.981 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 78387

Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	9.9	7.9	11.9

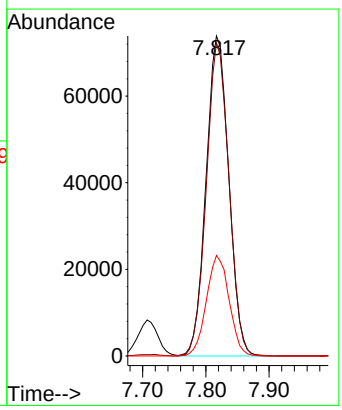


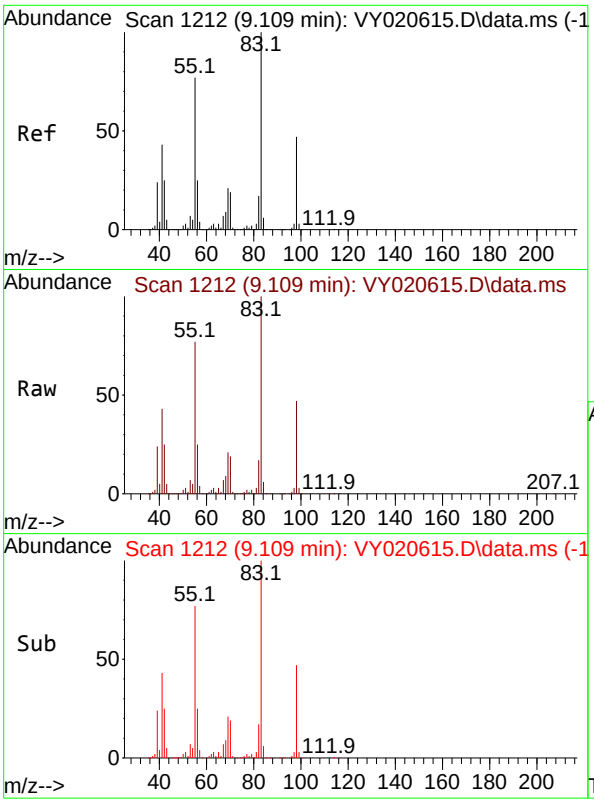


#38
Carbon Tetrachloride
Concen: 49.267 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:117 Resp: 184345

Ion	Ratio	Lower	Upper
117	100		
119	97.9	78.3	117.5
121	31.4	25.1	37.7



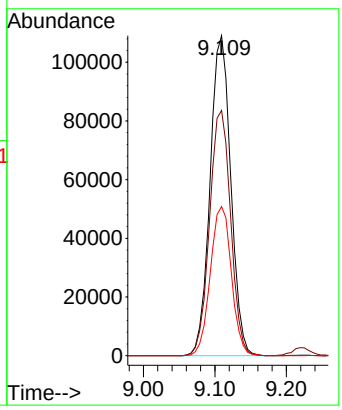


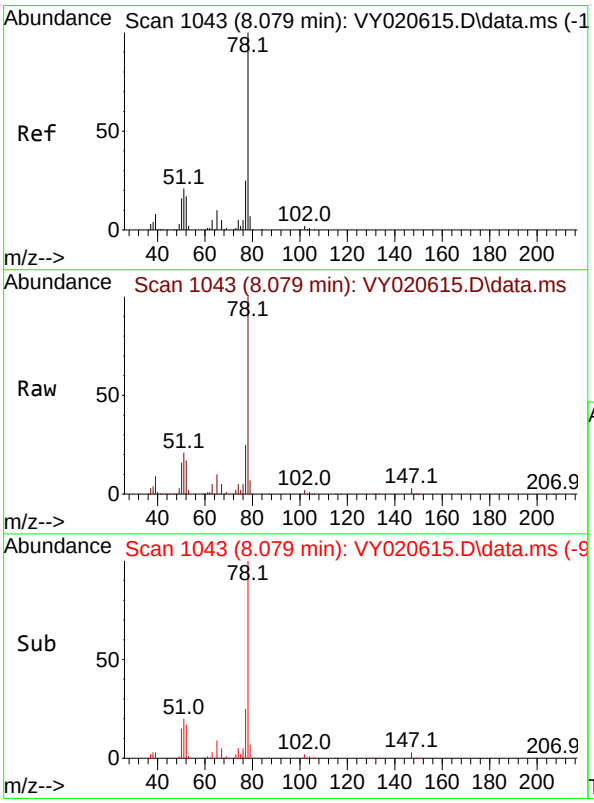
#39
Methylcyclohexane
Concen: 49.696 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 219055

Ion	Ratio	Lower	Upper
83	100		
55	76.7	61.4	92.0
98	46.6	37.3	55.9

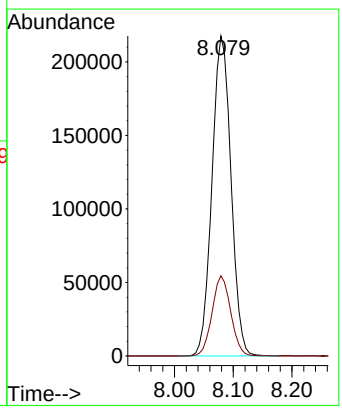


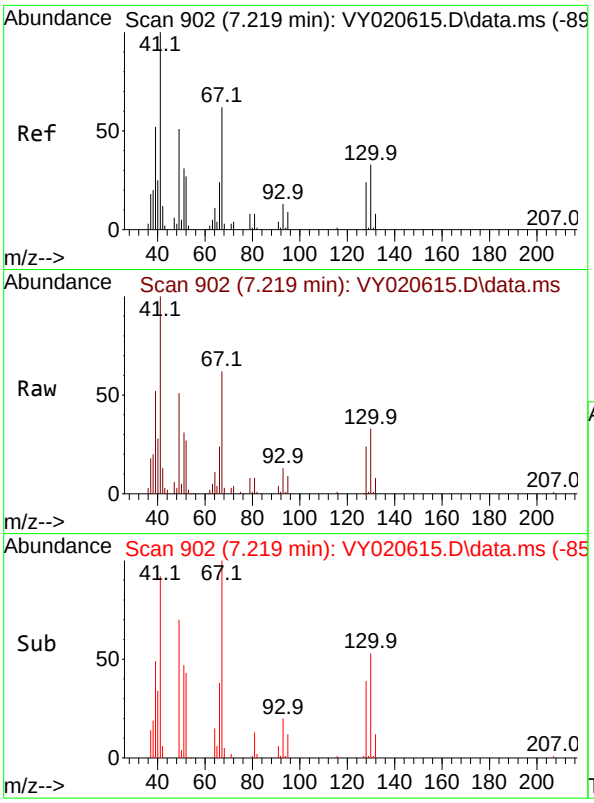


#40
Benzene
Concen: 49.343 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 78 Resp: 489140

Ion	Ratio	Lower	Upper
78	100		
77	25.1	20.1	30.1



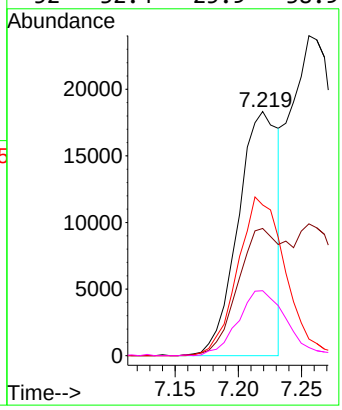


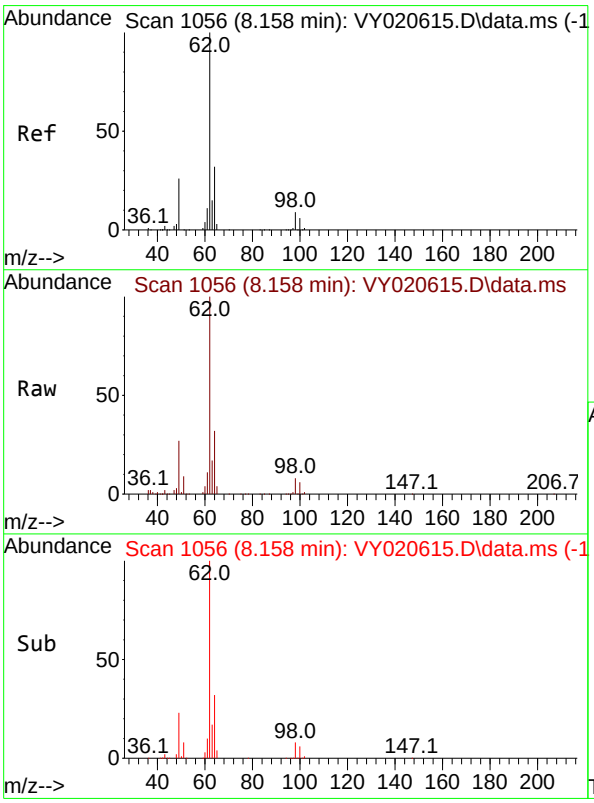
#41
Methacrylonitrile
Concen: 48.191 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 40529

Ion	Ratio	Lower	Upper
41	100		
39	67.0	53.6	80.4
67	77.5	62.0	93.0
52	32.4	25.9	38.9

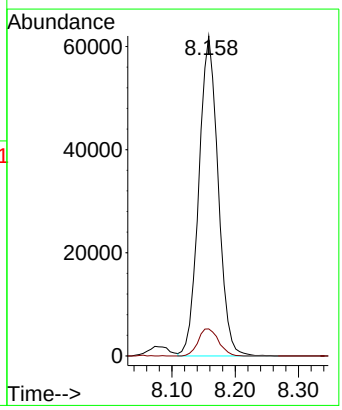


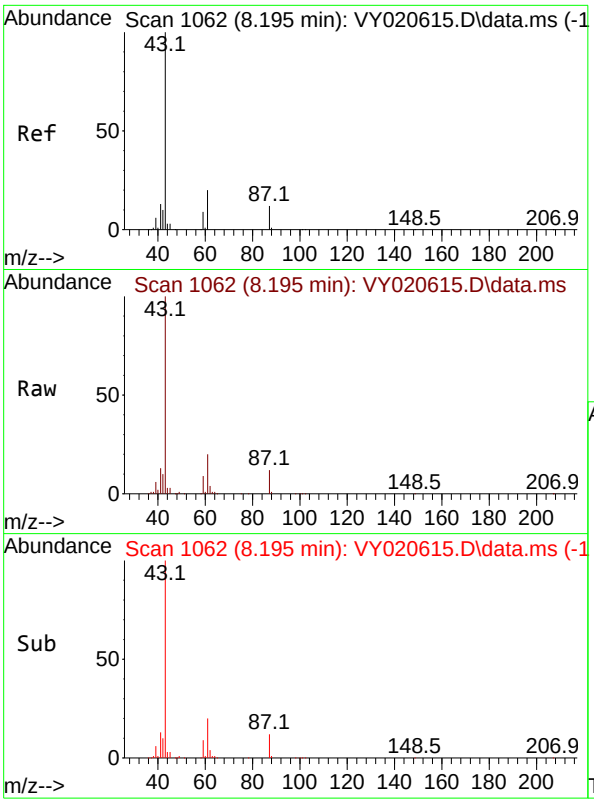


#42
1,2-Dichloroethane
Concen: 50.069 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 62 Resp: 131640

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.0



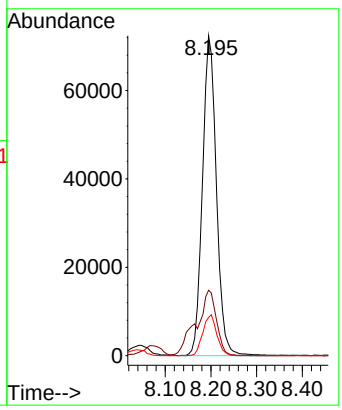


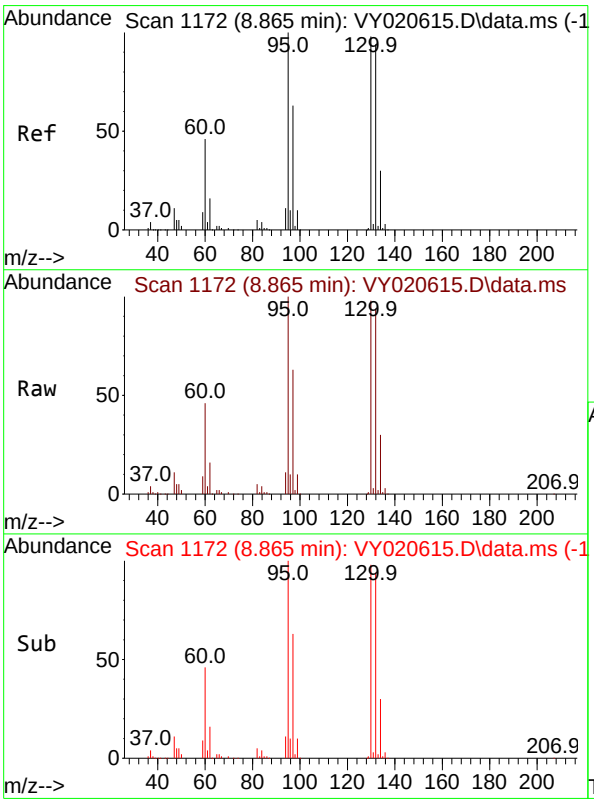
#43
Isopropyl Acetate
Concen: 50.877 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 153226

Ion	Ratio	Lower	Upper
43	100		
61	29.7	23.8	35.6
87	12.8	10.2	15.4

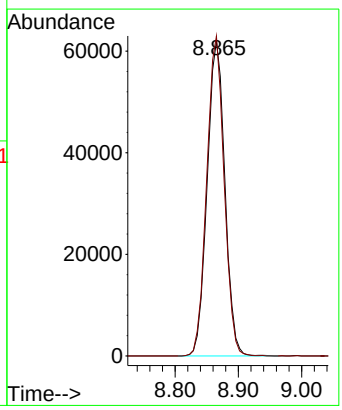


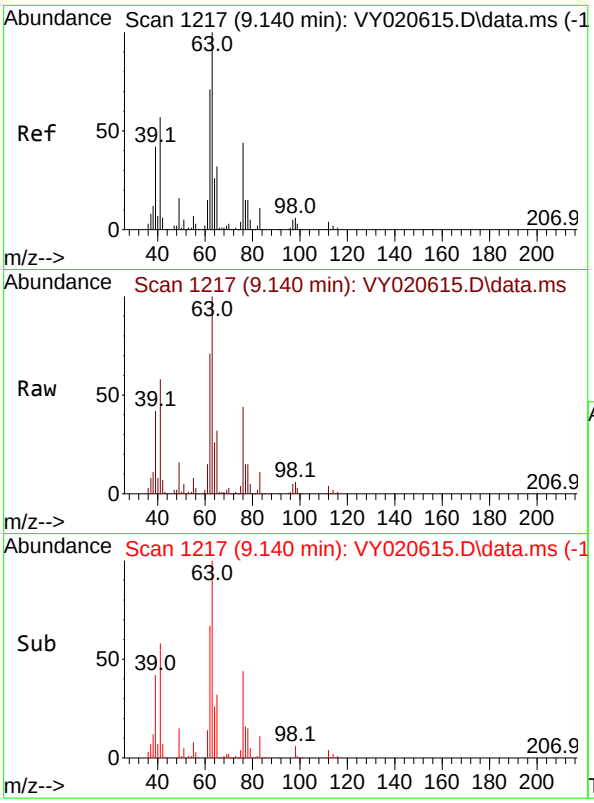


#44
Trichloroethene
Concen: 49.491 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:130 Resp: 120552

Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	203.2



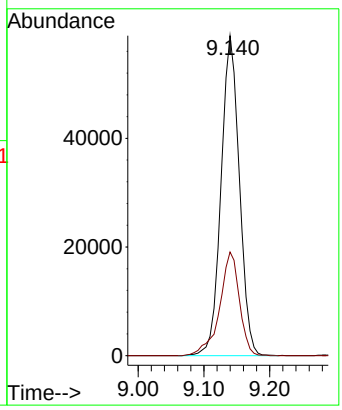


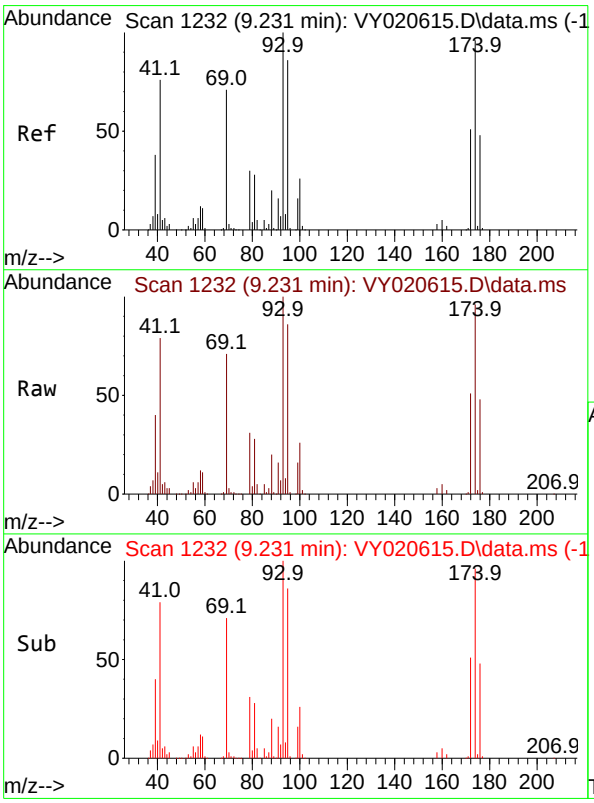
#45
1,2-Dichloropropane
Concen: 49.313 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 114250

Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.9	38.9

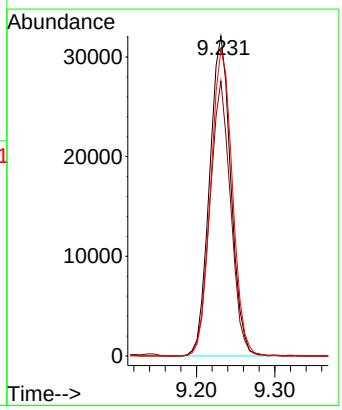


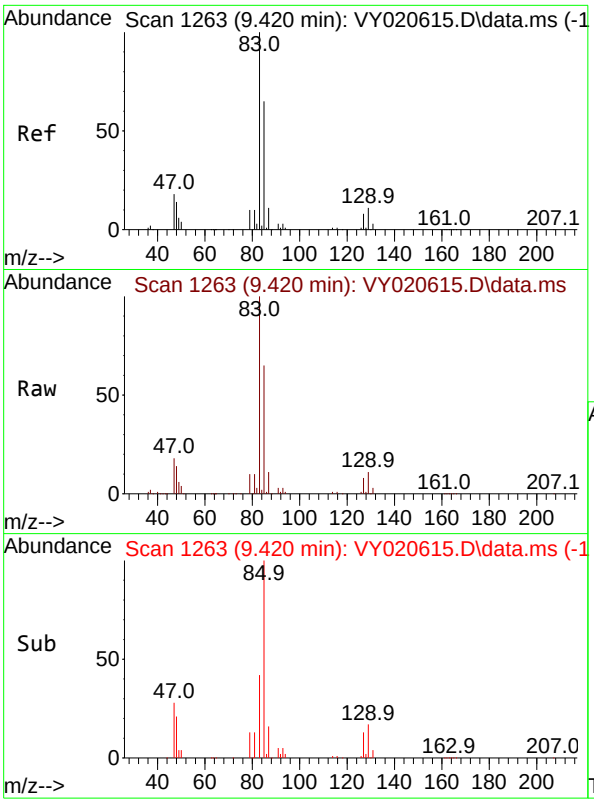


#46
Dibromomethane
Concen: 49.642 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 93 Resp: 60782

Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.7	100.1
174	97.2	77.8	116.6



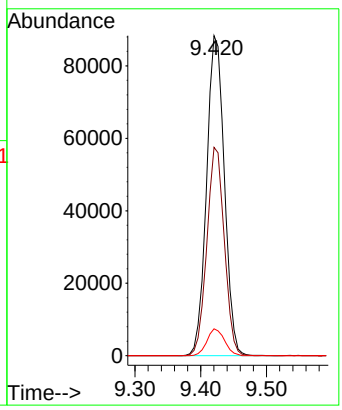


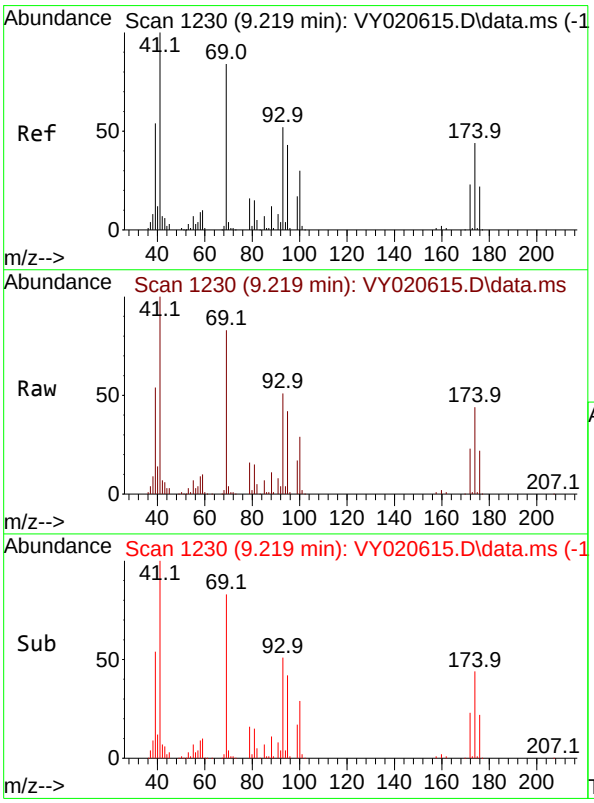
#47
Bromodichloromethane
Concen: 50.291 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 166333

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.1	78.1
127	8.4	6.7	10.1

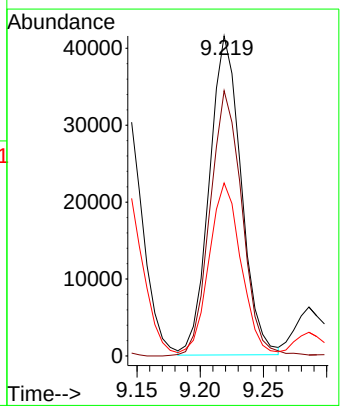


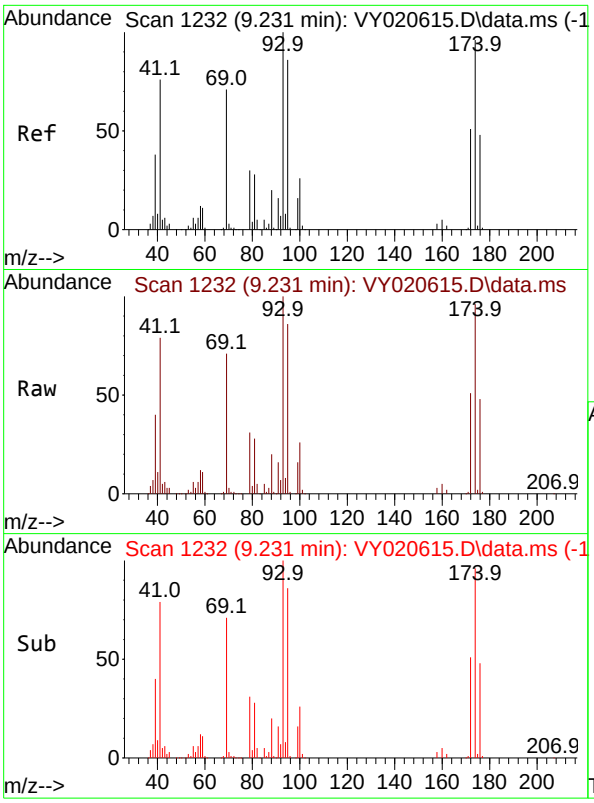


#48
Methyl methacrylate
Concen: 50.709 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 41 Resp: 72602

Ion	Ratio	Lower	Upper
41	100		
69	84.0	67.2	100.8
39	52.8	42.2	63.4



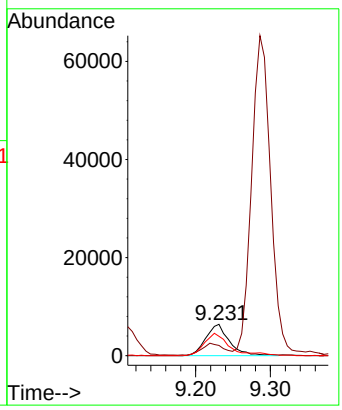


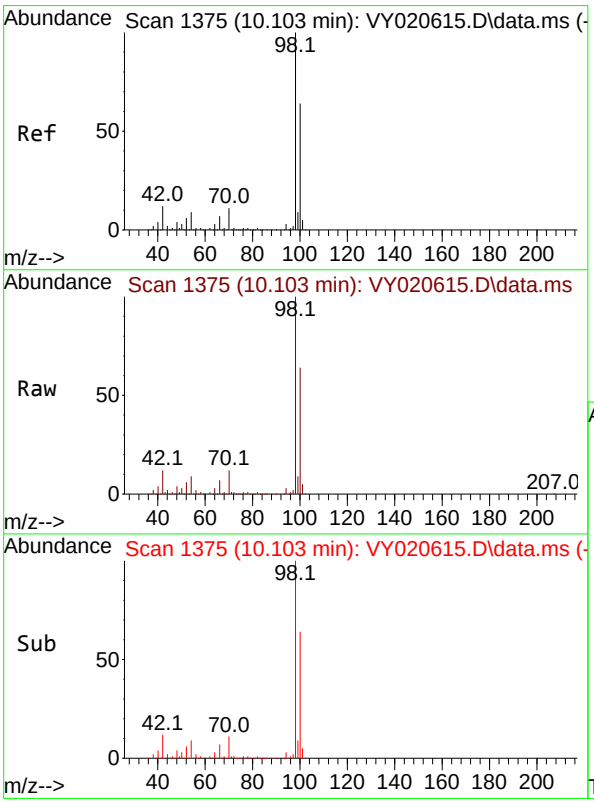
#49
1,4-Dioxane
Concen: 1001.939 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 14069

Ion	Ratio	Lower	Upper
88	100		
43	34.5	27.6	41.4
58	77.1	61.7	92.5

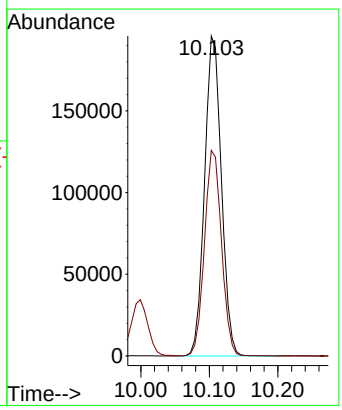


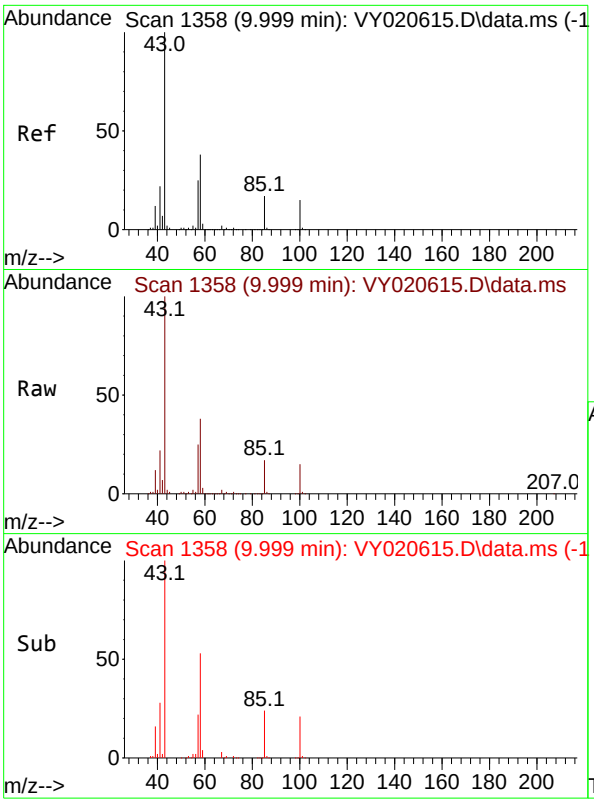


#50
Toluene-d8
Concen: 51.543 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 98 Resp: 334601

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1



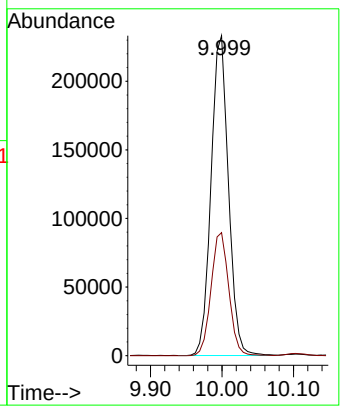


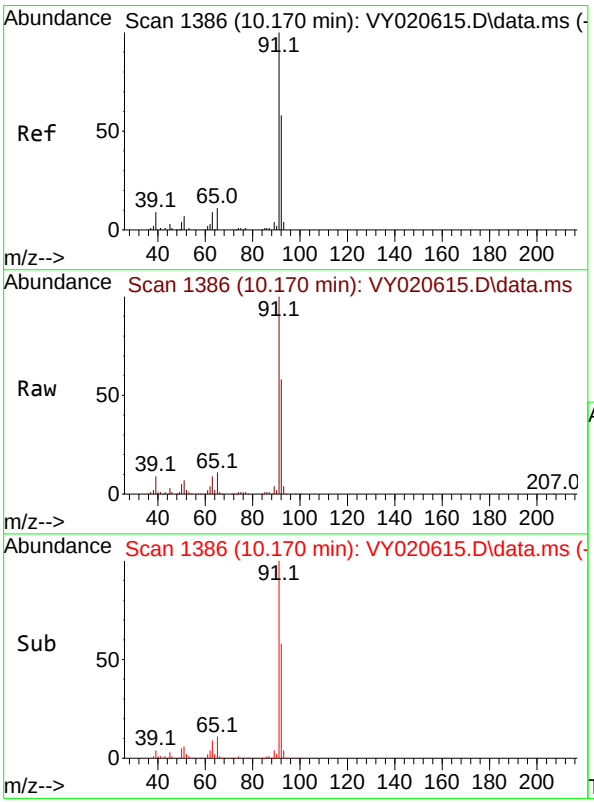
#51
4-Methyl-2-Pentanone
Concen: 247.835 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 393979

Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.4	47.2

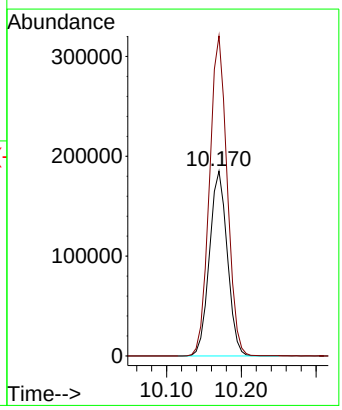


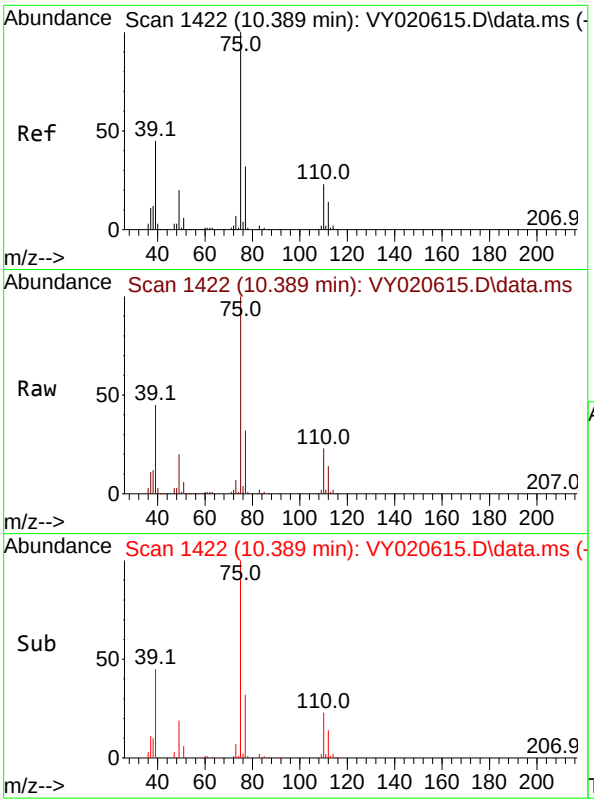


#52
Toluene
Concen: 49.846 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 92 Resp: 307082

Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.4	206.0



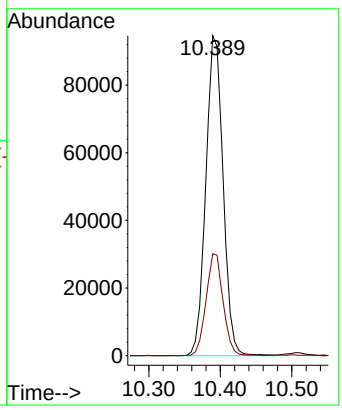


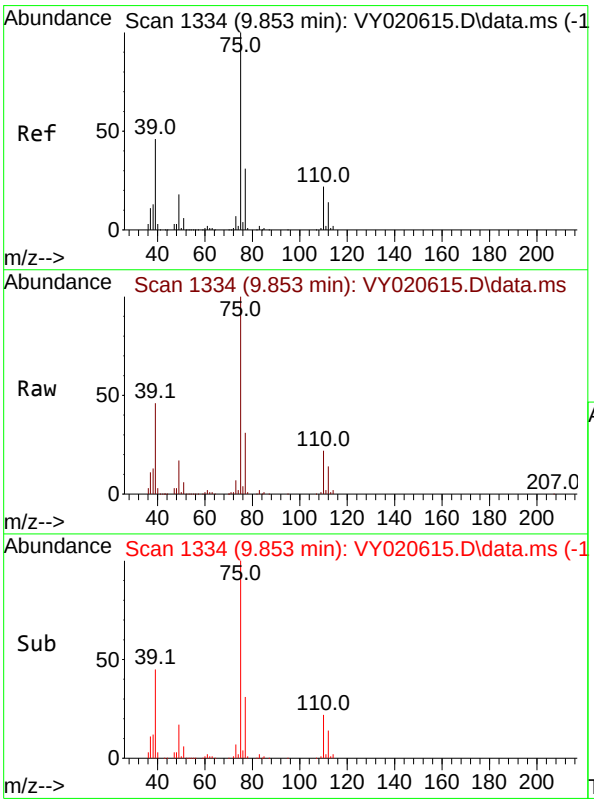
#53
t-1,3-Dichloropropene
Concen: 51.442 ug/l
RT: 10.389 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 158536

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2

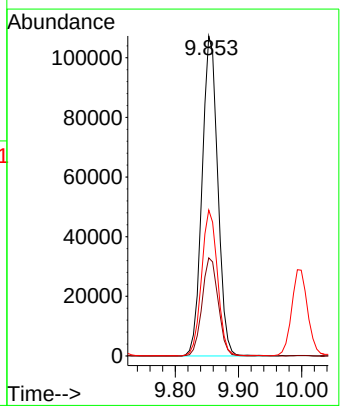


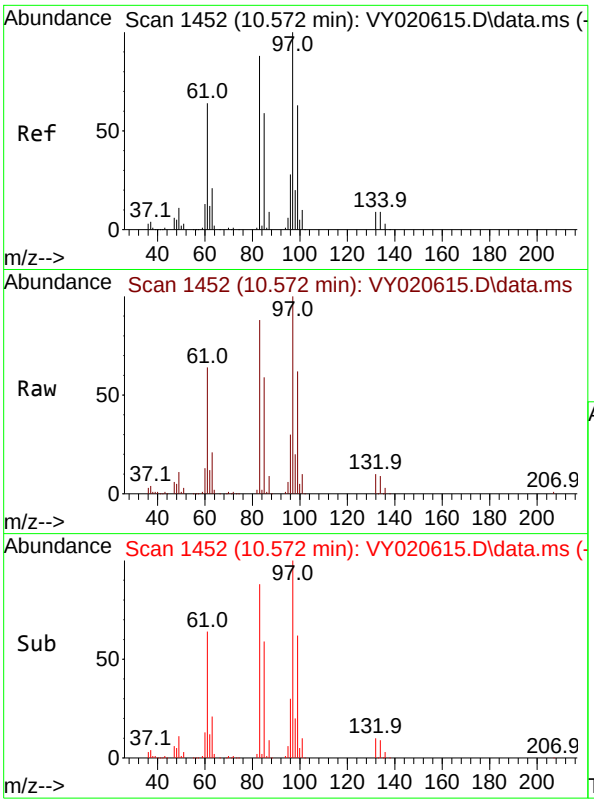


#54
cis-1,3-Dichloropropene
Concen: 50.849 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 75 Resp: 185696

Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.6	36.8
39	45.5	36.4	54.6



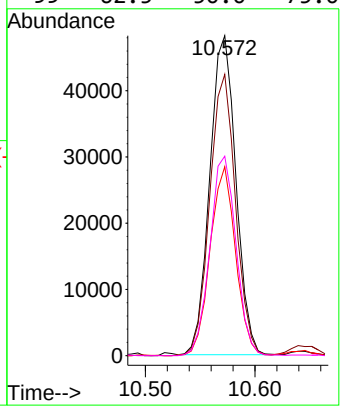


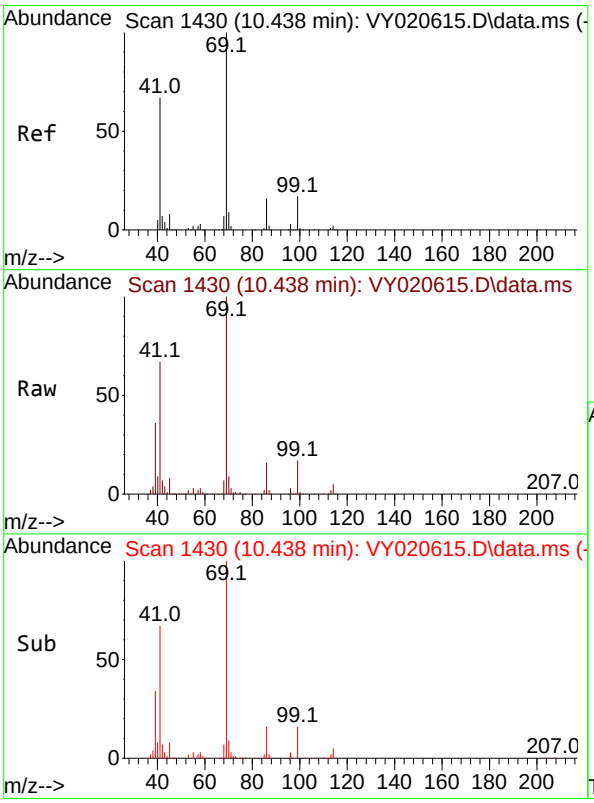
#55
1,1,2-Trichloroethane
Concen: 49.318 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 79837

Ion	Ratio	Lower	Upper
97	100		
83	88.0	70.4	105.6
85	59.0	47.2	70.8
99	62.5	50.0	75.0

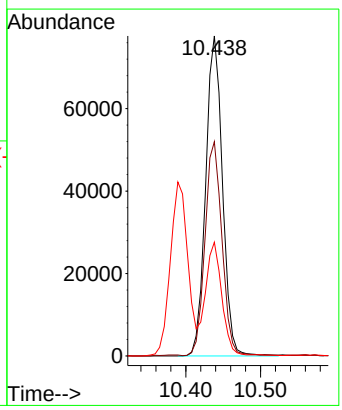


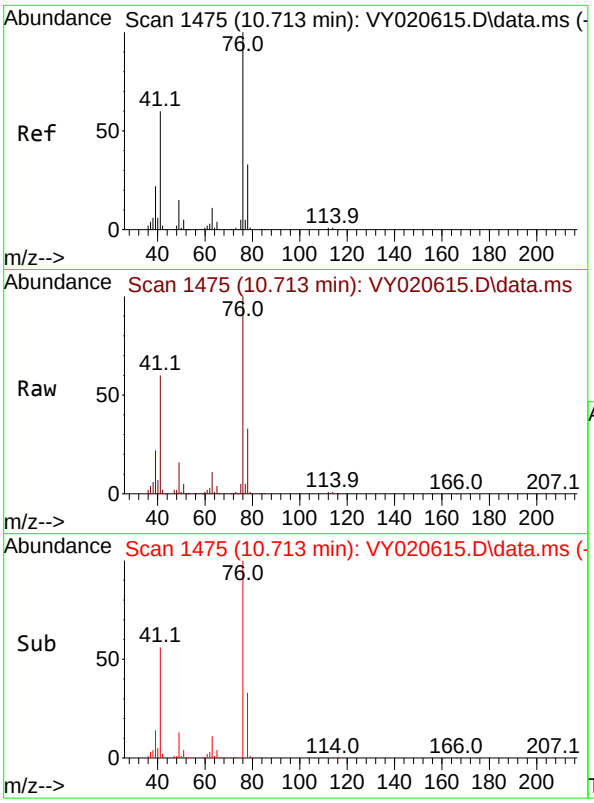


#56
Ethyl methacrylate
Concen: 51.535 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 69 Resp: 121030

Ion	Ratio	Lower	Upper
69	100		
41	67.5	54.0	81.0
39	34.9	27.9	41.9



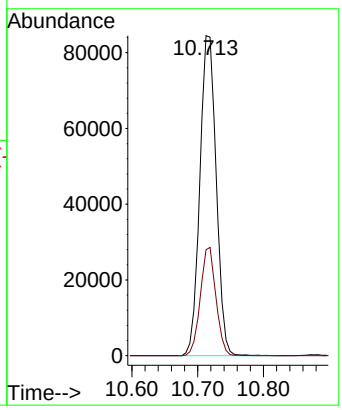


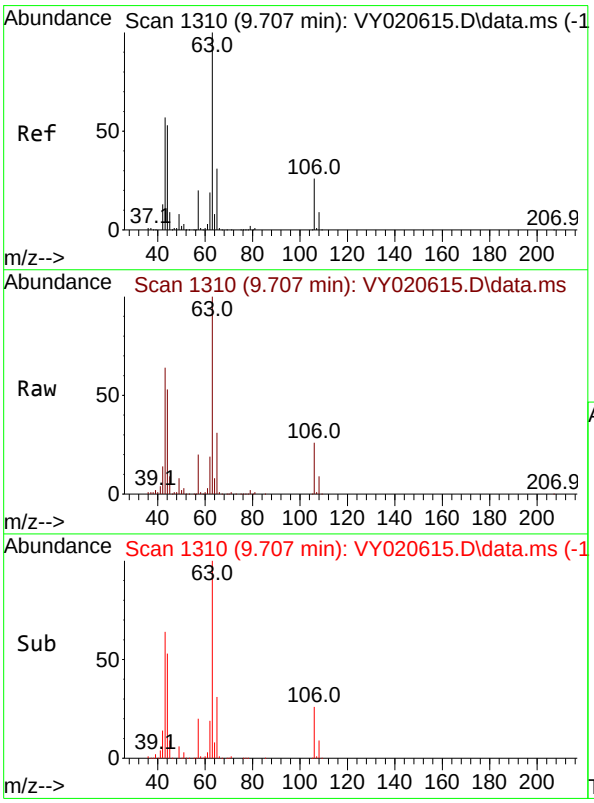
#57
1,3-Dichloropropane
Concen: 50.611 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 146053

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

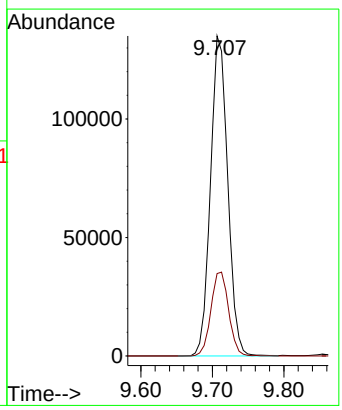


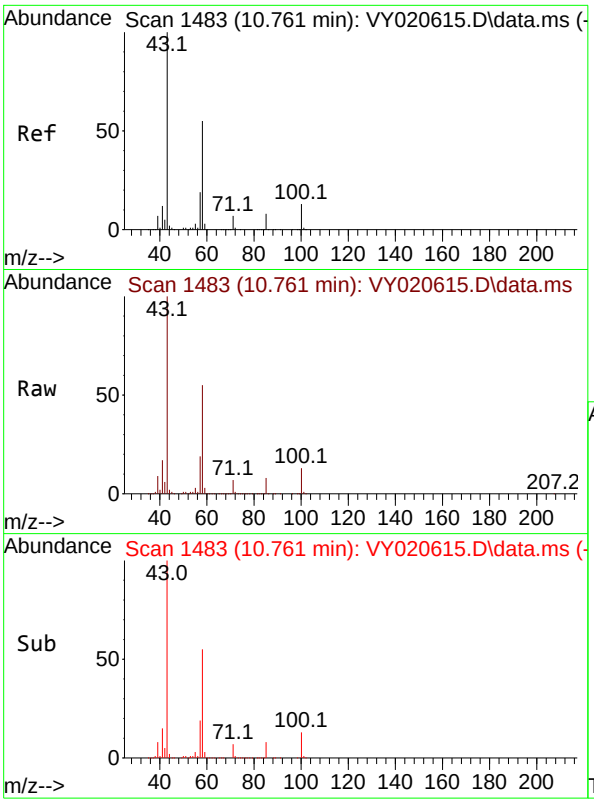


#58
2-Chloroethyl Vinyl ether
Concen: 228.767 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 63 Resp: 226061

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.5	32.3



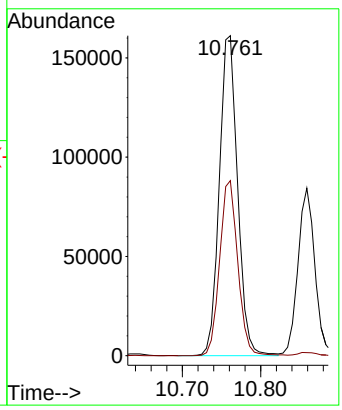


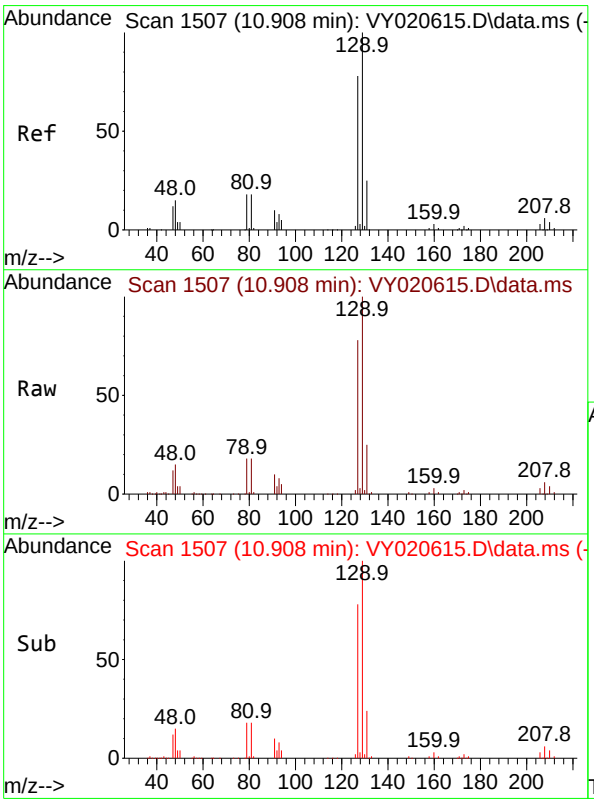
#59
2-Hexanone
Concen: 256.048 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 261334

Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.2	81.6

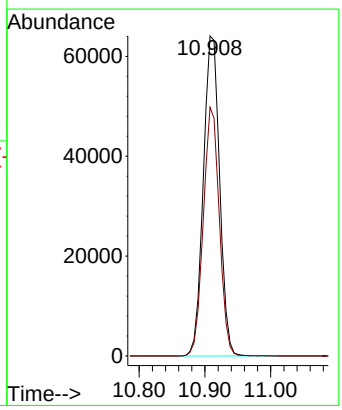


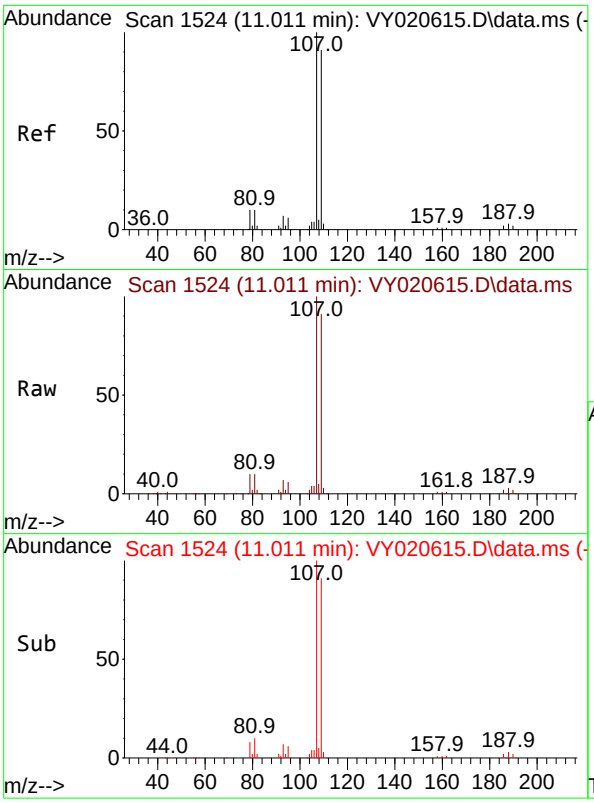


#60
Dibromochloromethane
Concen: 51.085 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:129 Resp: 110597

Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.1	114.3



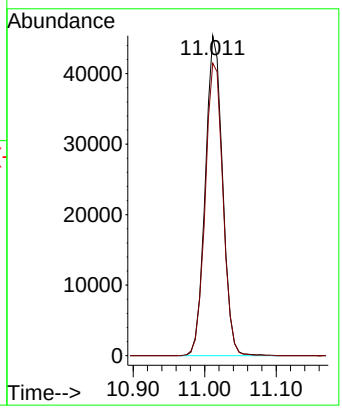


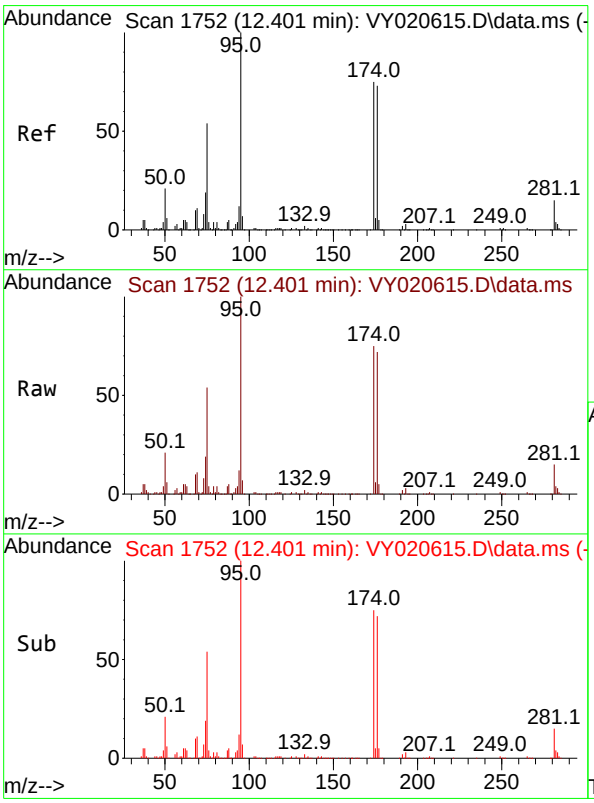
#61
1,2-Dibromoethane
Concen: 50.346 ug/l
RT: 11.011 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 75811

Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.4	113.2

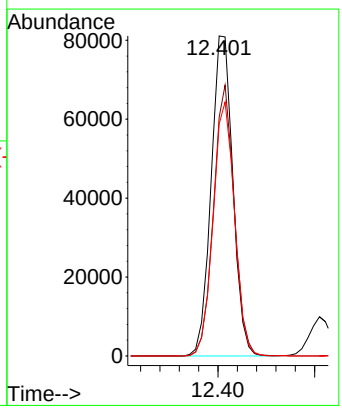


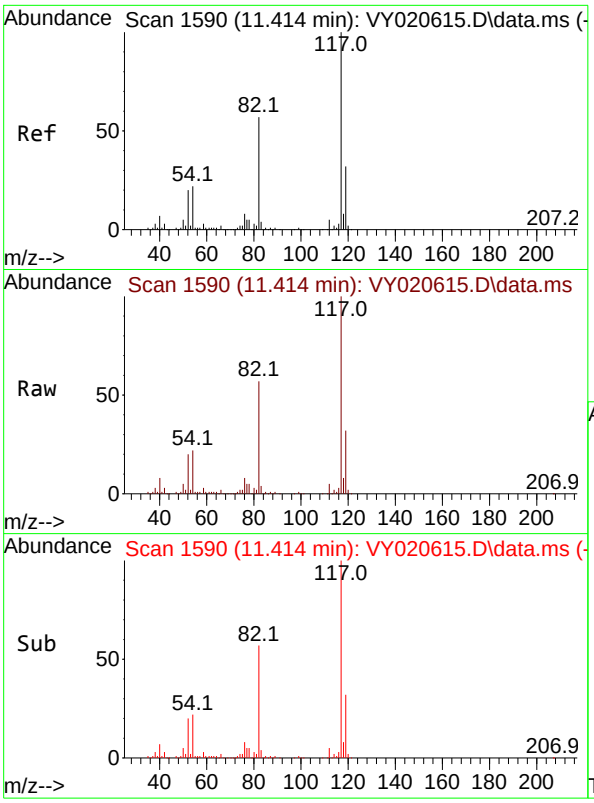


#62
4-Bromofluorobenzene
Concen: 49.707 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 95 Resp: 126226

Ion	Ratio	Lower	Upper
95	100		
174	80.9	0.0	161.8
176	78.3	0.0	156.6



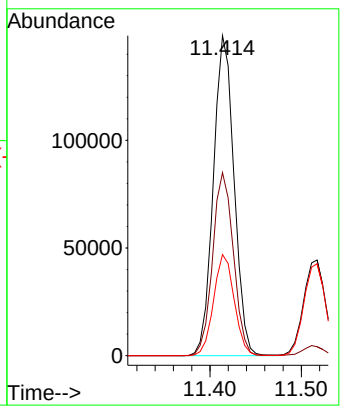


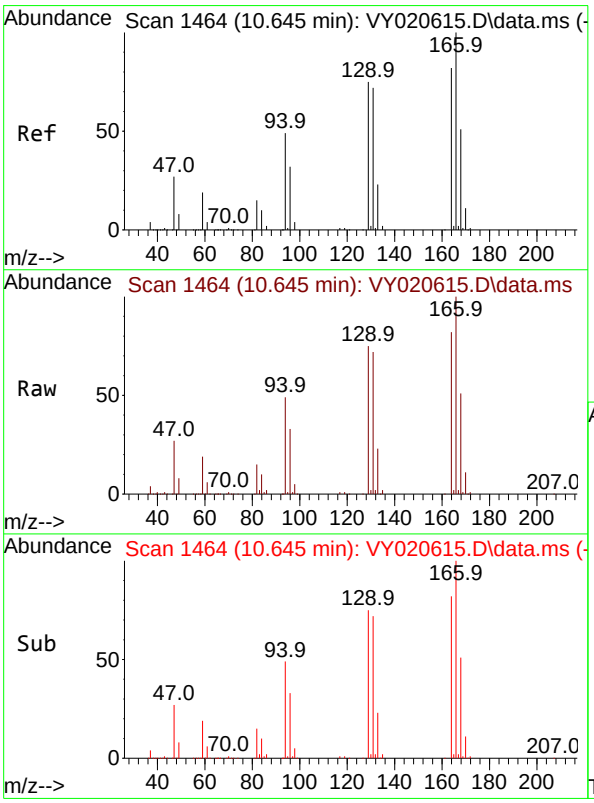
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 234325

Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.8	68.6
119	31.6	25.3	37.9

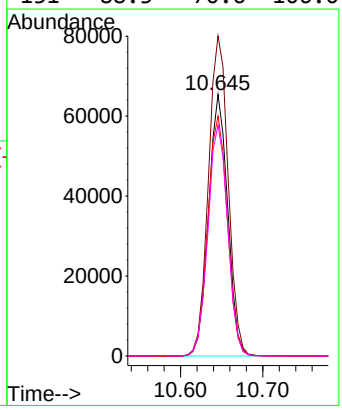


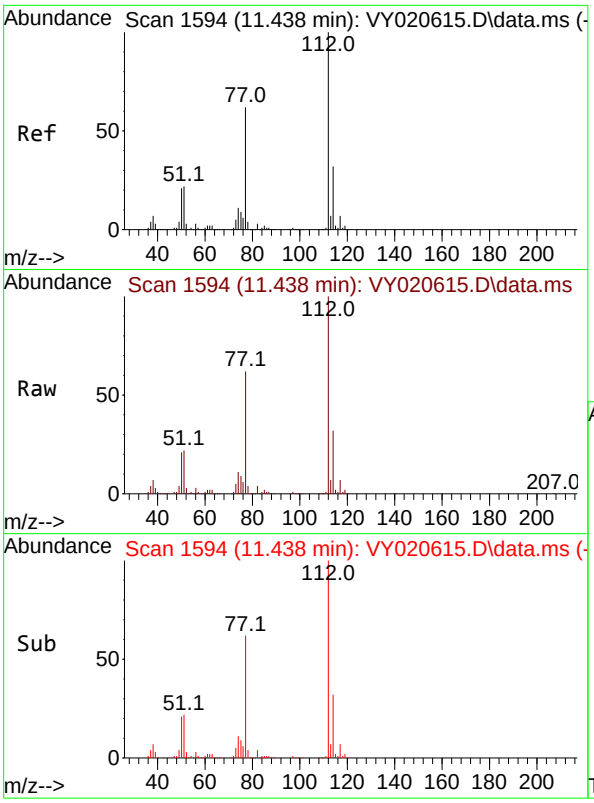


#64
Tetrachloroethene
Concen: 48.065 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:164 Resp: 105939

Ion	Ratio	Lower	Upper
164	100		
166	122.4	97.9	146.9
129	91.7	73.4	110.0
131	88.3	70.6	106.0



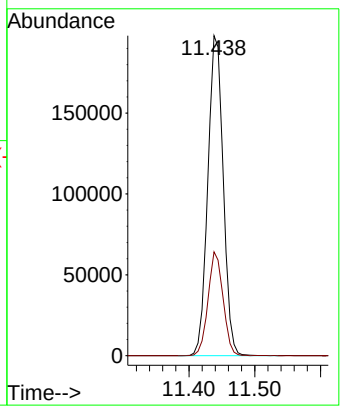


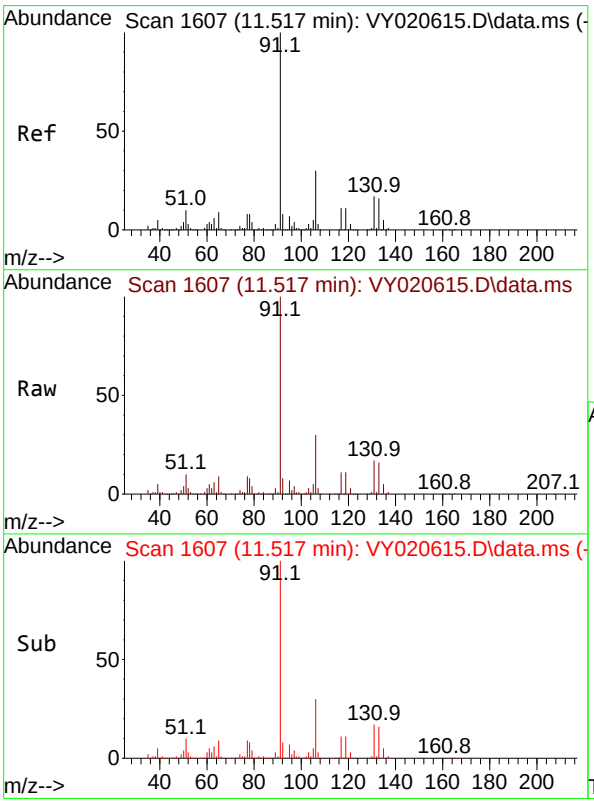
#65
Chlorobenzene
Concen: 49.154 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 322053

Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0

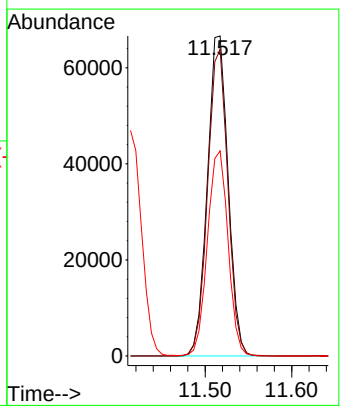


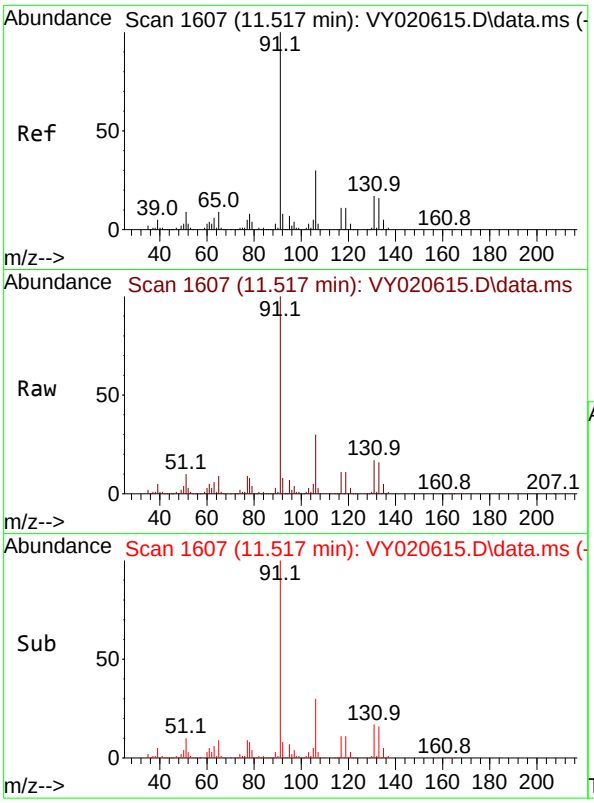


#66
1,1,1,2-Tetrachloroethane
Concen: 49.571 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:131 Resp: 111060

Ion	Ratio	Lower	Upper
131	100		
133	93.5	46.8	140.3
119	63.5	31.8	95.3



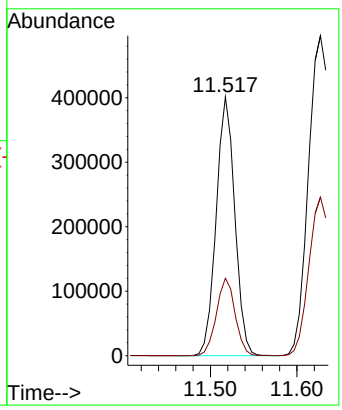


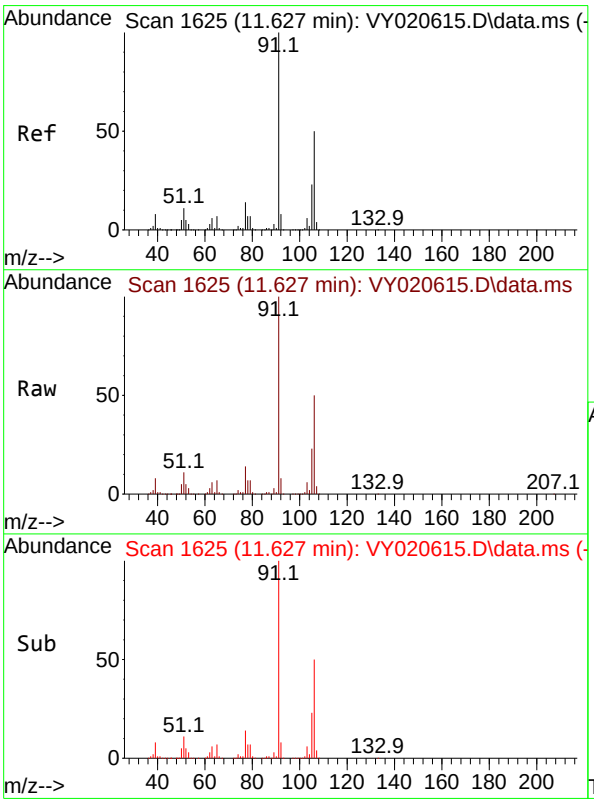
#67
Ethyl Benzene
Concen: 49.546 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 598896

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9

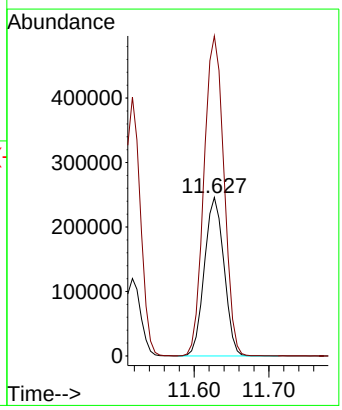


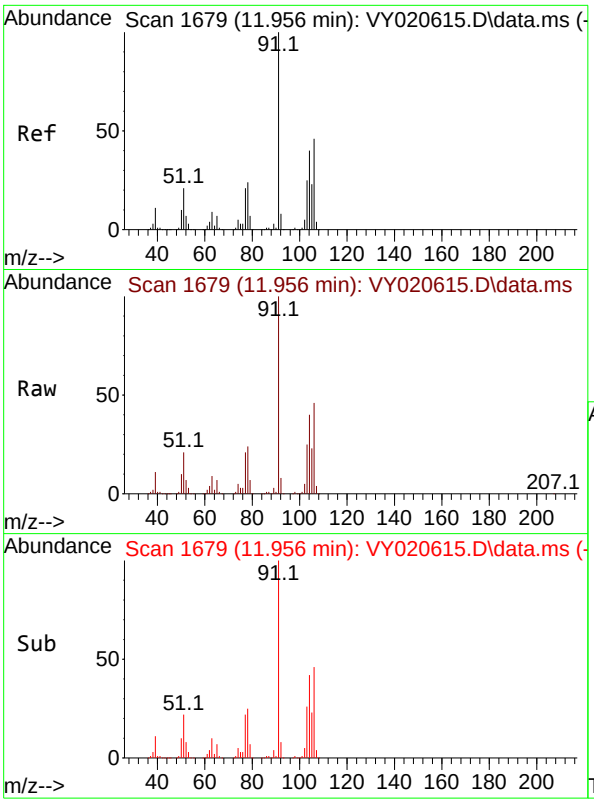


#68
m/p-Xylenes
Concen: 99.408 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:106 Resp: 446771

Ion	Ratio	Lower	Upper
106	100		
91	206.2	165.0	247.4



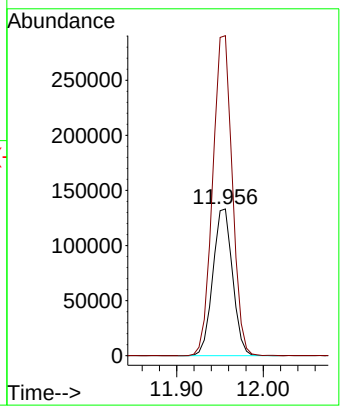


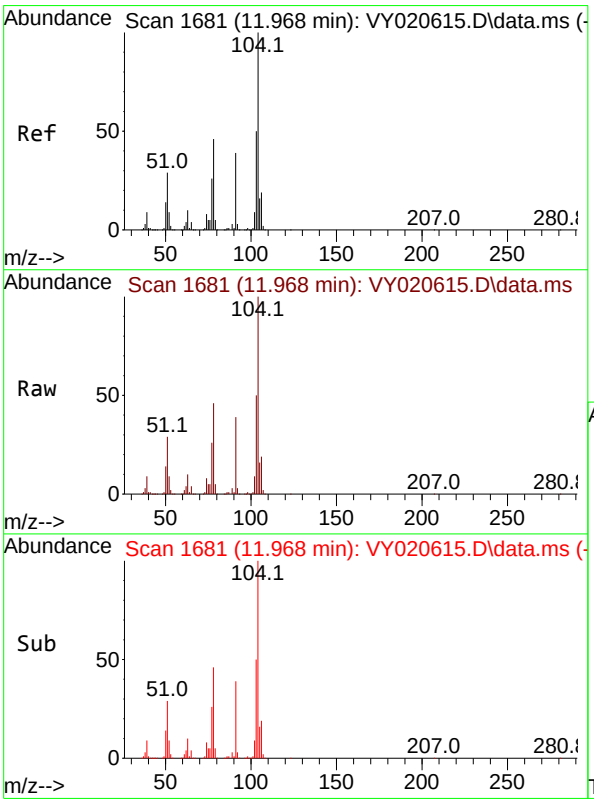
#69
o-Xylene
Concen: 50.198 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 210499

Ion	Ratio	Lower	Upper
106	100		
91	216.8	108.4	325.2

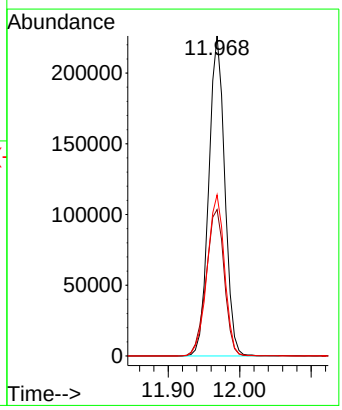


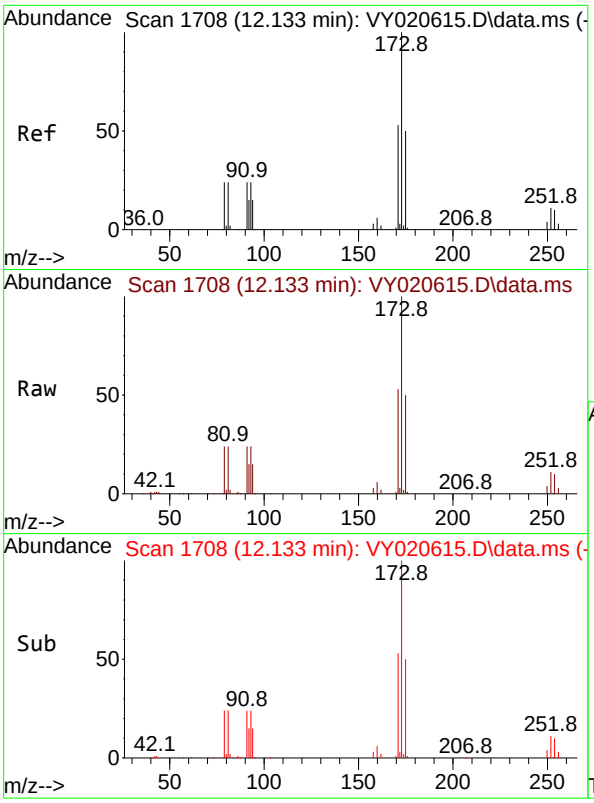


#70
Styrene
Concen: 50.222 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:104 Resp: 351858

Ion	Ratio	Lower	Upper
104	100		
78	52.0	41.6	62.4
103	54.6	43.7	65.5



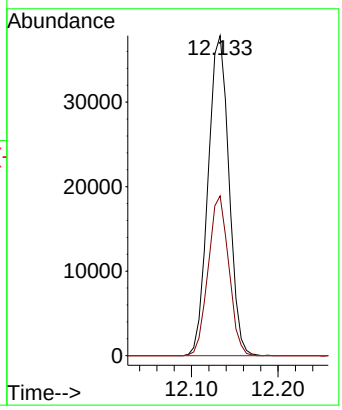


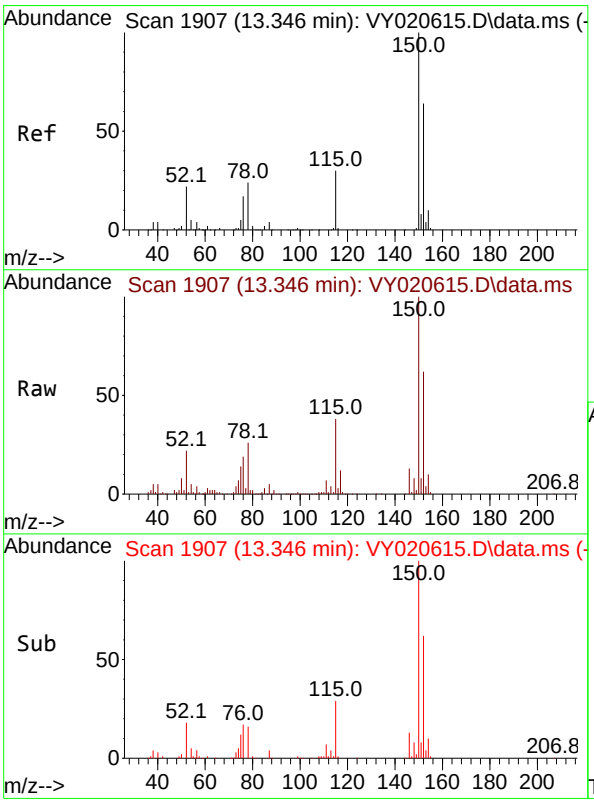
#71
Bromoform
Concen: 50.171 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 63198

Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	74.0
254	0.0	0.0	0.0

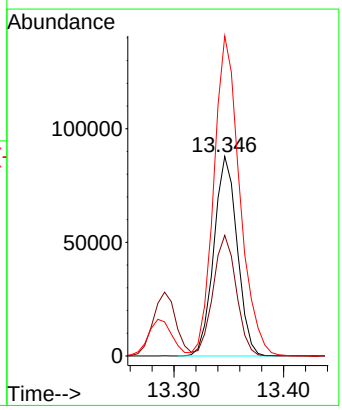


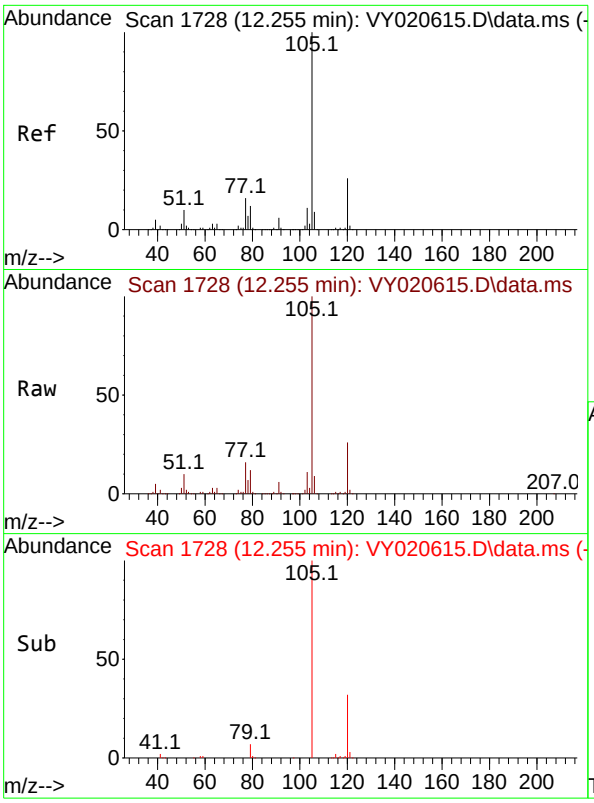


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:152 Resp: 130092

Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.2	90.6
150	177.7	0.0	355.4



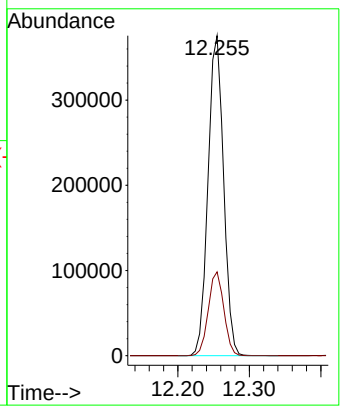


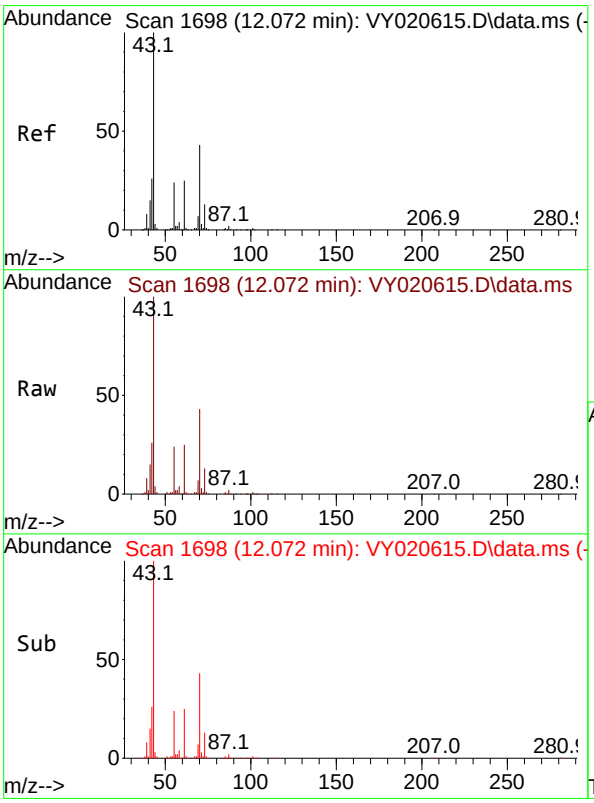
#73
Isopropylbenzene
Concen: 49.914 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 566646

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.1	39.1

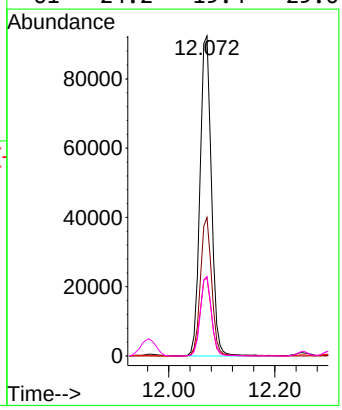


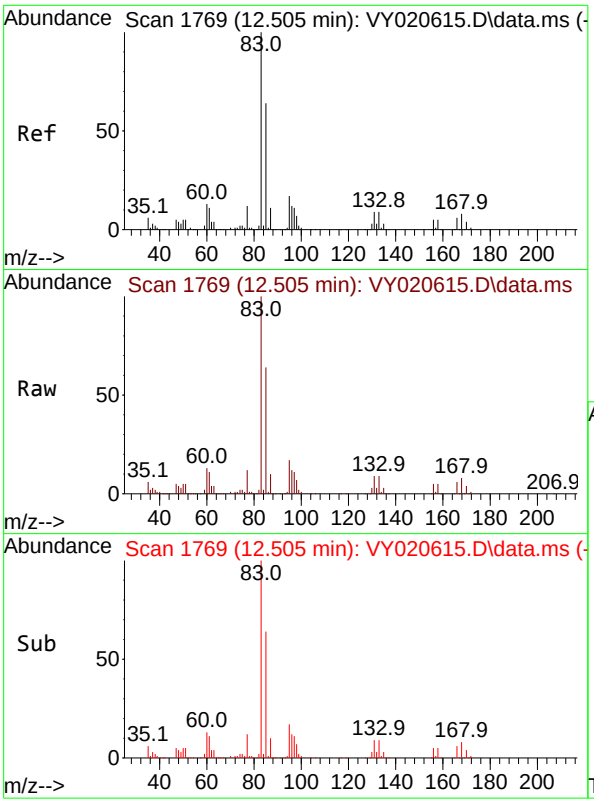


#74
N-amyl acetate
Concen: 52.254 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 43 Resp: 138830

Ion	Ratio	Lower	Upper
43	100		
70	42.7	34.2	51.2
55	24.5	19.6	29.4
61	24.2	19.4	29.0



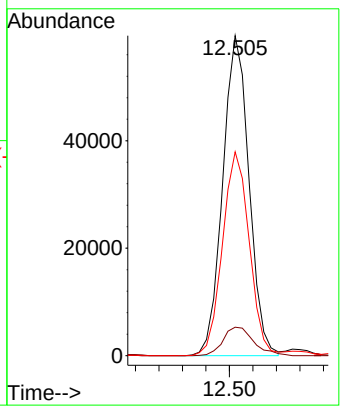


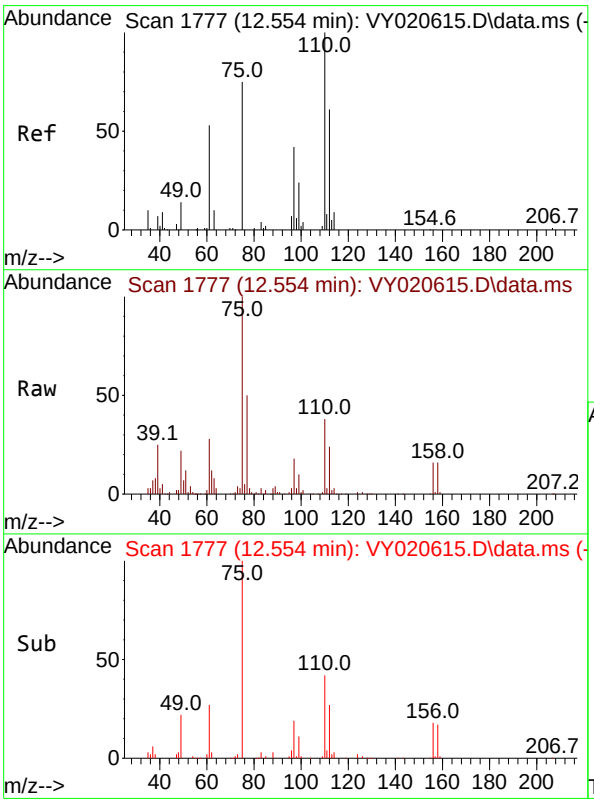
#75
1,1,2,2-Tetrachloroethane
Concen: 50.115 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 92349

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.2	15.6
85	64.9	32.5	97.4

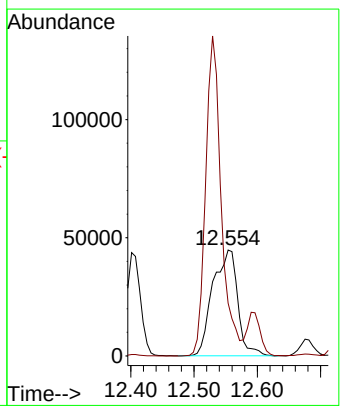


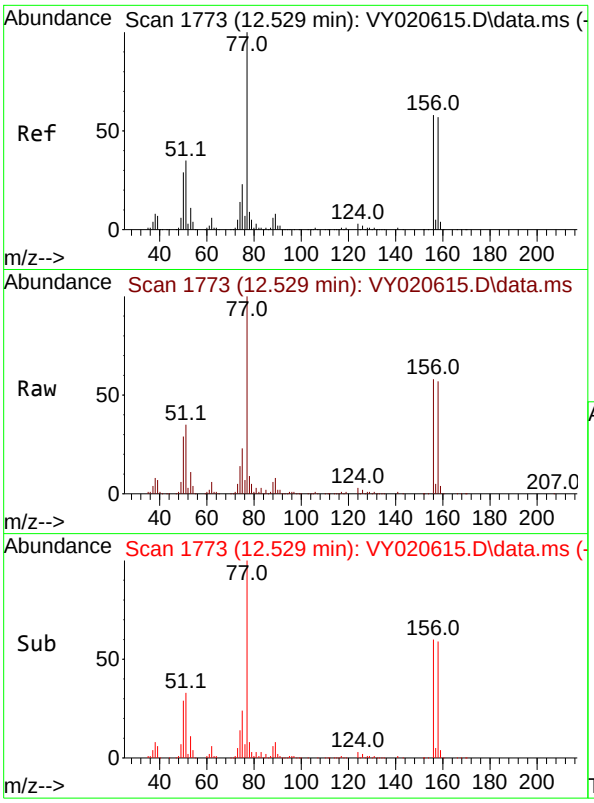


#76
1,2,3-Trichloropropane
Concen: 91.339 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 75 Resp: 122382

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



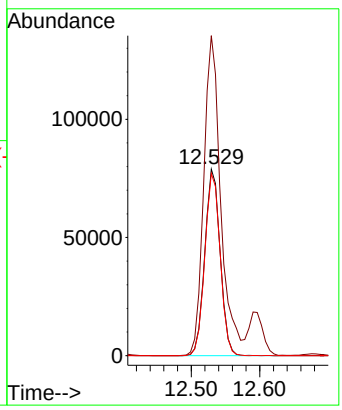


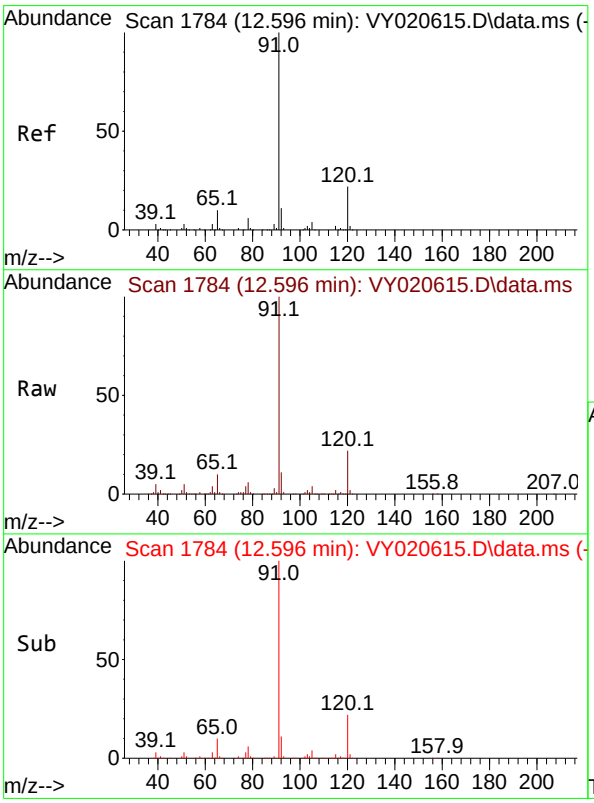
#77
Bromobenzene
Concen: 49.842 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 123256

Ion	Ratio	Lower	Upper
156	100		
77	188.3	94.2	282.4
158	97.7	48.9	146.6

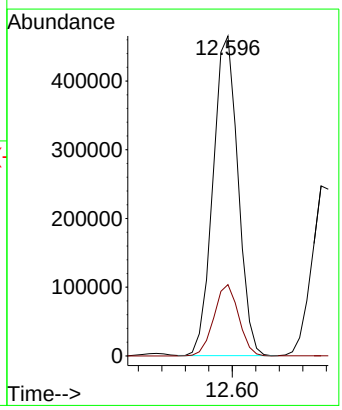


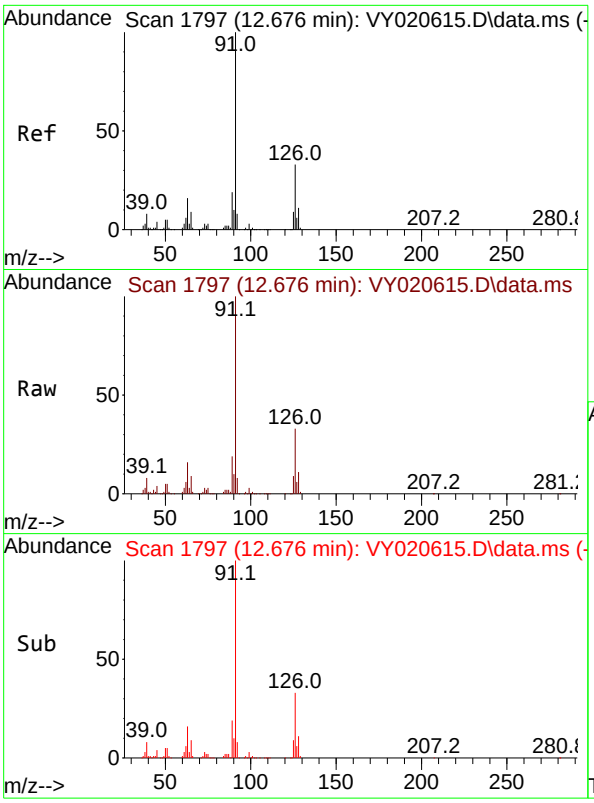


#78
n-propylbenzene
Concen: 50.251 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 91 Resp: 687319

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1



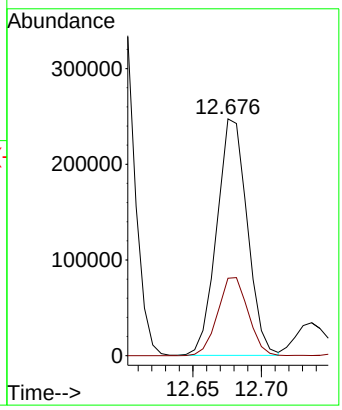


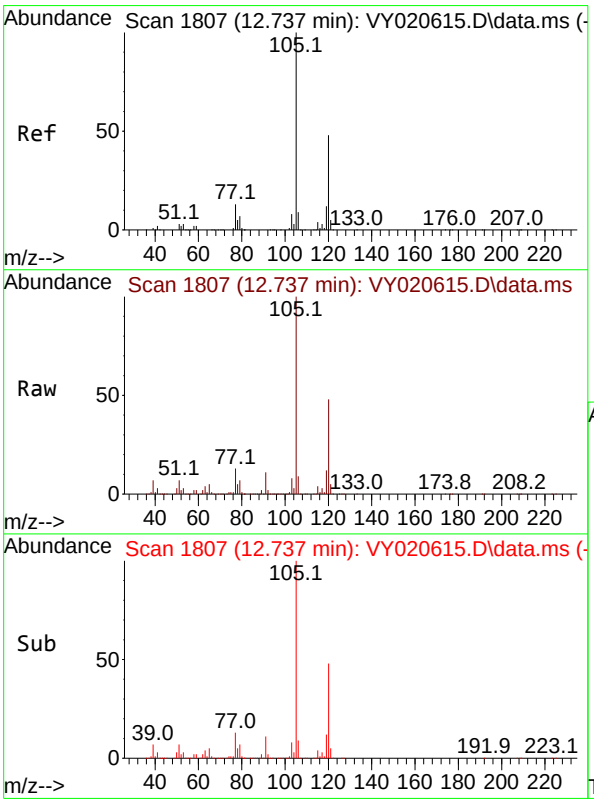
#79
2-Chlorotoluene
Concen: 49.707 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 382511

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.6	49.7

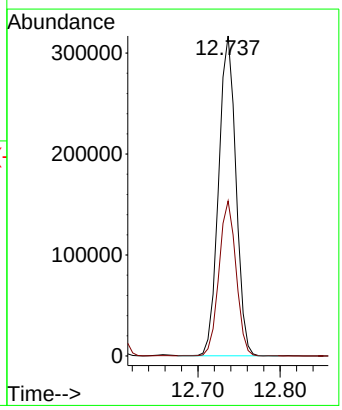


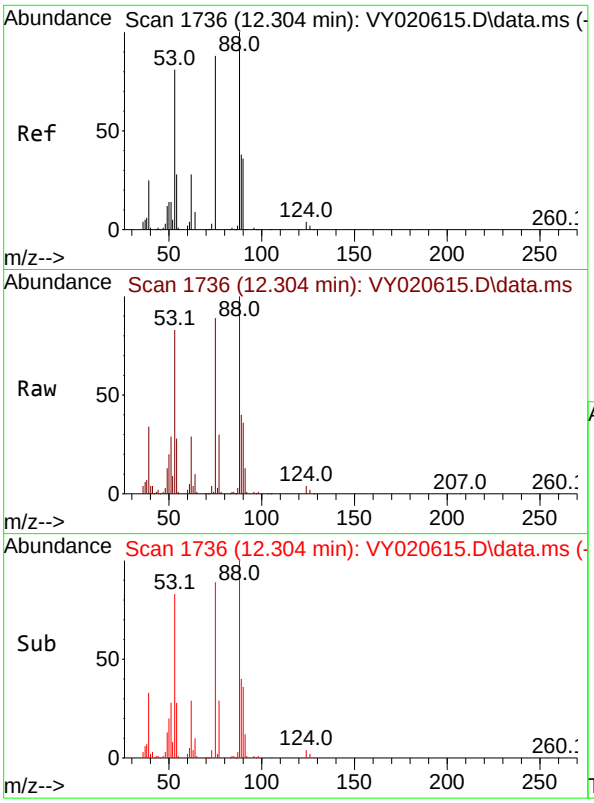


#80
1,3,5-Trimethylbenzene
Concen: 50.279 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:105 Resp: 463155

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.9	71.7



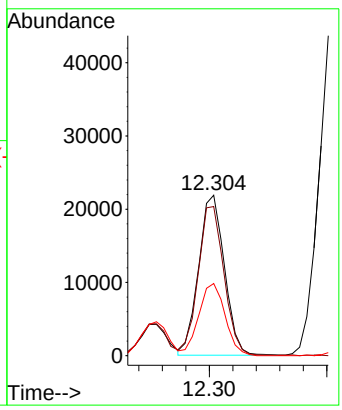


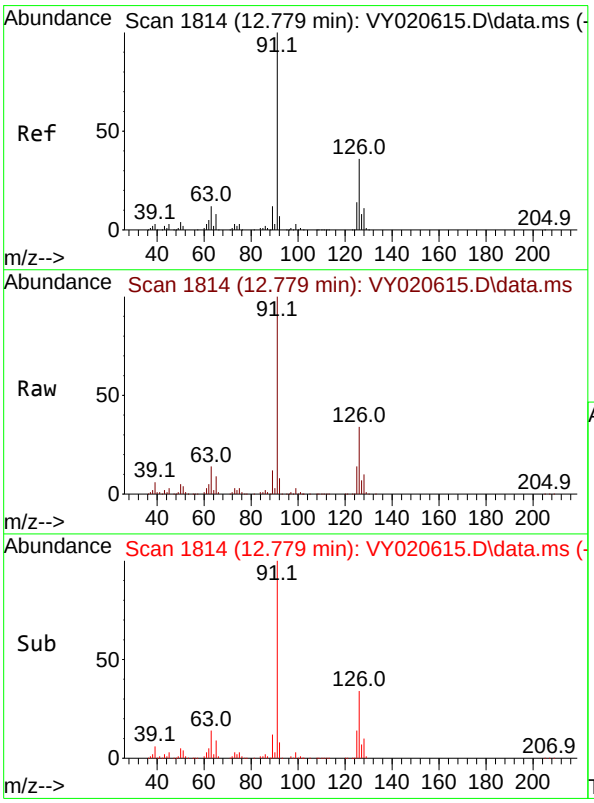
#81
trans-1,4-Dichloro-2-butene
Concen: 51.816 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 33360

Ion	Ratio	Lower	Upper
75	100		
53	94.3	75.4	113.2
89	46.2	37.0	55.4

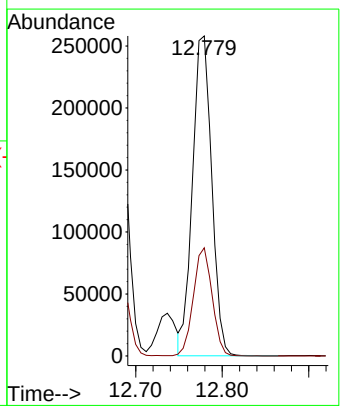


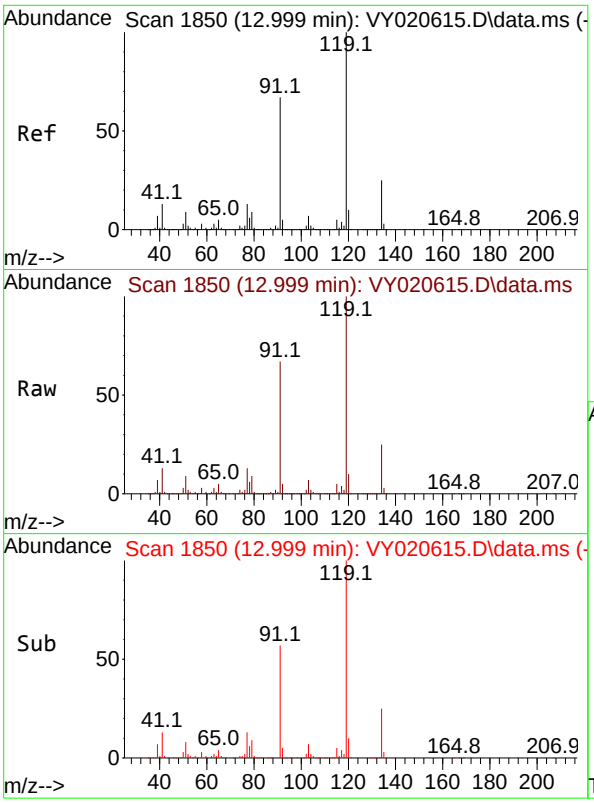


#82
4-Chlorotoluene
Concen: 49.848 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 91 Resp: 397958

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.6	49.7



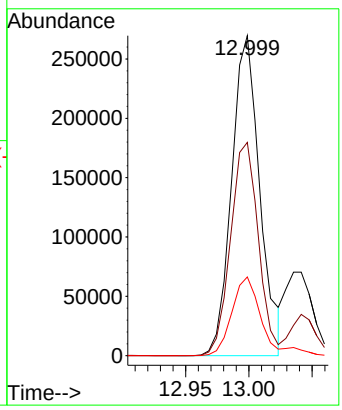


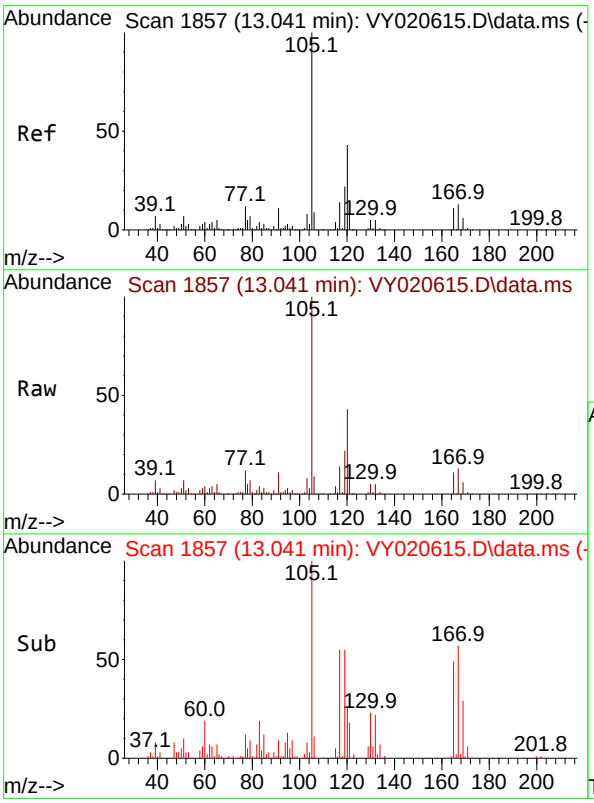
#83
tert-Butylbenzene
Concen: 50.127 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 418182

Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.9	98.6
134	26.1	13.1	39.1

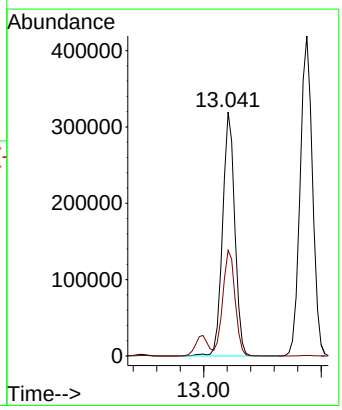


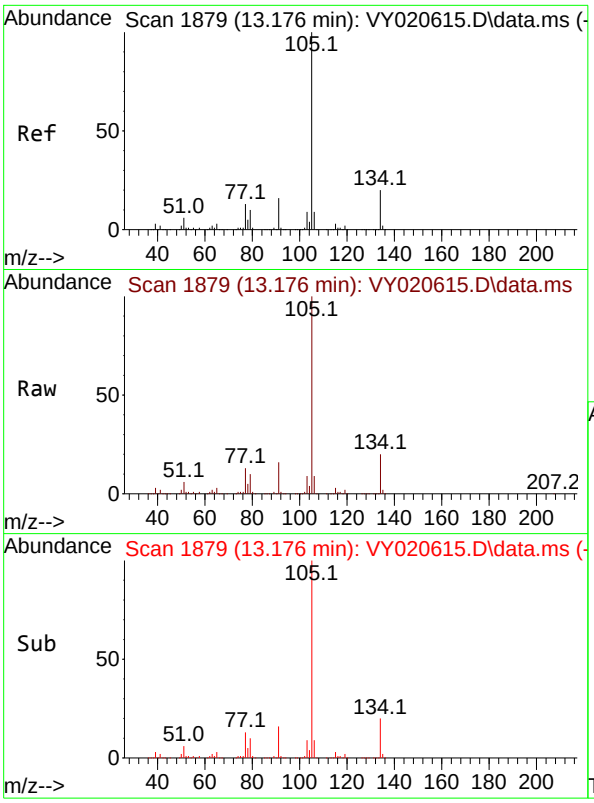


#84
1,2,4-Trimethylbenzene
Concen: 50.907 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:105 Resp: 459974

Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.8	65.4



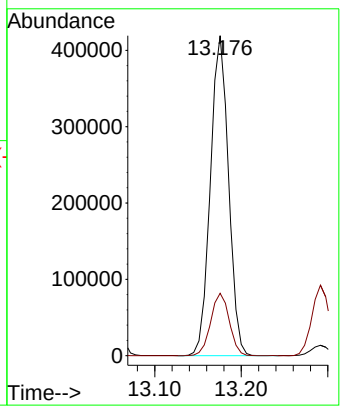


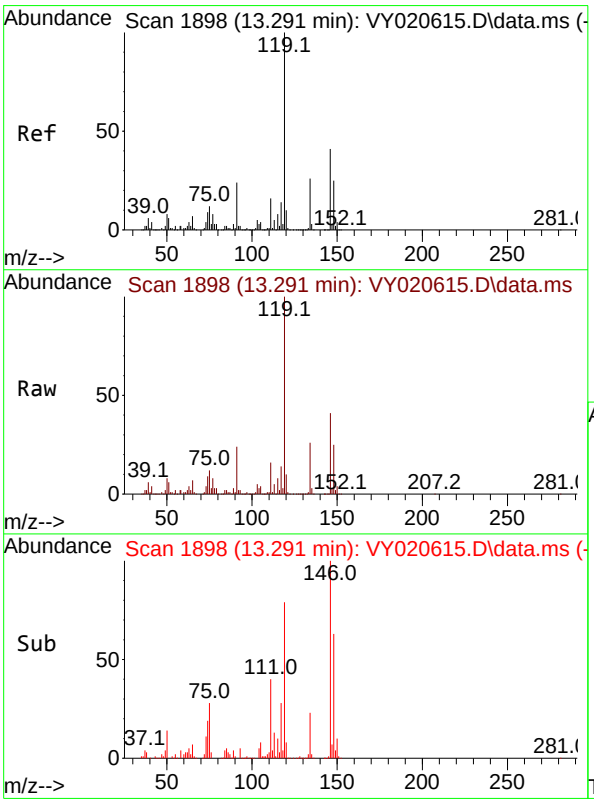
#85
sec-Butylbenzene
Concen: 50.301 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 610142

Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	30.0

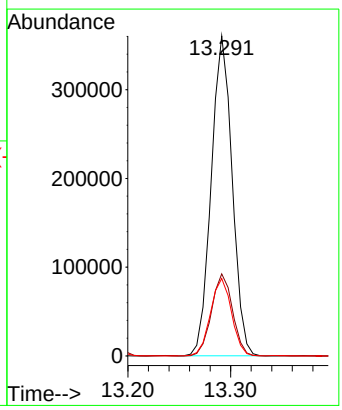


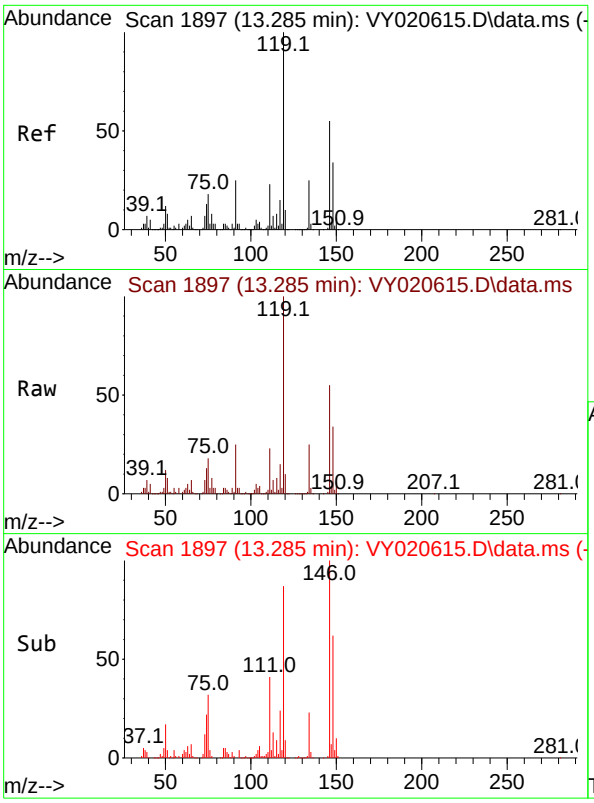


#86
p-Isopropyltoluene
Concen: 50.941 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:119 Resp: 509445

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	24.2	12.1	36.3



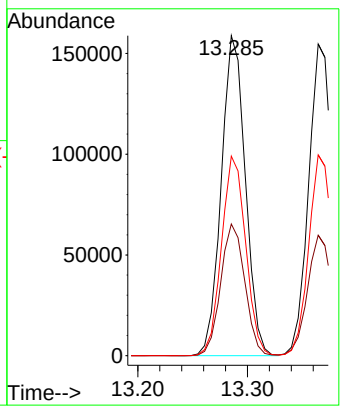


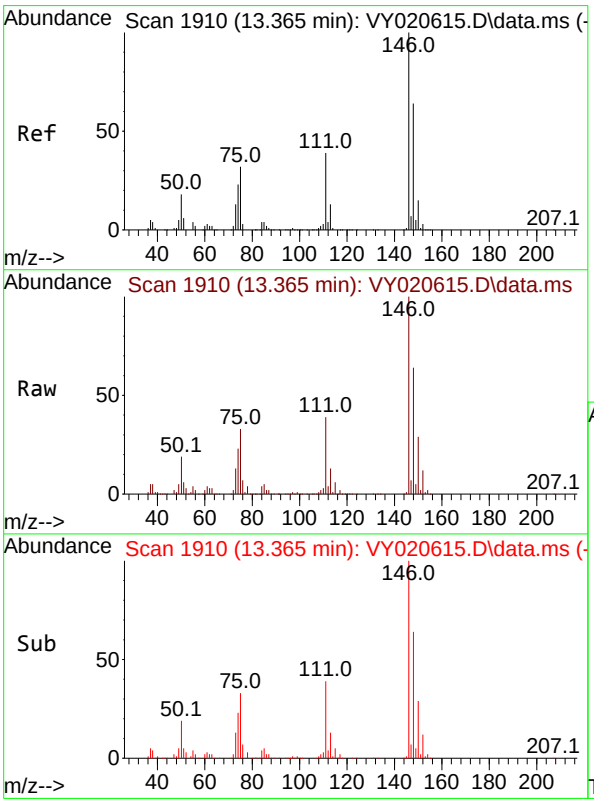
#87
1,3-Dichlorobenzene
Concen: 49.677 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 242502

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.6	61.8
148	62.7	31.4	94.0

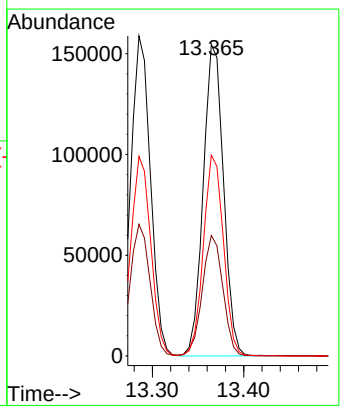


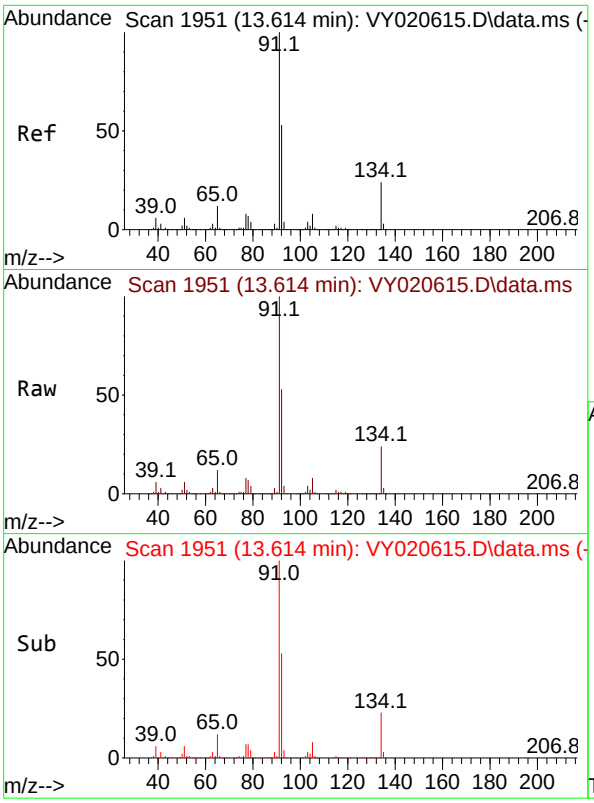


#88
1,4-Dichlorobenzene
Concen: 49.281 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:146 Resp: 238266

Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.7
148	63.7	31.9	95.5



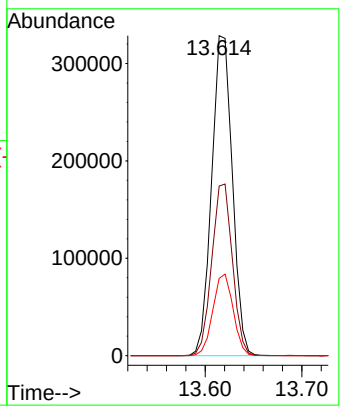


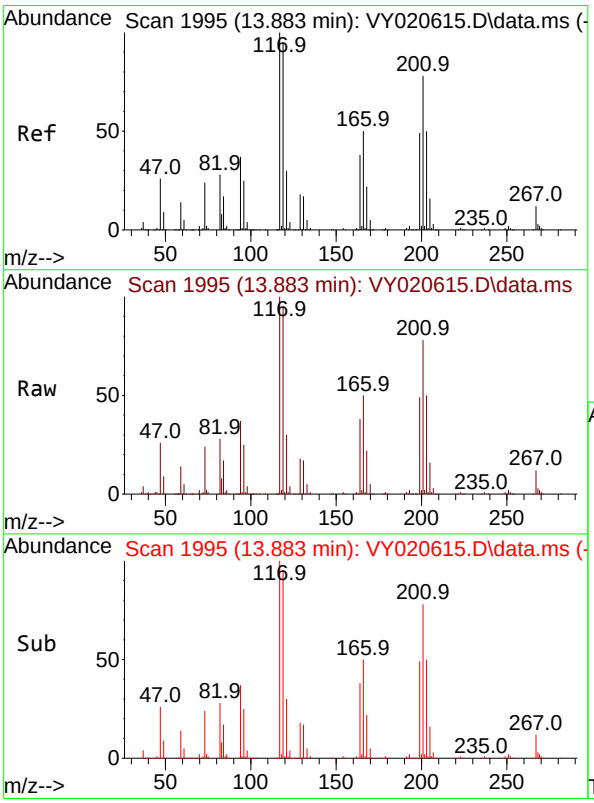
#89
n-Butylbenzene
Concen: 51.461 ug/l
RT: 13.614 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 487742

Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.8	80.4
134	25.0	12.5	37.5

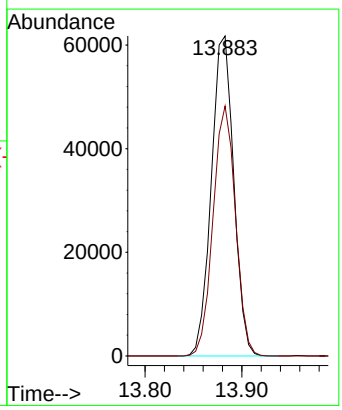


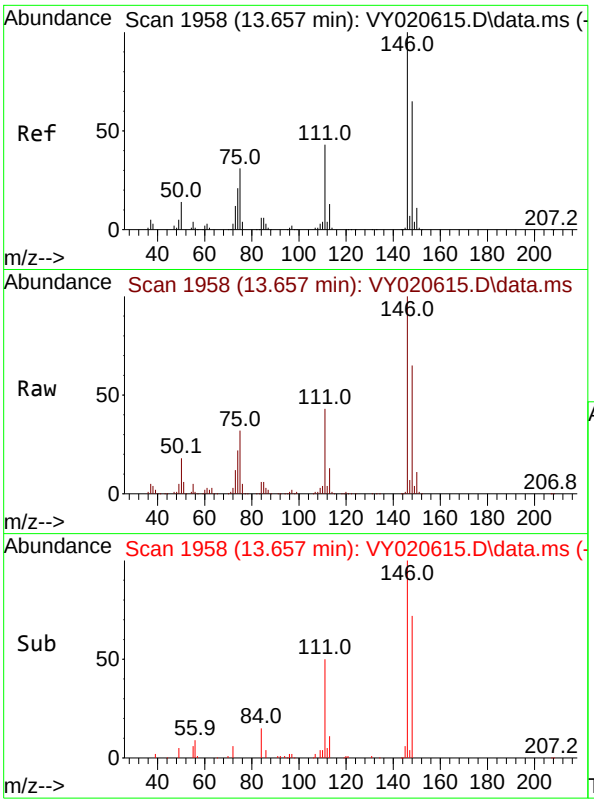


#90
Hexachloroethane
Concen: 50.134 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:117 Resp: 99360

Ion	Ratio	Lower	Upper
117	100		
201	78.2	39.1	117.3



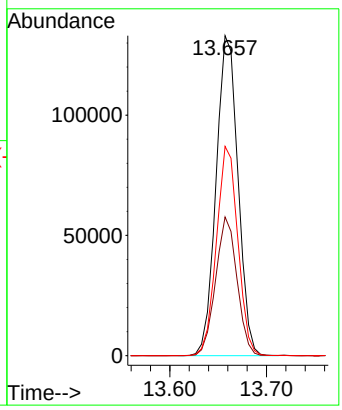


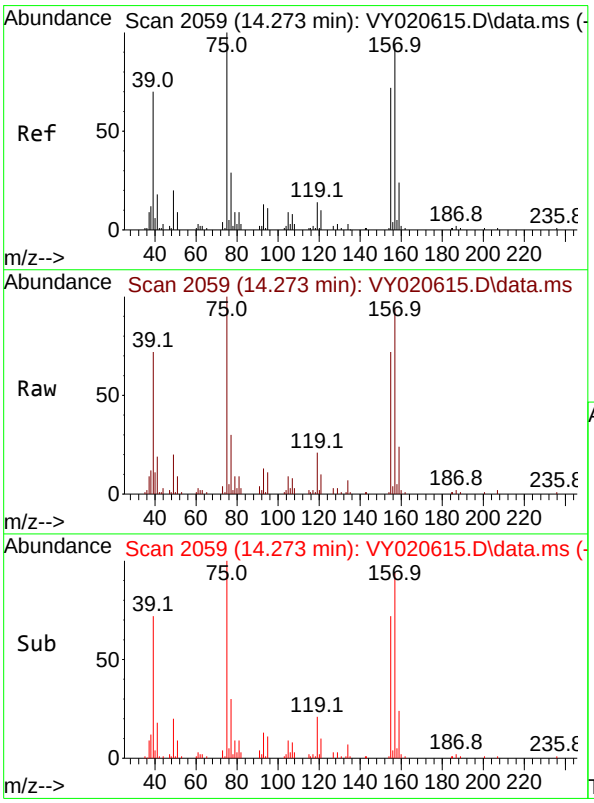
#91
1,2-Dichlorobenzene
Concen: 49.409 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 208977

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	63.7
148	64.0	32.0	96.0

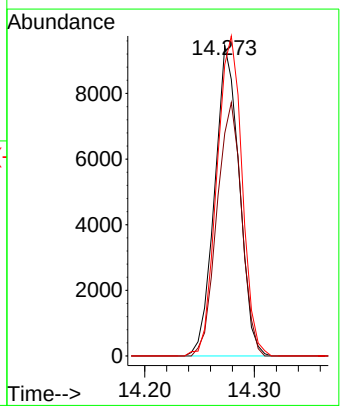


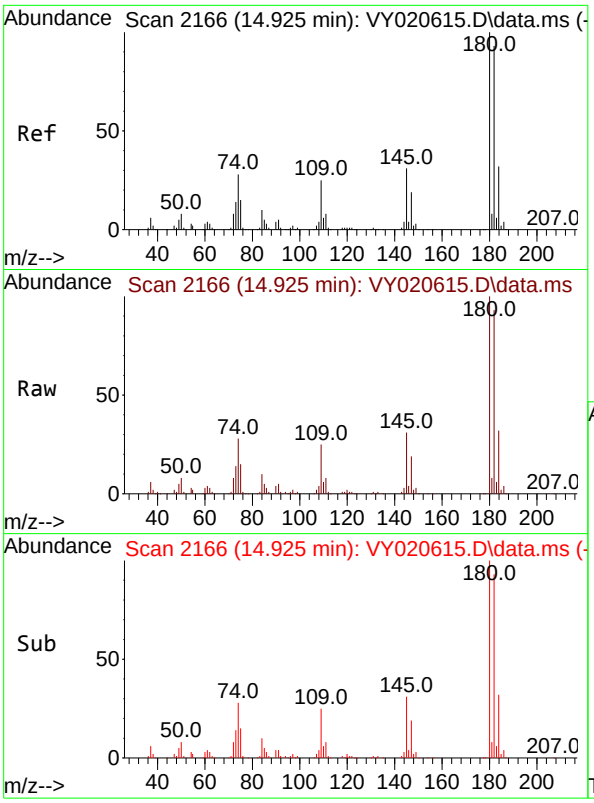


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.268 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion: 75 Resp: 14740

Ion	Ratio	Lower	Upper
75	100		
155	82.2	41.1	123.3
157	105.9	52.9	158.8



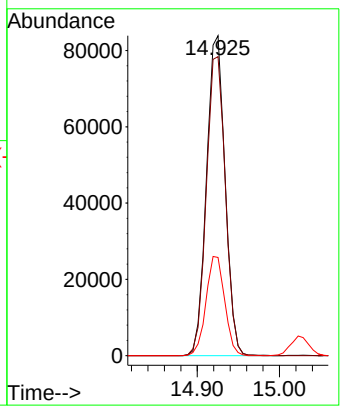


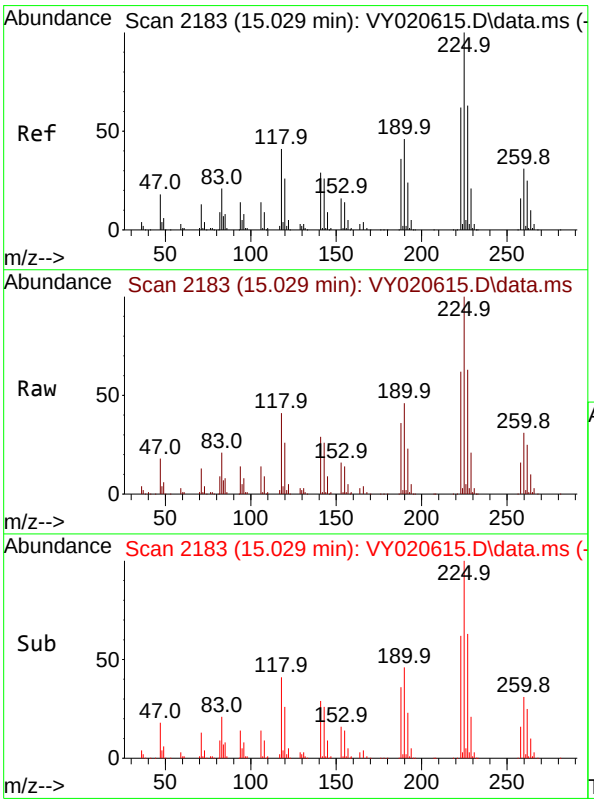
#93
1,2,4-Trichlorobenzene
Concen: 51.538 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 131852

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.6
145	31.1	15.6	46.7

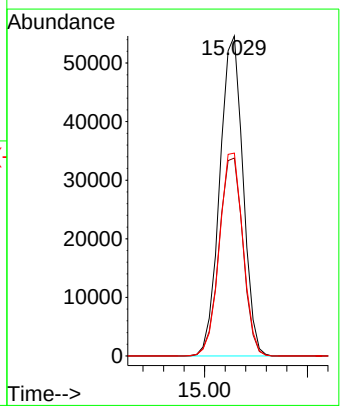


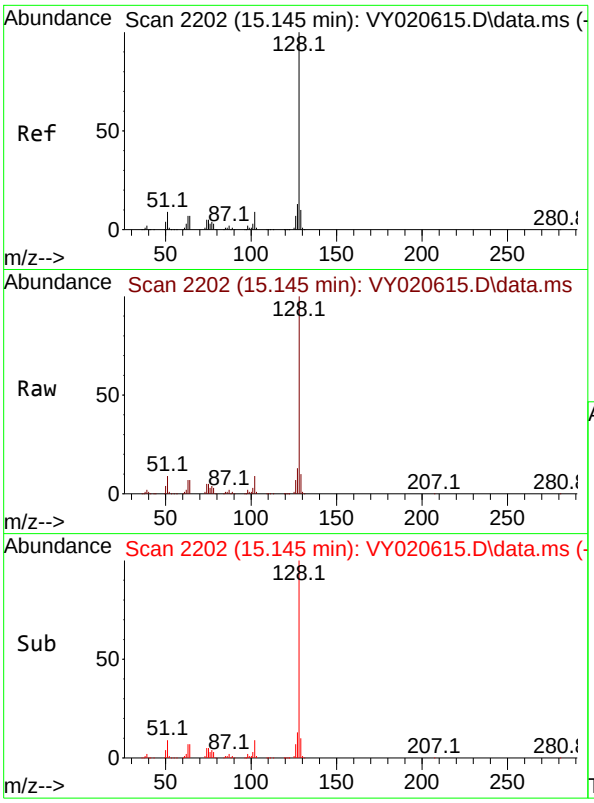


#94
Hexachlorobutadiene
Concen: 51.117 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:225 Resp: 85490

Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.8	95.3
227	64.4	32.2	96.6



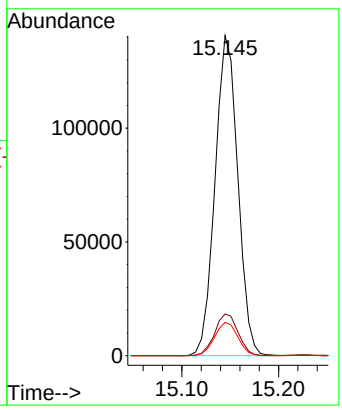


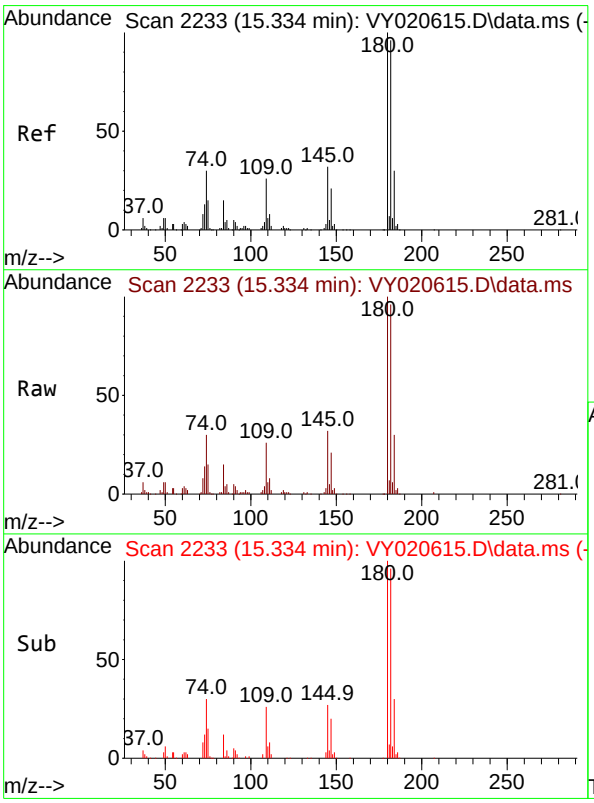
#95
Naphthalene
Concen: 52.434 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 229979

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.6	8.5	12.7

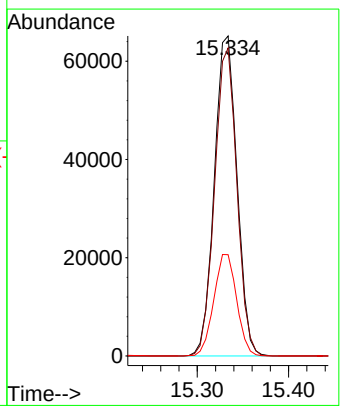




#96
1,2,3-Trichlorobenzene
Concen: 51.976 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY020615.D
Acq: 17 Dec 2024 10:51

Tgt Ion:180 Resp: 112349

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	32.0	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020616.D
Acq On : 17 Dec 2024 11:14
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Dec 18 04:53:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	175469	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	270859	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	241570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	134321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	177978	92.612	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 185.220%#			
35) Dibromofluoromethane	7.634	113	175849	92.118	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 184.240%#			
50) Toluene-d8	10.103	98	619412	92.704	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 185.400%#			
62) 4-Bromofluorobenzene	12.401	95	234353	89.665	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 179.320%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.866	85	210949	96.249	ug/l	99
3) Chloromethane	2.068	50	149471	92.044	ug/l	98
4) Vinyl Chloride	2.202	62	154262	102.062	ug/l	99
5) Bromomethane	2.586	94	98824	101.715	ug/l	97
6) Chloroethane	2.732	64	95621	102.376	ug/l	99
7) Trichlorofluoromethane	3.055	101	308242	97.464	ug/l	98
8) Diethyl Ether	3.458	74	110471	99.599	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	227753	100.469	ug/l	99
10) Methyl Iodide	4.000	142	272999	108.168	ug/l	98
11) Tert butyl alcohol	4.860	59	92710	533.746	ug/l	100
12) 1,1-Dichloroethene	3.787	96	224015	101.847	ug/l	100
13) Acrolein	3.653	56	32525	357.929	ug/l	98
14) Allyl chloride	4.384	41	401452	104.161	ug/l	99
15) Acrylonitrile	5.055	53	268782	506.539	ug/l	99
16) Acetone	3.872	43	192907	512.024	ug/l	99
17) Carbon Disulfide	4.104	76	734236	102.553	ug/l	99
18) Methyl Acetate	4.384	43	137166	104.906	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	579813	102.132	ug/l	98
20) Methylene Chloride	4.610	84	233323	97.650	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	242695	98.365	ug/l	97
22) Diisopropyl ether	6.018	45	777568	99.391	ug/l	96
23) Vinyl Acetate	5.957	43	2271891	512.739	ug/l	100
24) 1,1-Dichloroethane	5.914	63	456073	99.510	ug/l	99
25) 2-Butanone	6.890	43	341489	478.150	ug/l	99
26) 2,2-Dichloropropane	6.884	77	402163	92.822	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	279676	98.523	ug/l	99
28) Bromochloromethane	7.243	49	175710	113.661	ug/l	98
29) Tetrahydrofuran	7.262	42	230877	512.090	ug/l	100
30) Chloroform	7.420	83	457070	105.160	ug/l	97
31) Cyclohexane	7.701	56	407104	92.899	ug/l	98
32) 1,1,1-Trichloroethane	7.615	97	415073	98.578	ug/l	100
36) 1,1-Dichloropropene	7.835	75	337138	96.854	ug/l	99
37) Ethyl Acetate	6.981	43	160241	97.867	ug/l	100
38) Carbon Tetrachloride	7.817	117	377406	97.998	ug/l	100
39) Methylcyclohexane	9.109	83	440006	96.986	ug/l	99
40) Benzene	8.079	78	1000543	98.064	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020616.D
Acq On : 17 Dec 2024 11:14
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Dec 18 04:53:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	99381	114.810	ug/l	#	86
42) 1,2-Dichloroethane	8.158	62	270045	99.793	ug/l		100
43) Isopropyl Acetate	8.195	43	318902	102.879	ug/l		99
44) Trichloroethene	8.865	130	245474	97.912	ug/l		99
45) 1,2-Dichloropropane	9.139	63	238605	100.062	ug/l		99
46) Dibromomethane	9.231	93	126063	100.032	ug/l		99
47) Bromodichloromethane	9.420	83	339720	99.796	ug/l		97
48) Methyl methacrylate	9.219	41	154845	105.079	ug/l		99
49) 1,4-Dioxane	9.225	88	29870	2066.774	ug/l		97
51) 4-Methyl-2-Pentanone	9.993	43	814840	498.015	ug/l		100
52) Toluene	10.170	92	631368	99.573	ug/l		100
53) t-1,3-Dichloropropene	10.389	75	330795	104.287	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	386715	102.884	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	167205	100.352	ug/l		95
56) Ethyl methacrylate	10.438	69	263694	109.090	ug/l		98
57) 1,3-Dichloropropane	10.712	76	299884	100.965	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.706	63	536306	527.303	ug/l		100
59) 2-Hexanone	10.755	43	548285	521.929	ug/l		99
60) Dibromochloromethane	10.907	129	228154	102.389	ug/l		99
61) 1,2-Dibromoethane	11.011	107	156883	101.225	ug/l		100
64) Tetrachloroethene	10.645	164	215415	94.803	ug/l		97
65) Chlorobenzene	11.438	112	667347	98.800	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	229790	99.489	ug/l		99
67) Ethyl Benzene	11.517	91	1228775	98.607	ug/l		99
68) m/p-Xylenes	11.627	106	910536	196.521	ug/l		99
69) o-Xylene	11.956	106	428727	99.174	ug/l		97
70) Styrene	11.968	104	725167	100.401	ug/l		100
71) Bromoform	12.133	173	131589	101.332	ug/l	#	98
73) Isopropylbenzene	12.255	105	1150948	98.191	ug/l		100
74) N-amyl acetate	12.066	43	292377	106.582	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	190664	100.209	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	256421	185.352	ug/l	#	100
77) Bromobenzene	12.529	156	253587	99.317	ug/l		100
78) n-propylbenzene	12.596	91	1383699	97.980	ug/l		99
79) 2-Chlorotoluene	12.675	91	787764	99.147	ug/l		99
80) 1,3,5-Trimethylbenzene	12.736	105	933106	98.108	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	70365	105.852	ug/l		100
82) 4-Chlorotoluene	12.779	91	804177	97.558	ug/l		100
83) tert-Butylbenzene	12.999	119	853675	99.108	ug/l		100
84) 1,2,4-Trimethylbenzene	13.041	105	921051	98.727	ug/l		99
85) sec-Butylbenzene	13.175	105	1220465	97.450	ug/l		100
86) p-Isopropyltoluene	13.291	119	1023181	99.089	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	492097	97.633	ug/l		99
88) 1,4-Dichlorobenzene	13.364	146	482756	96.707	ug/l		99
89) n-Butylbenzene	13.614	91	966758	98.789	ug/l		99
90) Hexachloroethane	13.883	117	202399	98.910	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	430383	98.552	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	30584	99.008	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	276806	104.790	ug/l		99
94) Hexachlorobutadiene	15.023	225	170325	98.635	ug/l		99
95) Naphthalene	15.145	128	511948	113.046	ug/l		99
96) 1,2,3-Trichlorobenzene	15.327	180	234803	105.207	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020616.D
Acq On : 17 Dec 2024 11:14
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Dec 18 04:53:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

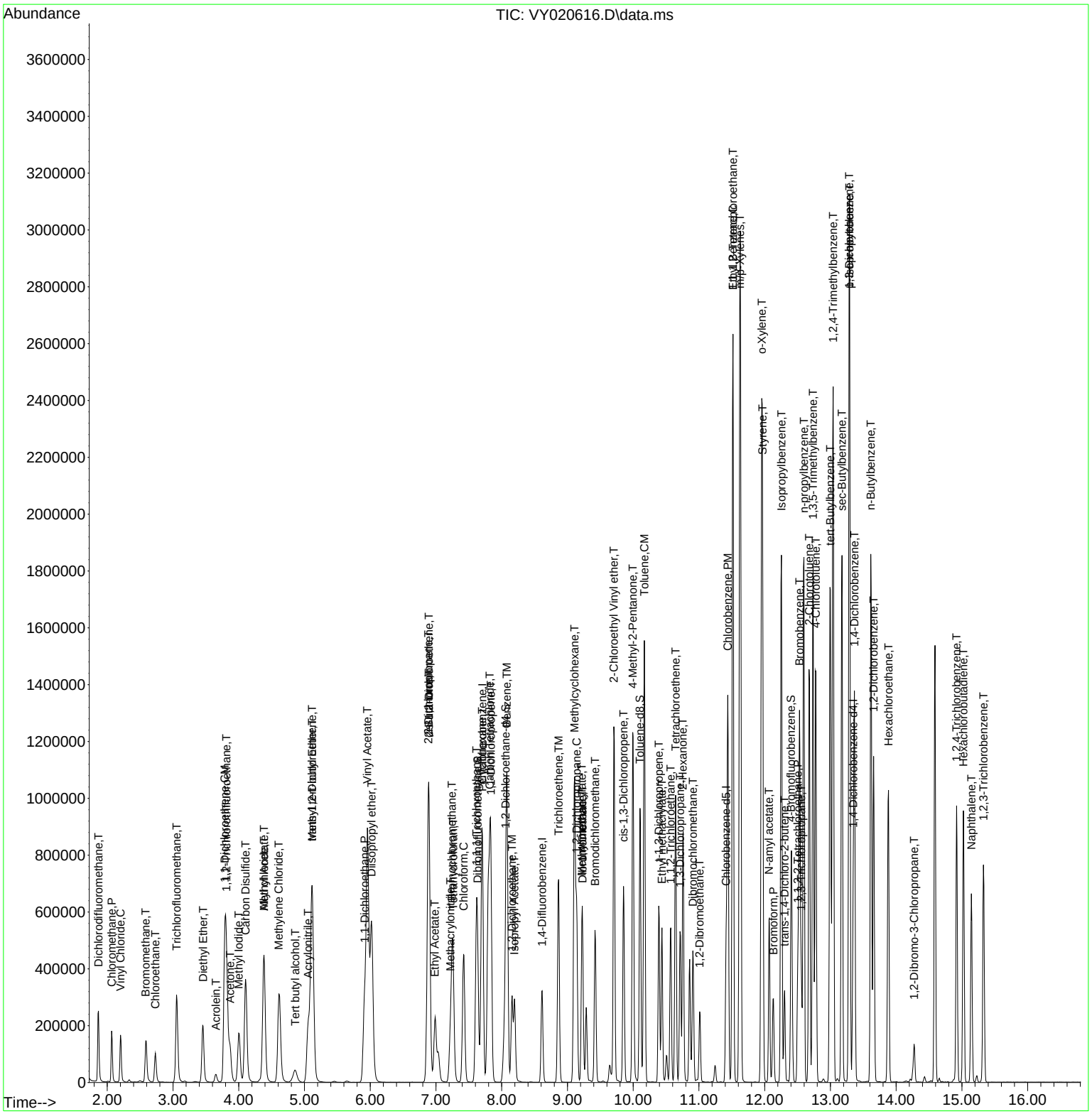
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

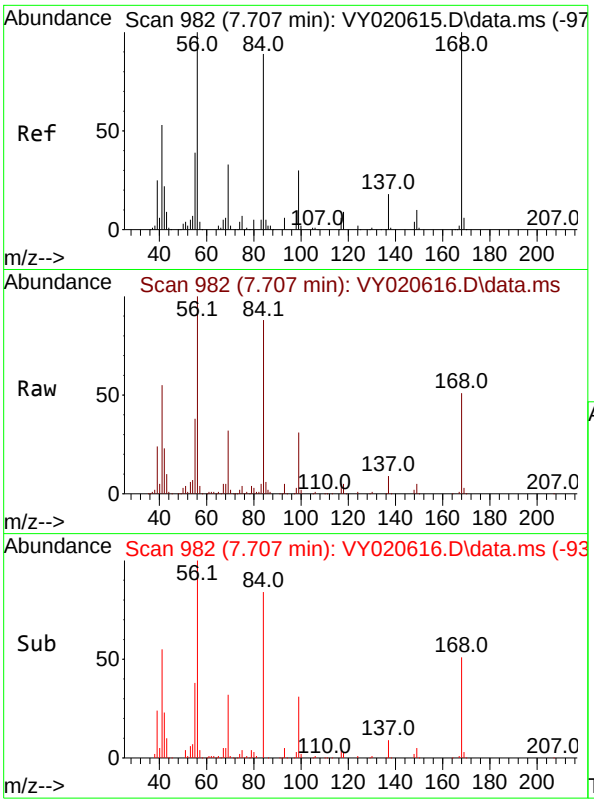
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020616.D
Acq On : 17 Dec 2024 11:14
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Dec 18 04:53:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration



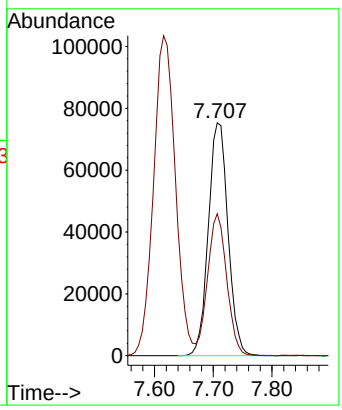


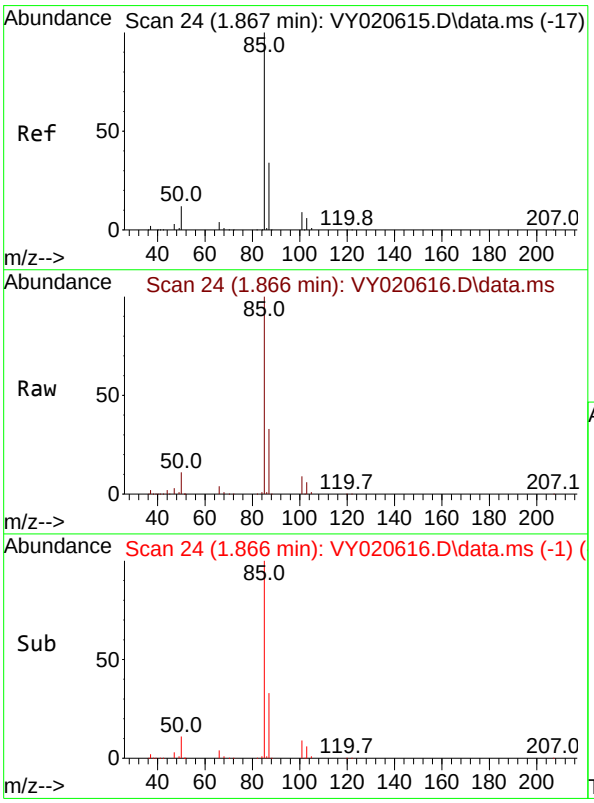
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 175469

Ion	Ratio	Lower	Upper
168	100		
99	61.0	47.0	70.6

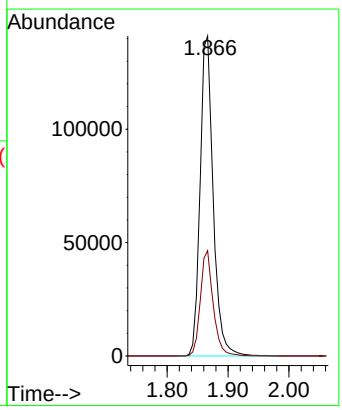


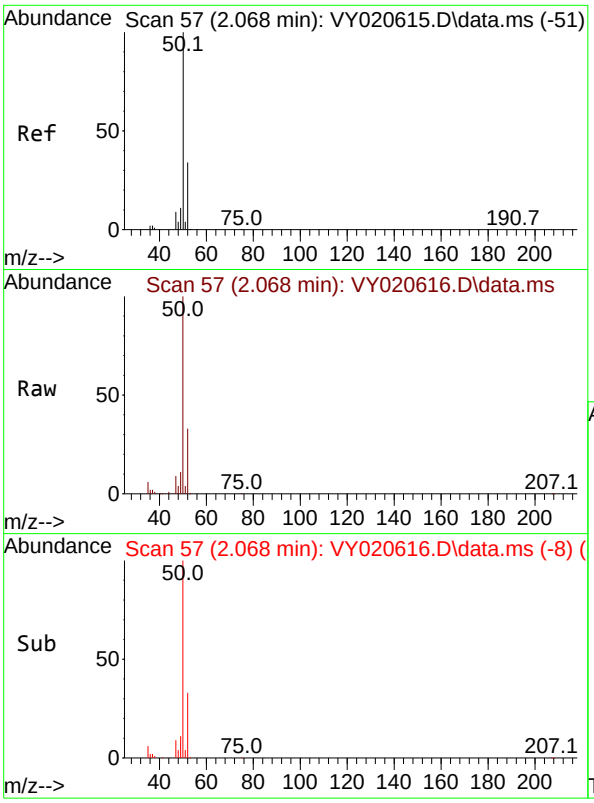


#2
Dichlorodifluoromethane
Concen: 96.249 ug/l
RT: 1.866 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 85 Resp: 210949

Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.8	50.3



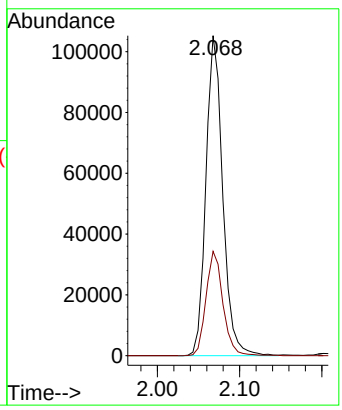


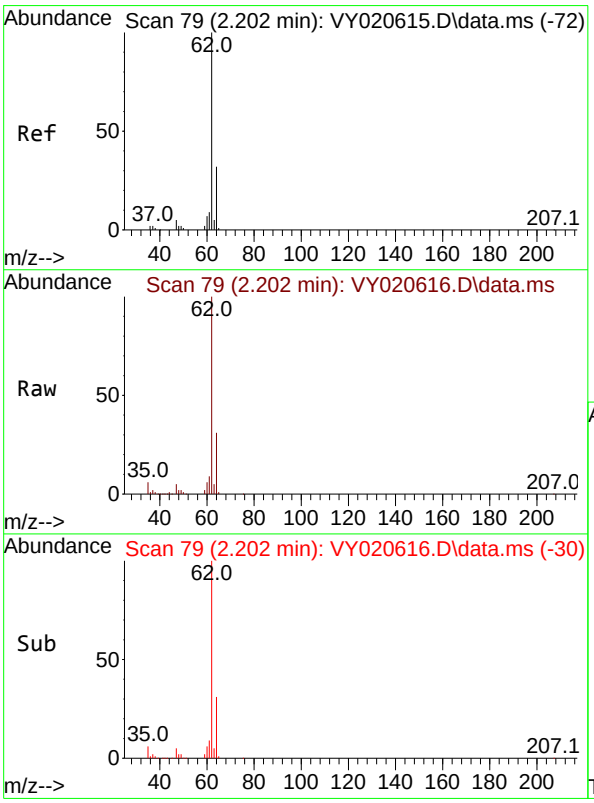
#3
Chloromethane
Concen: 92.044 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 149471

Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.8	40.2

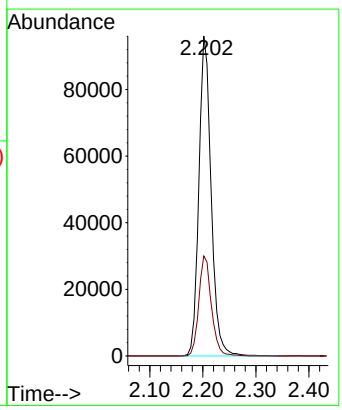


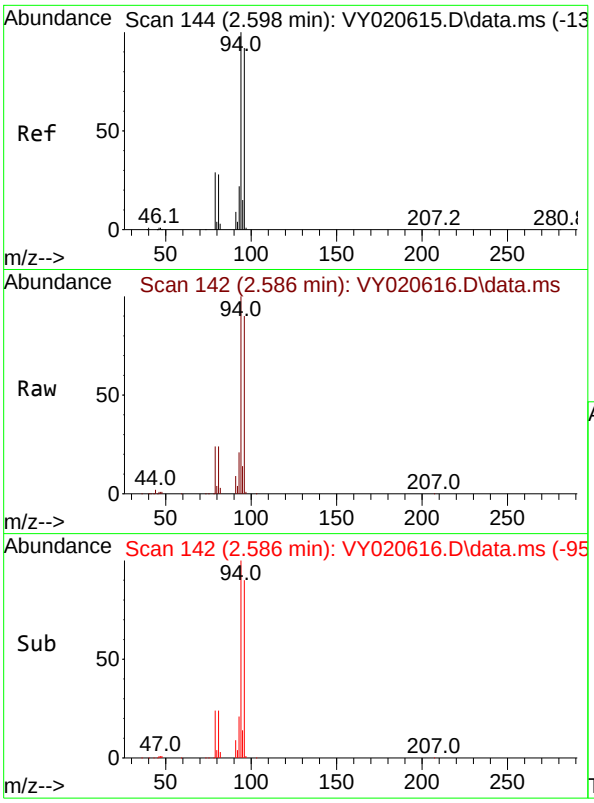


#4
Vinyl Chloride
Concen: 102.062 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 62 Resp: 154262

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.3	37.9



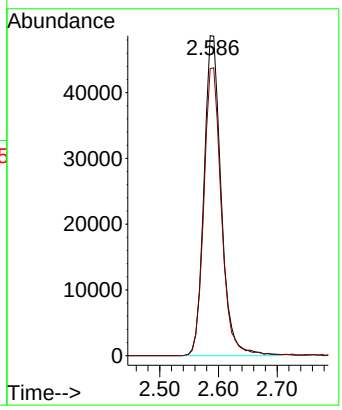


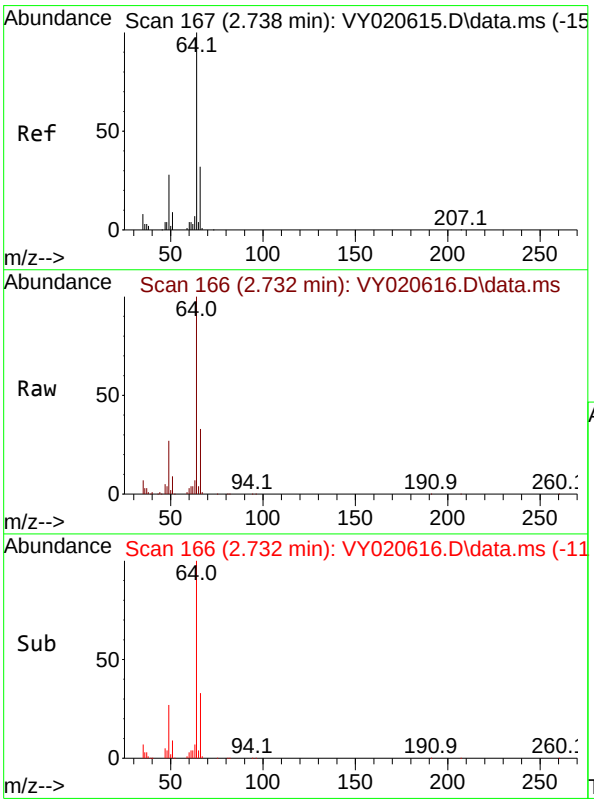
#5
Bromomethane
Concen: 101.715 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 98824

Ion	Ratio	Lower	Upper
94	100		
96	89.7	73.8	110.6

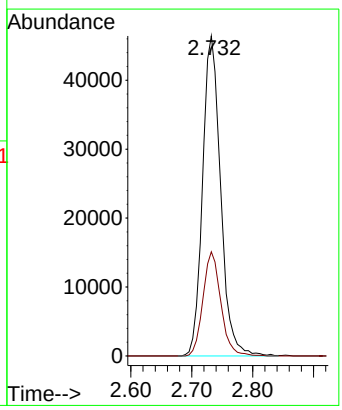


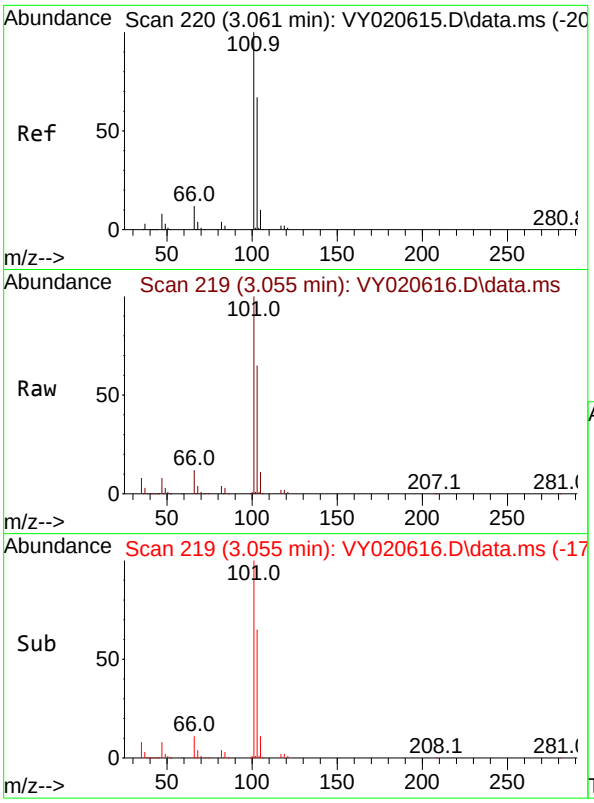


#6
Chloroethane
Concen: 102.376 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 64 Resp: 95621

Ion	Ratio	Lower	Upper
64	100		
66	32.6	25.8	38.6



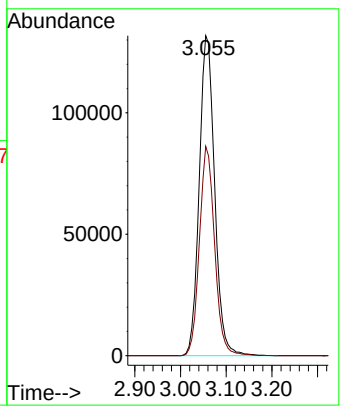


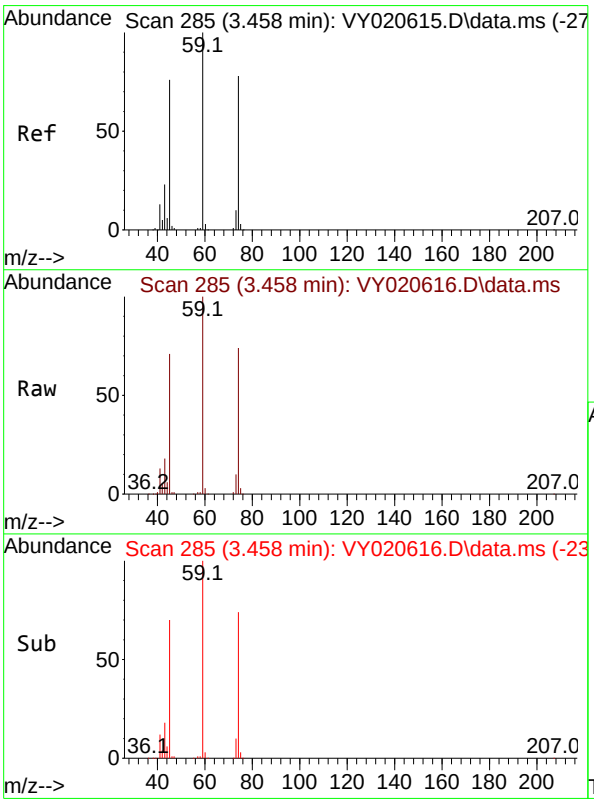
#7
Trichlorofluoromethane
Concen: 97.464 ug/l
RT: 3.055 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 308242

Ion	Ratio	Lower	Upper
101	100		
103	65.4	53.4	80.0

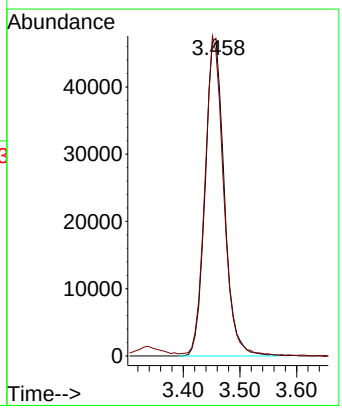


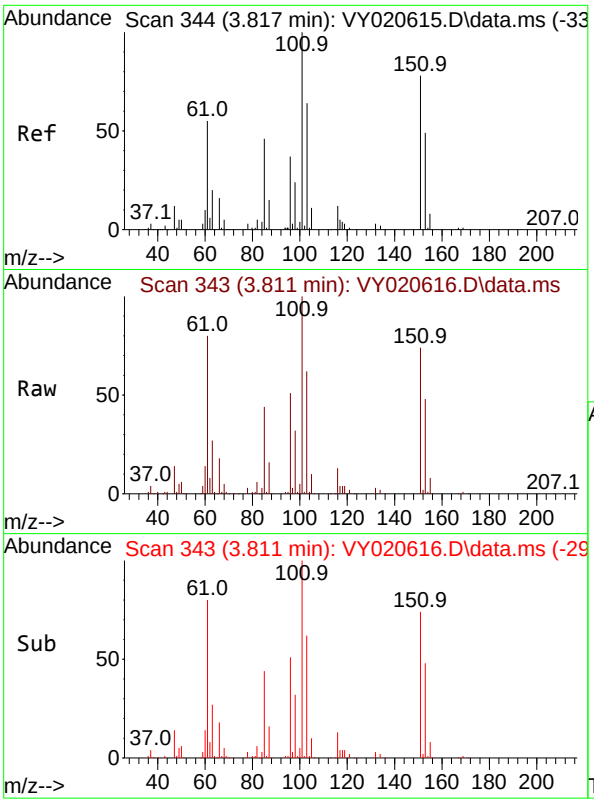


#8
Diethyl Ether
Concen: 99.599 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 74 Resp: 110471

Ion	Ratio	Lower	Upper
74	100		
45	98.7	49.0	147.2



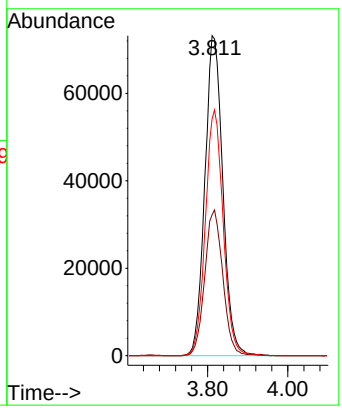


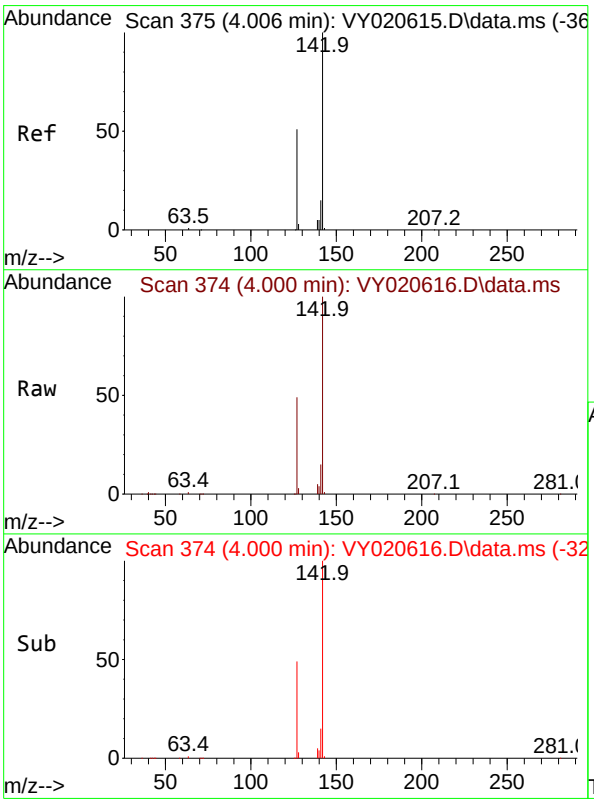
#9
1,1,2-Trichlorotrifluoroethane
Concen: 100.469 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 227753

Ion	Ratio	Lower	Upper
101	100		
85	45.9	36.6	54.8
151	76.3	61.5	92.3

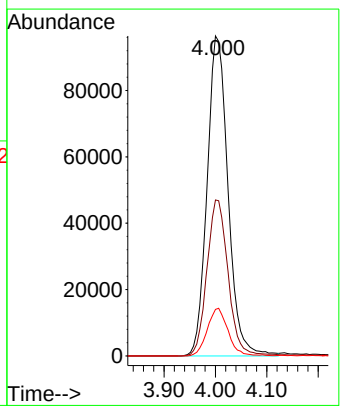


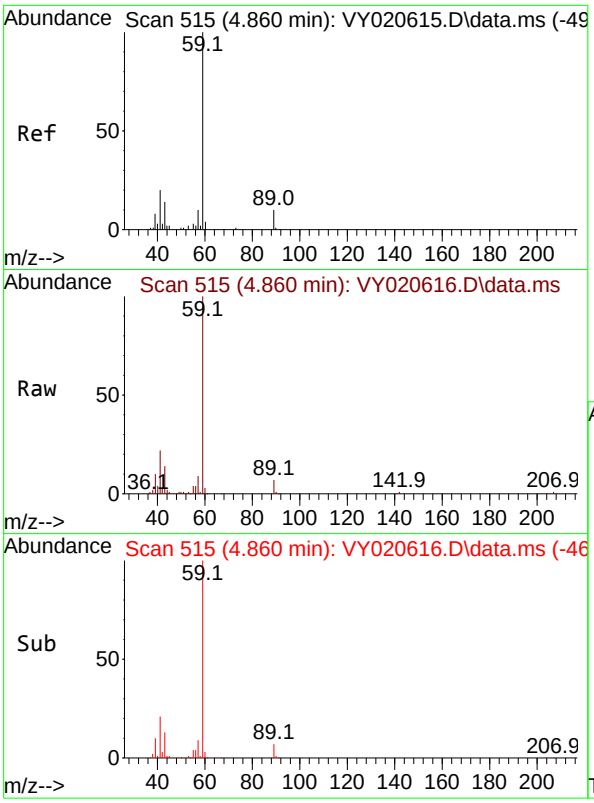


#10
Methyl Iodide
Concen: 108.168 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:142 Resp: 272999

Ion	Ratio	Lower	Upper
142	100		
127	49.5	40.6	61.0
141	14.8	11.7	17.5



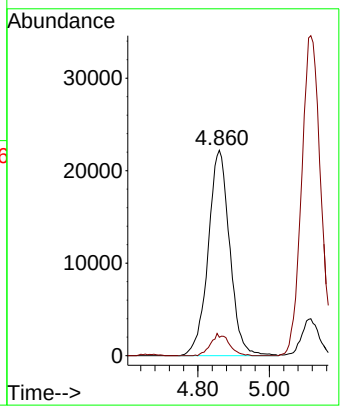


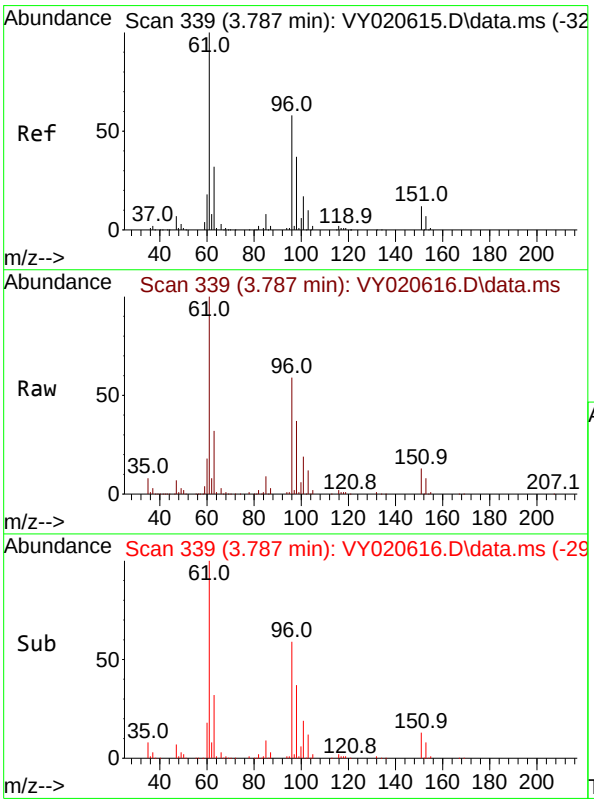
#11
Tert butyl alcohol
Concen: 533.746 ug/l
RT: 4.860 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 92710

Ion	Ratio	Lower	Upper
59	100		
57	9.1	7.4	11.0

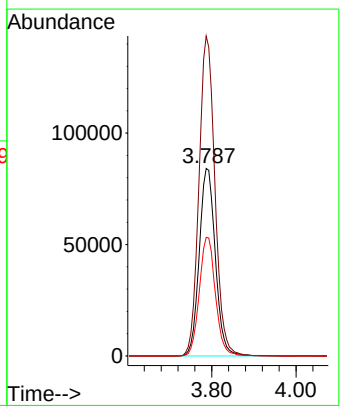


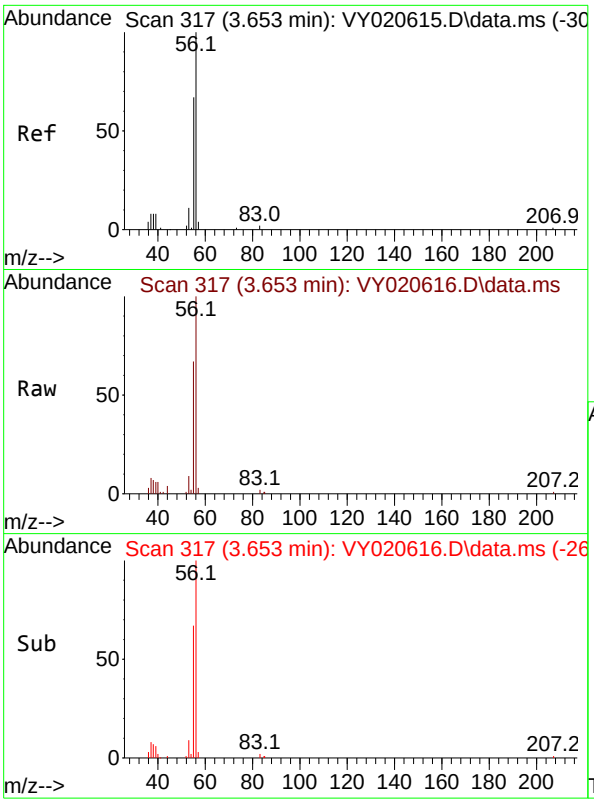


#12
1,1-Dichloroethene
Concen: 101.847 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 96 Resp: 224015

Ion	Ratio	Lower	Upper
96	100		
61	170.6	136.9	205.3
98	63.2	50.2	75.4



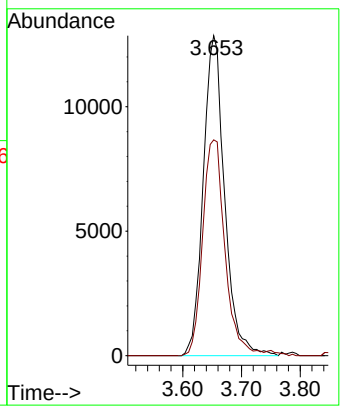


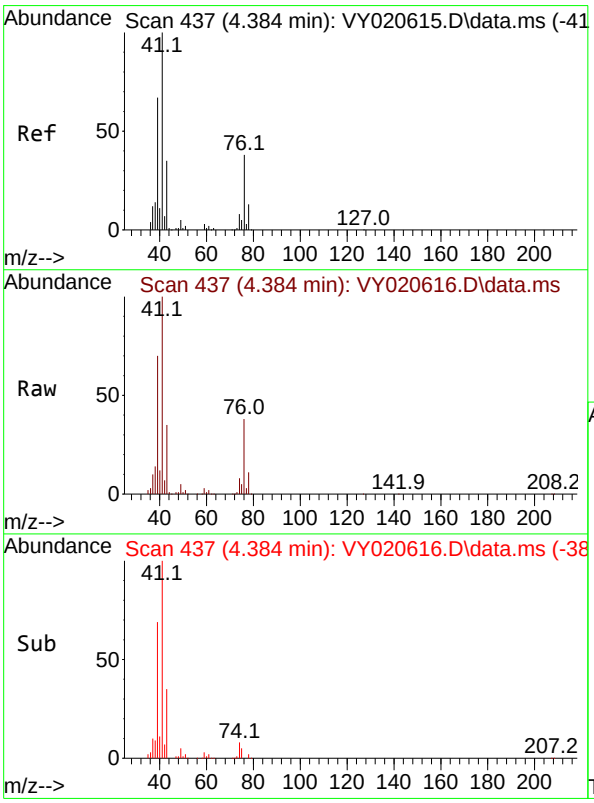
#13
Acrolein
Concen: 357.929 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 32525

Ion	Ratio	Lower	Upper
56	100		
55	70.0	57.5	86.3

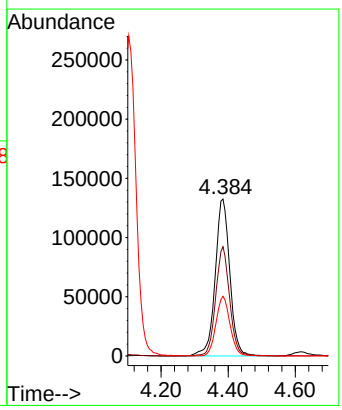


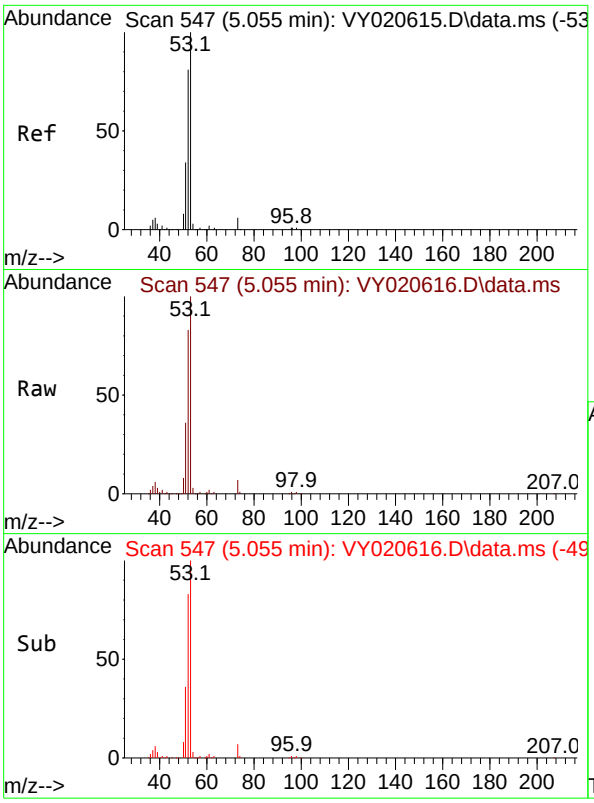


#14
Allyl chloride
Concen: 104.161 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 41 Resp: 401452

Ion	Ratio	Lower	Upper
41	100		
39	66.2	53.0	79.4
76	36.1	29.5	44.3



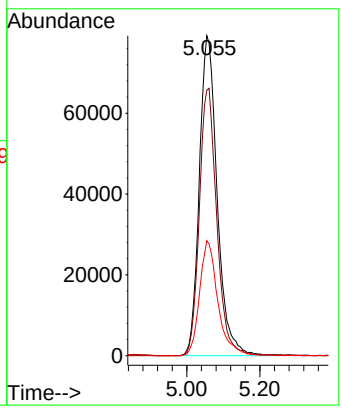


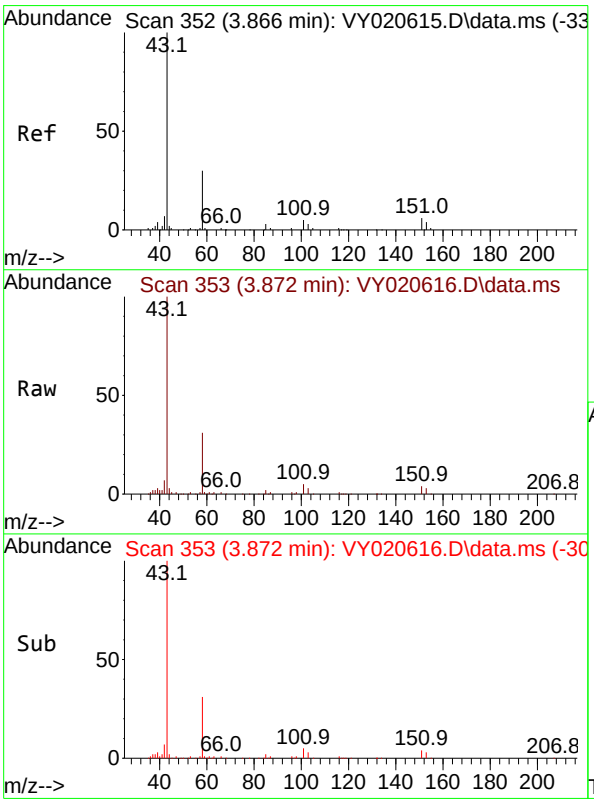
#15
Acrylonitrile
Concen: 506.539 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 268782

Ion	Ratio	Lower	Upper
53	100		
52	81.7	64.5	96.7
51	36.7	29.4	44.0

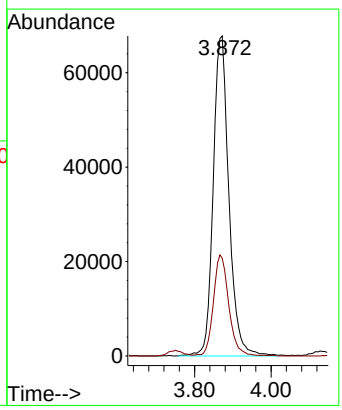


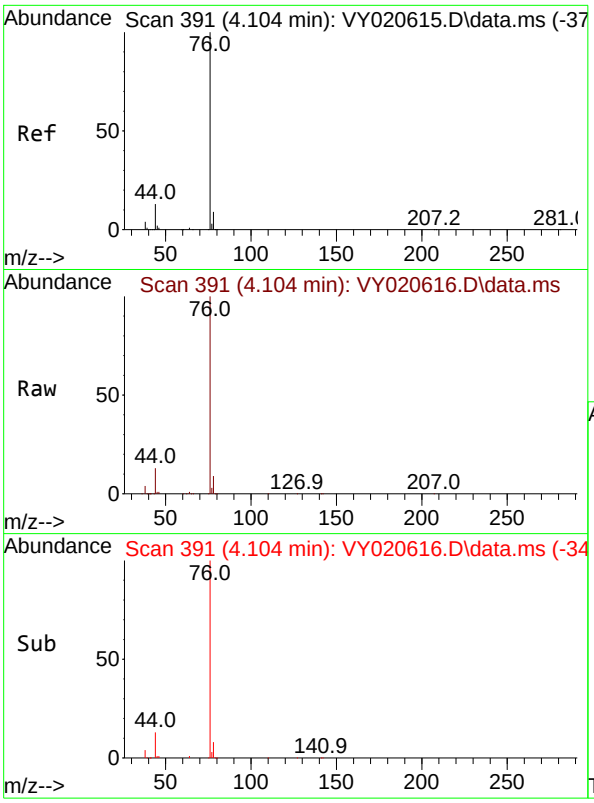


#16
Acetone
Concen: 512.024 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 43 Resp: 192907

Ion	Ratio	Lower	Upper
43	100		
58	30.6	25.0	37.6



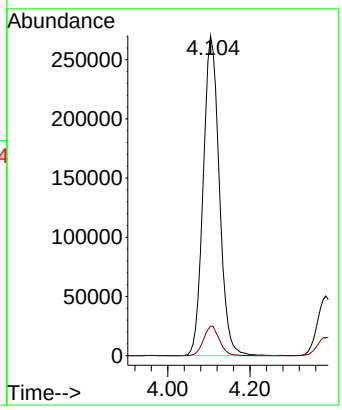


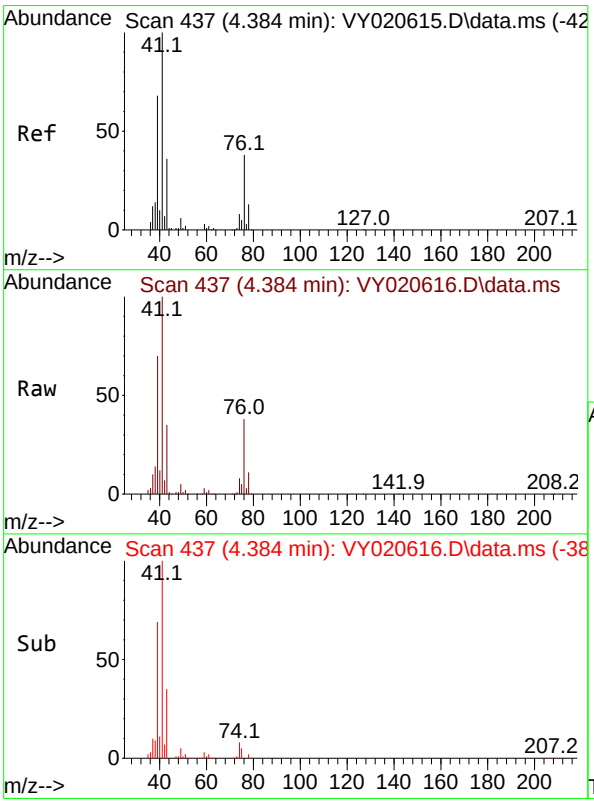
#17
Carbon Disulfide
Concen: 102.553 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 734236

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

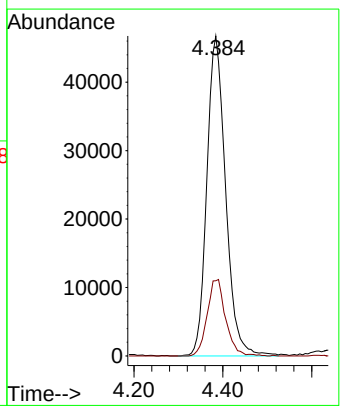


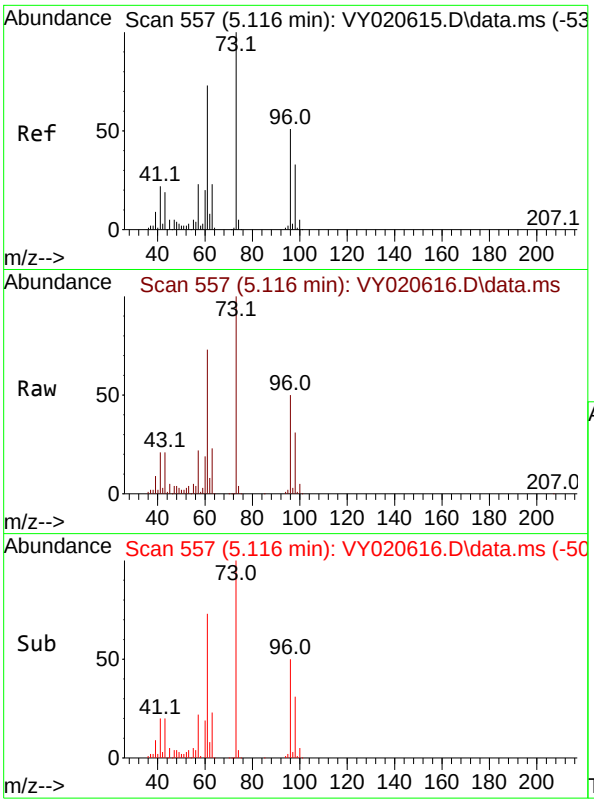


#18
Methyl Acetate
Concen: 104.906 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 43 Resp: 137166

Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.2	28.8



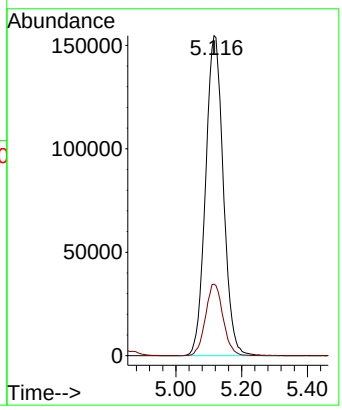


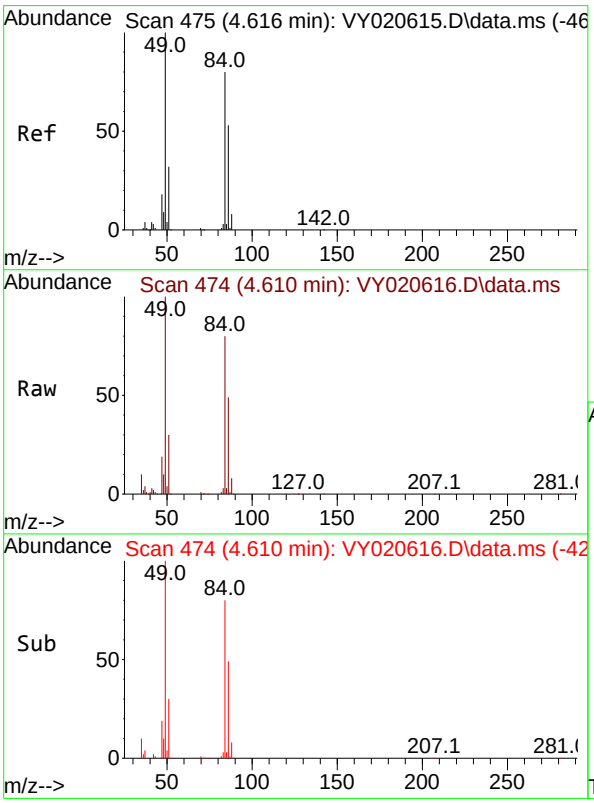
#19
Methyl tert-butyl Ether
Concen: 102.132 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 579813

Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.5	27.7

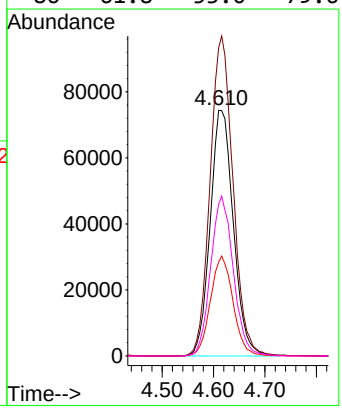


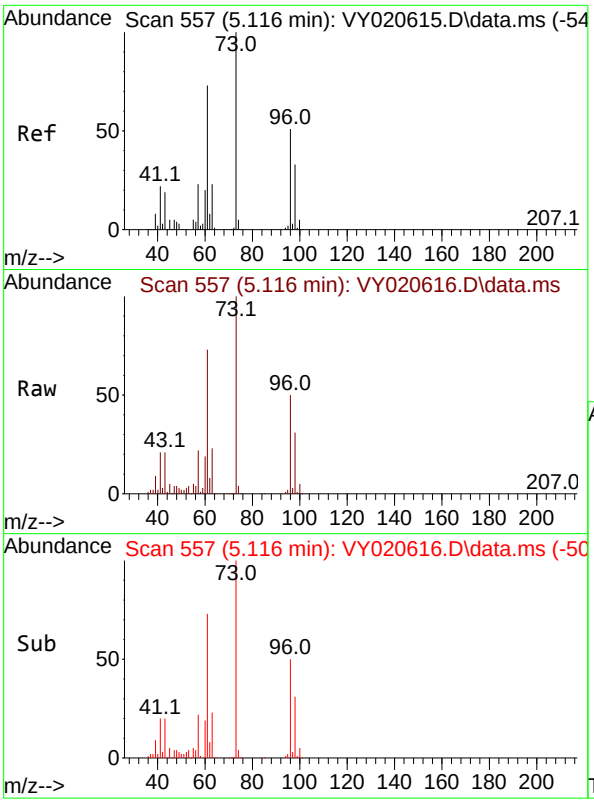


#20
Methylene Chloride
Concen: 97.650 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 84 Resp: 233323

Ion	Ratio	Lower	Upper
84	100		
49	125.5	100.7	151.1
51	38.2	32.2	48.2
86	61.8	53.0	79.6



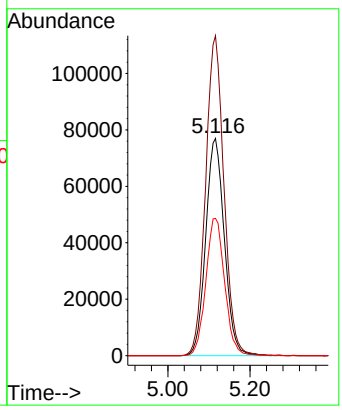


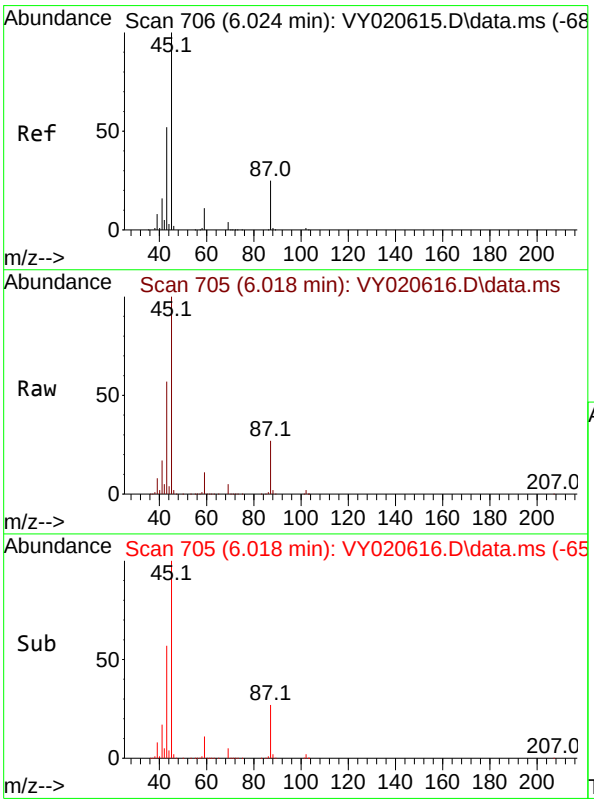
#21
trans-1,2-Dichloroethene
Concen: 98.365 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 242695

Ion	Ratio	Lower	Upper
96	100		
61	147.3	113.7	170.5
98	63.2	51.7	77.5

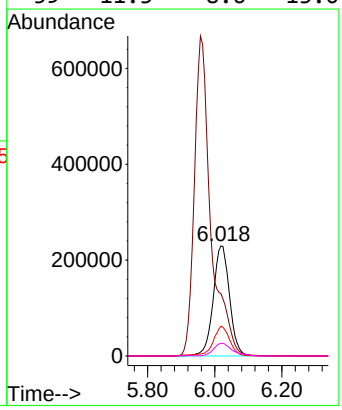


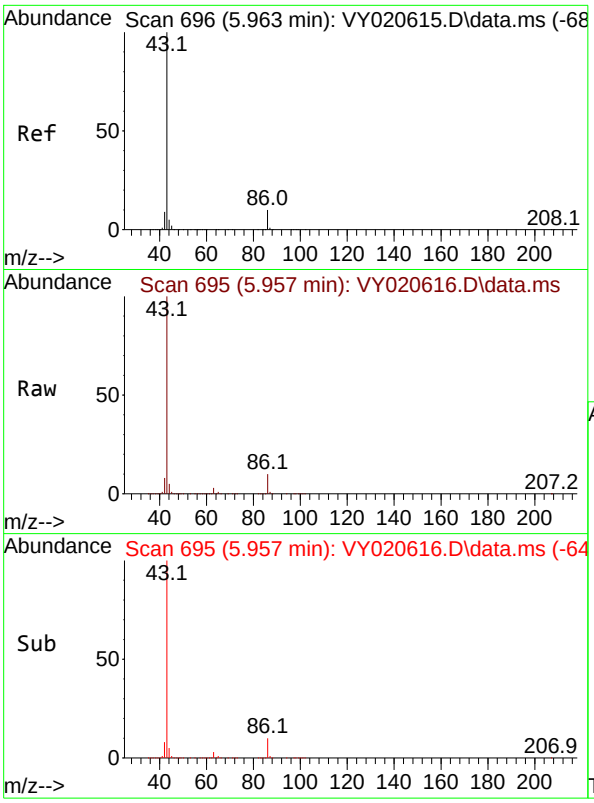


#22
Diisopropyl ether
Concen: 99.391 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 45 Resp: 777568

Ion	Ratio	Lower	Upper
45	100		
43	56.5	42.6	64.0
87	27.1	20.6	31.0
59	11.3	8.6	13.0



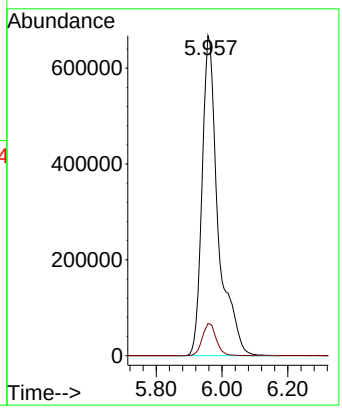


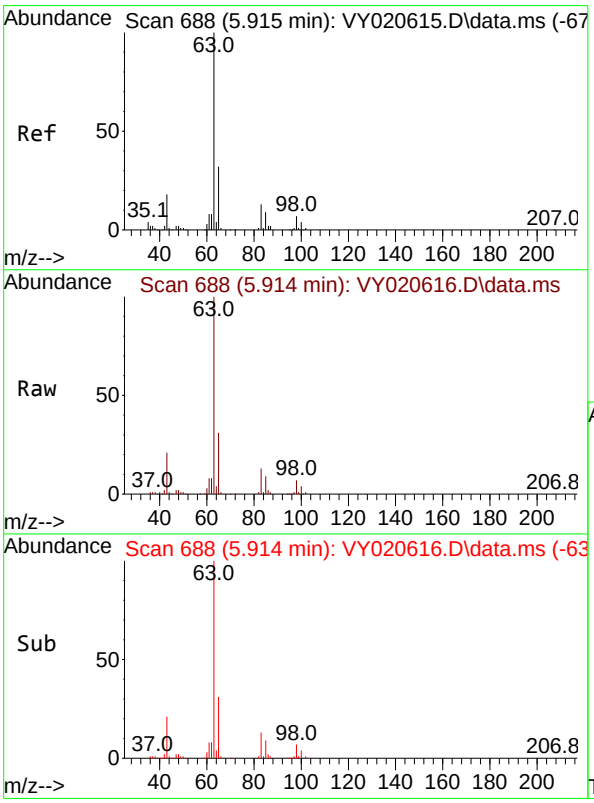
#23
Vinyl Acetate
Concen: 512.739 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2271891

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1

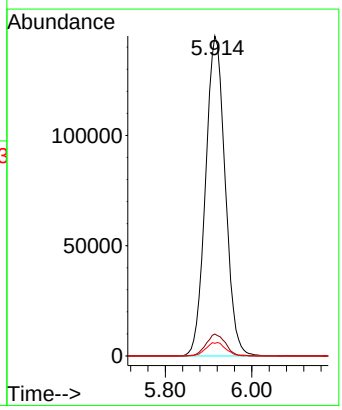


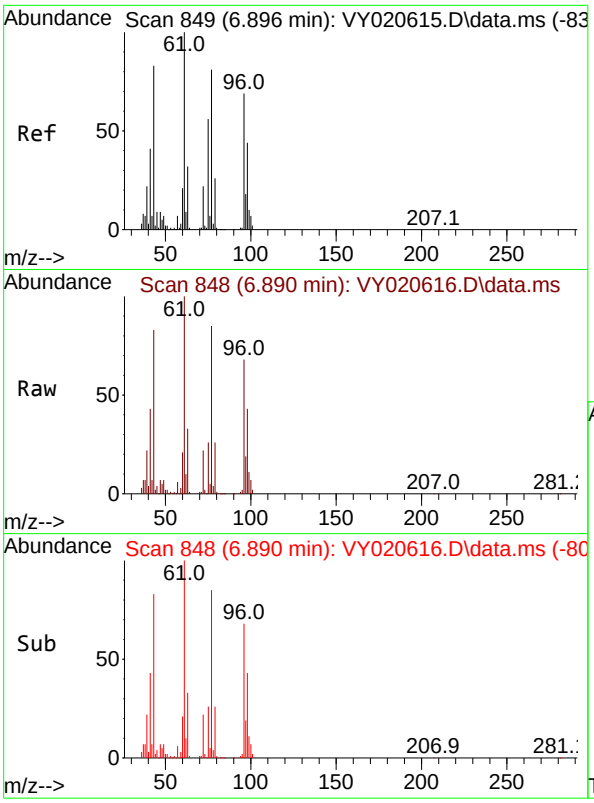


#24
1,1-Dichloroethane
Concen: 99.510 ug/l
RT: 5.914 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 63 Resp: 456073

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.4	10.1
100	4.0	2.1	6.5



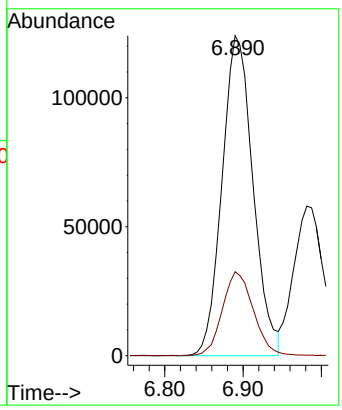


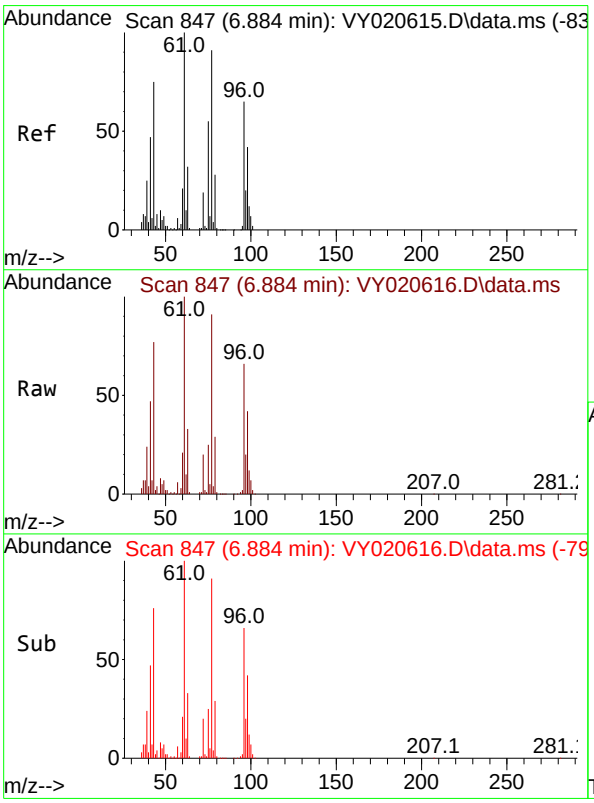
#25
2-Butanone
Concen: 478.150 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 341489

Ion	Ratio	Lower	Upper
43	100		
72	26.2	20.6	31.0

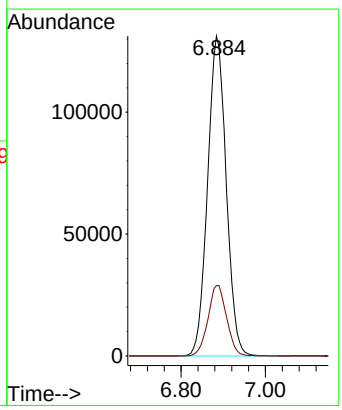


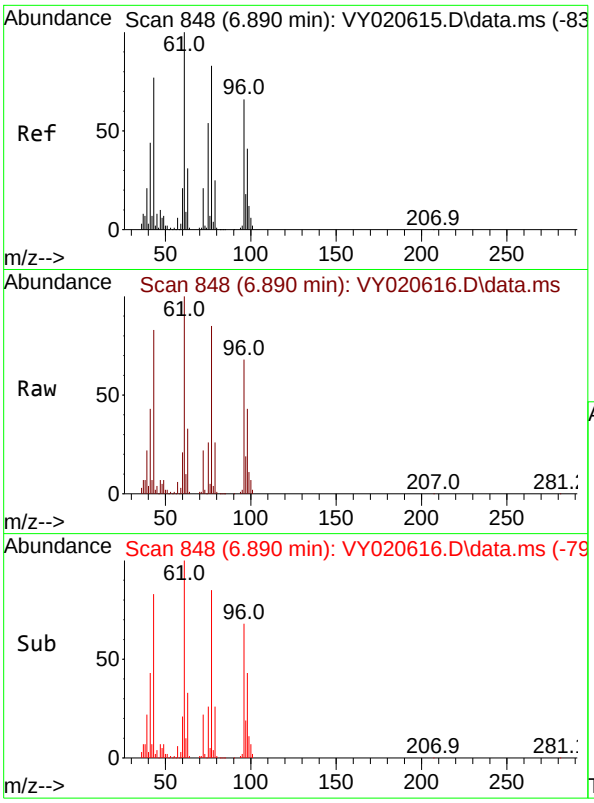


#26
2,2-Dichloropropane
Concen: 92.822 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 77 Resp: 402163

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.6



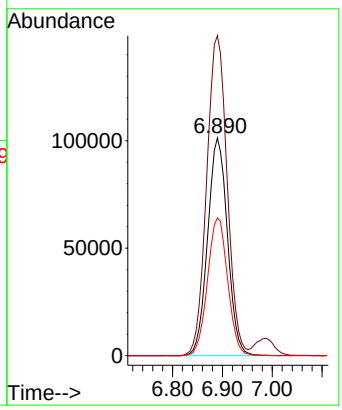


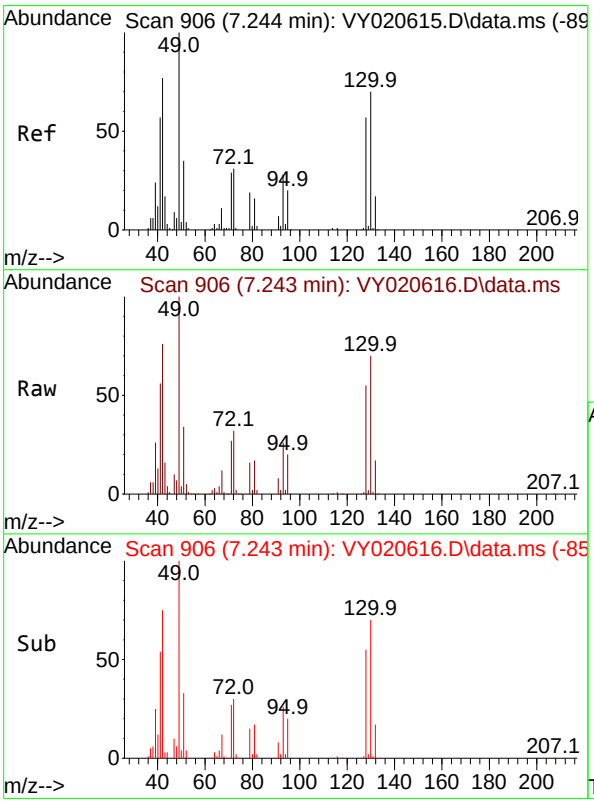
#27
cis-1,2-Dichloroethene
Concen: 98.523 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 279676

Ion	Ratio	Lower	Upper
96	100		
61	151.7	0.0	306.2
98	64.4	0.0	127.2

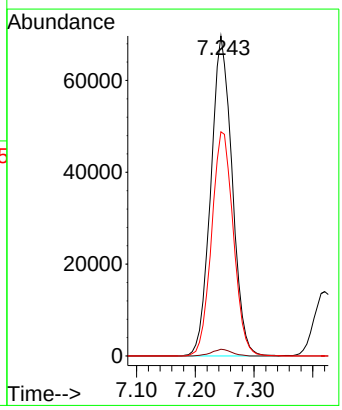


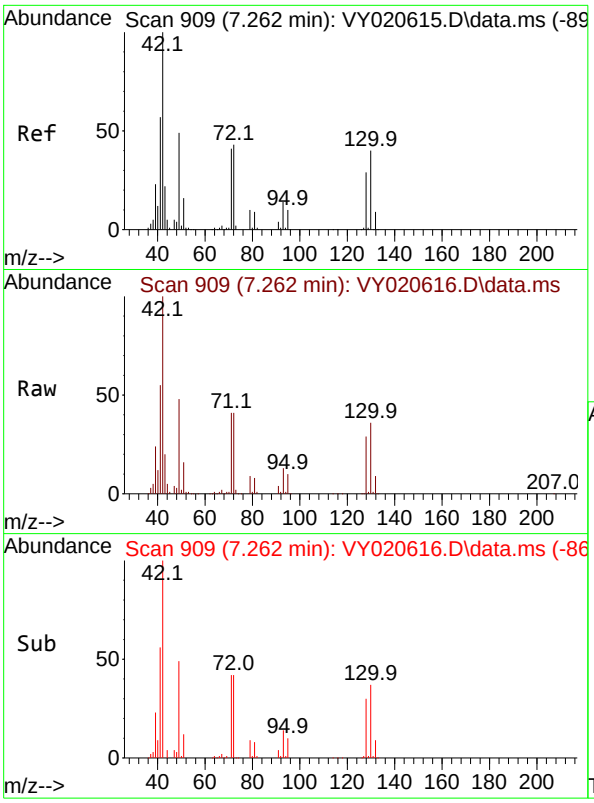


#28
Bromochloromethane
Concen: 113.661 ug/l
RT: 7.243 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 49 Resp: 175710

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	71.4	58.3	87.5



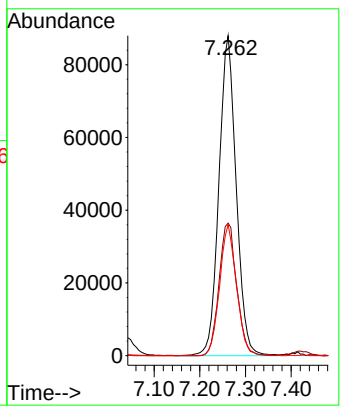


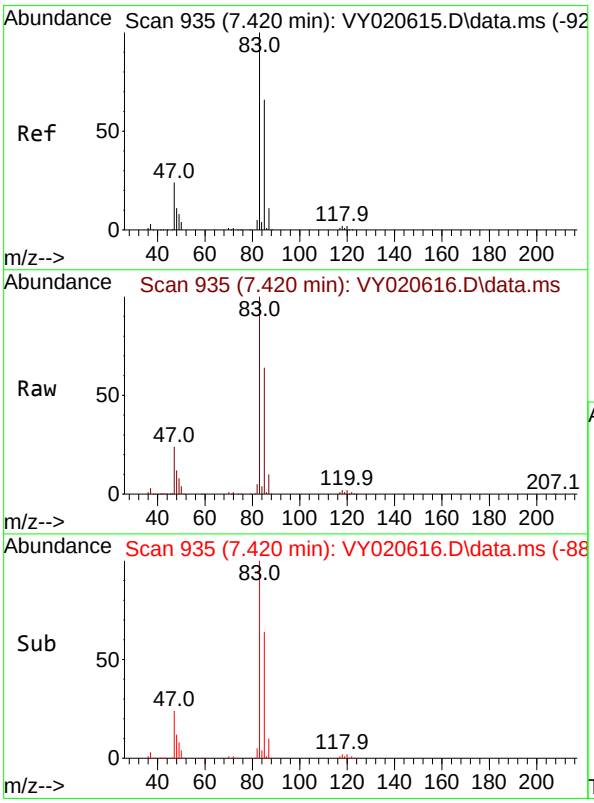
#29
Tetrahydrofuran
Concen: 512.090 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 230877

Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.0	51.0
71	39.9	31.6	47.4

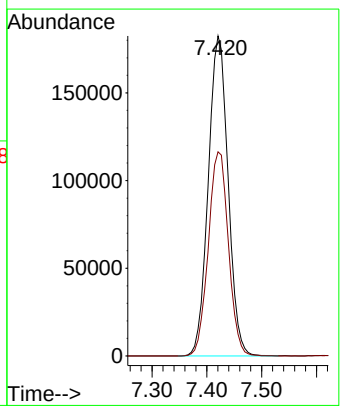


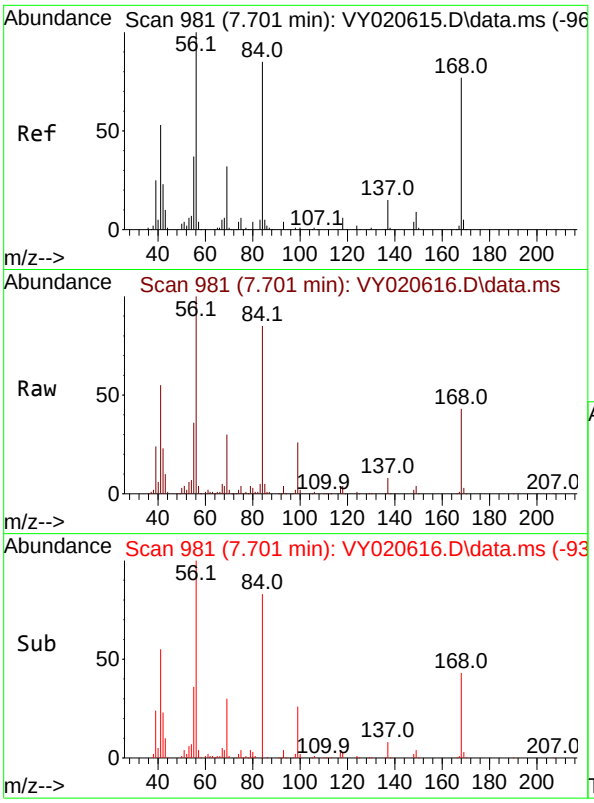


#30
Chloroform
Concen: 105.160 ug/l
RT: 7.420 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 83 Resp: 457070

Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.7	79.1



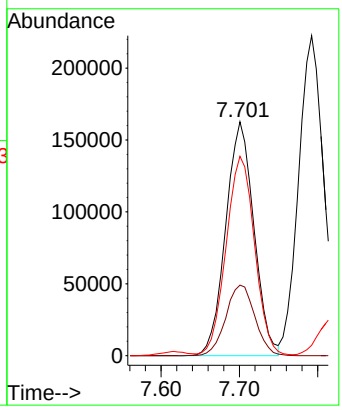


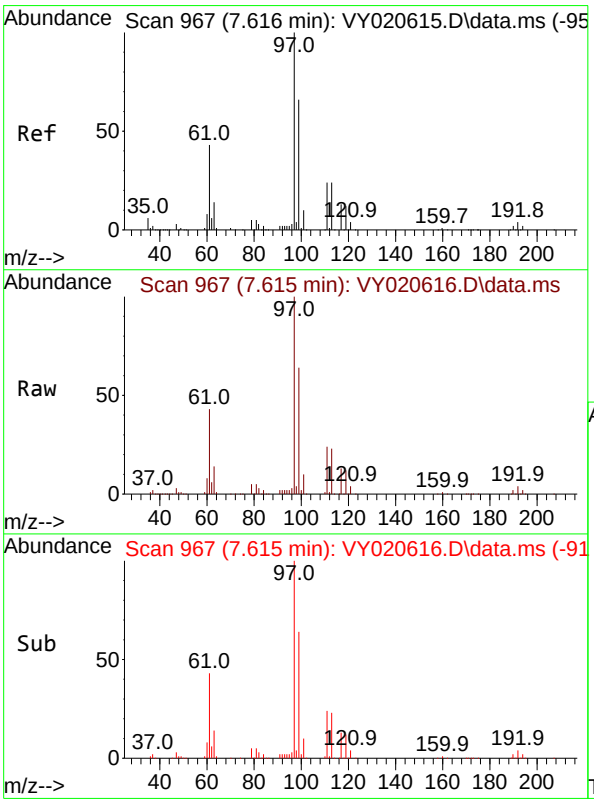
#31
Cyclohexane
Concen: 92.899 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 407104

Ion	Ratio	Lower	Upper
56	100		
69	30.2	25.4	38.0
84	83.7	68.3	102.5

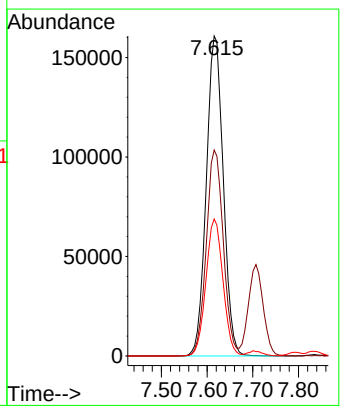


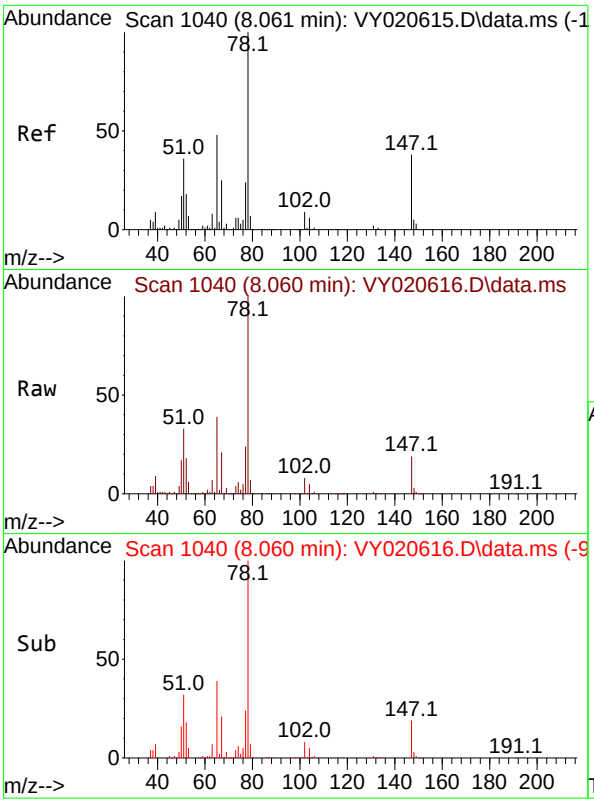


#32
1,1,1-Trichloroethane
Concen: 98.578 ug/l
RT: 7.615 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 97 Resp: 415073

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	43.0	34.7	52.1



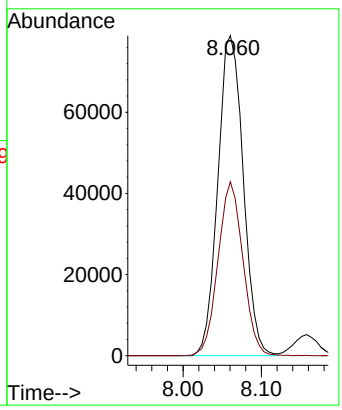


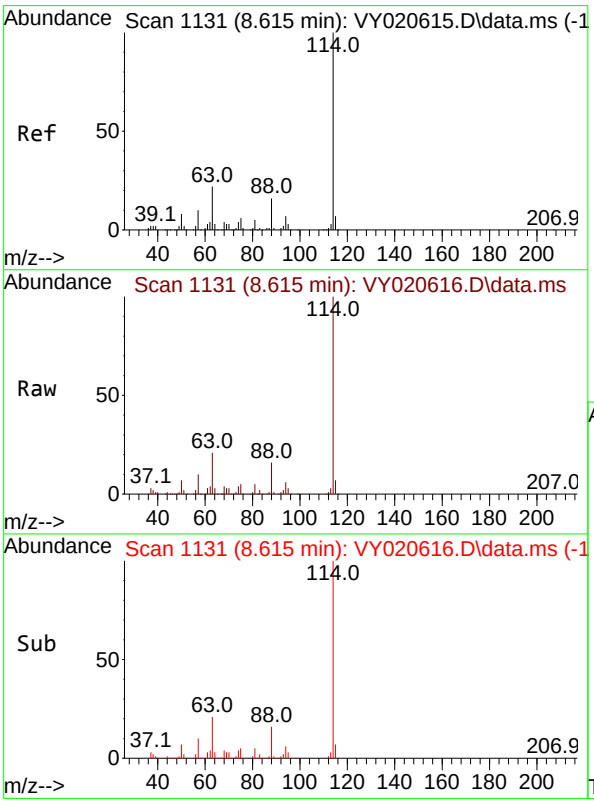
#33
1,2-Dichloroethane-d4
Concen: 92.612 ug/l
RT: 8.060 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 177978

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	108.0

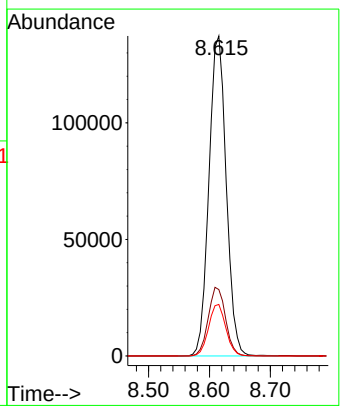


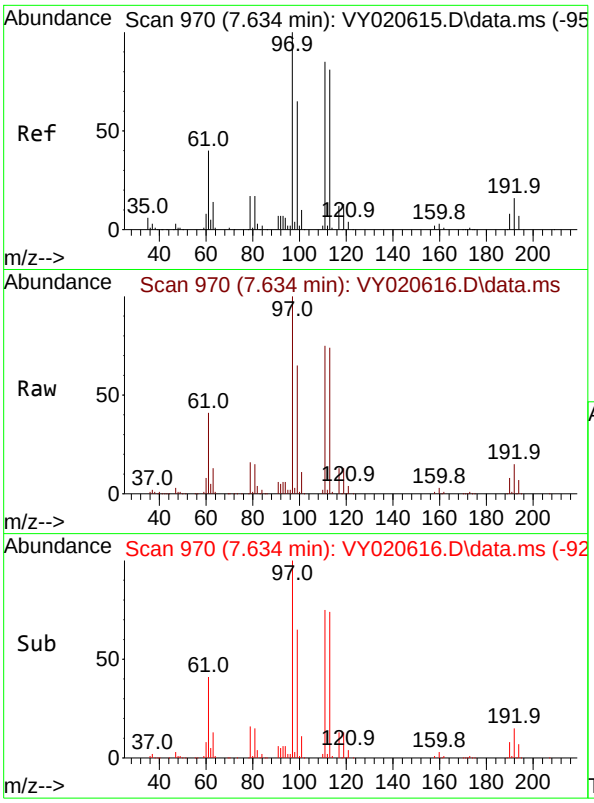


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:114 Resp: 270859

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	44.0
88	16.1	0.0	32.8



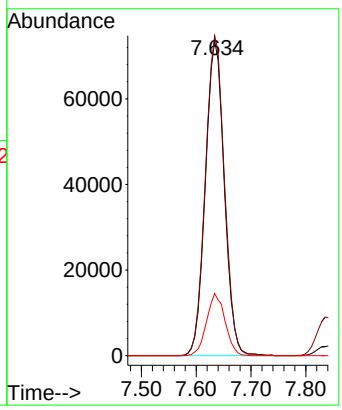


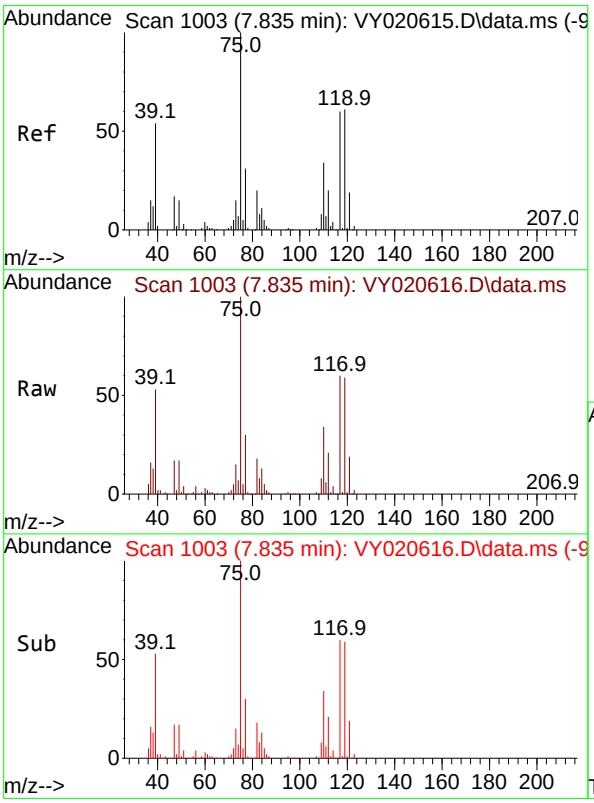
#35
Dibromofluoromethane
Concen: 92.118 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 175849

Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.9	124.3
192	19.3	15.7	23.5

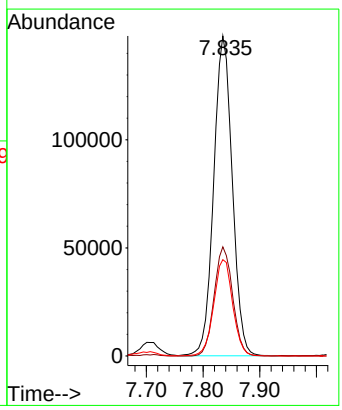


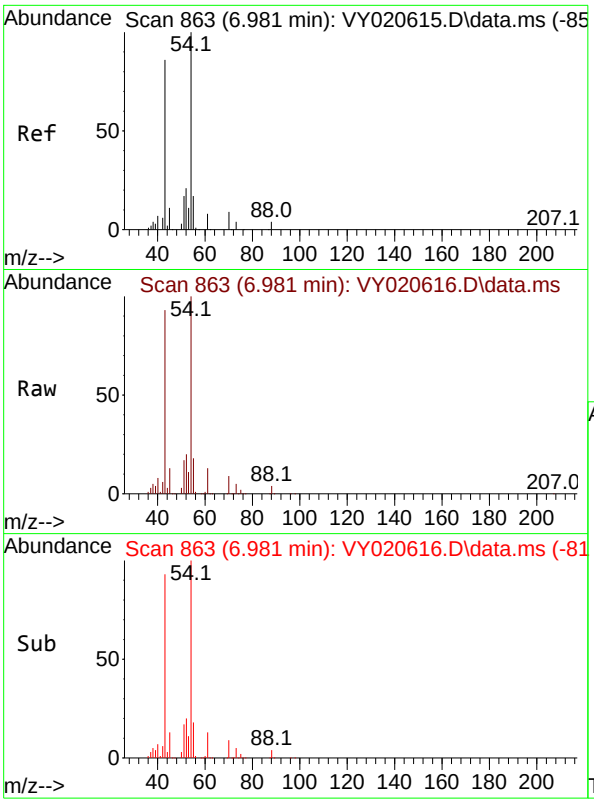


#36
1,1-Dichloropropene
Concen: 96.854 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 75 Resp: 337138

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.8	50.4
77	30.7	25.0	37.6



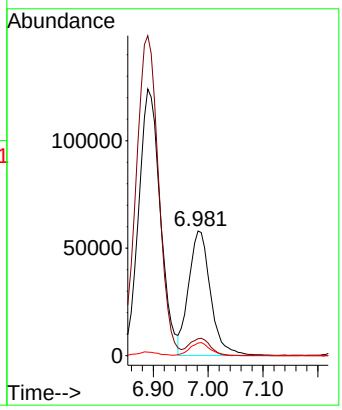


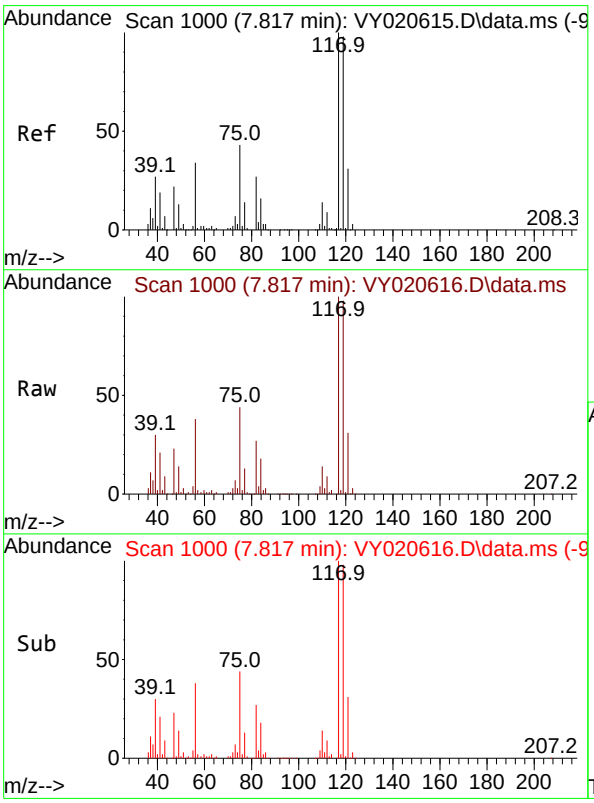
#37
Ethyl Acetate
Concen: 97.867 ug/l
RT: 6.981 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 160241

Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	9.9	7.9	11.9

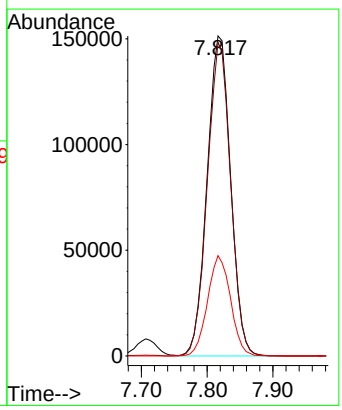


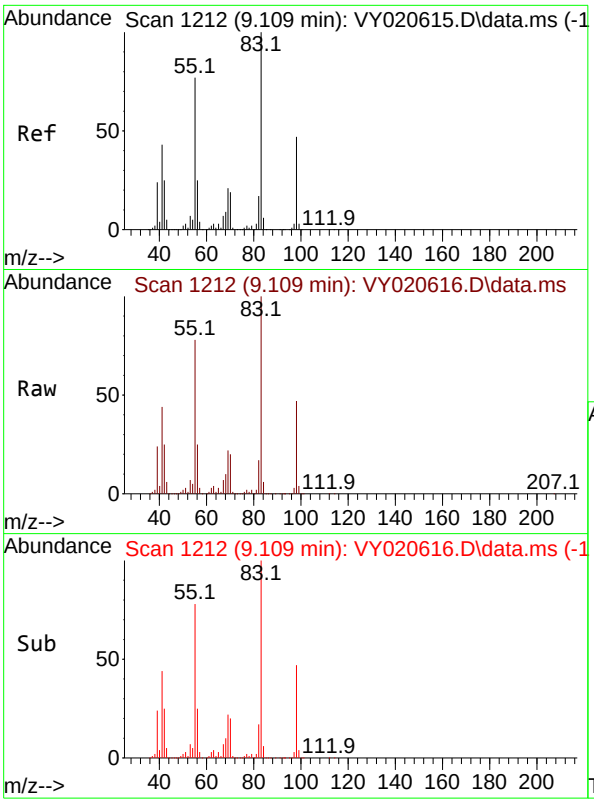


#38
Carbon Tetrachloride
Concen: 97.998 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:117 Resp: 377406

Ion	Ratio	Lower	Upper
117	100		
119	97.9	78.3	117.5
121	31.4	25.1	37.7



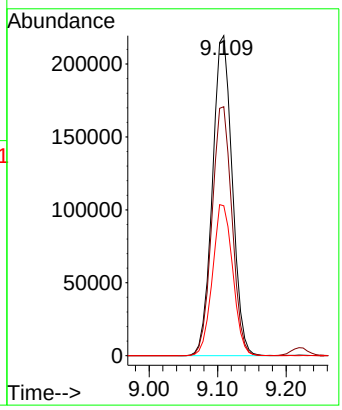


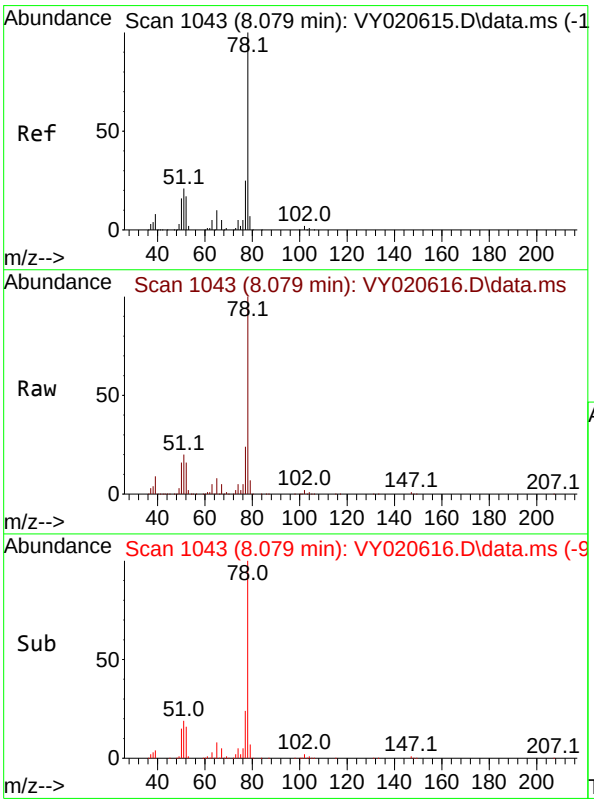
#39
Methylcyclohexane
Concen: 96.986 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 440006

Ion	Ratio	Lower	Upper
83	100		
55	77.8	61.4	92.0
98	46.9	37.3	55.9

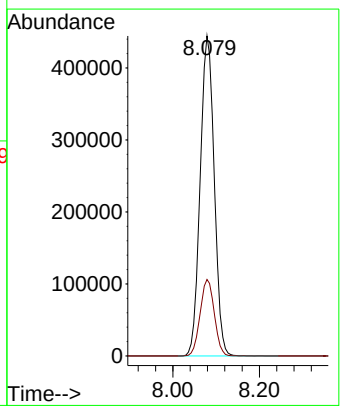


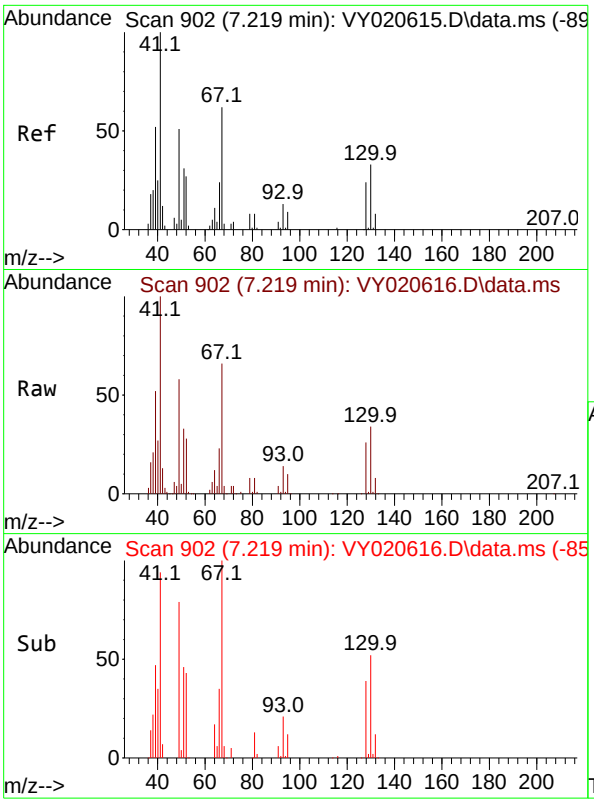


#40
Benzene
Concen: 98.064 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 78 Resp: 1000543

Ion	Ratio	Lower	Upper
78	100		
77	23.9	20.1	30.1



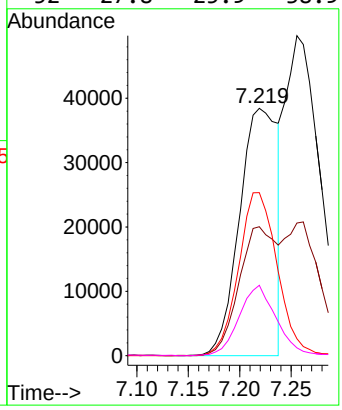


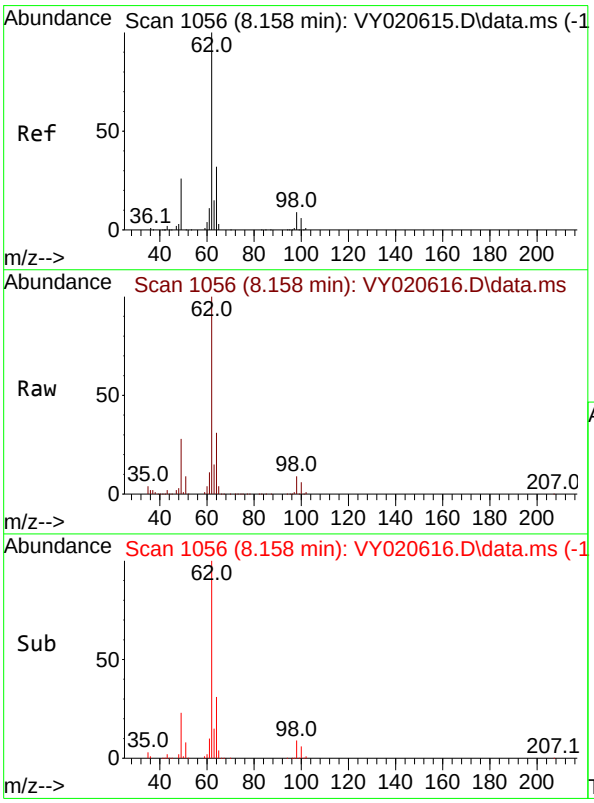
#41
Methacrylonitrile
Concen: 114.810 ug/l
RT: 7.219 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 99381

Ion	Ratio	Lower	Upper
41	100		
39	51.3	53.6	80.4#
67	67.0	62.0	93.0
52	27.8	25.9	38.9

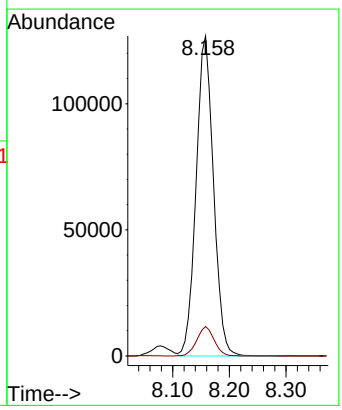


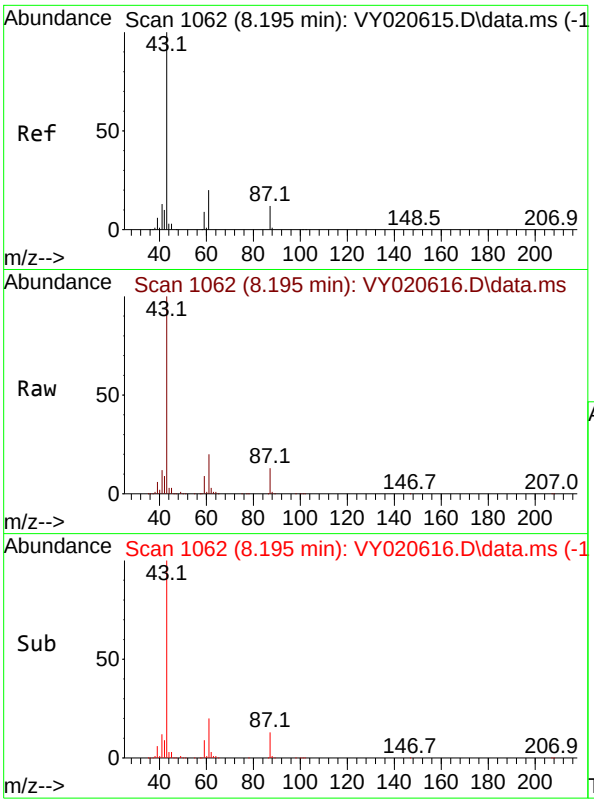


#42
1,2-Dichloroethane
Concen: 99.793 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 62 Resp: 270045

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.0



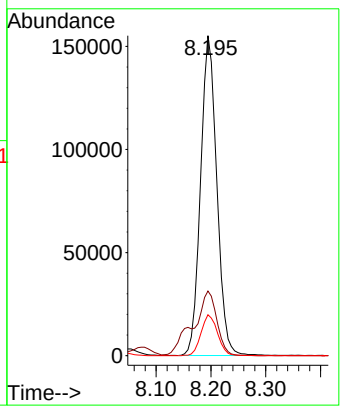


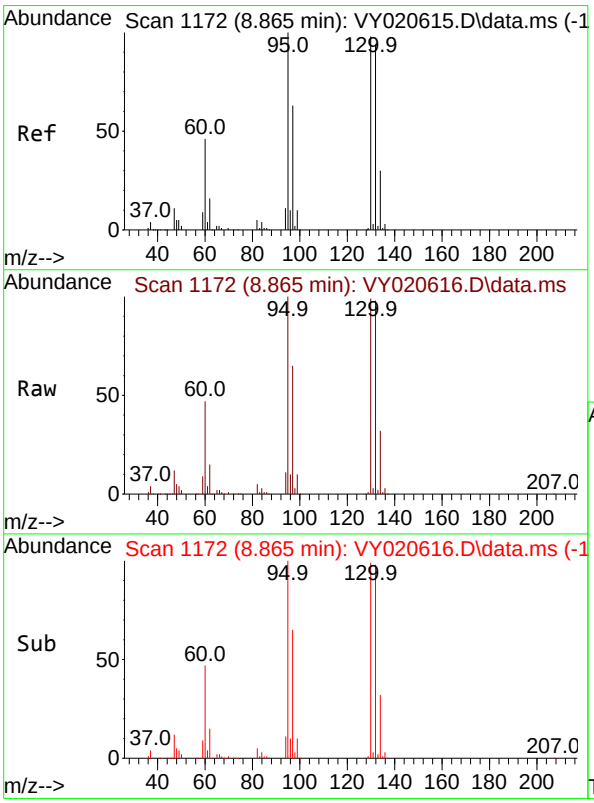
#43
Isopropyl Acetate
Concen: 102.879 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 318902

Ion	Ratio	Lower	Upper
43	100		
61	29.4	23.8	35.6
87	13.0	10.2	15.4

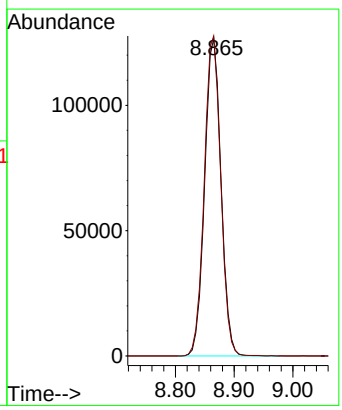


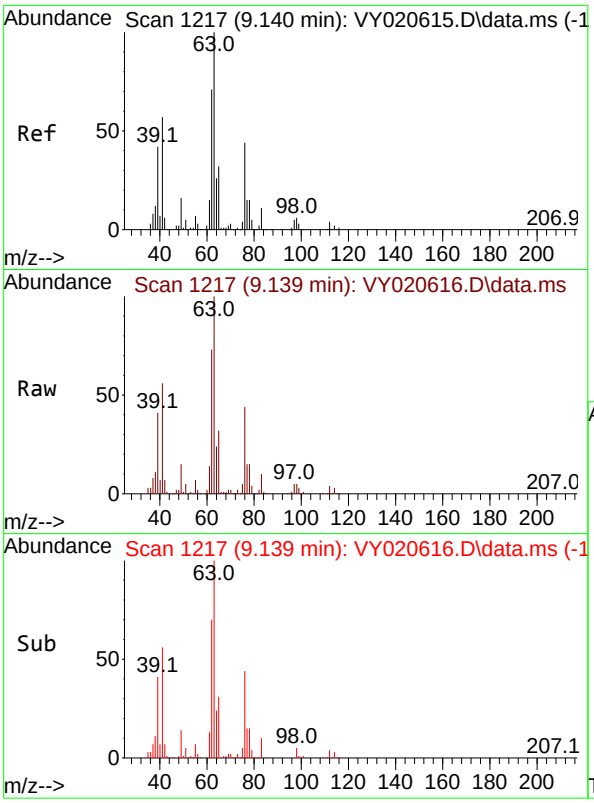


#44
Trichloroethene
Concen: 97.912 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:130 Resp: 245474

Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	203.2



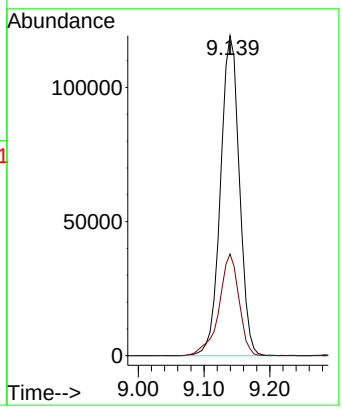


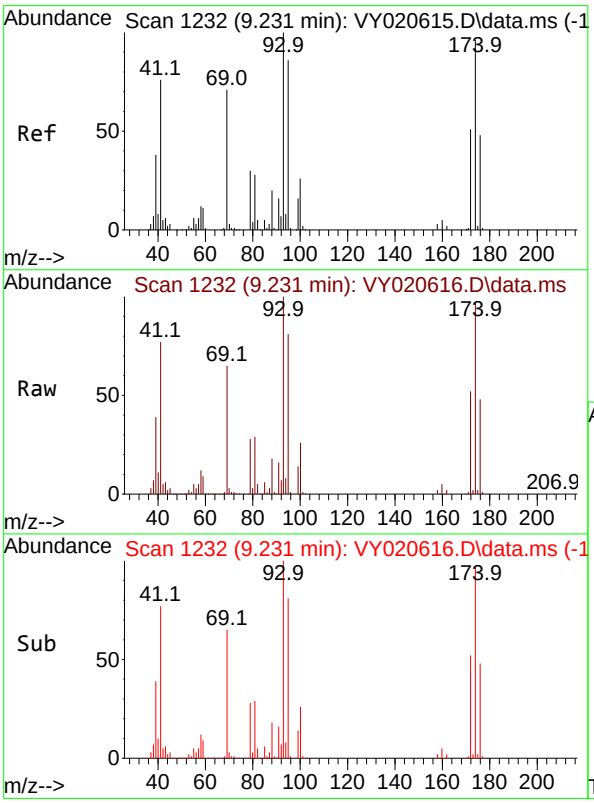
#45
1,2-Dichloropropane
Concen: 100.062 ug/l
RT: 9.139 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 238605

Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.9	38.9

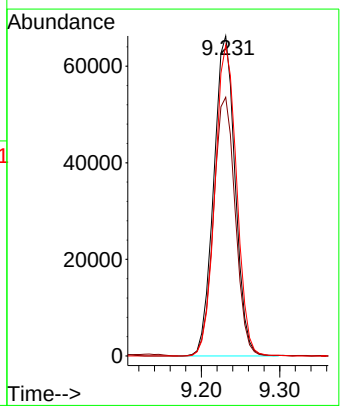


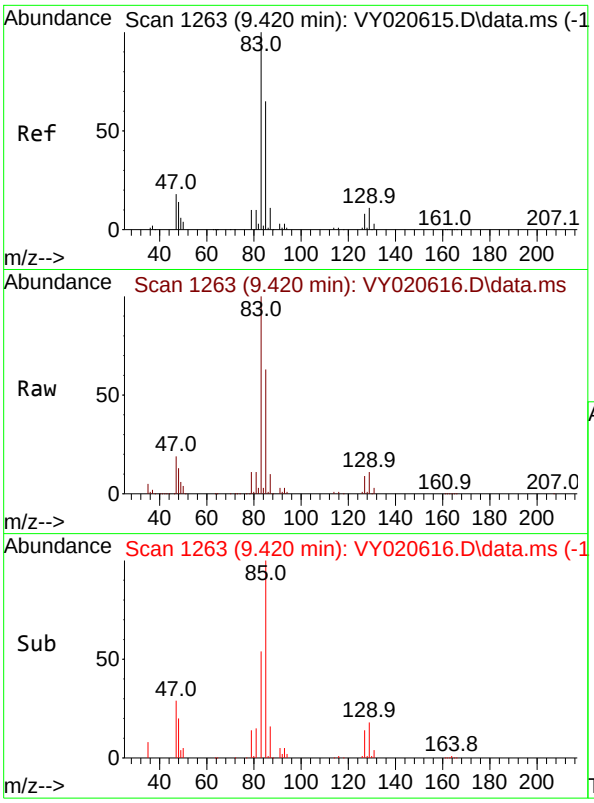


#46
Dibromomethane
Concen: 100.032 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 93 Resp: 126063

Ion	Ratio	Lower	Upper
93	100		
95	82.1	66.7	100.1
174	97.9	77.8	116.6



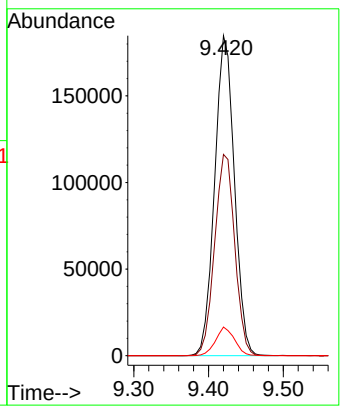


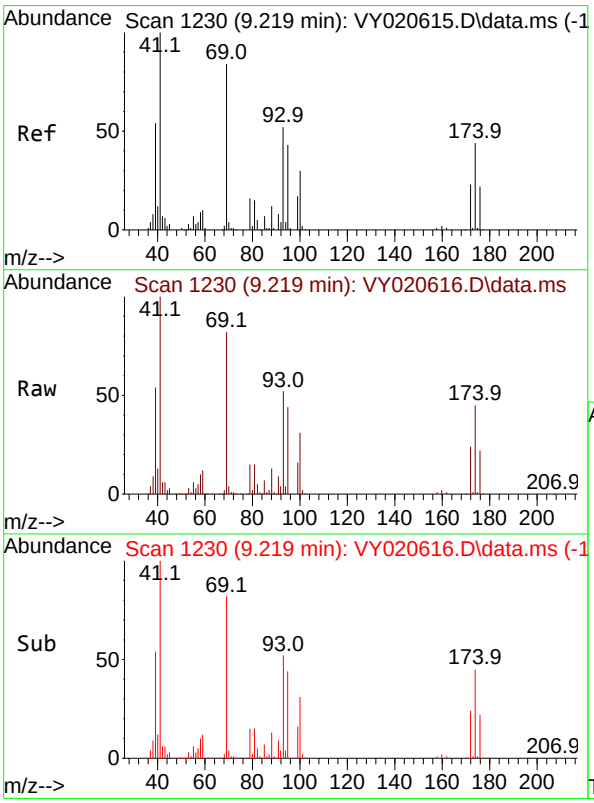
#47
Bromodichloromethane
Concen: 99.796 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 339720

Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.1	78.1
127	8.9	6.7	10.1

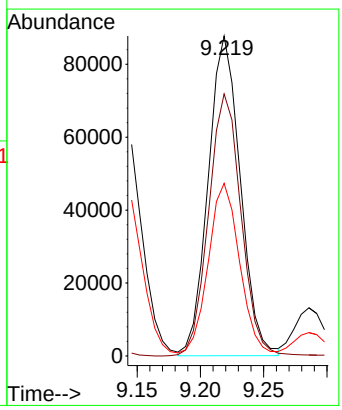


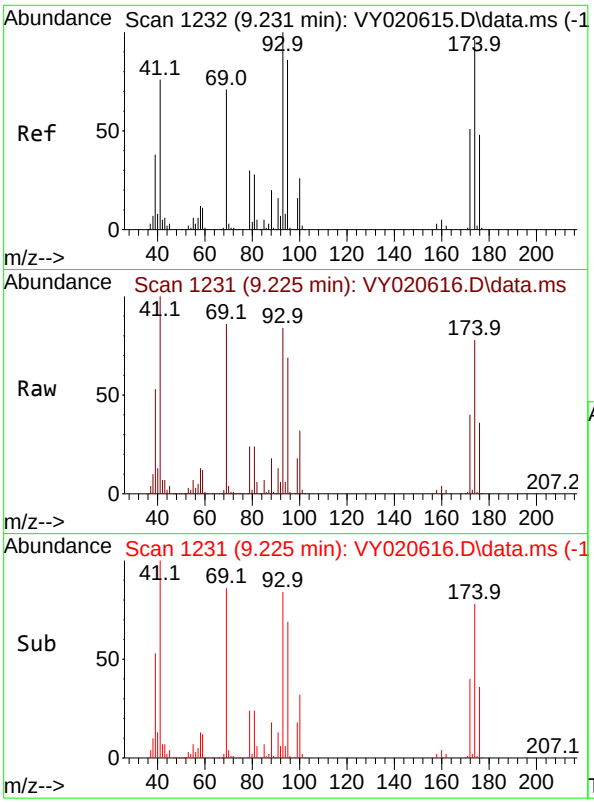


#48
Methyl methacrylate
Concen: 105.079 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 41 Resp: 154845

Ion	Ratio	Lower	Upper
41	100		
69	83.1	67.2	100.8
39	51.3	42.2	63.4



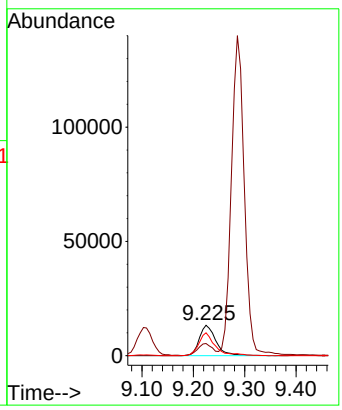


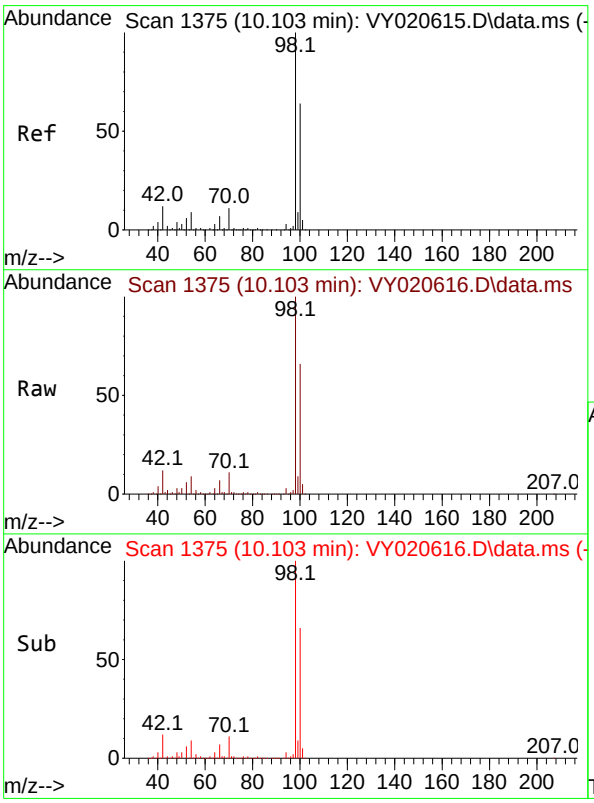
#49
1,4-Dioxane
Concen: 2066.774 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 29870

Ion	Ratio	Lower	Upper
88	100		
43	36.4	27.6	41.4
58	74.7	61.7	92.5

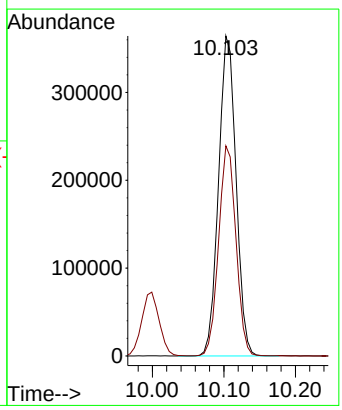


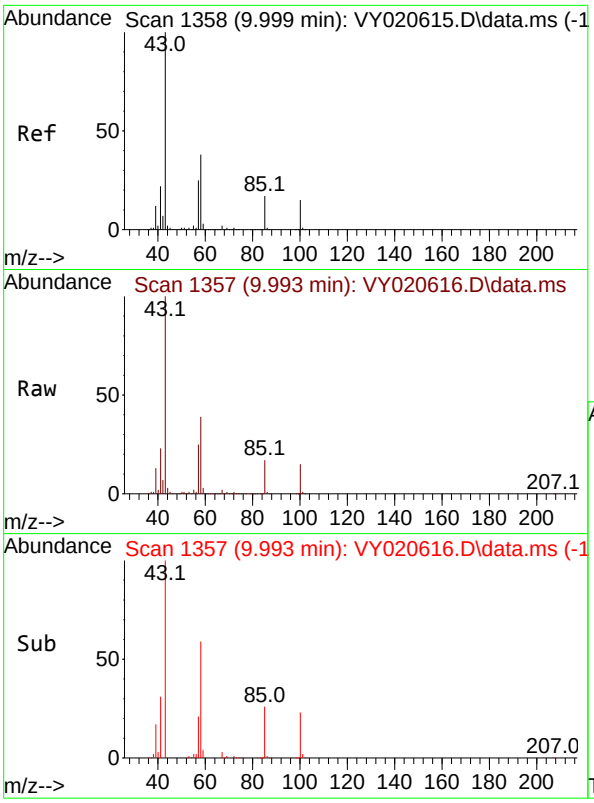


#50
Toluene-d8
Concen: 92.704 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 98 Resp: 619412

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1



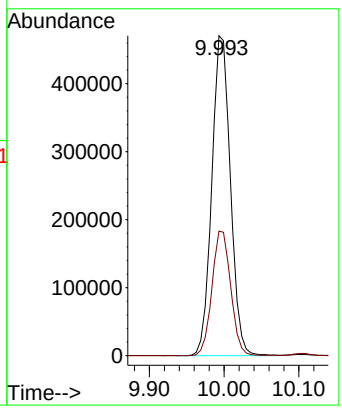


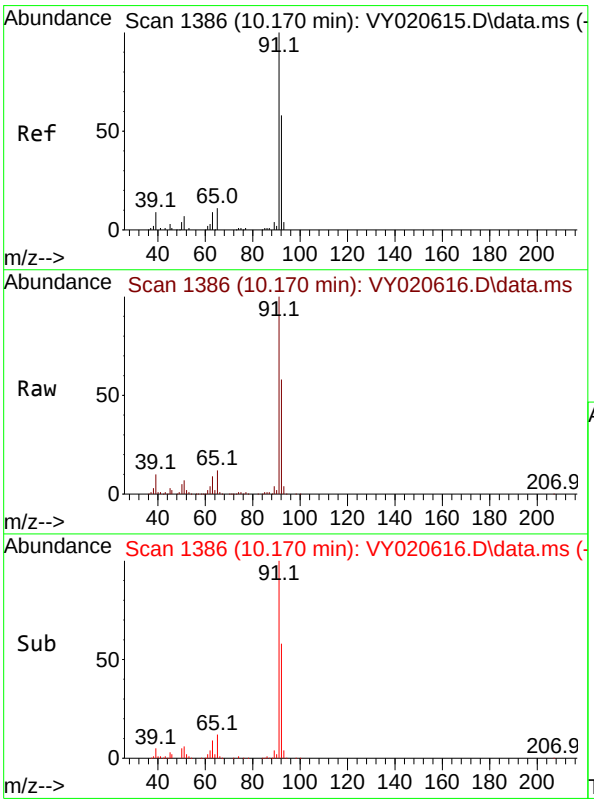
#51
4-Methyl-2-Pentanone
Concen: 498.015 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 814840

Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.4	47.2

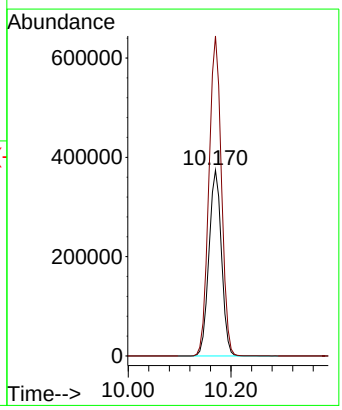


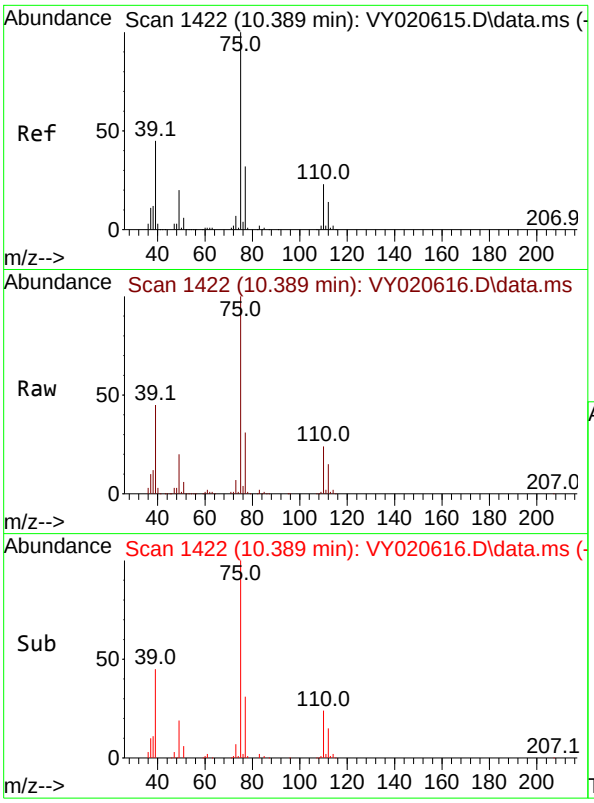


#52
Toluene
Concen: 99.573 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 92 Resp: 631368

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.4	206.0



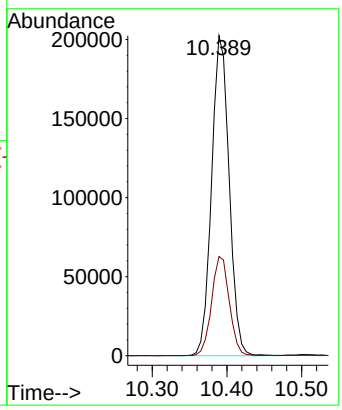


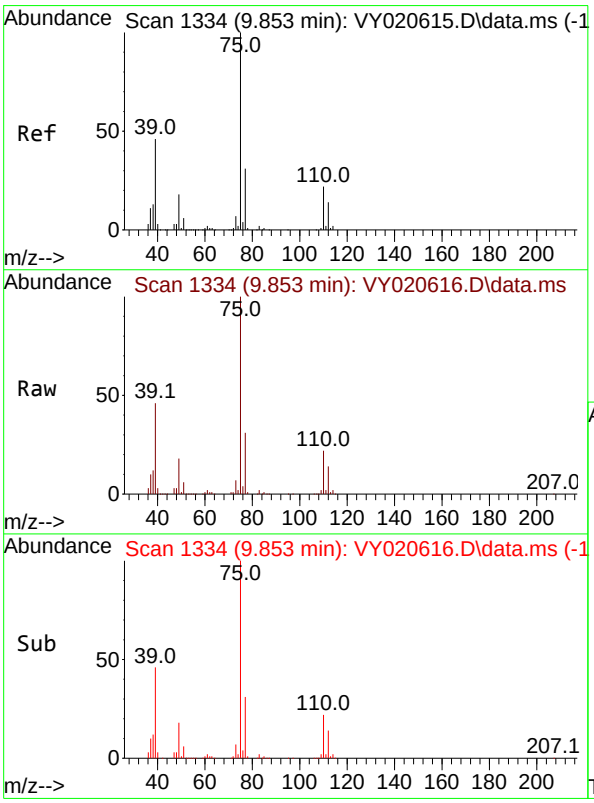
#53
t-1,3-Dichloropropene
Concen: 104.287 ug/l
RT: 10.389 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 330795

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.2

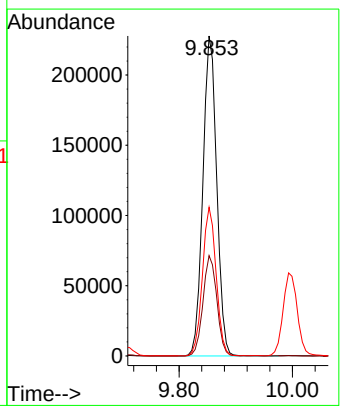


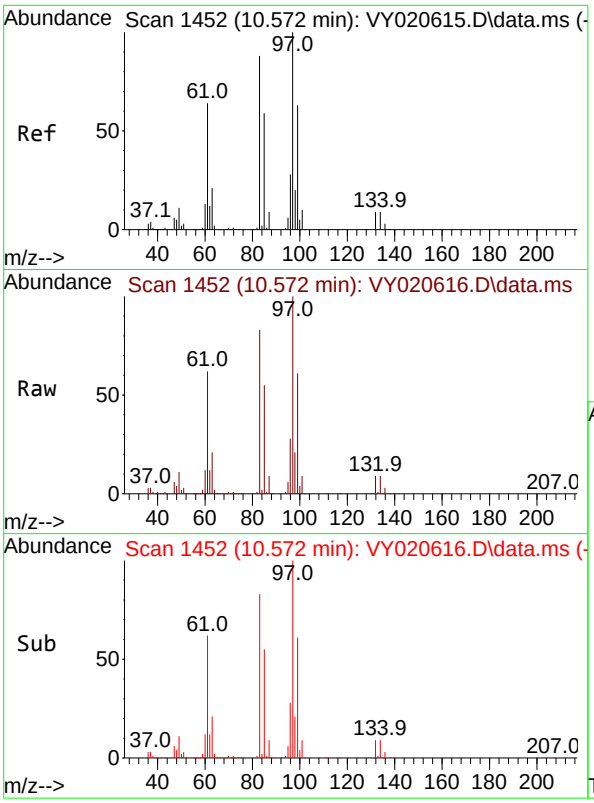


#54
cis-1,3-Dichloropropene
Concen: 102.884 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 75 Resp: 386715

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.6	36.8
39	46.4	36.4	54.6



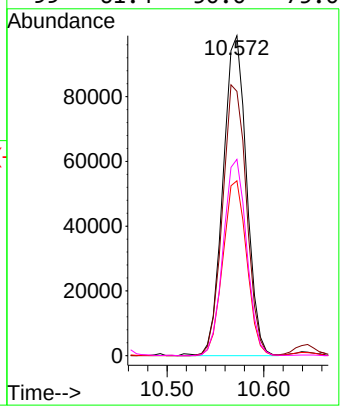


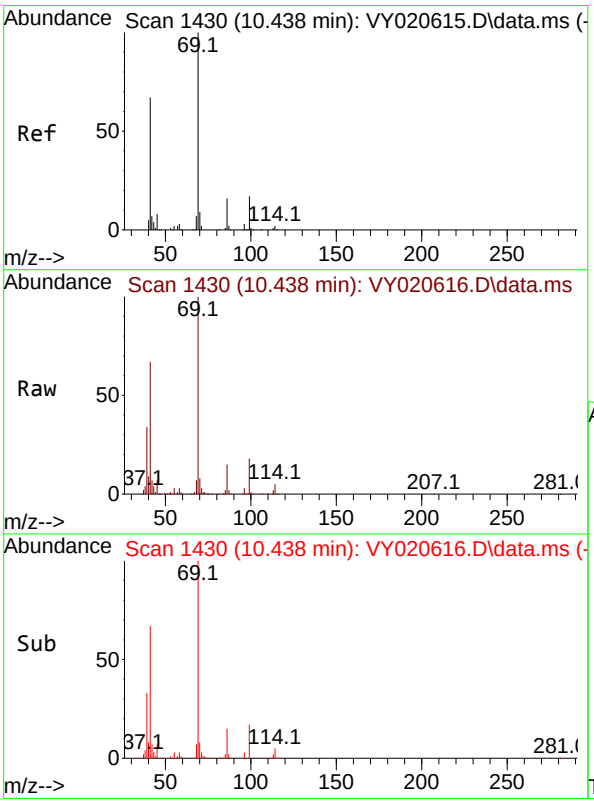
#55
1,1,2-Trichloroethane
Concen: 100.352 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 167205

Ion	Ratio	Lower	Upper
97	100		
83	82.6	70.4	105.6
85	54.6	47.2	70.8
99	61.4	50.0	75.0

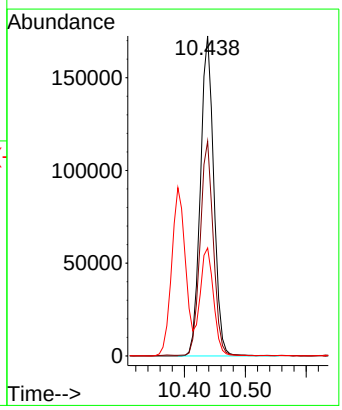


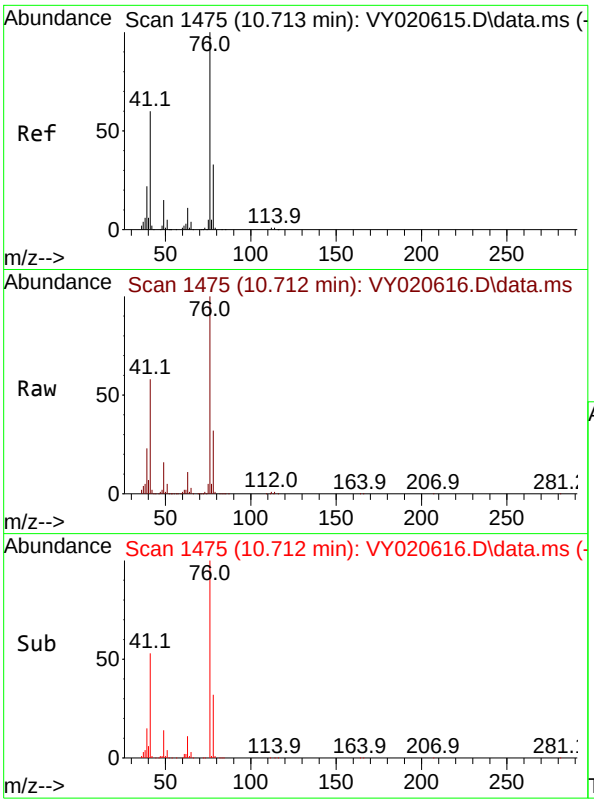


#56
Ethyl methacrylate
Concen: 109.090 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 69 Resp: 263694

Ion	Ratio	Lower	Upper
69	100		
41	65.8	54.0	81.0
39	34.1	27.9	41.9



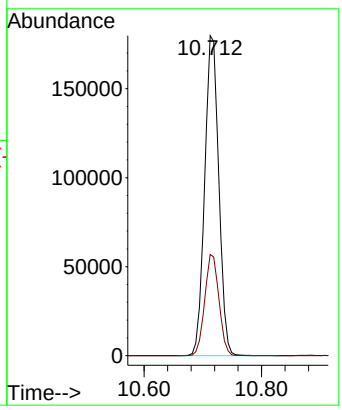


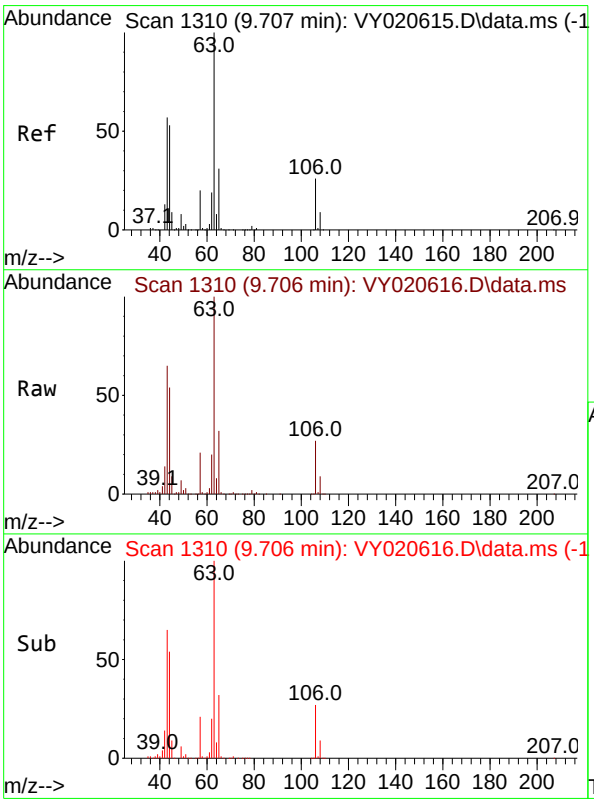
#57
1,3-Dichloropropane
Concen: 100.965 ug/l
RT: 10.712 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 299884

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.8

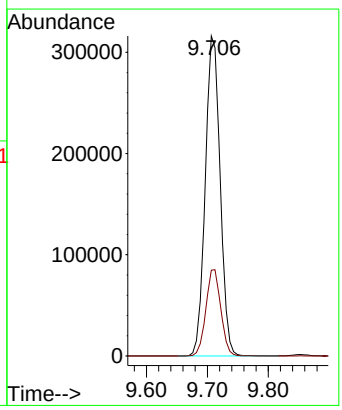


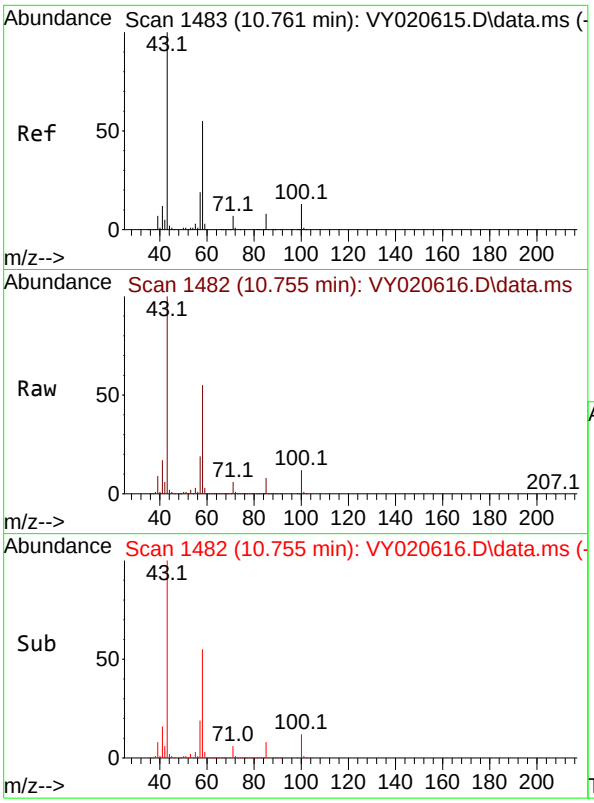


#58
2-Chloroethyl Vinyl ether
Concen: 527.303 ug/l
RT: 9.706 min Scan# 1310
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 63 Resp: 536306

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.5	32.3



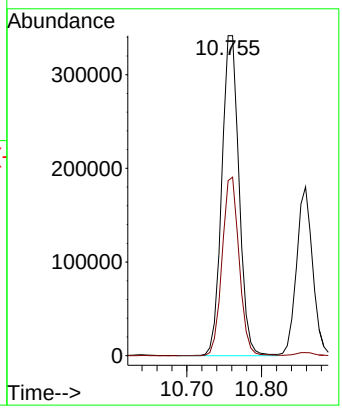


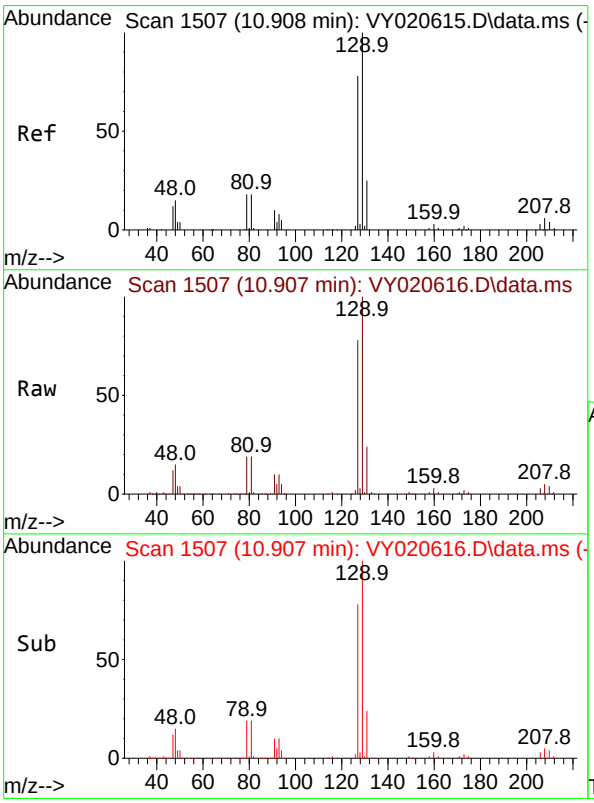
#59
2-Hexanone
Concen: 521.929 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 548285

Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.2	81.6

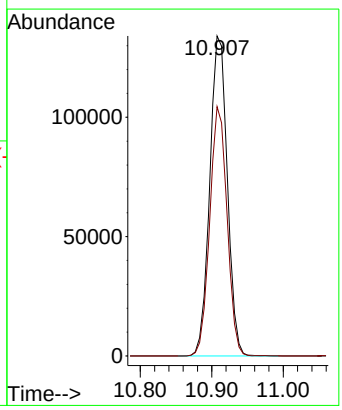


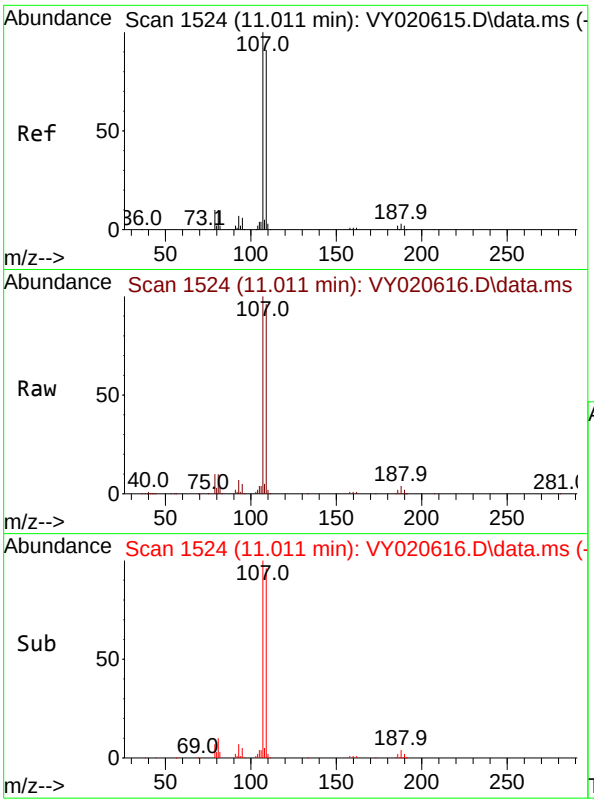


#60
Dibromochloromethane
Concen: 102.389 ug/l
RT: 10.907 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:129 Resp: 228154

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.1	114.3



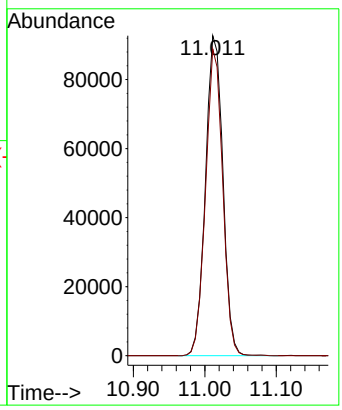


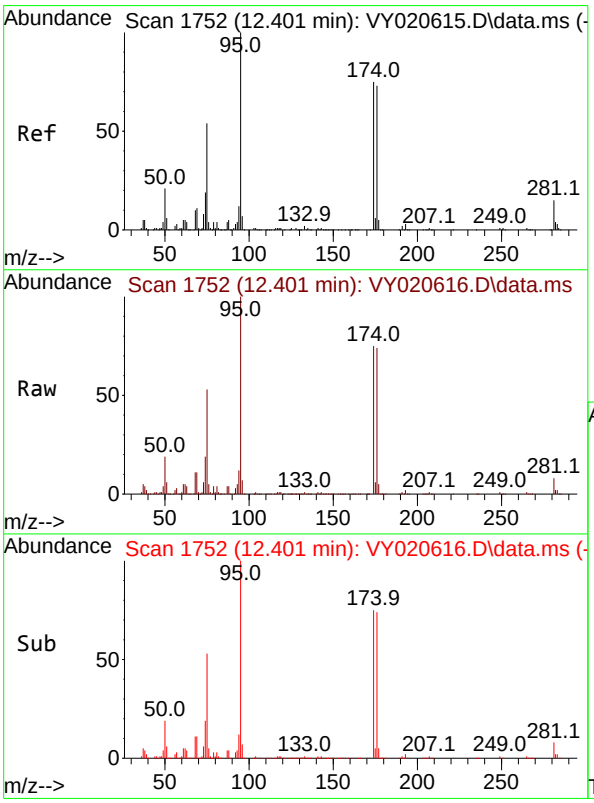
#61
1,2-Dibromoethane
Concen: 101.225 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 156883

Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.4	113.2

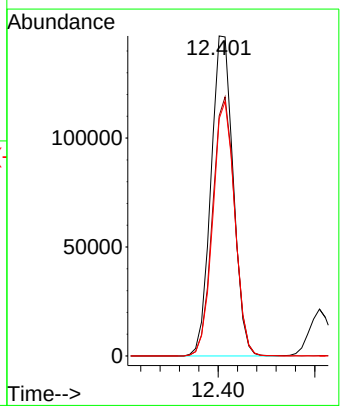


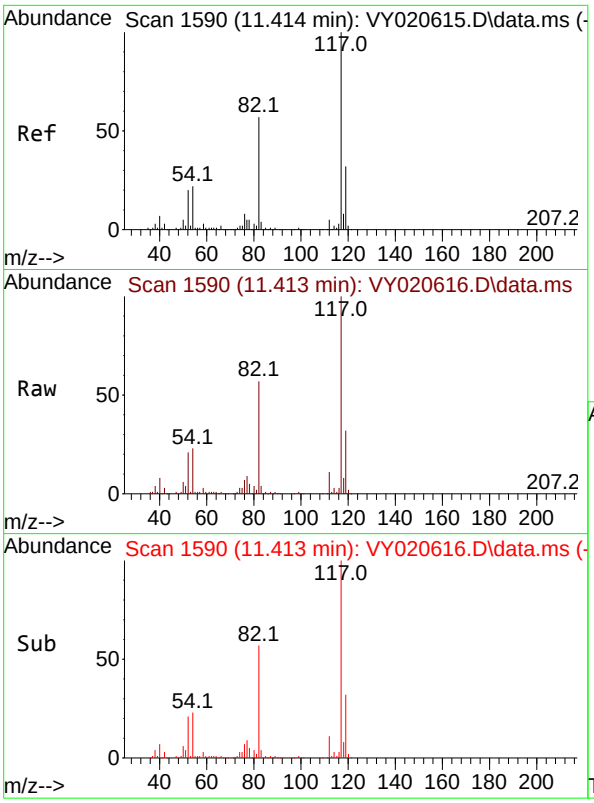


#62
4-Bromofluorobenzene
Concen: 89.665 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 95 Resp: 234353

Ion	Ratio	Lower	Upper
95	100		
174	80.4	0.0	161.8
176	78.3	0.0	156.6



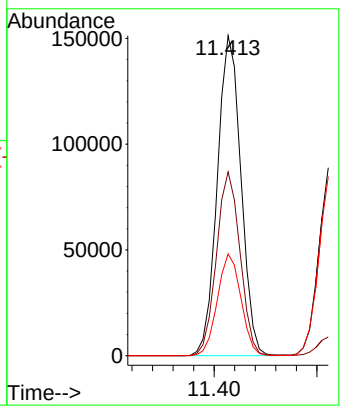


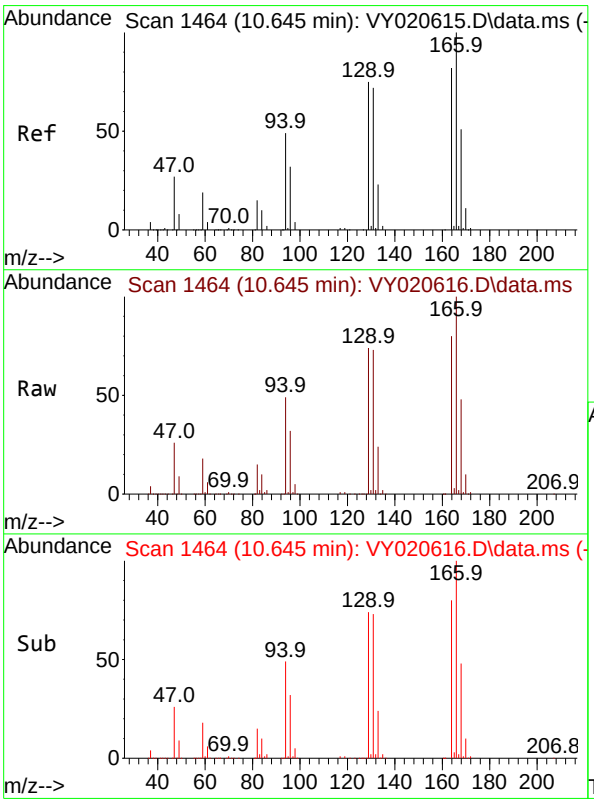
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.413 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 241570

Ion	Ratio	Lower	Upper
117	100		
82	57.4	45.8	68.6
119	31.8	25.3	37.9

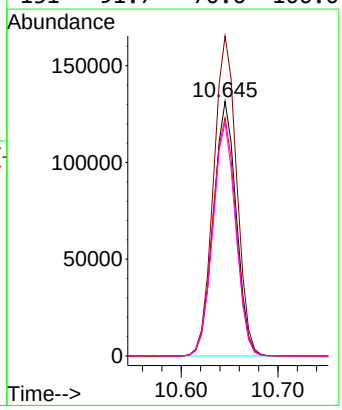


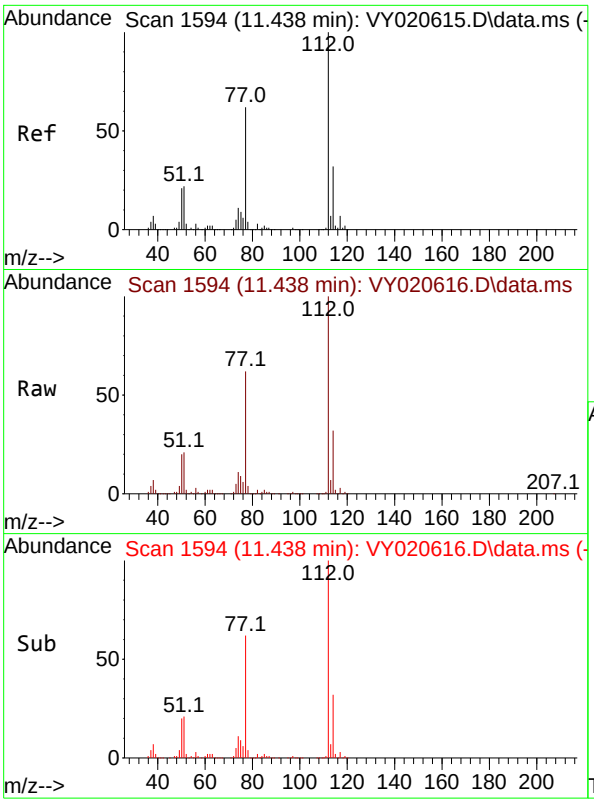


#64
Tetrachloroethene
Concen: 94.803 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:164 Resp: 215415

Ion	Ratio	Lower	Upper
164	100		
166	125.7	97.9	146.9
129	93.6	73.4	110.0
131	91.7	70.6	106.0



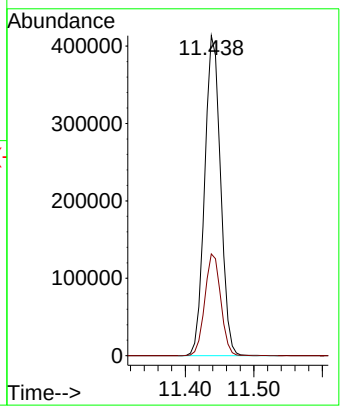


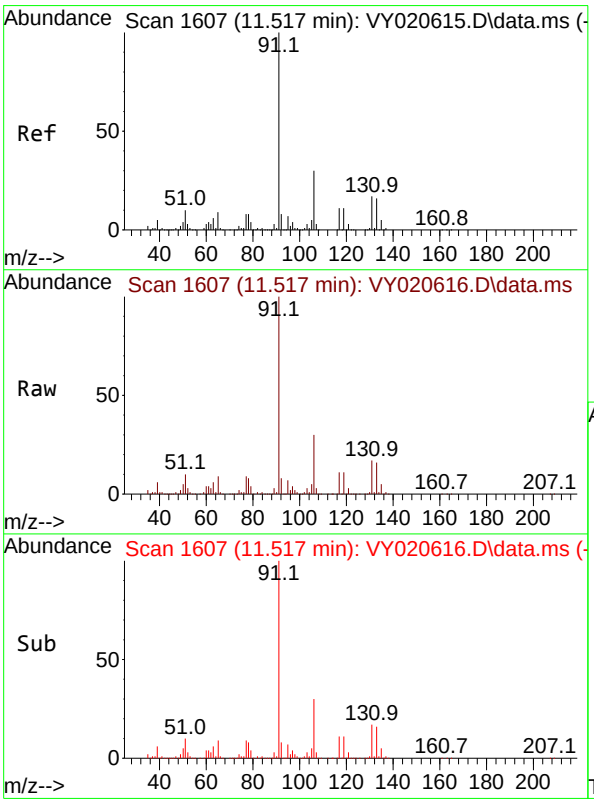
#65
Chlorobenzene
Concen: 98.800 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 667347

Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.0	39.0

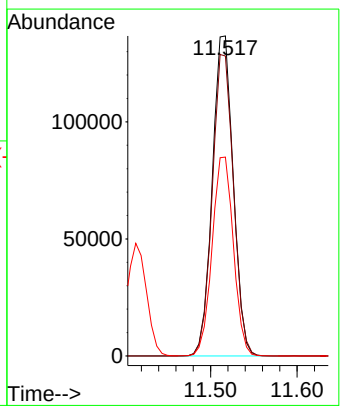


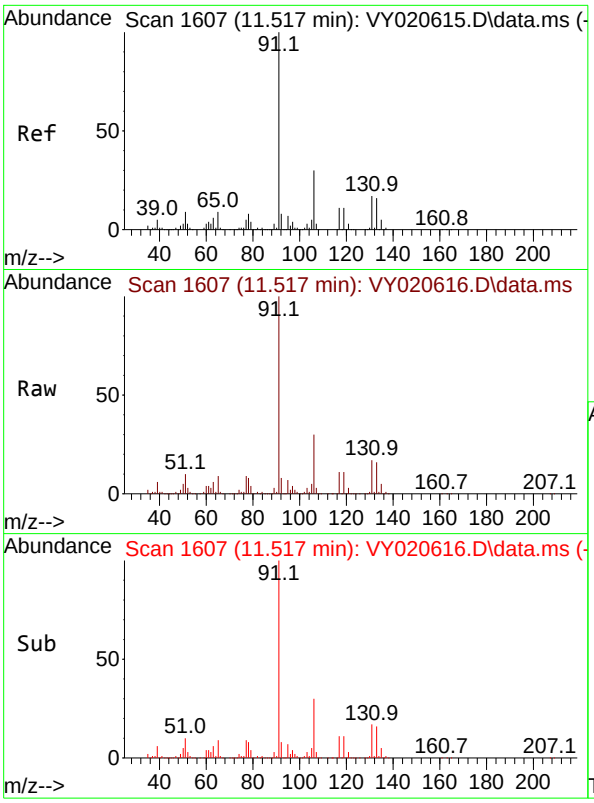


#66
1,1,1,2-Tetrachloroethane
Concen: 99.489 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:131 Resp: 229790

Ion	Ratio	Lower	Upper
131	100		
133	95.2	46.8	140.3
119	63.1	31.8	95.3



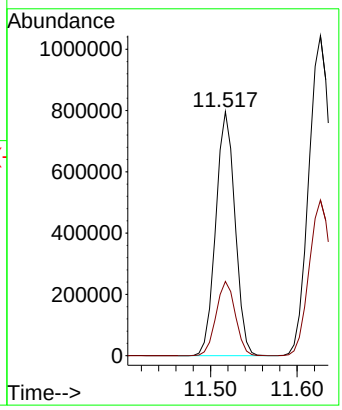


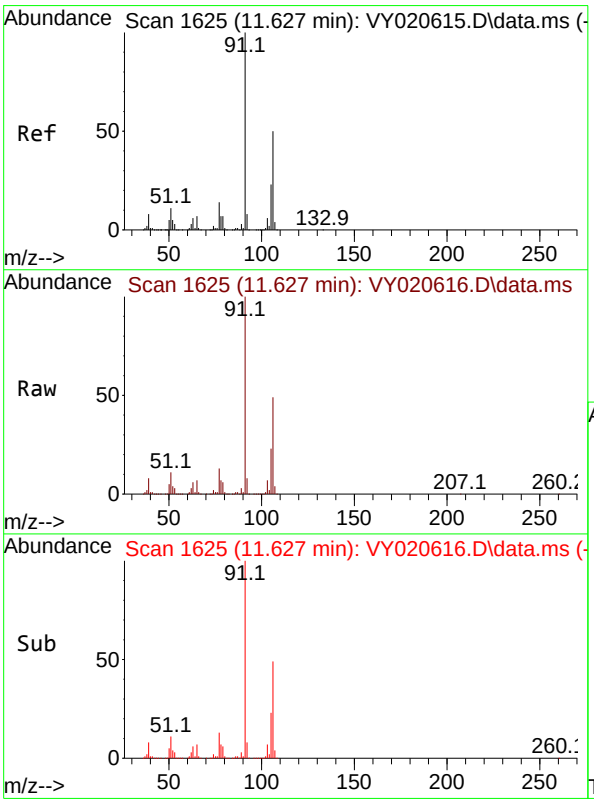
#67
Ethyl Benzene
Concen: 98.607 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1228775

Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.9	35.9

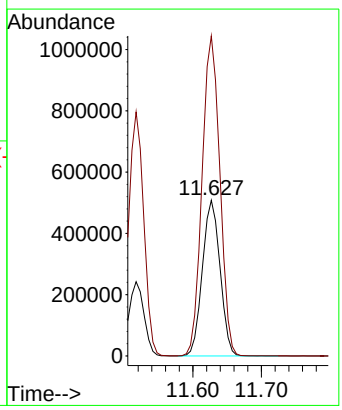


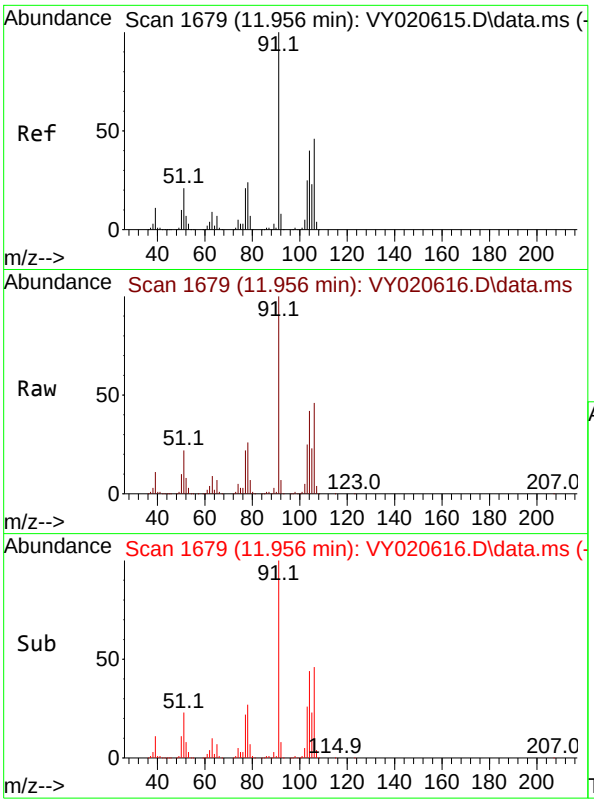


#68
m/p-Xylenes
Concen: 196.521 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:106 Resp: 910536

Ion	Ratio	Lower	Upper
106	100		
91	207.4	165.0	247.4



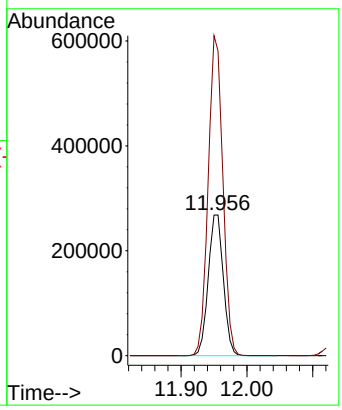


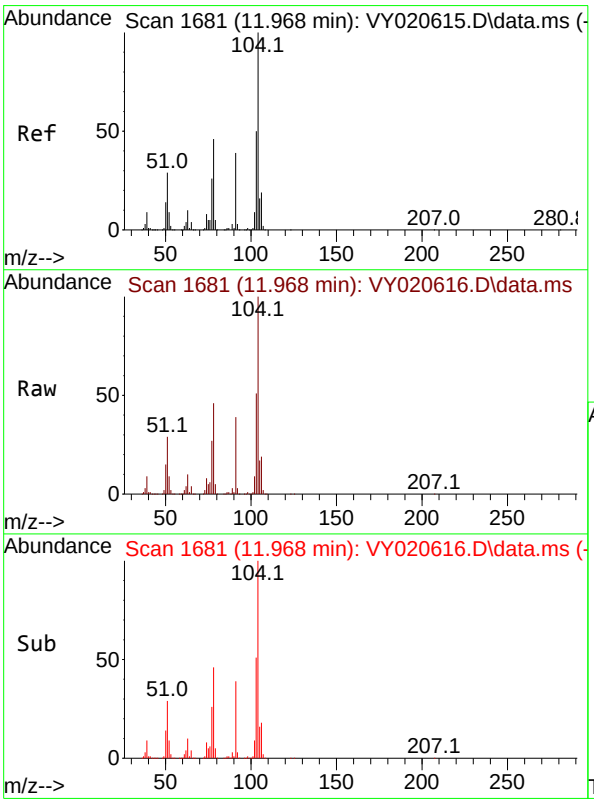
#69
o-Xylene
Concen: 99.174 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 428727

Ion	Ratio	Lower	Upper
106	100		
91	221.0	108.4	325.2

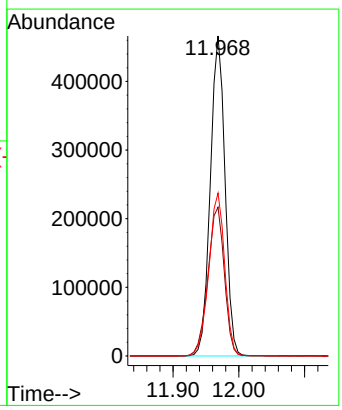


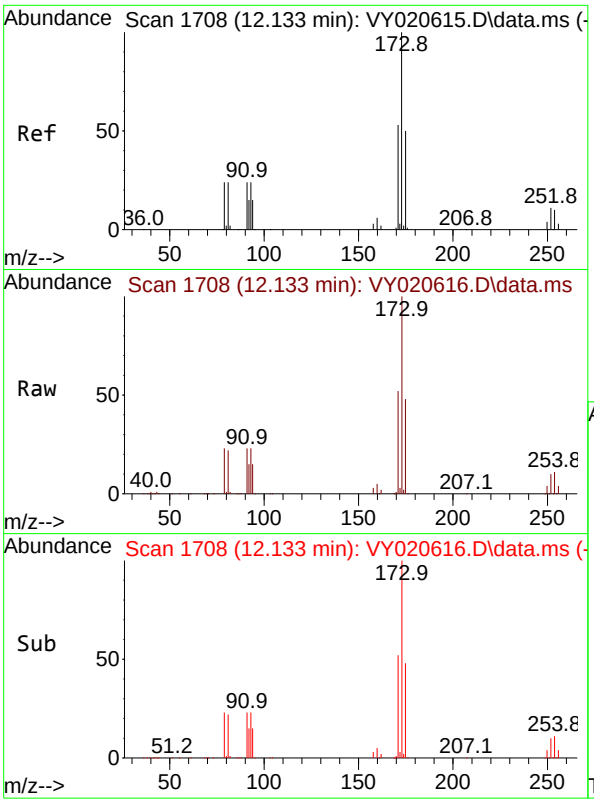


#70
Styrene
Concen: 100.401 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:104 Resp: 725167

Ion	Ratio	Lower	Upper
104	100		
78	52.1	41.6	62.4
103	55.1	43.7	65.5



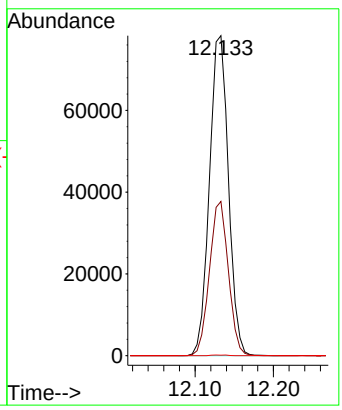


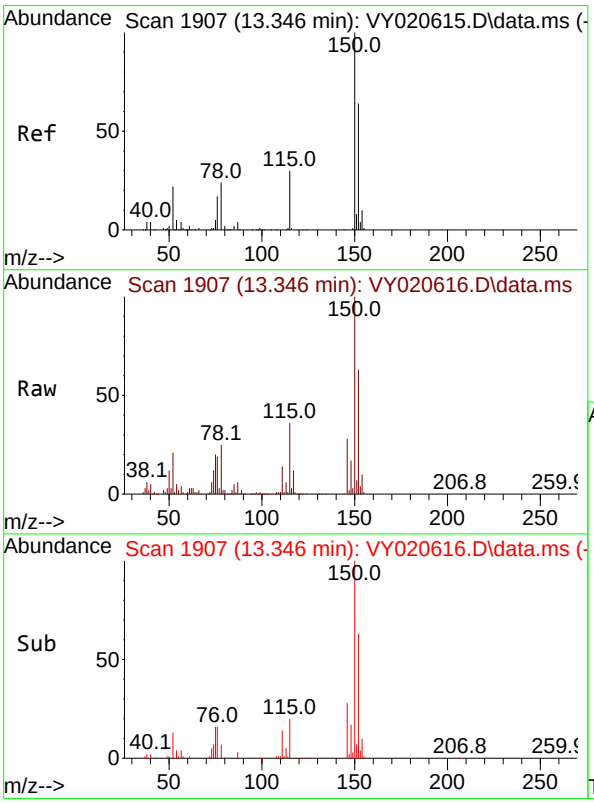
#71
Bromoform
Concen: 101.332 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 131589

Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.6	74.0
254	0.2	0.0	0.0#

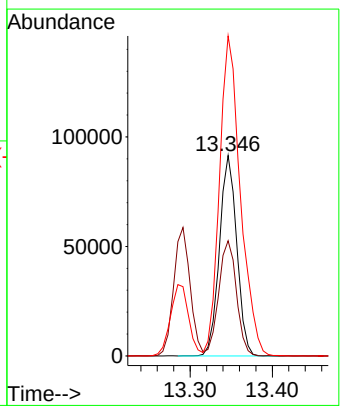


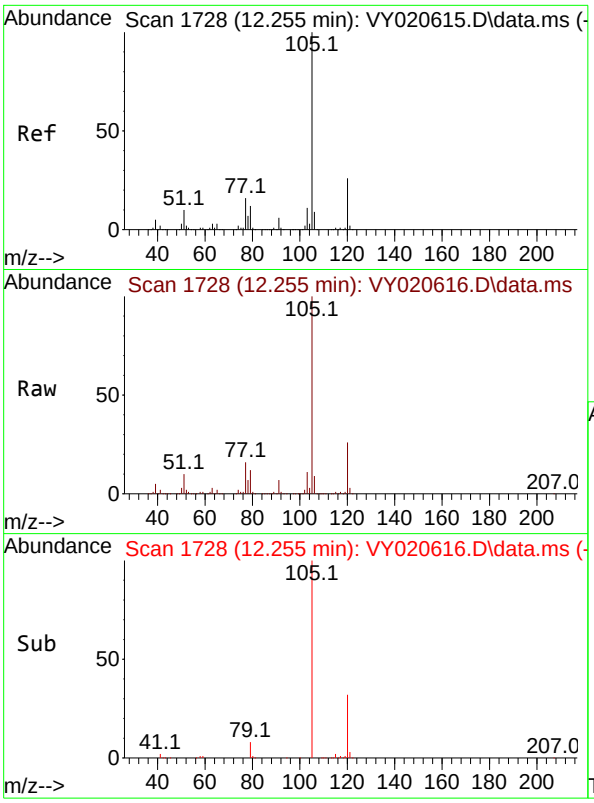


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:152 Resp: 134321

Ion	Ratio	Lower	Upper
152	100		
115	59.0	30.2	90.6
150	192.3	0.0	355.4



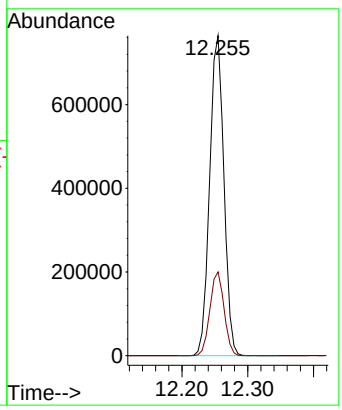


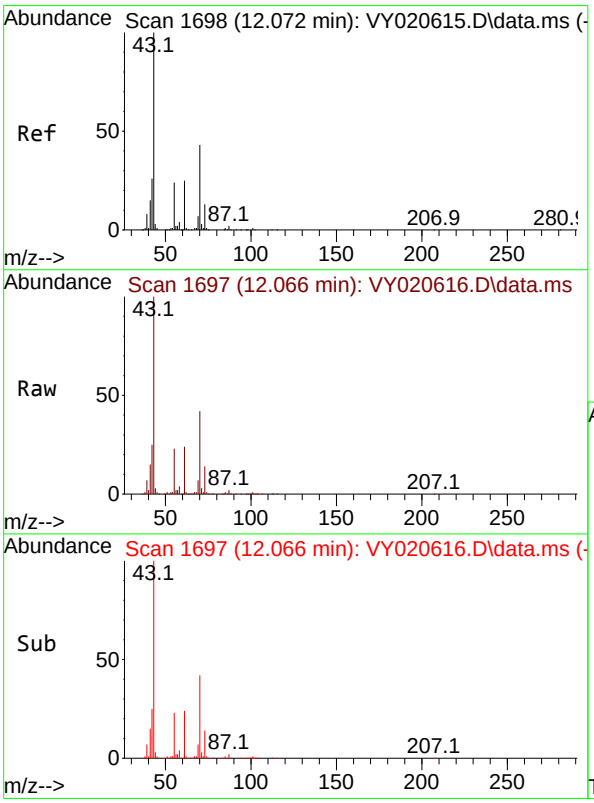
#73
Isopropylbenzene
Concen: 98.191 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1150948

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.1	39.1

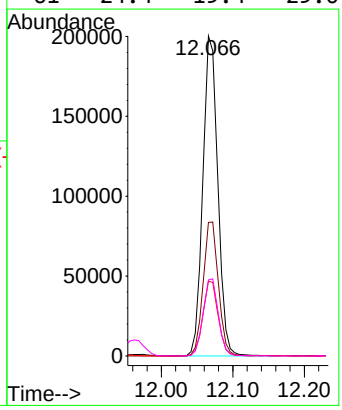


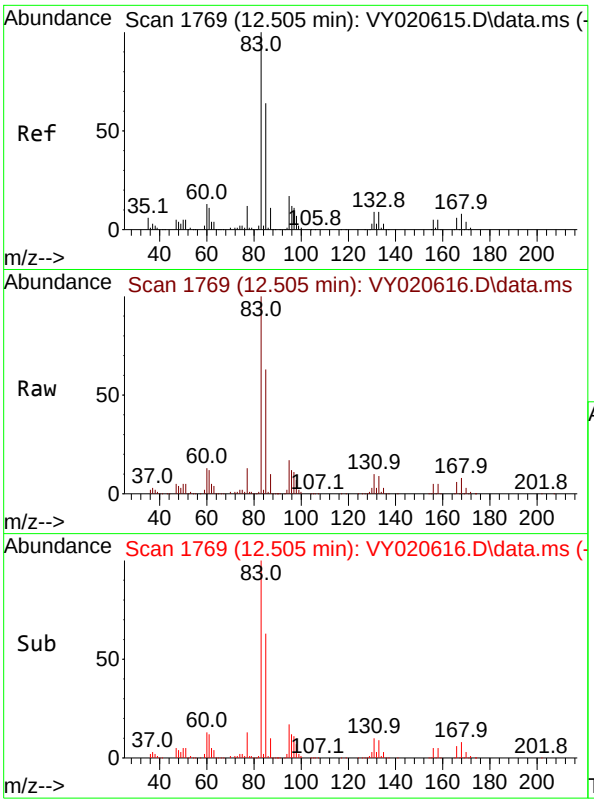


#74
N-amyl acetate
Concen: 106.582 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 43 Resp: 292377

Ion	Ratio	Lower	Upper
43	100		
70	42.6	34.2	51.2
55	23.8	19.6	29.4
61	24.4	19.4	29.0



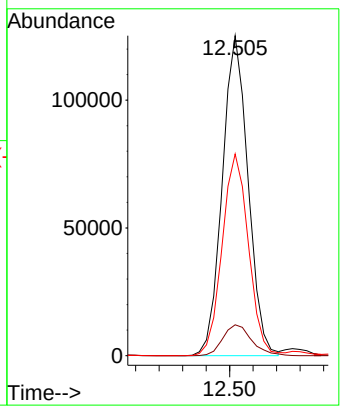


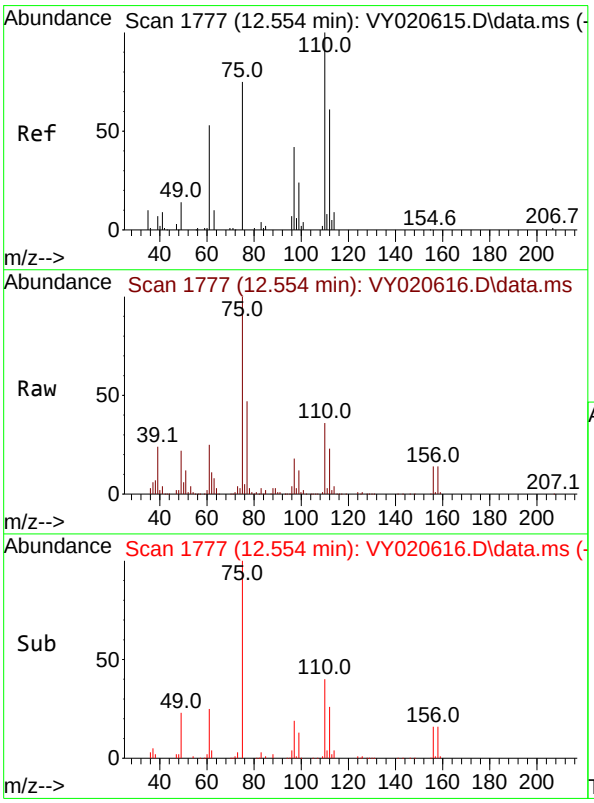
#75
1,1,2,2-Tetrachloroethane
Concen: 100.209 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 190664

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.2	15.6
85	64.4	32.5	97.4

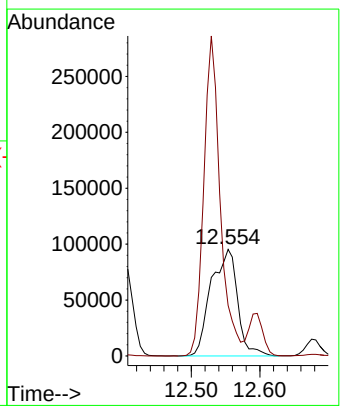


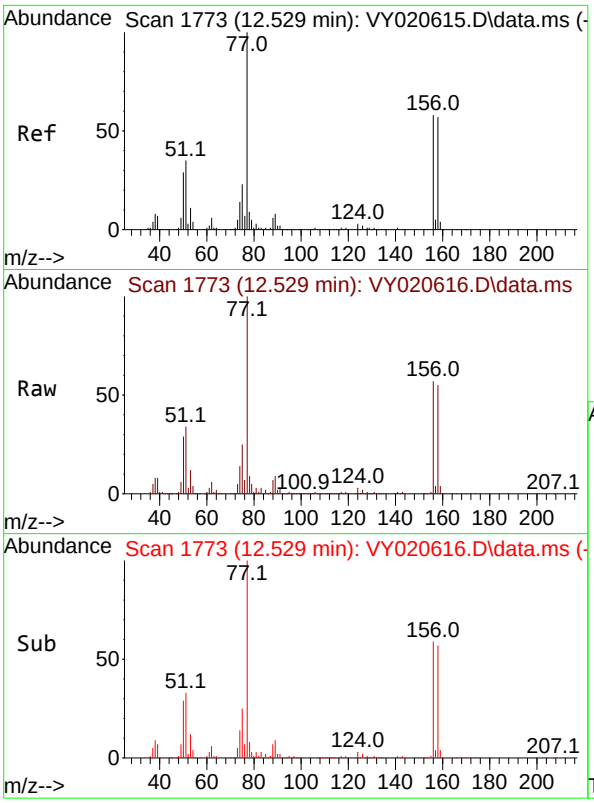


#76
1,2,3-Trichloropropane
Concen: 185.352 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 75 Resp: 256421

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



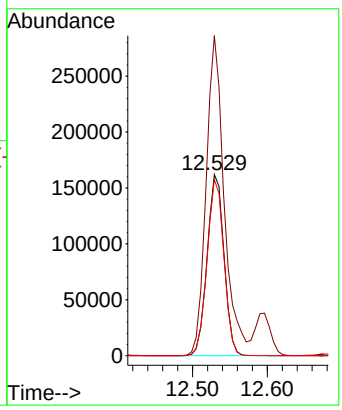


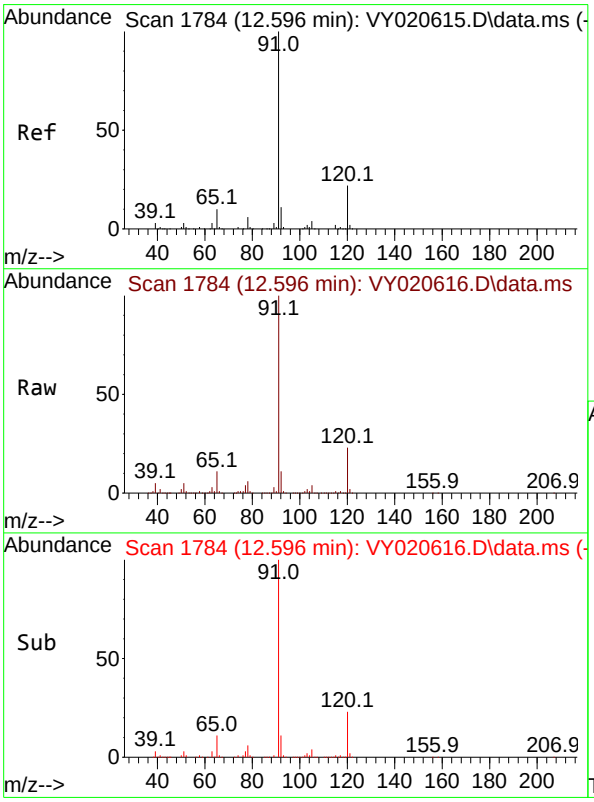
#77
Bromobenzene
Concen: 99.317 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 253587

Ion	Ratio	Lower	Upper
156	100		
77	188.7	94.2	282.4
158	97.2	48.9	146.6

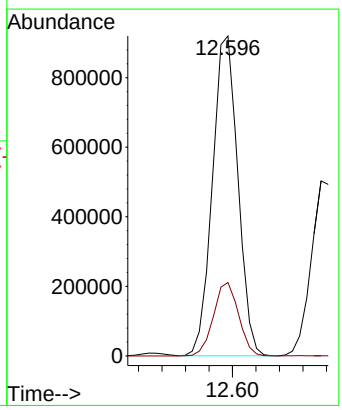


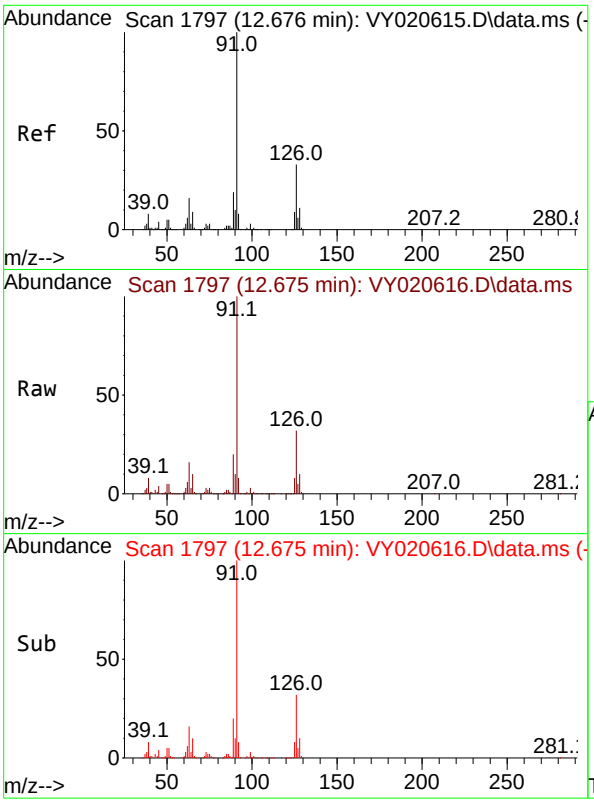


#78
n-propylbenzene
Concen: 97.980 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 91 Resp: 1383699

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.1



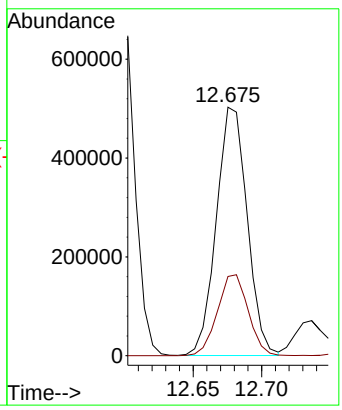


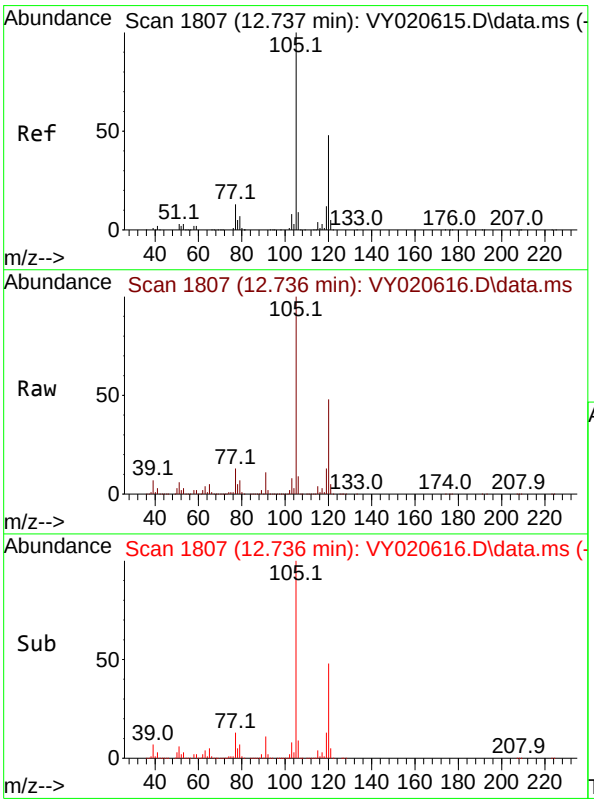
#79
2-Chlorotoluene
Concen: 99.147 ug/l
RT: 12.675 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 787764

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.6	49.7

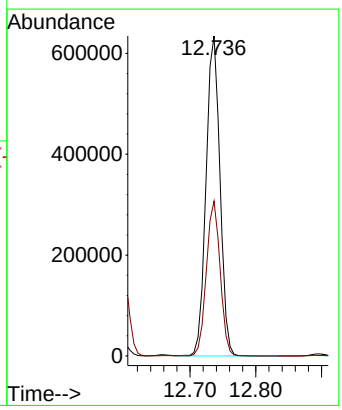


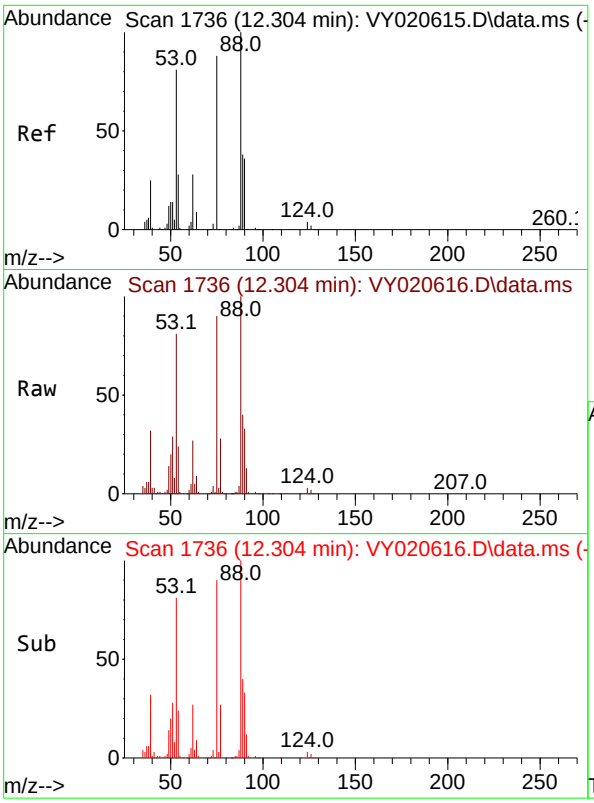


#80
1,3,5-Trimethylbenzene
Concen: 98.108 ug/l
RT: 12.736 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:105 Resp: 933106

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.9	71.7



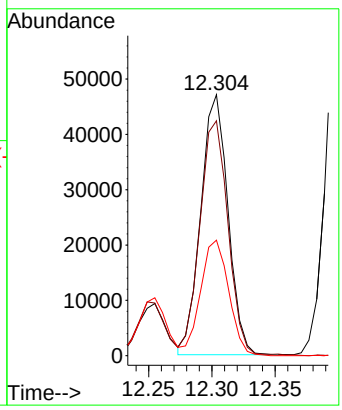


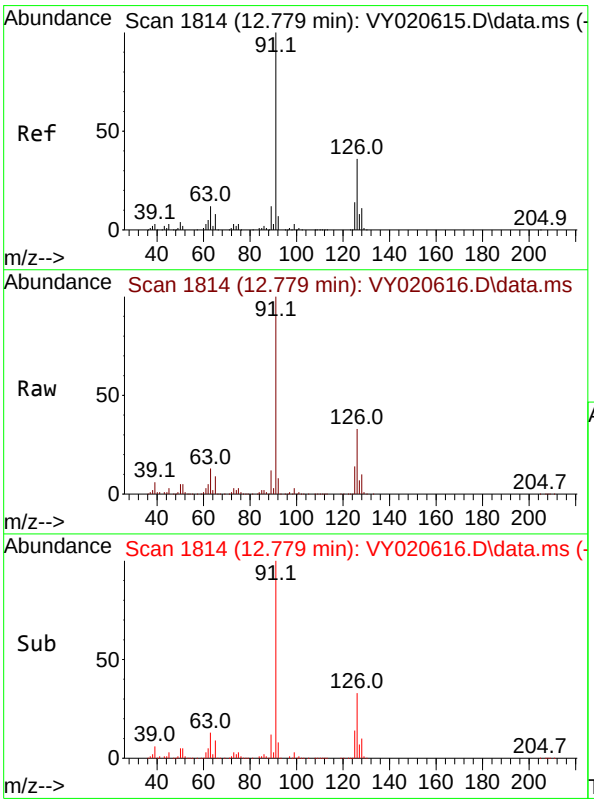
#81
trans-1,4-Dichloro-2-butene
Concen: 105.852 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 70365

Ion	Ratio	Lower	Upper
75	100		
53	94.0	75.4	113.2
89	46.2	37.0	55.4

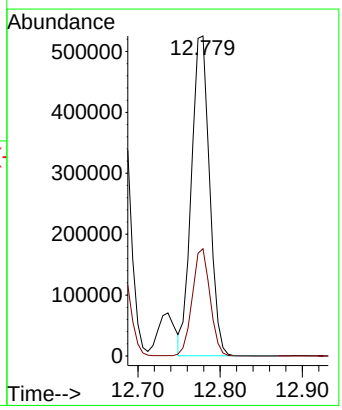


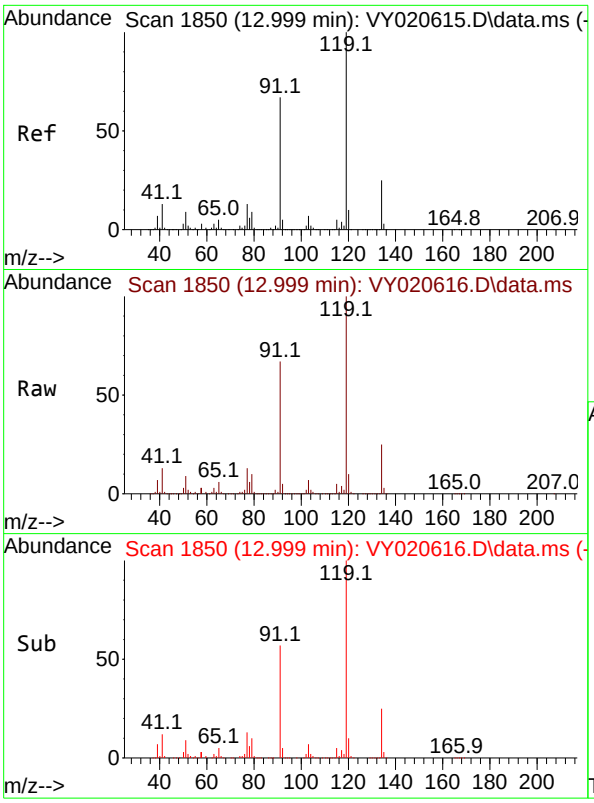


#82
4-Chlorotoluene
Concen: 97.558 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 91 Resp: 804177

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.6	49.7



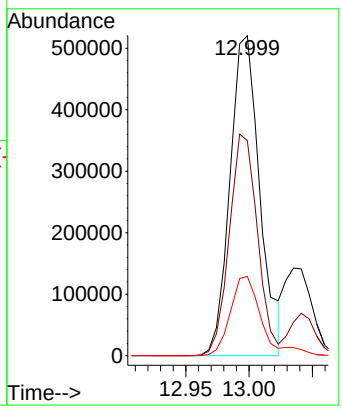


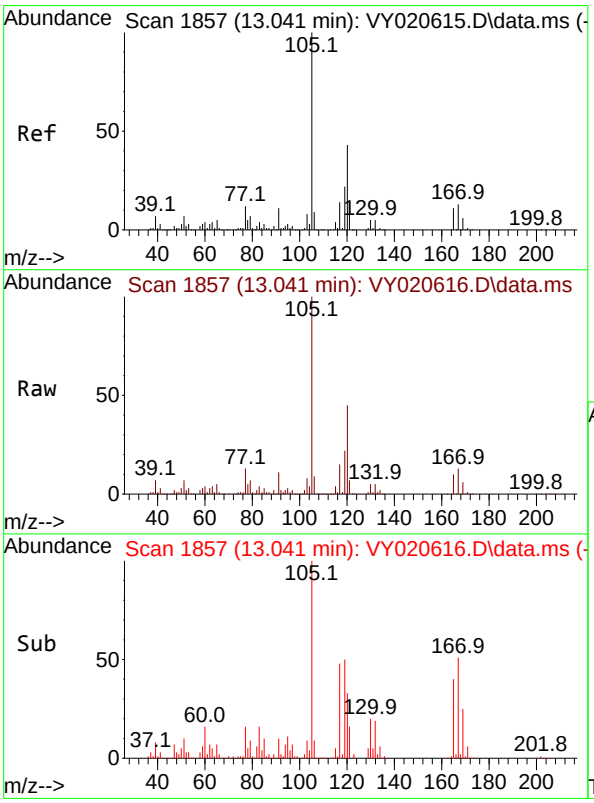
#83
tert-Butylbenzene
Concen: 99.108 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 853675

Ion	Ratio	Lower	Upper
119	100		
91	65.5	32.9	98.6
134	26.0	13.1	39.1

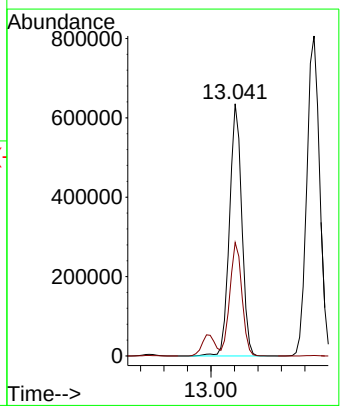


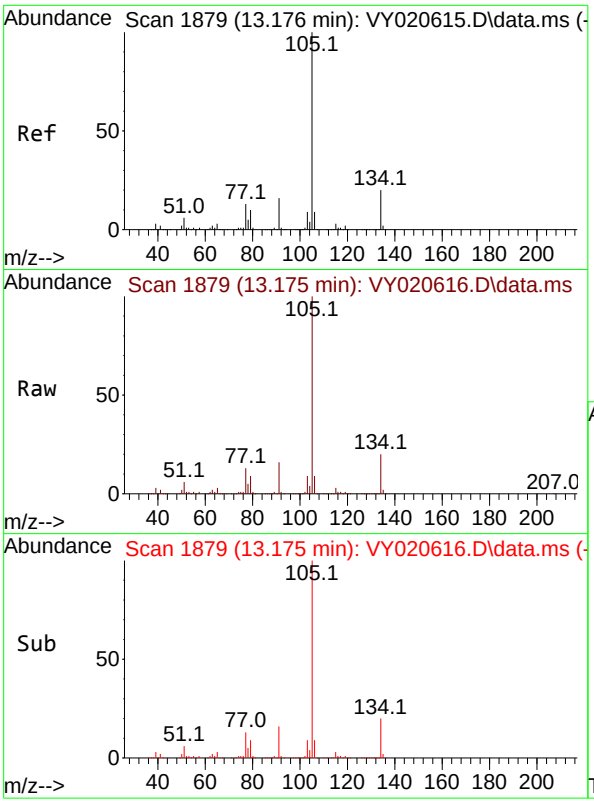


#84
1,2,4-Trimethylbenzene
Concen: 98.727 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:105 Resp: 921051

Ion	Ratio	Lower	Upper
105	100		
120	44.3	21.8	65.4



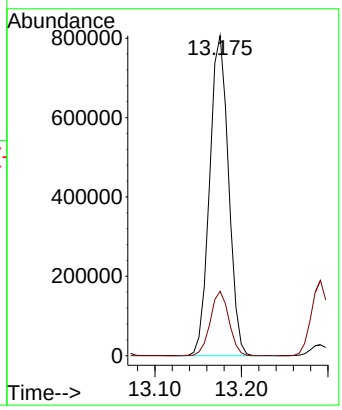


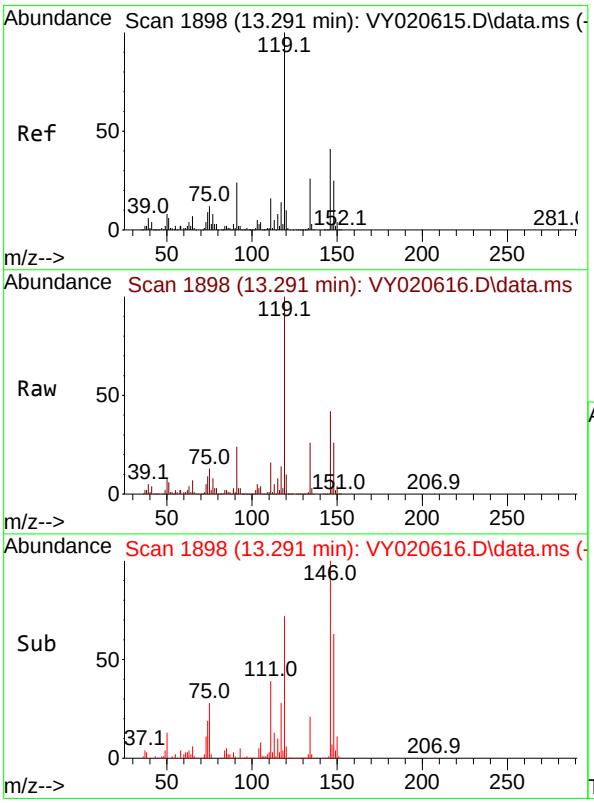
#85
sec-Butylbenzene
Concen: 97.450 ug/l
RT: 13.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1220465

Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.0	30.0

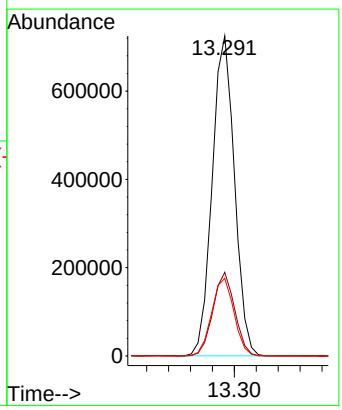


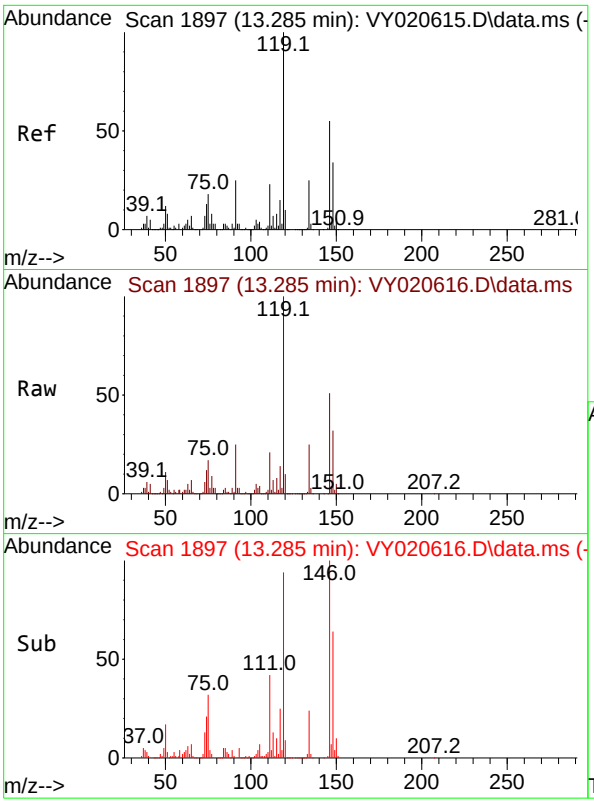


#86
p-Isopropyltoluene
Concen: 99.089 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:119 Resp: 1023181

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.9	38.6
91	24.3	12.1	36.3



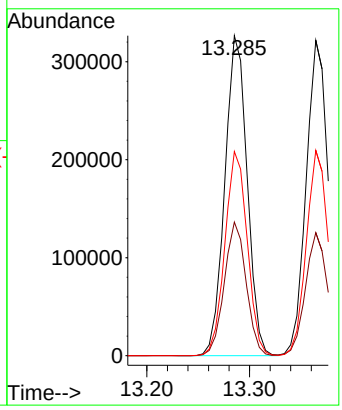


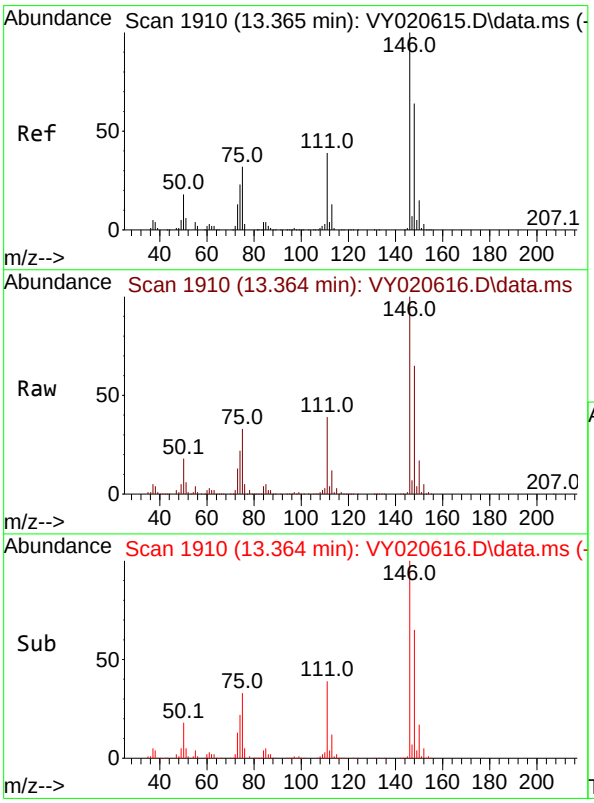
#87
1,3-Dichlorobenzene
Concen: 97.633 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 492097

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.6	61.8
148	63.8	31.4	94.0

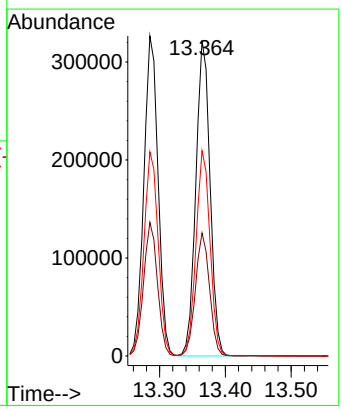


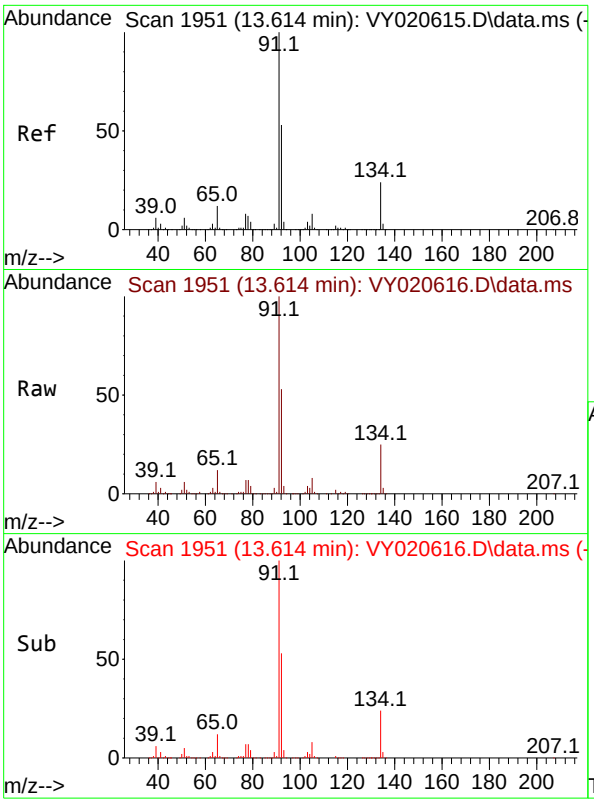


#88
1,4-Dichlorobenzene
Concen: 96.707 ug/l
RT: 13.364 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:146 Resp: 482756

Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.6	58.7
148	64.1	31.9	95.5



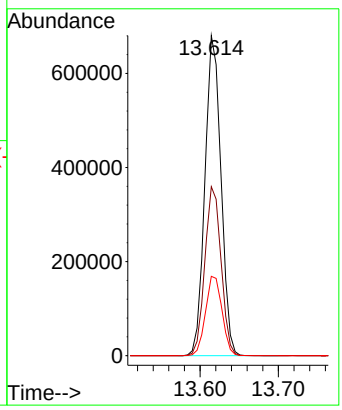


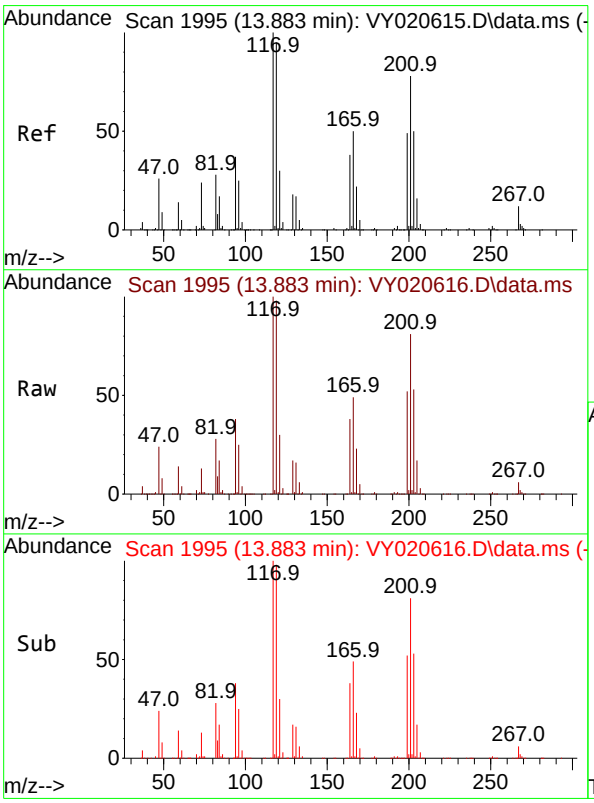
#89
n-Butylbenzene
Concen: 98.789 ug/l
RT: 13.614 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 966758

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.8	80.4
134	25.5	12.5	37.5

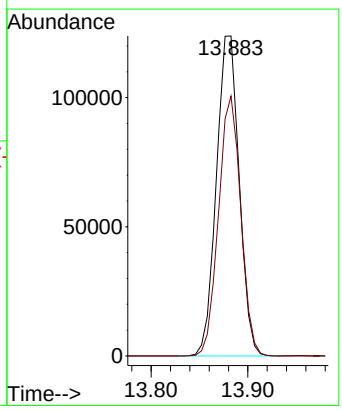


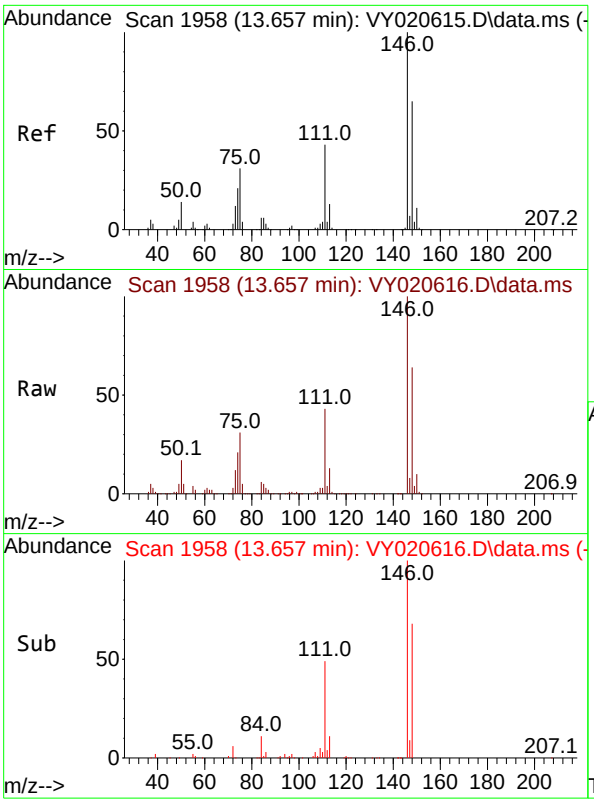


#90
Hexachloroethane
Concen: 98.910 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:117 Resp: 202399

Ion	Ratio	Lower	Upper
117	100		
201	79.3	39.1	117.3



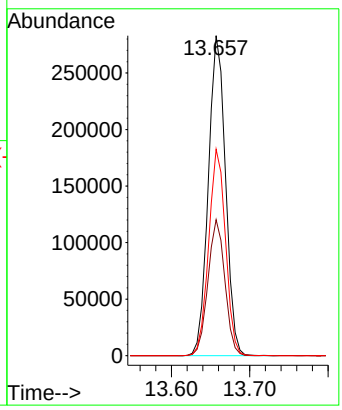


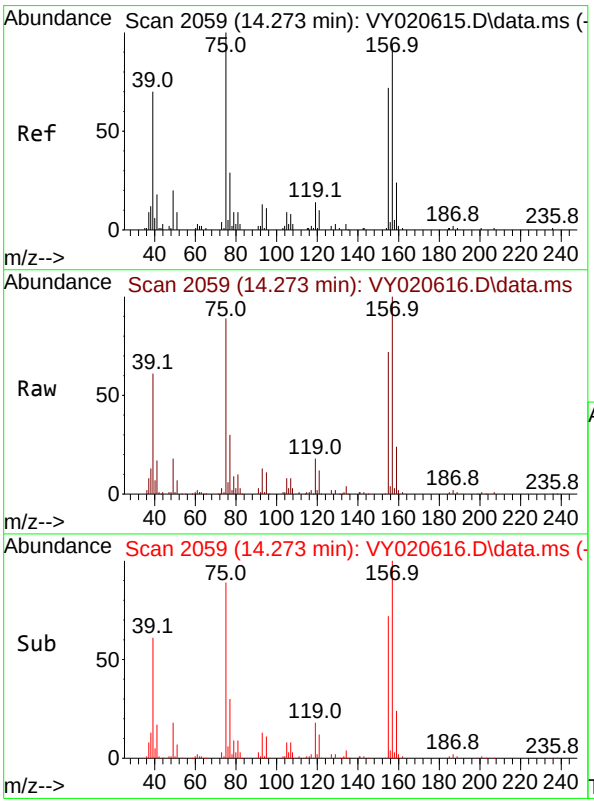
#91
1,2-Dichlorobenzene
Concen: 98.552 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 430383

Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.3	63.7
148	63.3	32.0	96.0

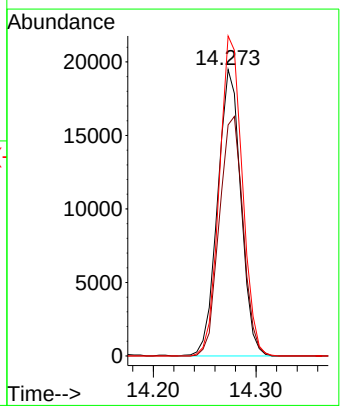


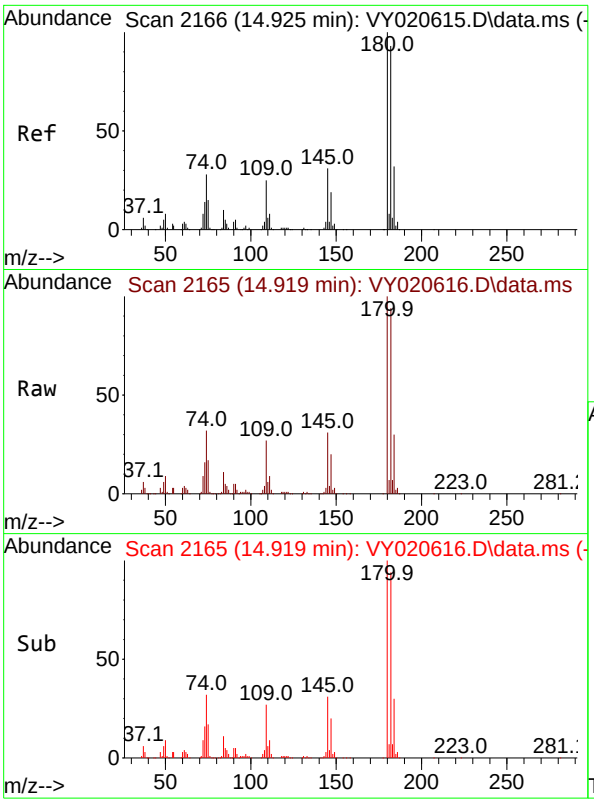


#92
1,2-Dibromo-3-Chloropropane
Concen: 99.008 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion: 75 Resp: 30584

Ion	Ratio	Lower	Upper
75	100		
155	85.4	41.1	123.3
157	110.3	52.9	158.8



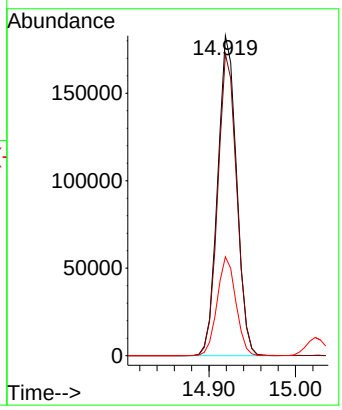


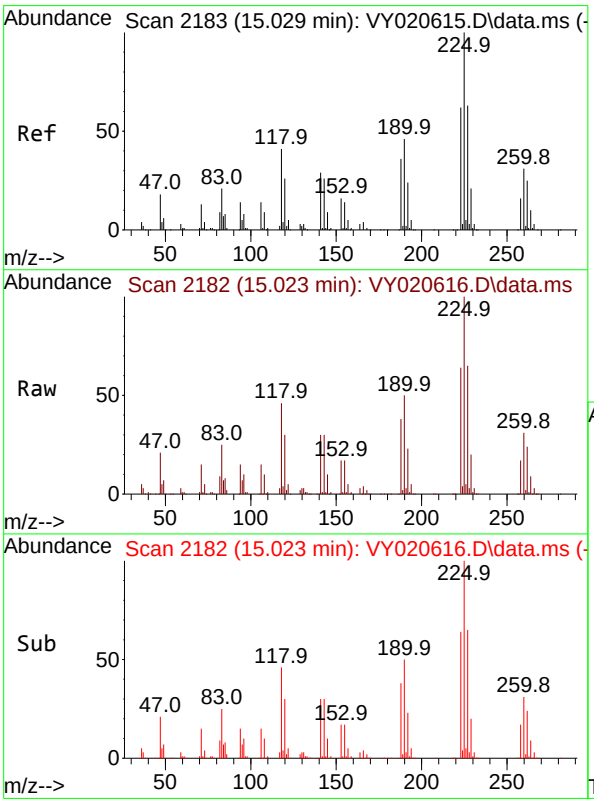
#93
1,2,4-Trichlorobenzene
Concen: 104.790 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 276806

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.6
145	30.6	15.6	46.7

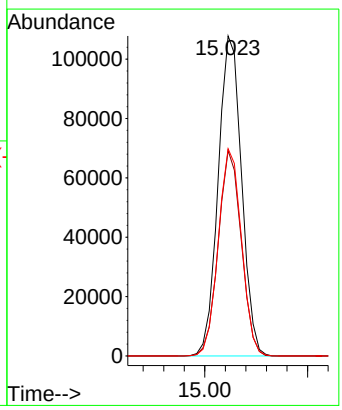


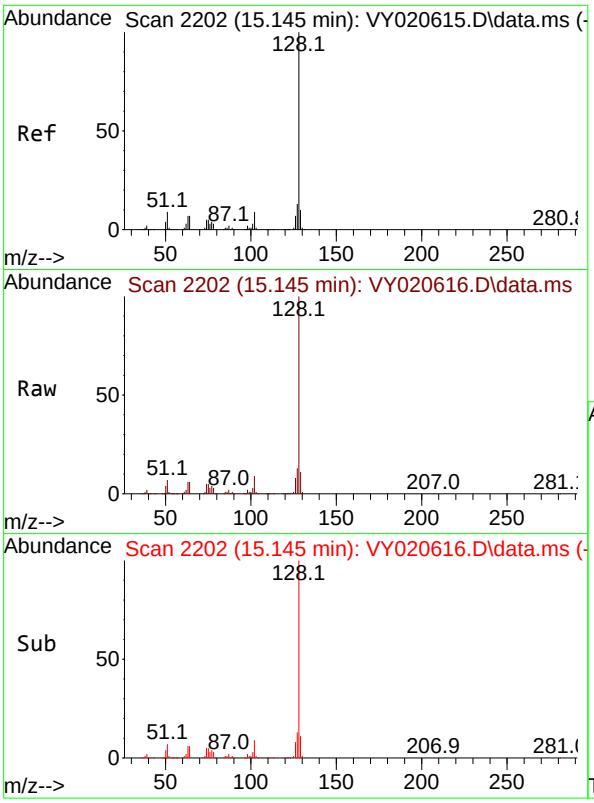


#94
Hexachlorobutadiene
Concen: 98.635 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:225 Resp: 170325

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.8	95.3
227	64.1	32.2	96.6



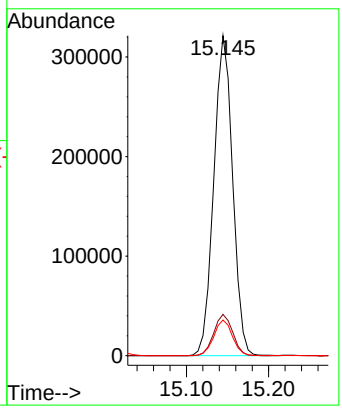


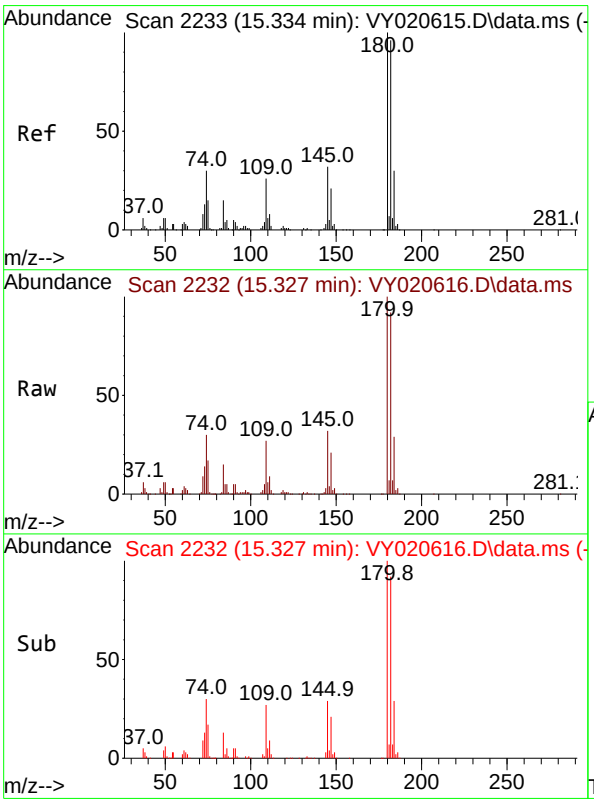
#95
Naphthalene
Concen: 113.046 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 511948

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.7	16.1
129	11.1	8.5	12.7

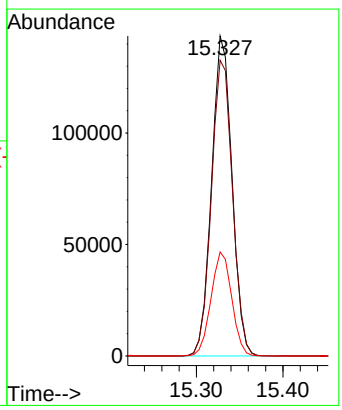




#96
1,2,3-Trichlorobenzene
Concen: 105.207 ug/l
RT: 15.327 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY020616.D
Acq: 17 Dec 2024 11:14

Tgt Ion:180 Resp: 234803

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	33.0	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020617.D
Acq On : 17 Dec 2024 11:37
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Dec 18 04:54:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	184362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	278509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	244385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	135852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	258496	128.022	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 256.040%#			
35) Dibromofluoromethane	7.634	113	261486	133.217	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 266.440%#			
50) Toluene-d8	10.103	98	919148	133.785	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 267.580%#			
62) 4-Bromofluorobenzene	12.402	95	343903	127.965	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 255.940%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	305452	132.646	ug/l	99
3) Chloromethane	2.068	50	205555	120.474	ug/l	97
4) Vinyl Chloride	2.202	62	206764	130.199	ug/l	100
5) Bromomethane	2.586	94	140413	137.550	ug/l	99
6) Chloroethane	2.727	64	138821	141.459	ug/l	98
7) Trichlorofluoromethane	3.056	101	447890	134.789	ug/l	98
8) Diethyl Ether	3.452	74	150374	129.035	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	297171	124.769	ug/l	100
10) Methyl Iodide	4.001	142	345686	130.361	ug/l	99
11) Tert butyl alcohol	4.866	59	123878	737.397	ug/l	100
12) 1,1-Dichloroethene	3.787	96	291982	126.344	ug/l	98
13) Acrolein	3.653	56	42281	442.848	ug/l	97
14) Allyl chloride	4.385	41	498233	123.037	ug/l	99
15) Acrylonitrile	5.055	53	365294	655.216	ug/l	98
16) Acetone	3.867	43	229404	580.396	ug/l	98
17) Carbon Disulfide	4.104	76	923365	122.748	ug/l	100
18) Methyl Acetate	4.385	43	161535	117.584	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	810589	135.895	ug/l	96
20) Methylene Chloride	4.616	84	329862	131.394	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	351487	135.586	ug/l	99
22) Diisopropyl ether	6.019	45	1089955	132.601	ug/l	99
23) Vinyl Acetate	5.958	43	3123065	670.840	ug/l	100
24) 1,1-Dichloroethane	5.915	63	648906	134.755	ug/l	100
25) 2-Butanone	6.890	43	458674	611.252	ug/l	100
26) 2,2-Dichloropropane	6.884	77	575868	126.503	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	400187	134.176	ug/l	99
28) Bromochloromethane	7.244	49	238929	147.100	ug/l	99
29) Tetrahydrofuran	7.262	42	305396	644.700	ug/l	99
30) Chloroform	7.421	83	656177	145.857	ug/l	98
31) Cyclohexane	7.701	56	584271	126.896	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	600711	135.784	ug/l	99
36) 1,1-Dichloropropene	7.835	75	485468	135.636	ug/l	99
37) Ethyl Acetate	6.982	43	213468	126.794	ug/l	99
38) Carbon Tetrachloride	7.817	117	548361	138.477	ug/l	98
39) Methylcyclohexane	9.110	83	640301	137.259	ug/l	98
40) Benzene	8.079	78	1431012	136.402	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020617.D
Acq On : 17 Dec 2024 11:37
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Dec 18 04:54:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	119101	133.813	ug/l		95
42) 1,2-Dichloroethane	8.159	62	377438	135.647	ug/l		100
43) Isopropyl Acetate	8.195	43	433206	135.916	ug/l		100
44) Trichloroethene	8.866	130	352263	136.648	ug/l		98
45) 1,2-Dichloropropane	9.140	63	335340	136.766	ug/l		98
46) Dibromomethane	9.225	93	174812	134.905	ug/l		99
47) Bromodichloromethane	9.420	83	485795	138.787	ug/l		98
48) Methyl methacrylate	9.219	41	210550	138.957	ug/l		99
49) 1,4-Dioxane	9.225	88	41221	2773.834	ug/l		100
51) 4-Methyl-2-Pentanone	9.994	43	1092140	649.161	ug/l		99
52) Toluene	10.170	92	904033	138.659	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	464905	142.541	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	540157	139.760	ug/l		99
55) 1,1,2-Trichloroethane	10.567	97	230372	134.466	ug/l		97
56) Ethyl methacrylate	10.439	69	363115	146.095	ug/l		98
57) 1,3-Dichloropropane	10.713	76	413542	135.406	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	826777	790.569	ug/l		99
59) 2-Hexanone	10.756	43	731842	677.527	ug/l		98
60) Dibromochloromethane	10.908	129	318266	138.906	ug/l		99
61) 1,2-Dibromoethane	11.012	107	218394	137.043	ug/l		100
64) Tetrachloroethene	10.646	164	309587	134.678	ug/l		97
65) Chlorobenzene	11.438	112	948051	138.742	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.512	131	324778	138.995	ug/l		98
67) Ethyl Benzene	11.518	91	1770086	140.410	ug/l		99
68) m/p-Xylenes	11.627	106	1308282	279.114	ug/l		100
69) o-Xylene	11.951	106	617079	141.099	ug/l		99
70) Styrene	11.969	104	1031166	141.122	ug/l		99
71) Bromoform	12.133	173	183216	139.463	ug/l	#	98
73) Isopropylbenzene	12.255	105	1651138	139.276	ug/l		100
74) N-amyl acetate	12.066	43	396216	142.807	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	258787	134.480	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	351473	251.196	ug/l	#	100
77) Bromobenzene	12.530	156	357464	138.423	ug/l		100
78) n-propylbenzene	12.597	91	1971458	138.026	ug/l		99
79) 2-Chlorotoluene	12.676	91	1111362	138.298	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1332805	138.553	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	96747	143.899	ug/l		98
82) 4-Chlorotoluene	12.774	91	1135416	136.190	ug/l		100
83) tert-Butylbenzene	12.999	119	1219521	139.985	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1313945	139.253	ug/l		99
85) sec-Butylbenzene	13.176	105	1737212	137.147	ug/l		100
86) p-Isopropyltoluene	13.292	119	1456581	139.472	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	693843	136.109	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	684559	135.587	ug/l		100
89) n-Butylbenzene	13.615	91	1382912	139.722	ug/l		99
90) Hexachloroethane	13.877	117	293562	141.843	ug/l		99
91) 1,2-Dichlorobenzene	13.658	146	611871	138.532	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	43513	139.274	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	403445	151.011	ug/l		99
94) Hexachlorobutadiene	15.023	225	250003	143.145	ug/l		100
95) Naphthalene	15.145	128	736677	160.836	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	344880	152.787	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020617.D
Acq On : 17 Dec 2024 11:37
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Dec 18 04:54:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

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

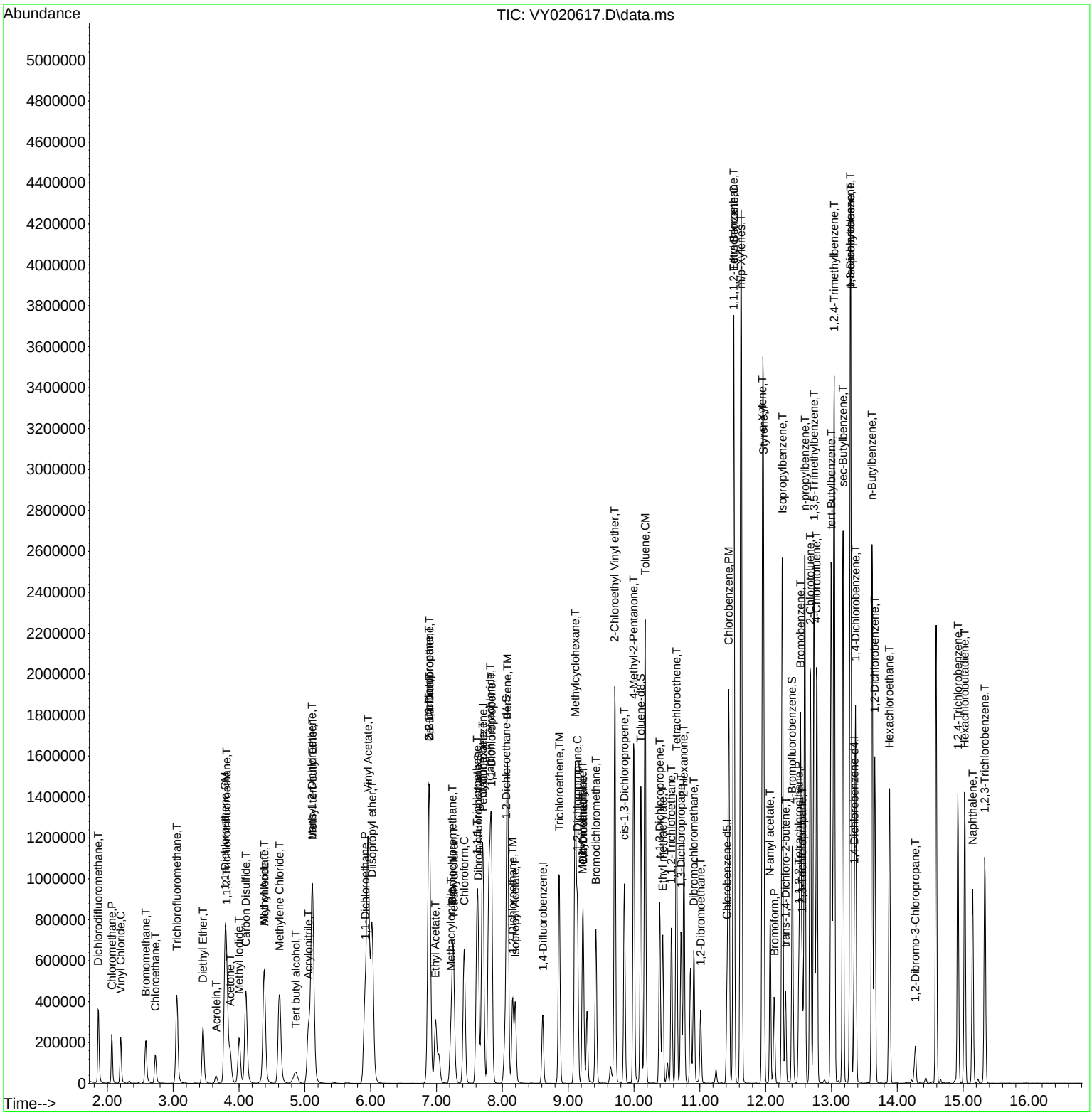
(#) = qualifier out of range (m) = manual integration (+) = signals summed

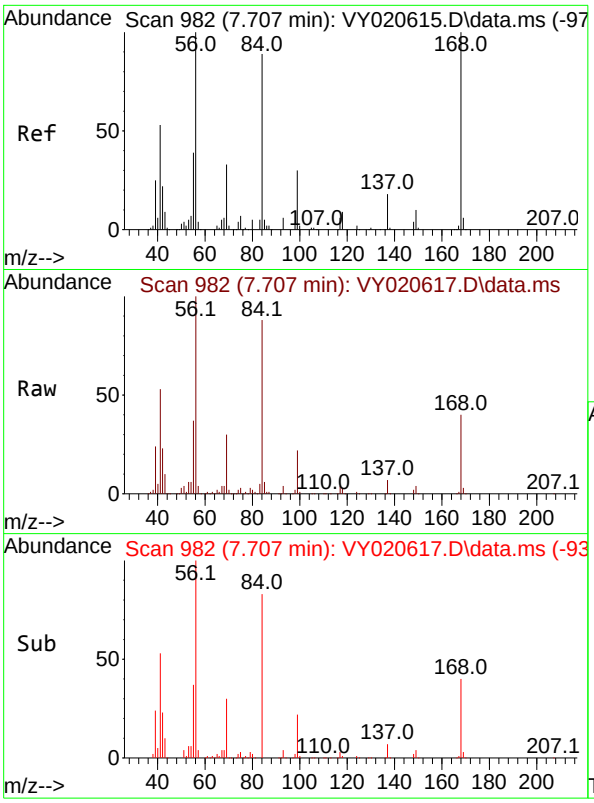
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020617.D
Acq On : 17 Dec 2024 11:37
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Dec 18 04:54:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration



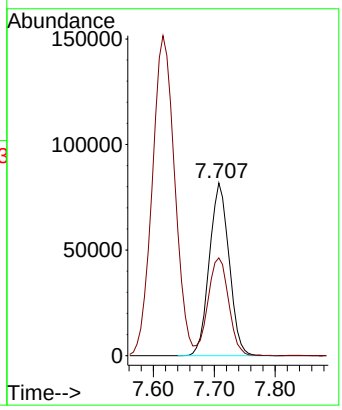


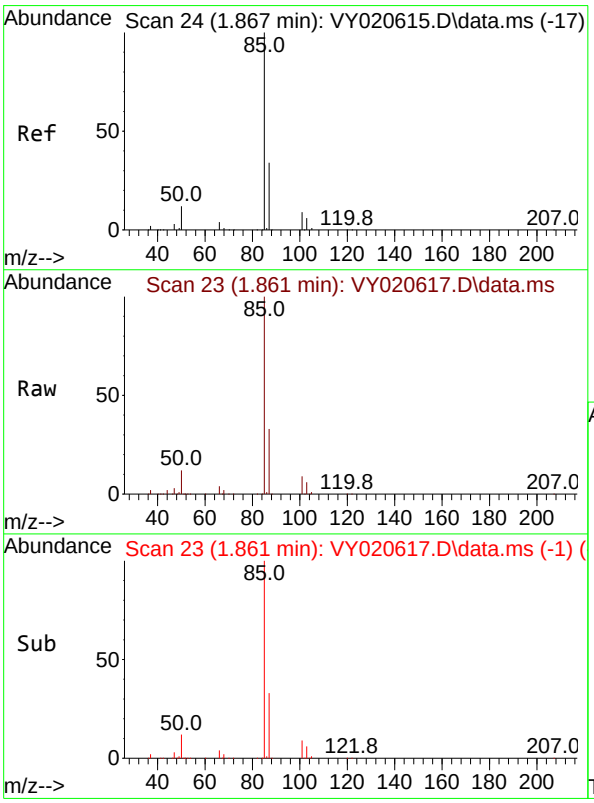
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 184362

Ion	Ratio	Lower	Upper
168	100		
99	56.5	47.0	70.6

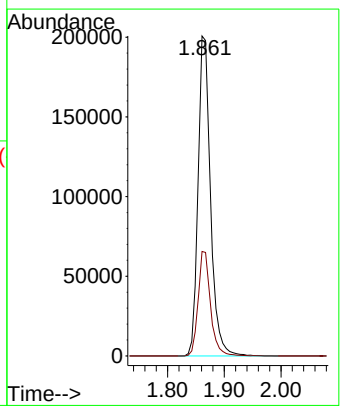


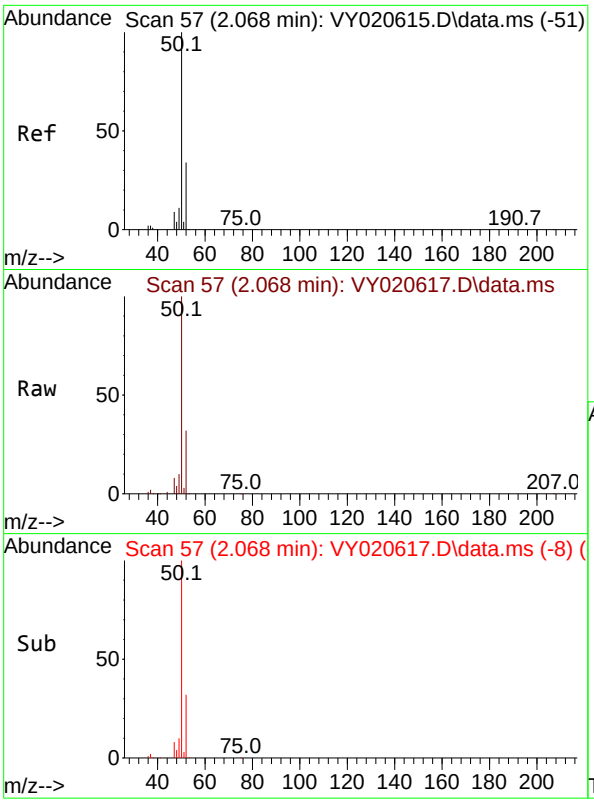


#2
Dichlorodifluoromethane
Concen: 132.646 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 85 Resp: 305452

Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.8	50.3



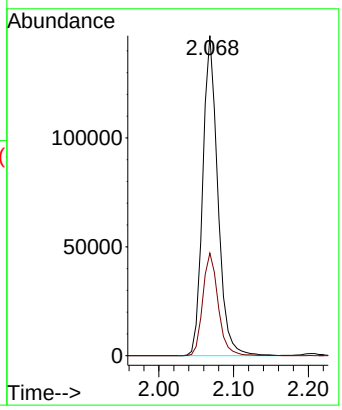


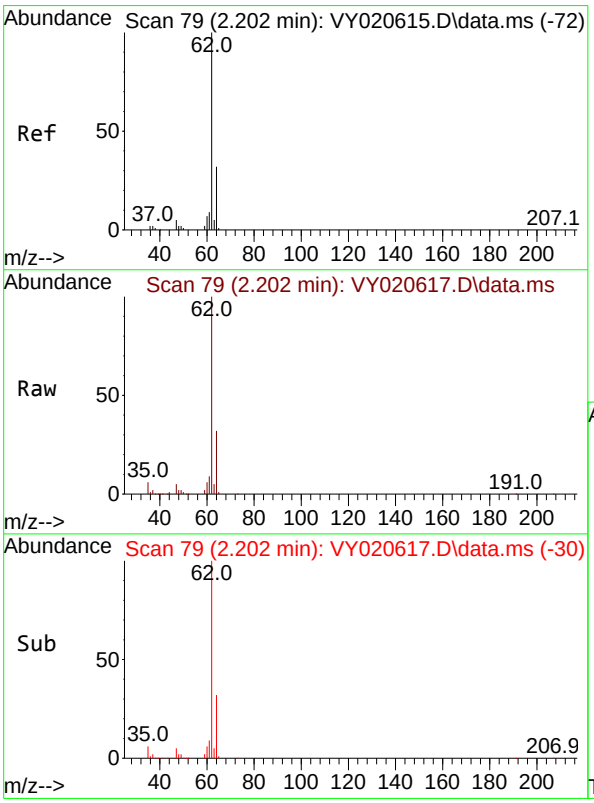
#3
Chloromethane
Concen: 120.474 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 205555

Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.8	40.2

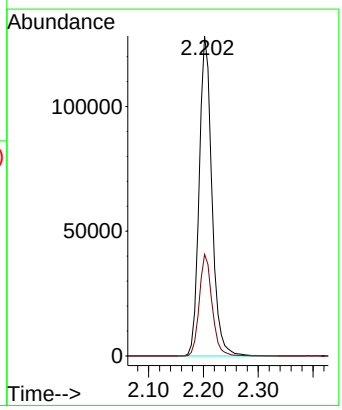


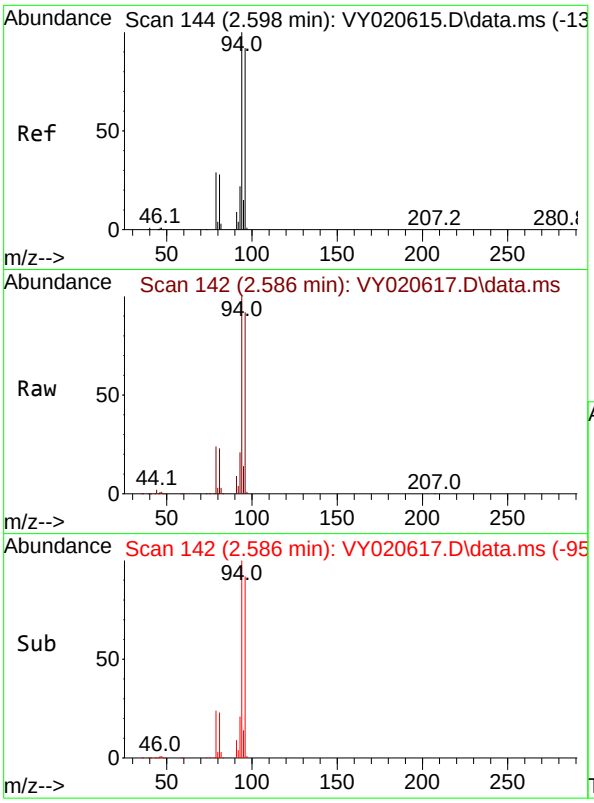


#4
Vinyl Chloride
Concen: 130.199 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 62 Resp: 206764

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.3	37.9



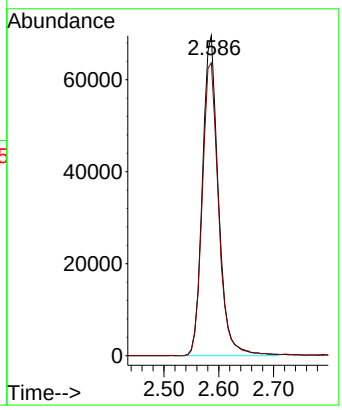


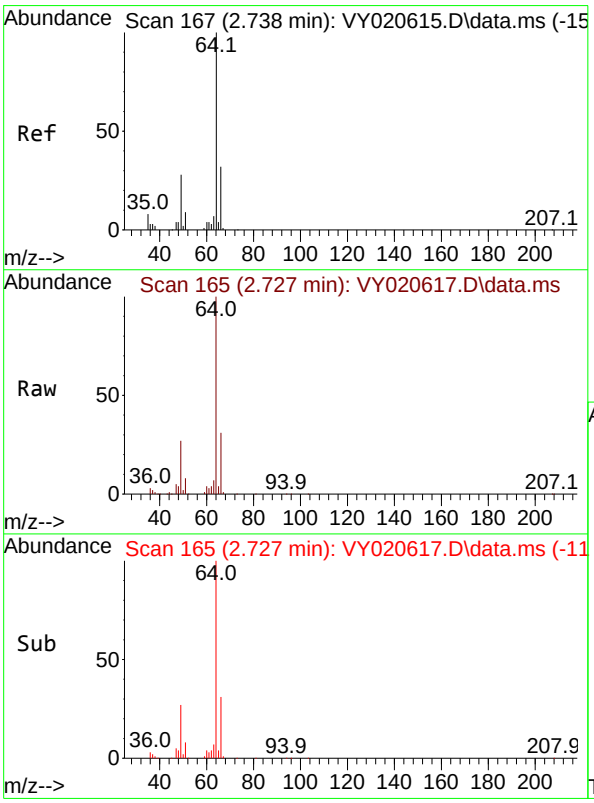
#5
Bromomethane
Concen: 137.550 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 140413

Ion	Ratio	Lower	Upper
94	100		
96	91.5	73.8	110.6

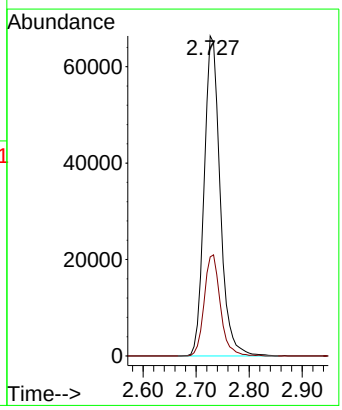


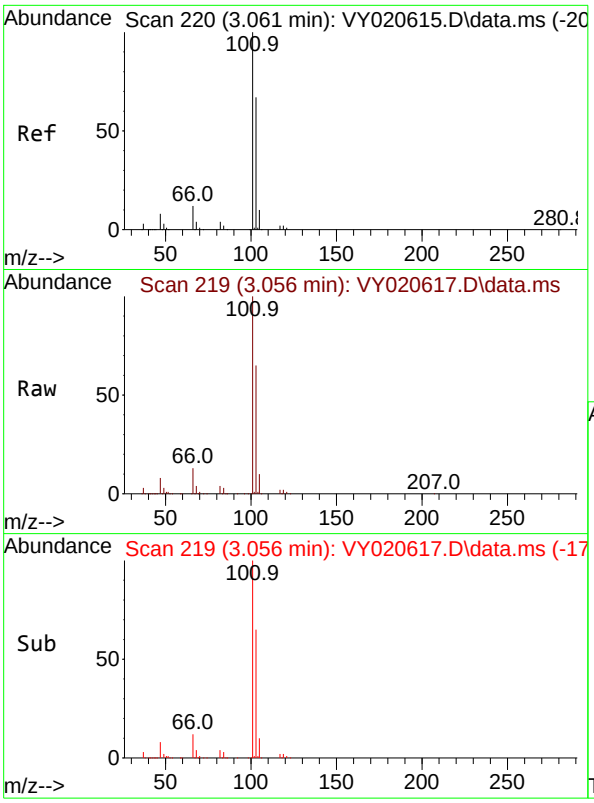


#6
Chloroethane
Concen: 141.459 ug/l
RT: 2.727 min Scan# 165
Delta R.T. -0.012 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 64 Resp: 138821

Ion	Ratio	Lower	Upper
64	100		
66	31.0	25.8	38.6



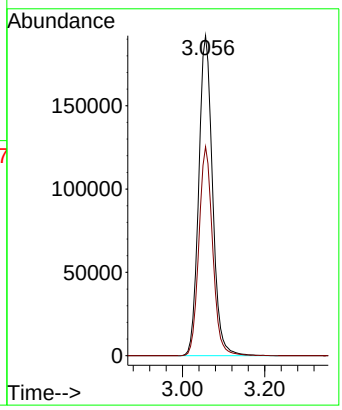


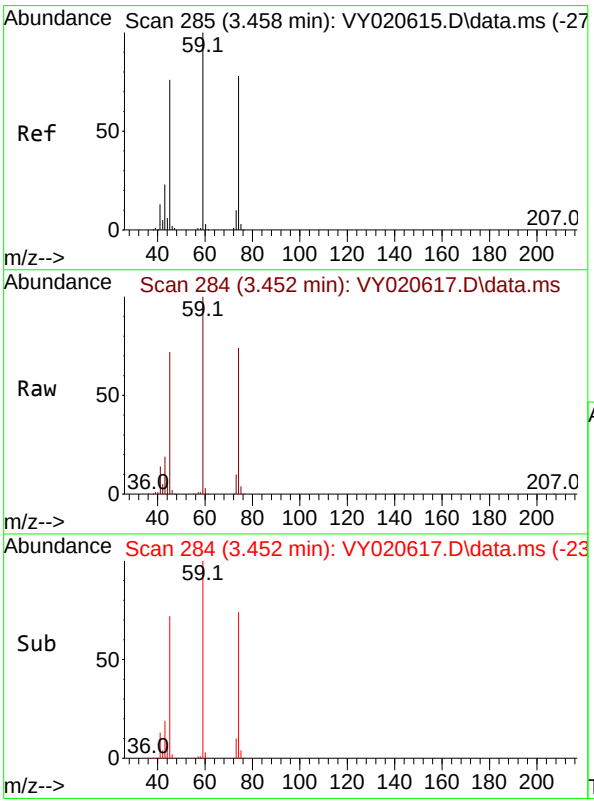
#7
Trichlorofluoromethane
Concen: 134.789 ug/l
RT: 3.056 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 447890

Ion	Ratio	Lower	Upper
101	100		
103	65.3	53.4	80.0

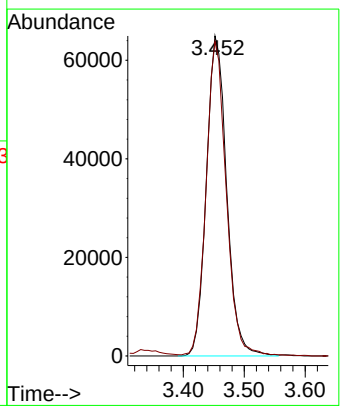


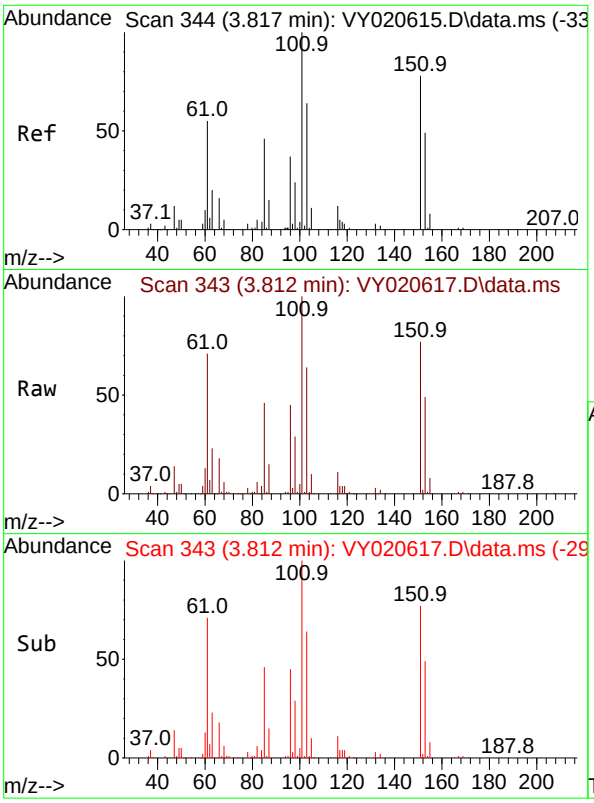


#8
Diethyl Ether
Concen: 129.035 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 74 Resp: 150374

Ion	Ratio	Lower	Upper
74	100		
45	97.8	49.0	147.2



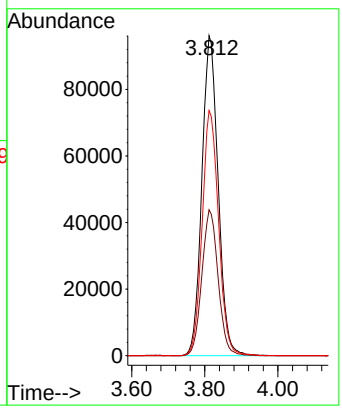


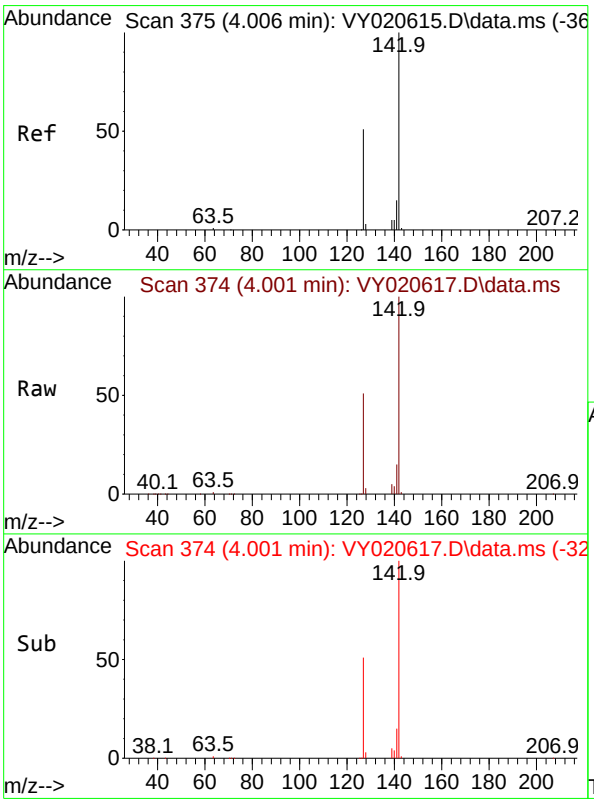
#9
1,1,2-Trichlorotrifluoroethane
Concen: 124.769 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 297171

Ion	Ratio	Lower	Upper
101	100		
85	45.5	36.6	54.8
151	77.2	61.5	92.3

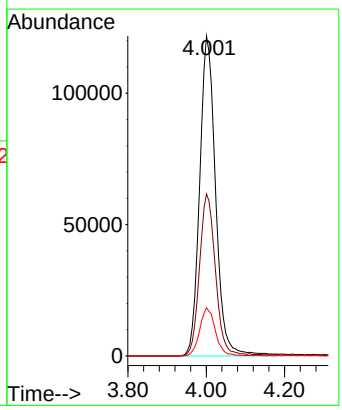


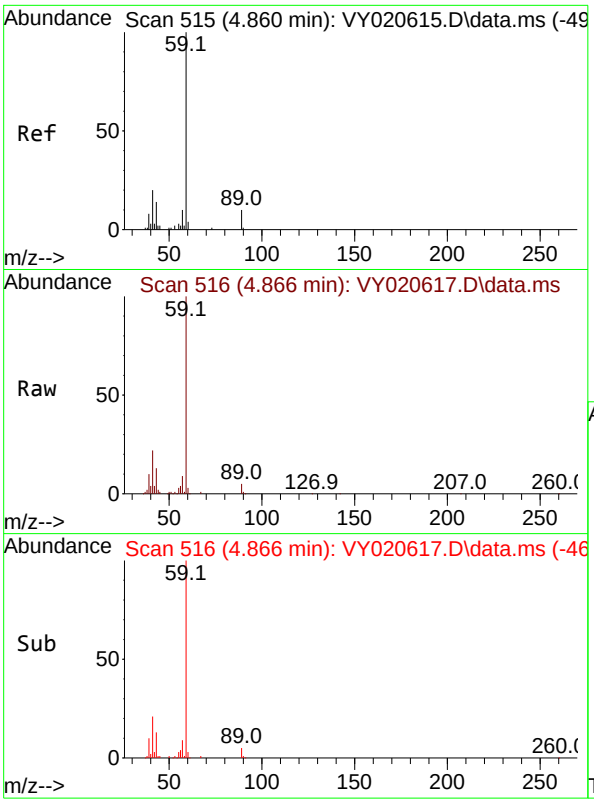


#10
Methyl Iodide
Concen: 130.361 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.005 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:142 Resp: 345686

Ion	Ratio	Lower	Upper
142	100		
127	50.4	40.6	61.0
141	14.8	11.7	17.5



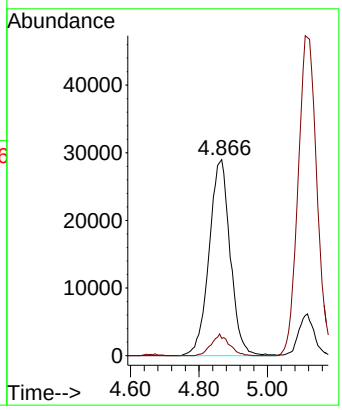


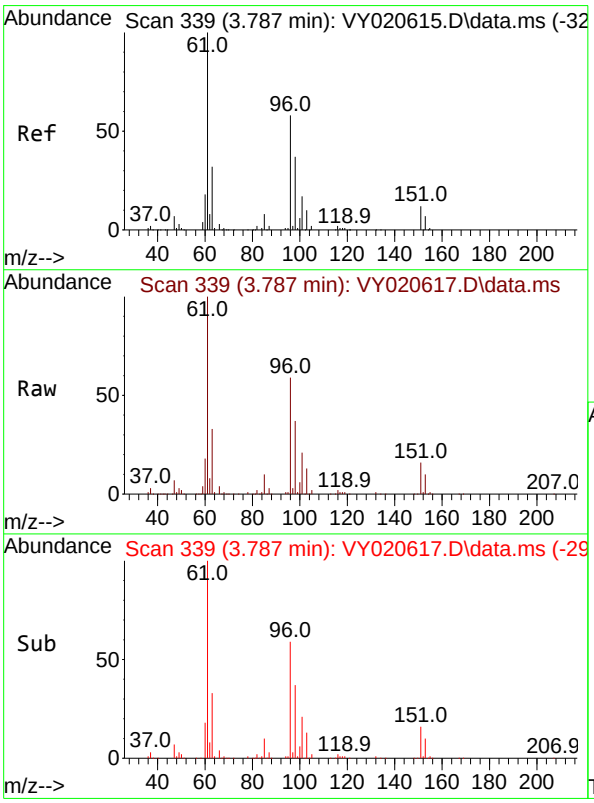
#11
Tert butyl alcohol
Concen: 737.397 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 123878

Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.4	11.0

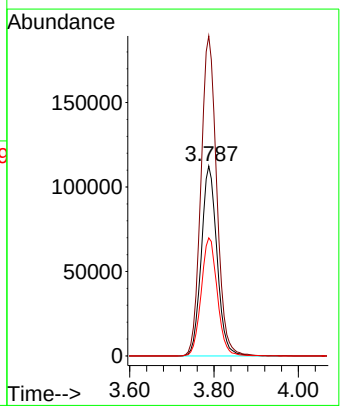


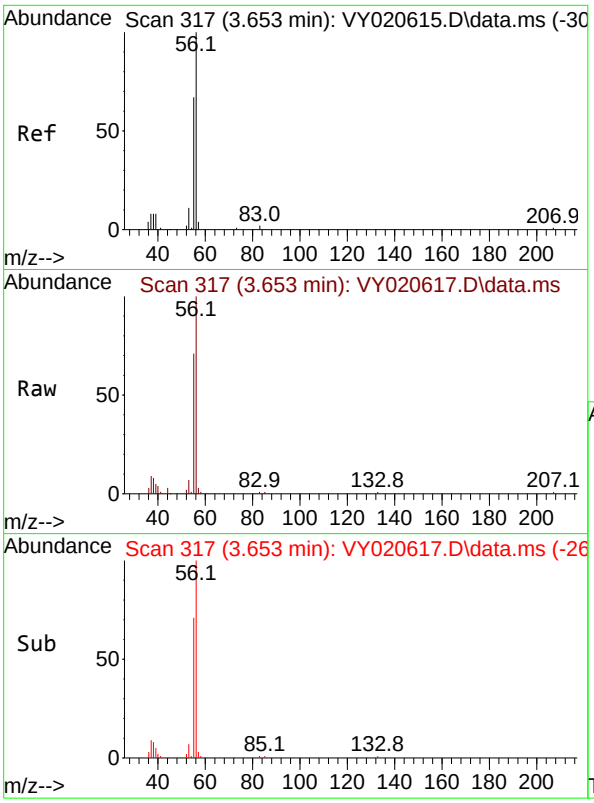


#12
1,1-Dichloroethene
Concen: 126.344 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 96 Resp: 291982

Ion	Ratio	Lower	Upper
96	100		
61	168.5	136.9	205.3
98	62.2	50.2	75.4



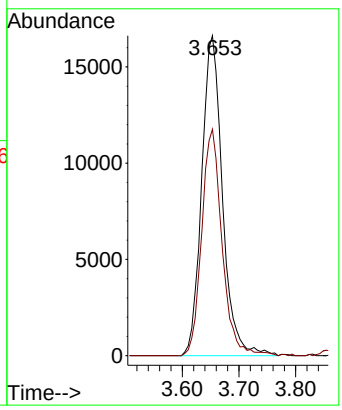


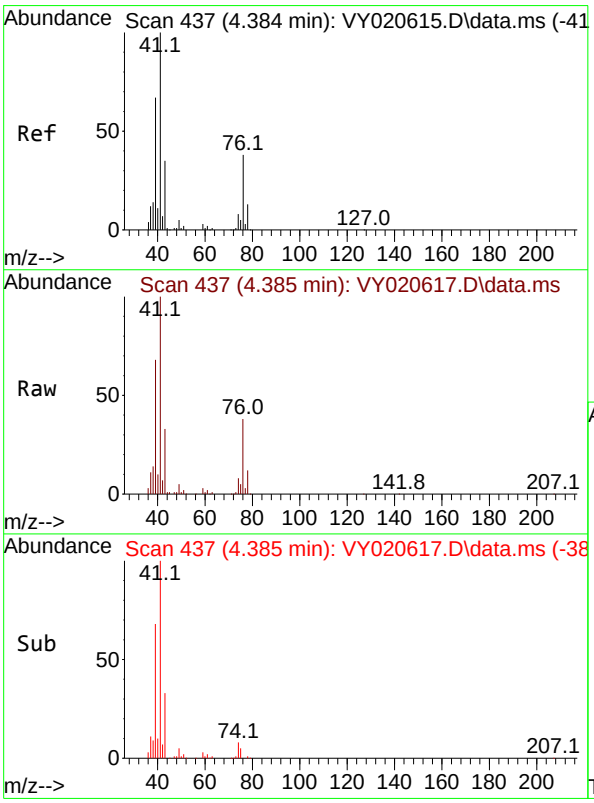
#13
Acrolein
Concen: 442.848 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 42281

Ion	Ratio	Lower	Upper
56	100		
55	69.2	57.5	86.3

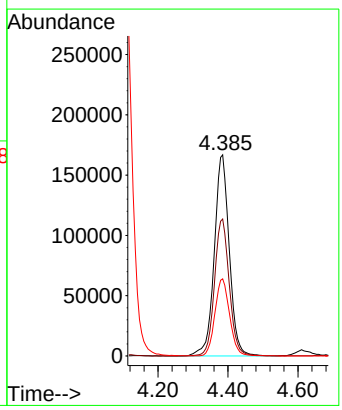


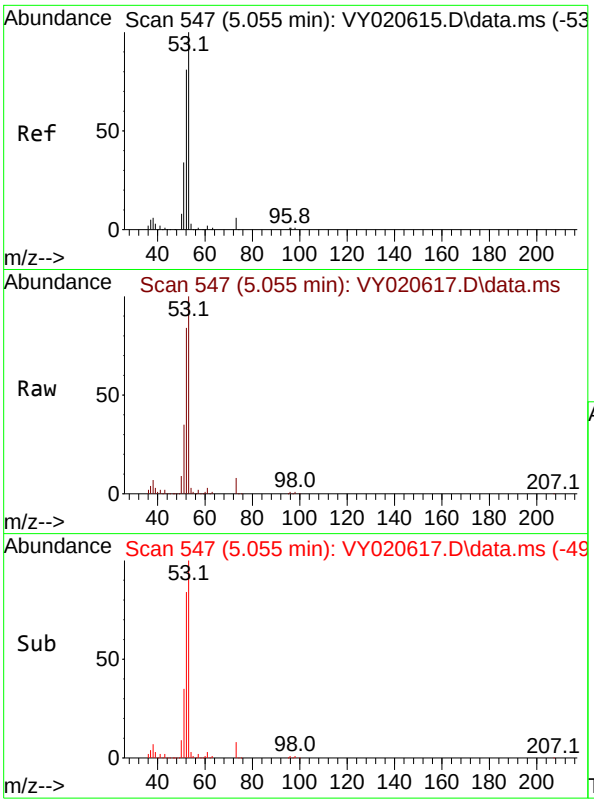


#14
Allyl chloride
Concen: 123.037 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 41 Resp: 498233

Ion	Ratio	Lower	Upper
41	100		
39	66.8	53.0	79.4
76	37.4	29.5	44.3



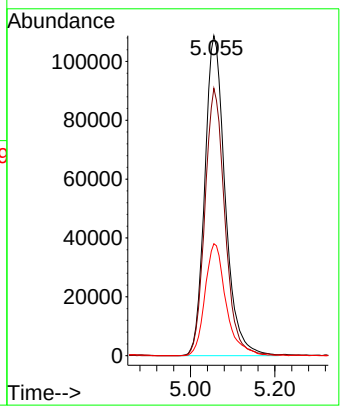


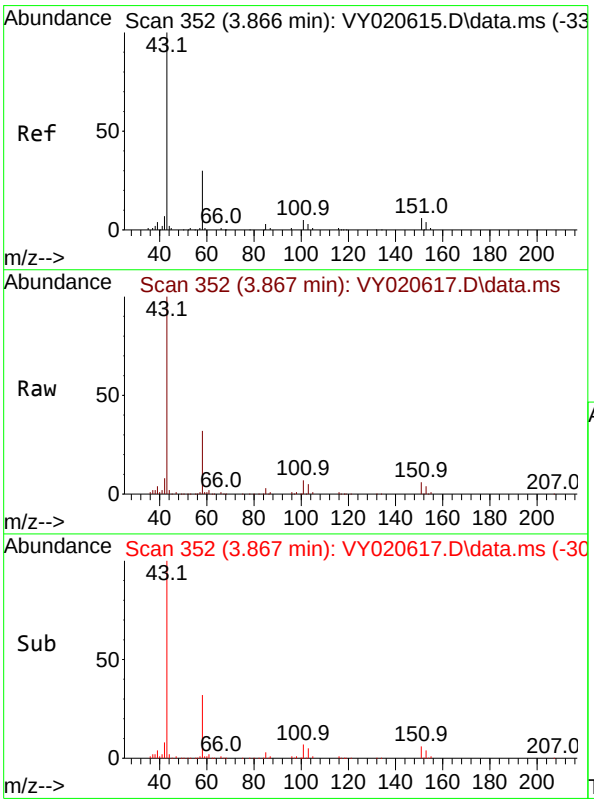
#15
Acrylonitrile
Concen: 655.216 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 365294

Ion	Ratio	Lower	Upper
53	100		
52	82.2	64.5	96.7
51	36.2	29.4	44.0

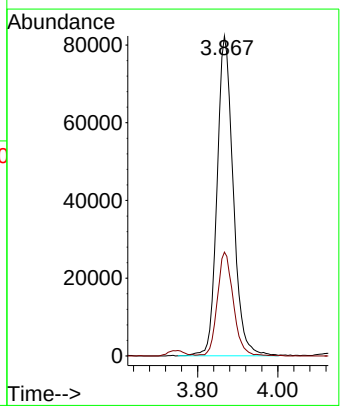


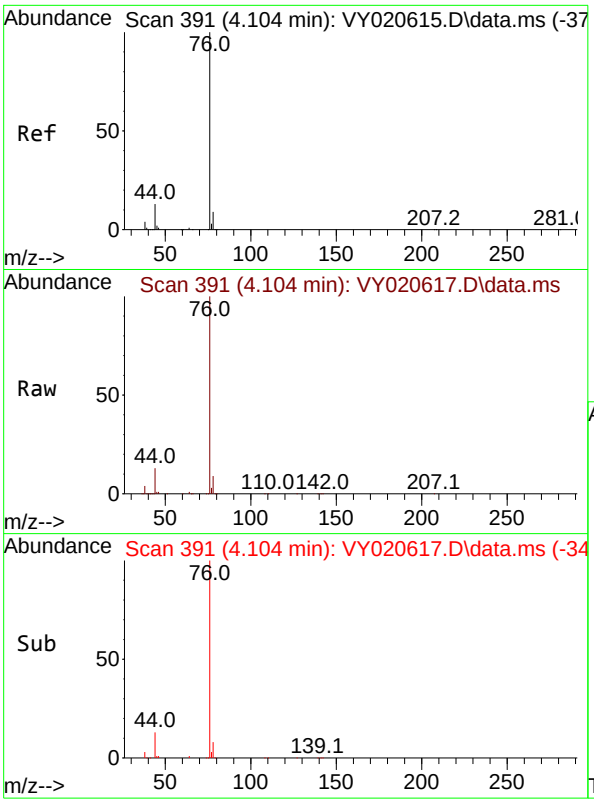


#16
Acetone
Concen: 580.396 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.001 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 43 Resp: 229404

Ion	Ratio	Lower	Upper
43	100		
58	32.4	25.0	37.6



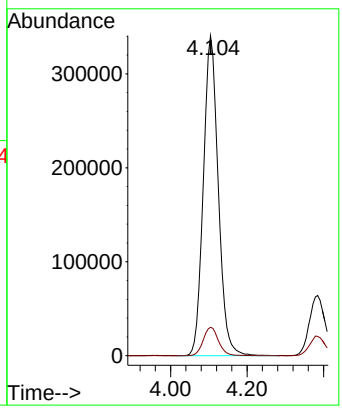


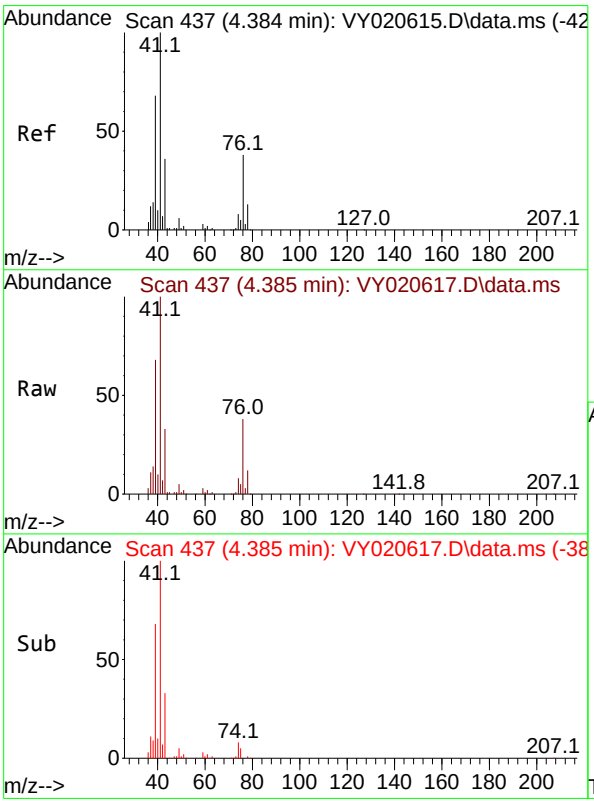
#17
Carbon Disulfide
Concen: 122.748 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 923365

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

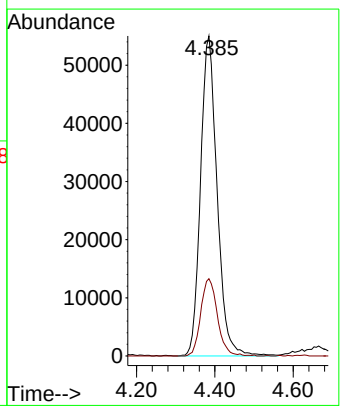


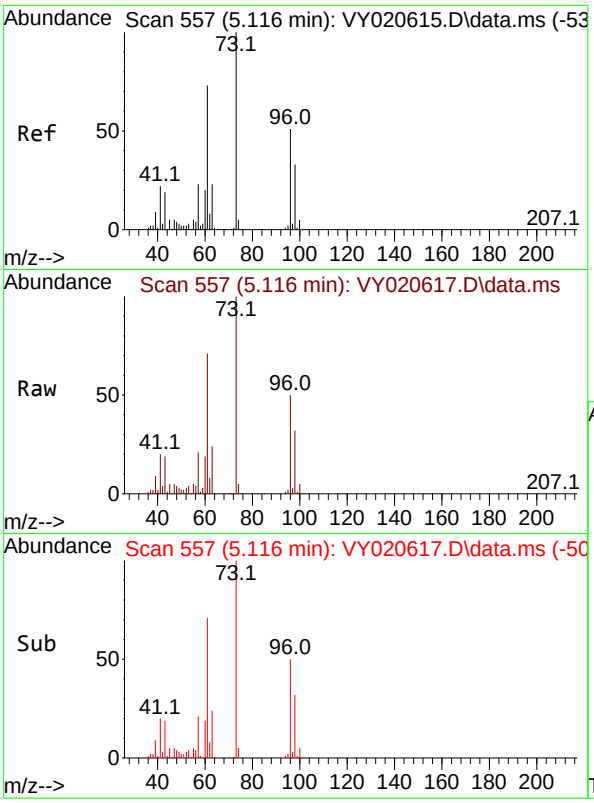


#18
Methyl Acetate
Concen: 117.584 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 43 Resp: 161535

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.2	28.8



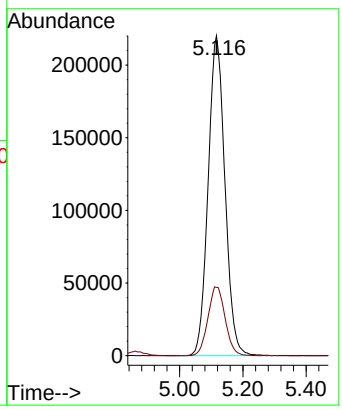


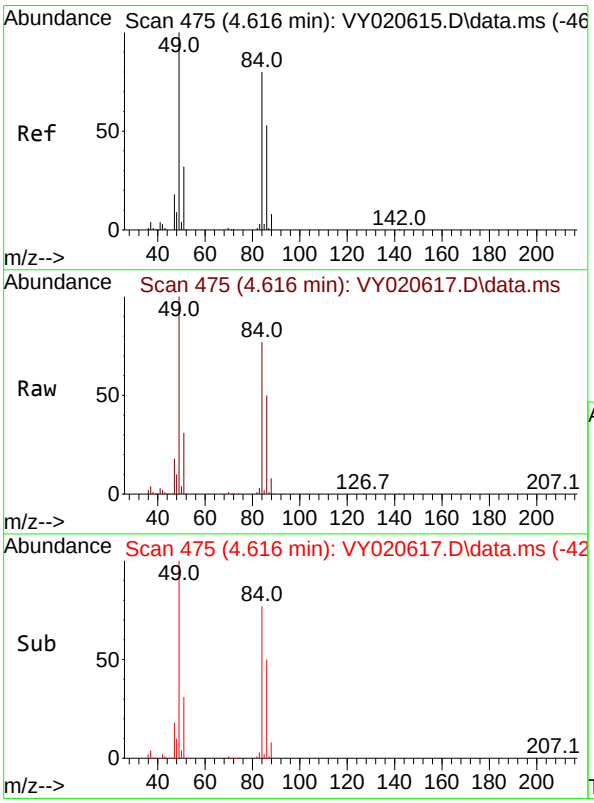
#19
Methyl tert-butyl Ether
Concen: 135.895 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 810589

Ion	Ratio	Lower	Upper
73	100		
57	21.4	18.5	27.7

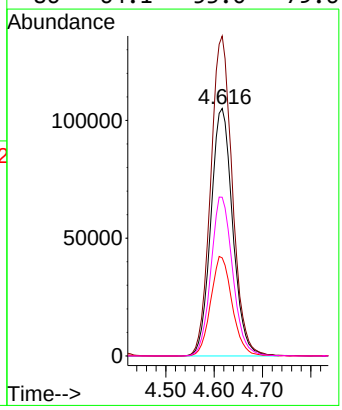


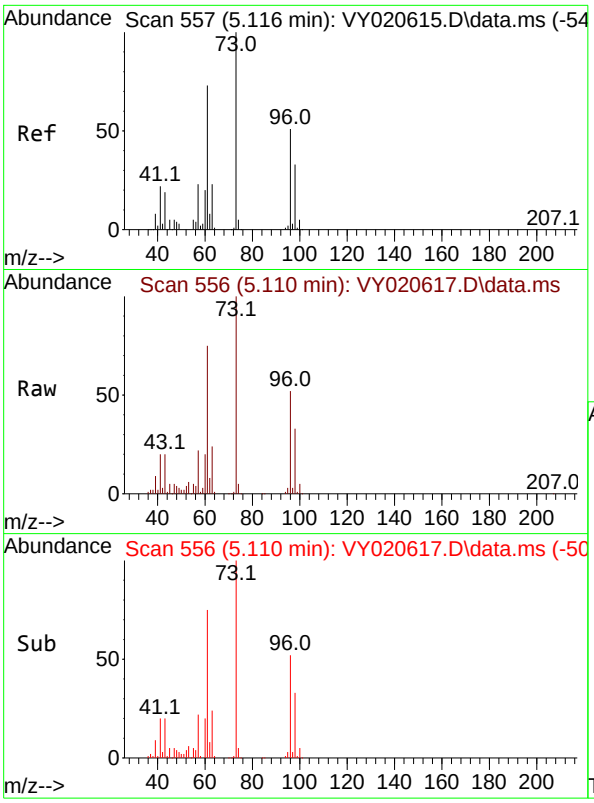


#20
Methylene Chloride
Concen: 131.394 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 84 Resp: 329862

Ion	Ratio	Lower	Upper
84	100		
49	129.3	100.7	151.1
51	39.6	32.2	48.2
86	64.1	53.0	79.6



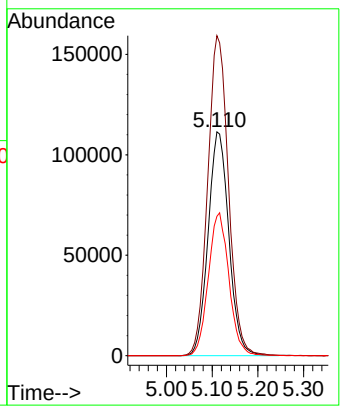


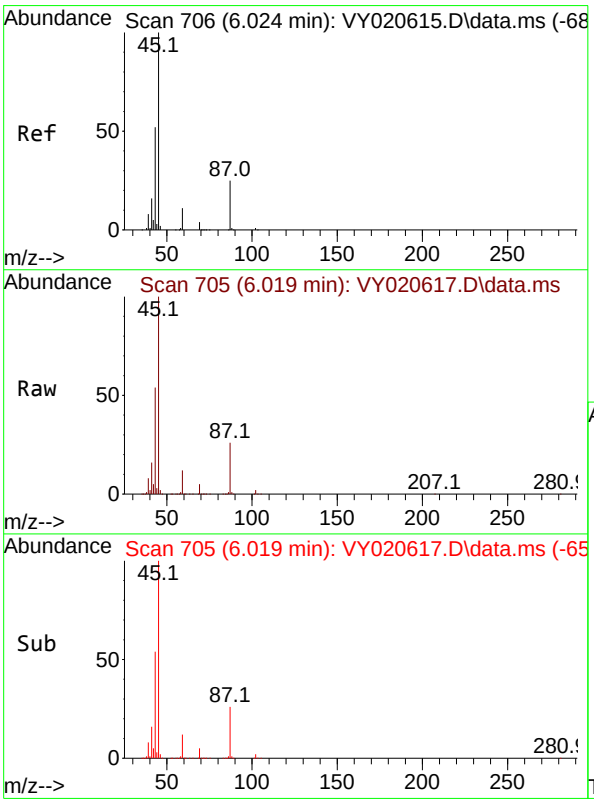
#21
trans-1,2-Dichloroethene
Concen: 135.586 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 351487

Ion	Ratio	Lower	Upper
96	100		
61	142.9	113.7	170.5
98	62.2	51.7	77.5

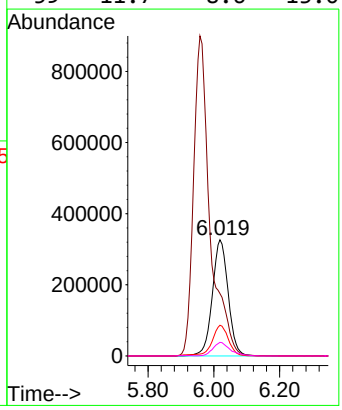


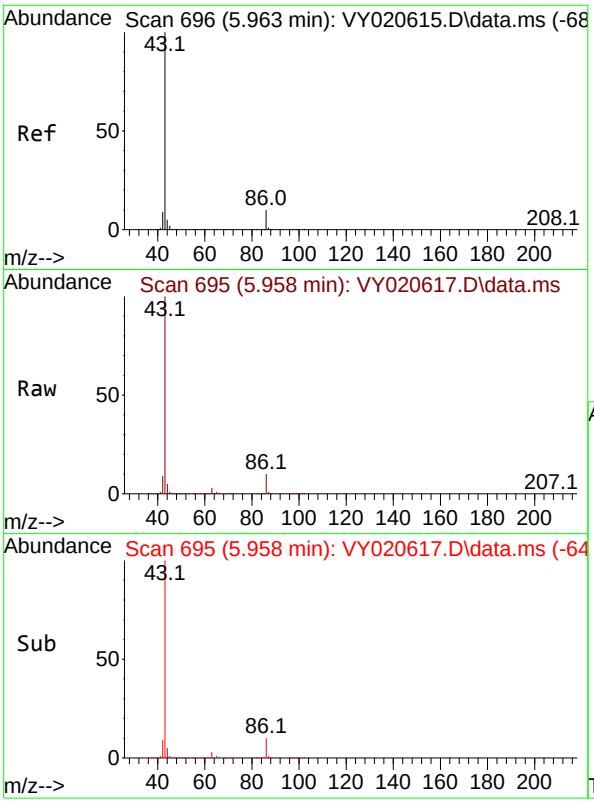


#22
Diisopropyl ether
Concen: 132.601 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 45 Resp: 1089955

Ion	Ratio	Lower	Upper
45	100		
43	53.7	42.6	64.0
87	26.4	20.6	31.0
59	11.7	8.6	13.0



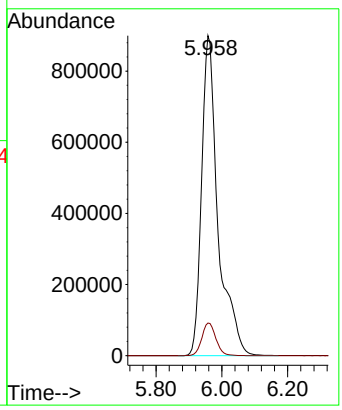


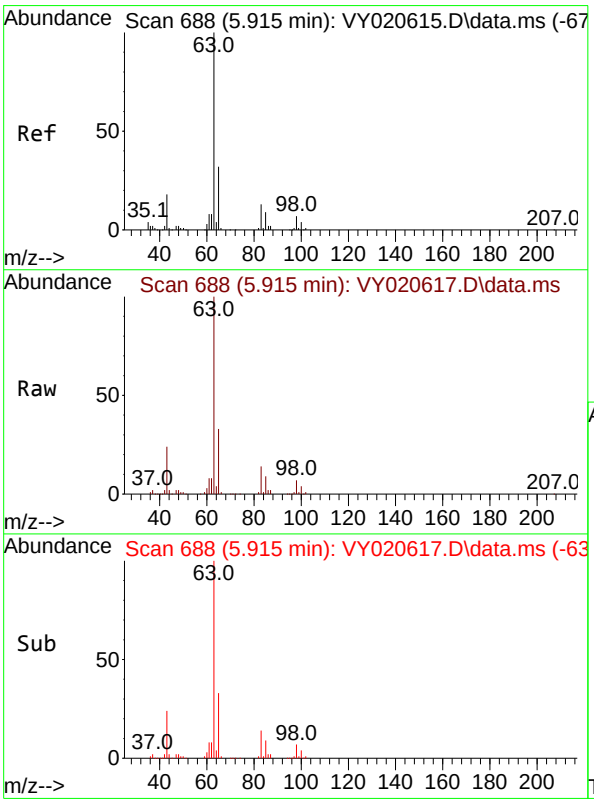
#23
Vinyl Acetate
Concen: 670.840 ug/l
RT: 5.958 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 3123065

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.1	12.1

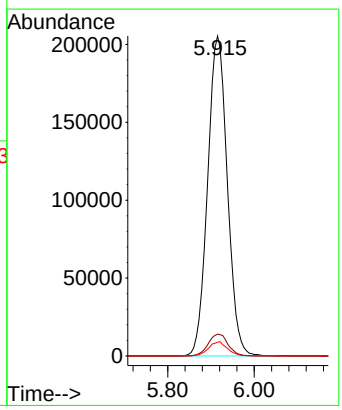


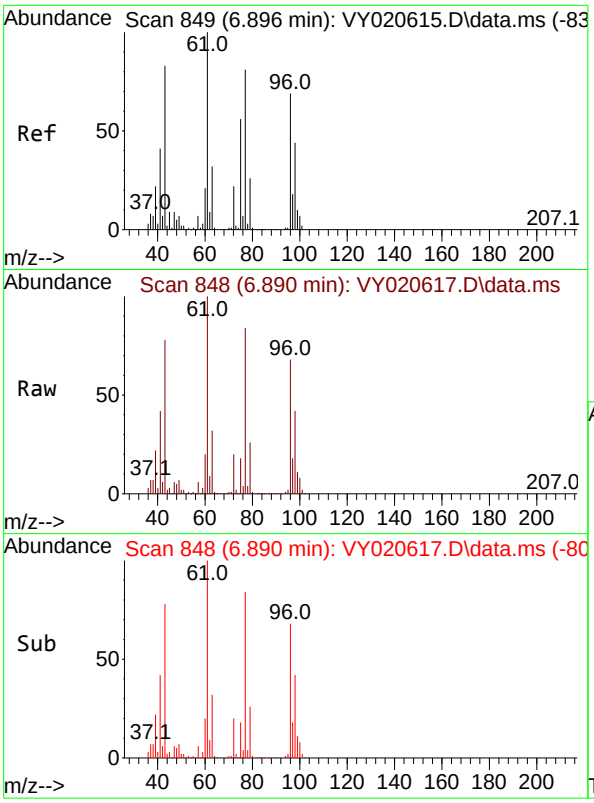


#24
1,1-Dichloroethane
Concen: 134.755 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 63 Resp: 648906

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.1
100	4.3	2.1	6.5



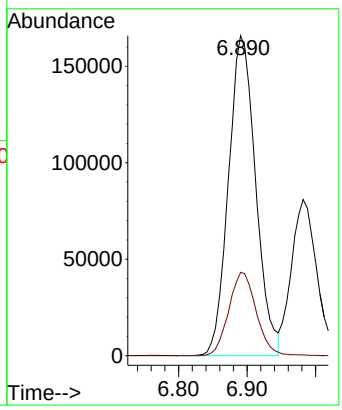


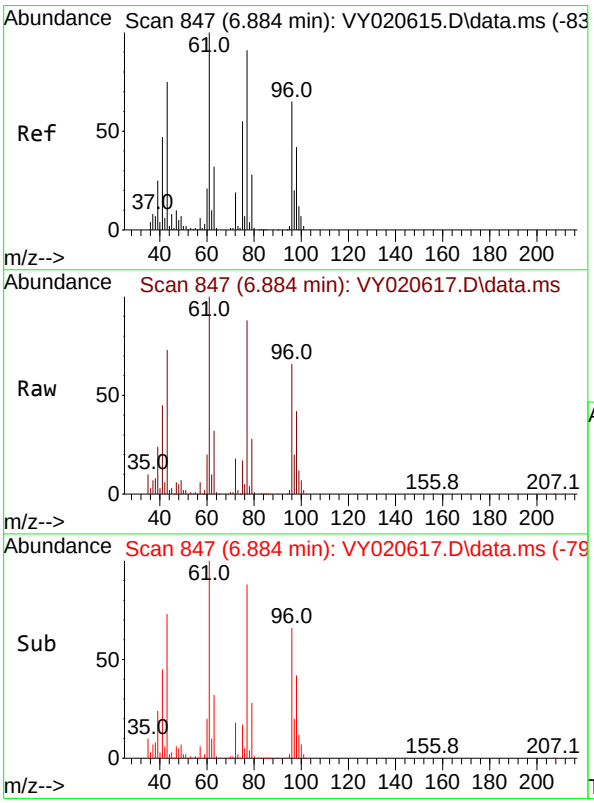
#25
2-Butanone
Concen: 611.252 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 458674

Ion	Ratio	Lower	Upper
43	100		
72	26.0	20.6	31.0

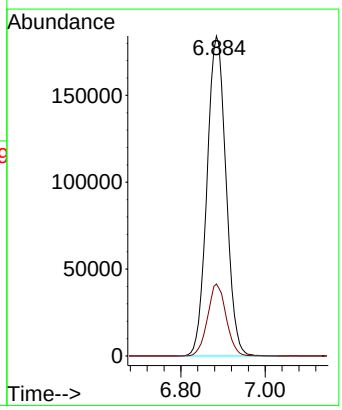


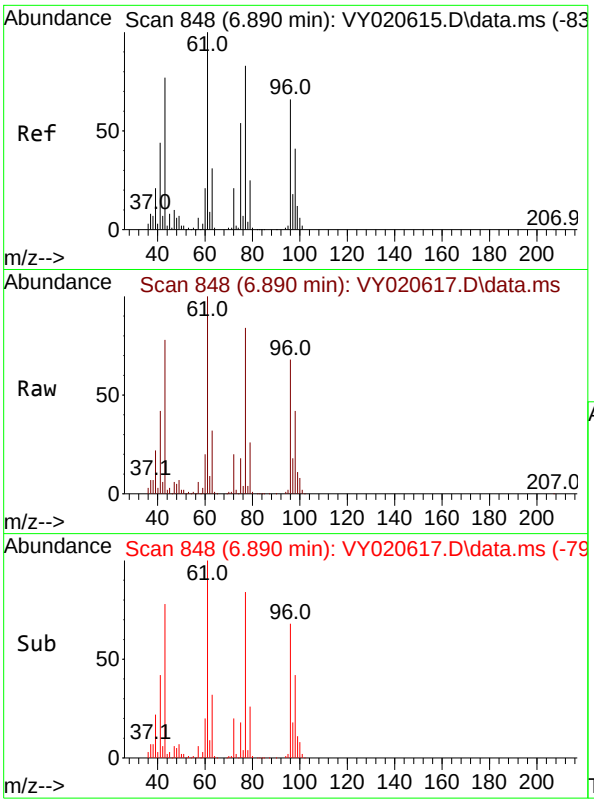


#26
2,2-Dichloropropane
Concen: 126.503 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 77 Resp: 575868

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.6



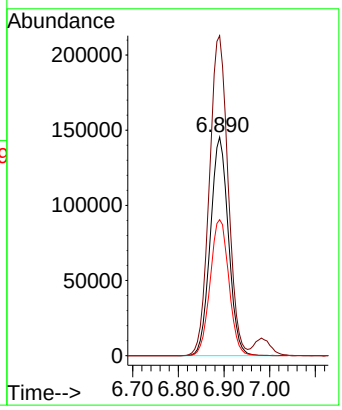


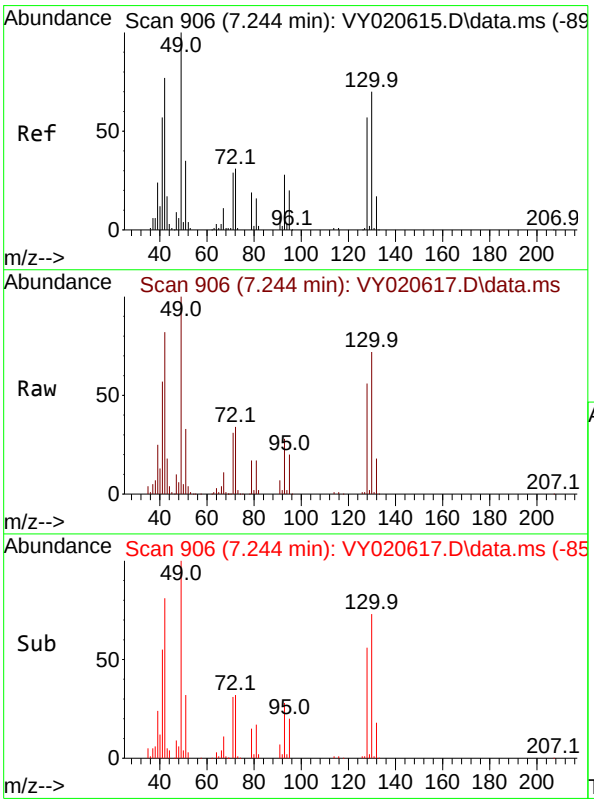
#27
cis-1,2-Dichloroethene
Concen: 134.176 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 400187

Ion	Ratio	Lower	Upper
96	100		
61	151.3	0.0	306.2
98	64.3	0.0	127.2

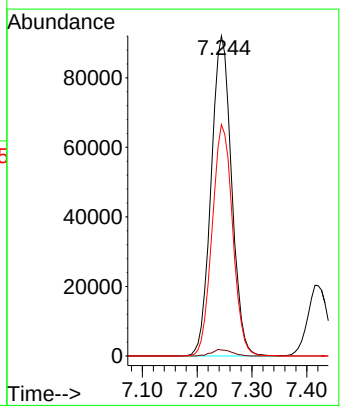


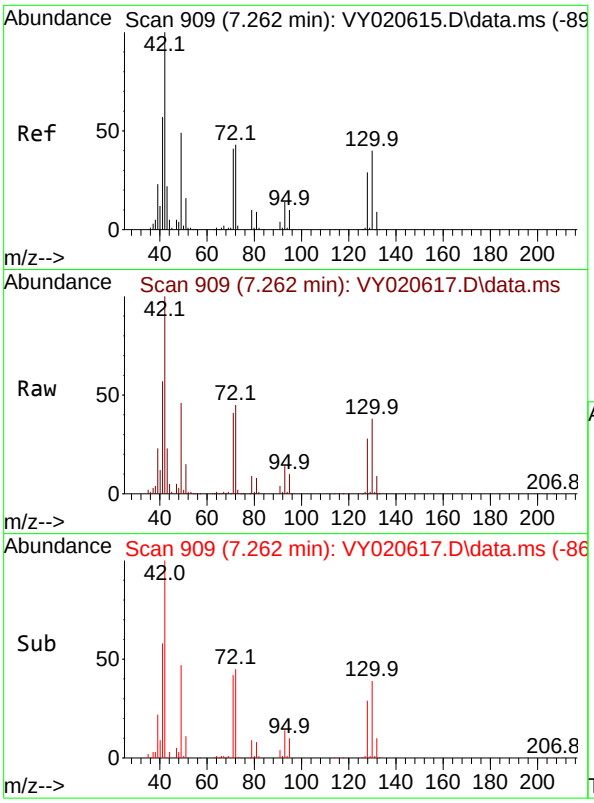


#28
Bromochloromethane
Concen: 147.100 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 49 Resp: 238929

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	72.3	58.3	87.5



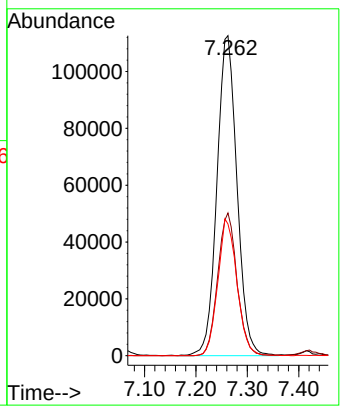


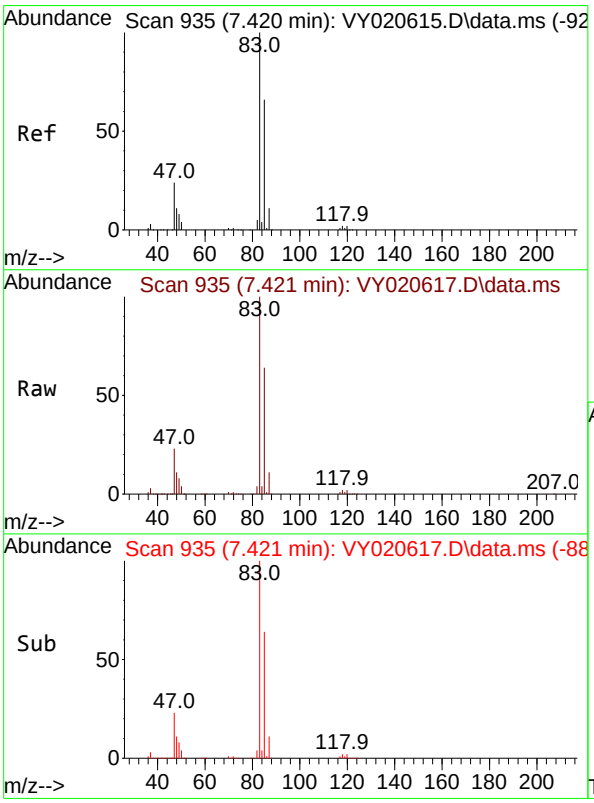
#29
Tetrahydrofuran
Concen: 644.700 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 305396

Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.0	51.0
71	40.7	31.6	47.4

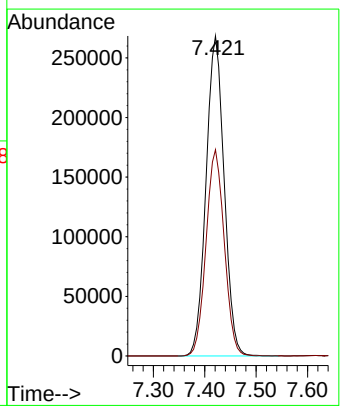


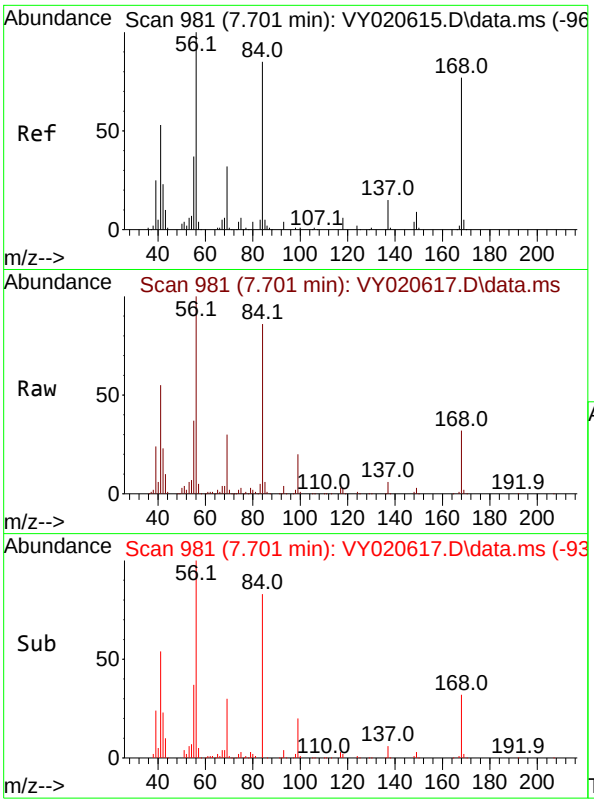


#30
Chloroform
Concen: 145.857 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.001 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 83 Resp: 656177

Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.7	79.1



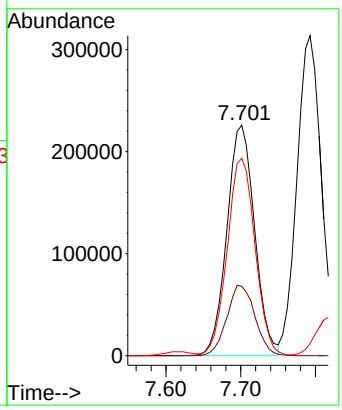


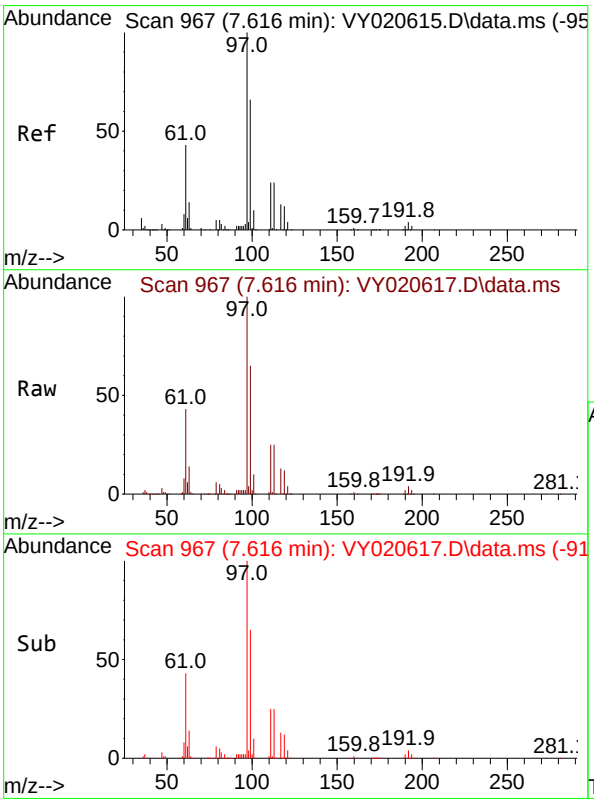
#31
Cyclohexane
Concen: 126.896 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 584271

Ion	Ratio	Lower	Upper
56	100		
69	30.1	25.4	38.0
84	83.9	68.3	102.5

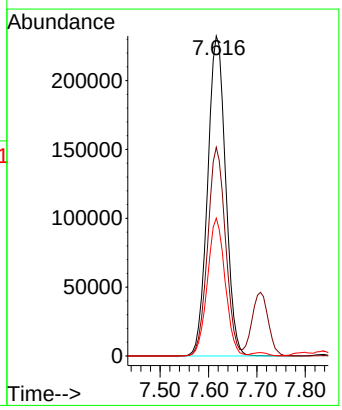


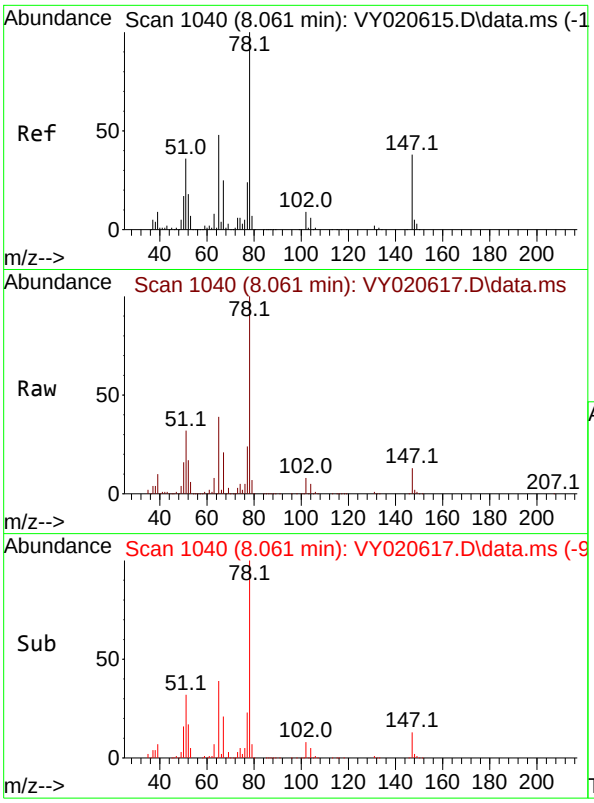


#32
1,1,1-Trichloroethane
Concen: 135.784 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 97 Resp: 600711

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	42.4	34.7	52.1



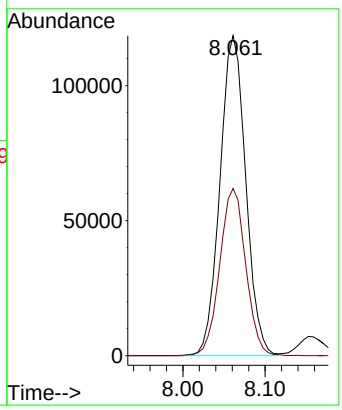


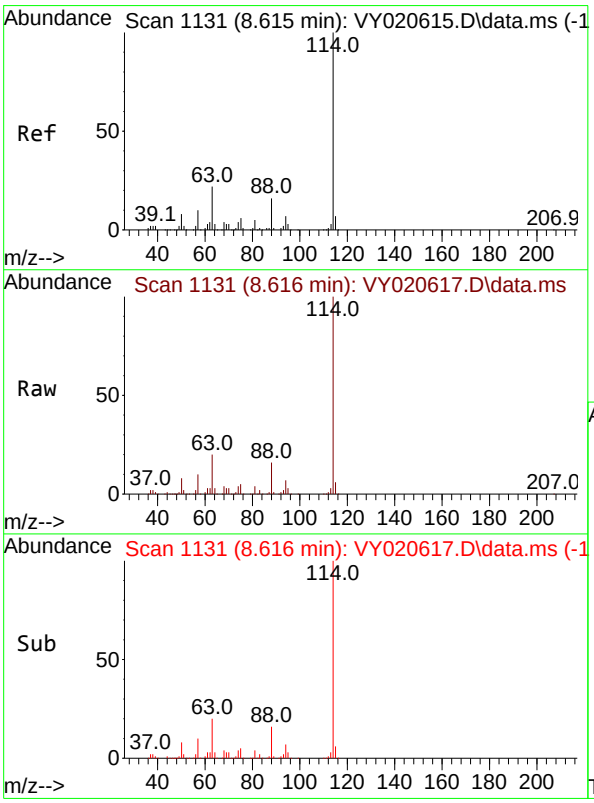
#33
1,2-Dichloroethane-d4
Concen: 128.022 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 258496

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	108.0

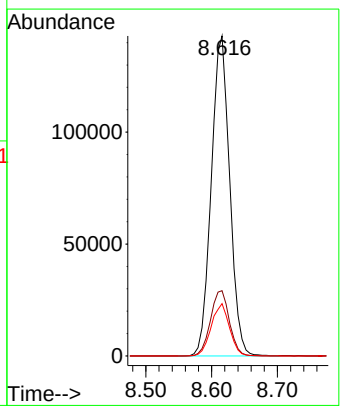


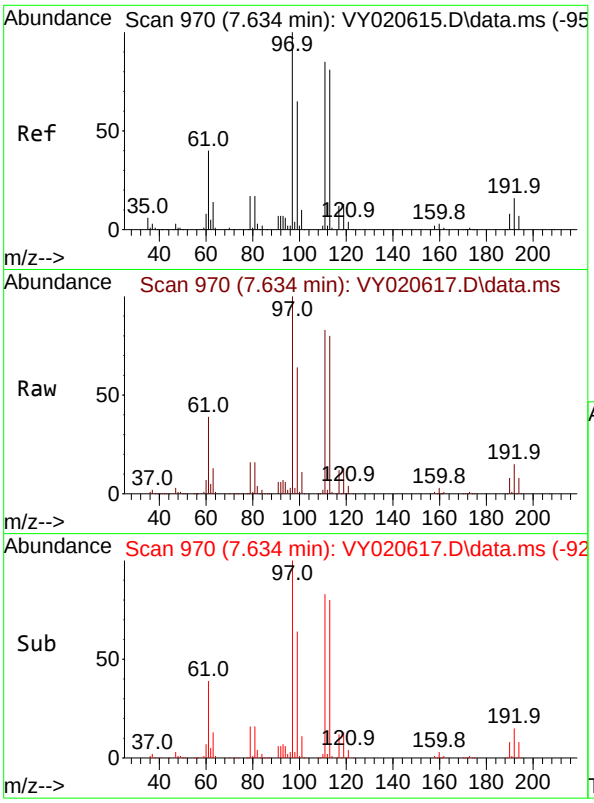


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:114 Resp: 278509

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	44.0
88	16.3	0.0	32.8



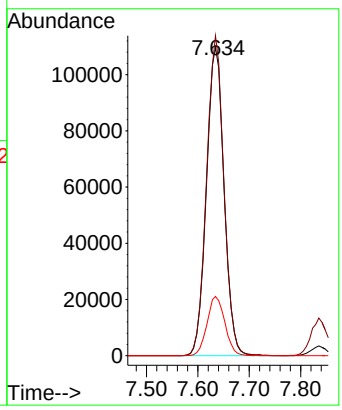


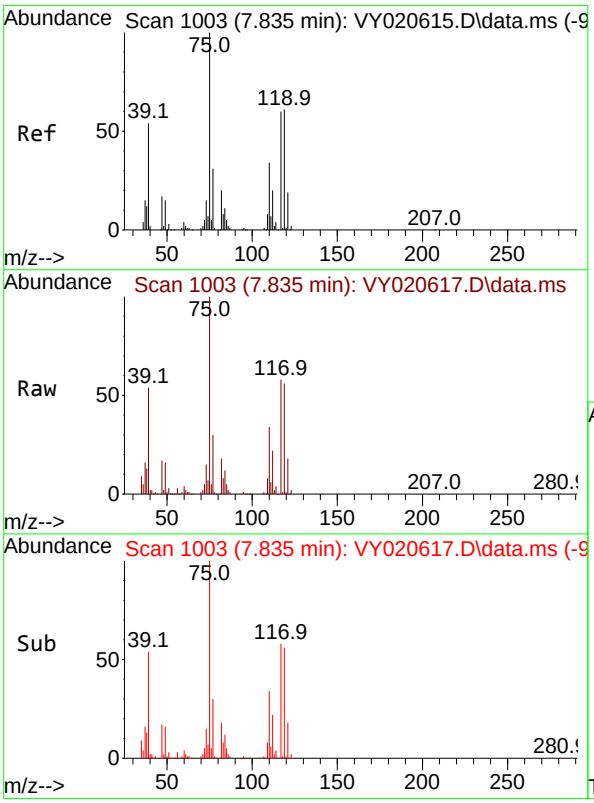
#35
Dibromofluoromethane
Concen: 133.217 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 261486

Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.9	124.3
192	19.4	15.7	23.5

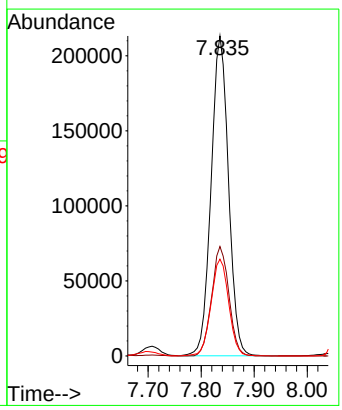


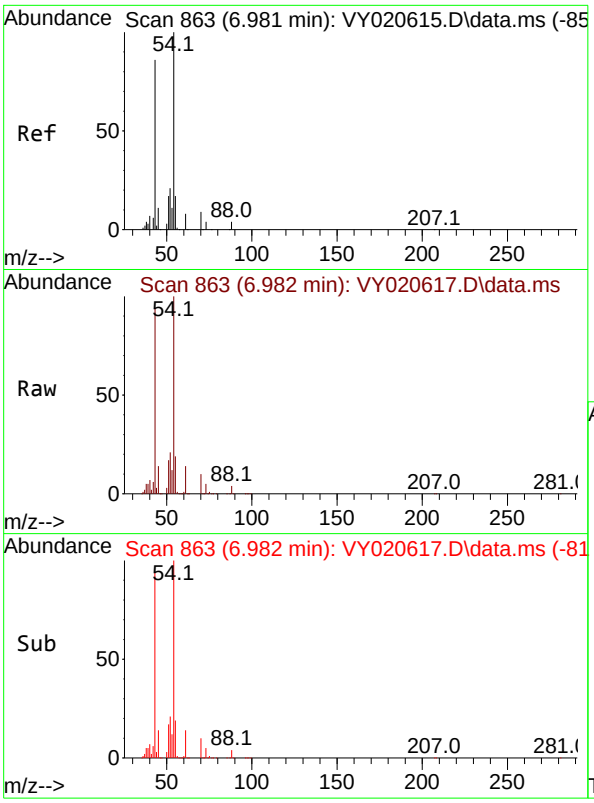


#36
1,1-Dichloropropene
Concen: 135.636 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 75 Resp: 485468

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.8	50.4
77	30.8	25.0	37.6



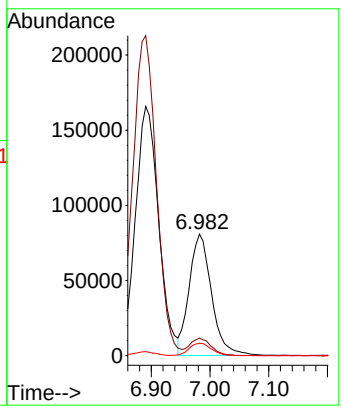


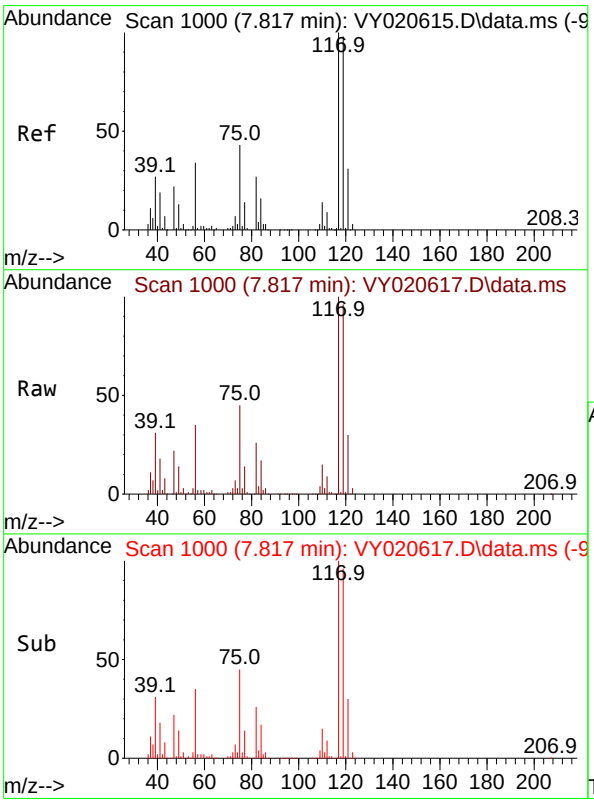
#37
Ethyl Acetate
Concen: 126.794 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 213468

Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.4
70	10.3	7.9	11.9

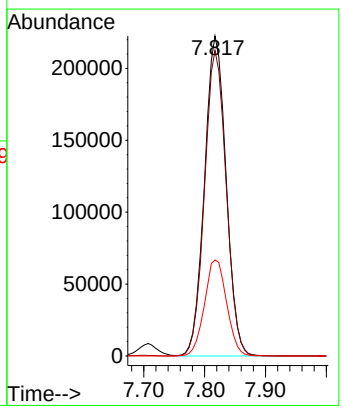


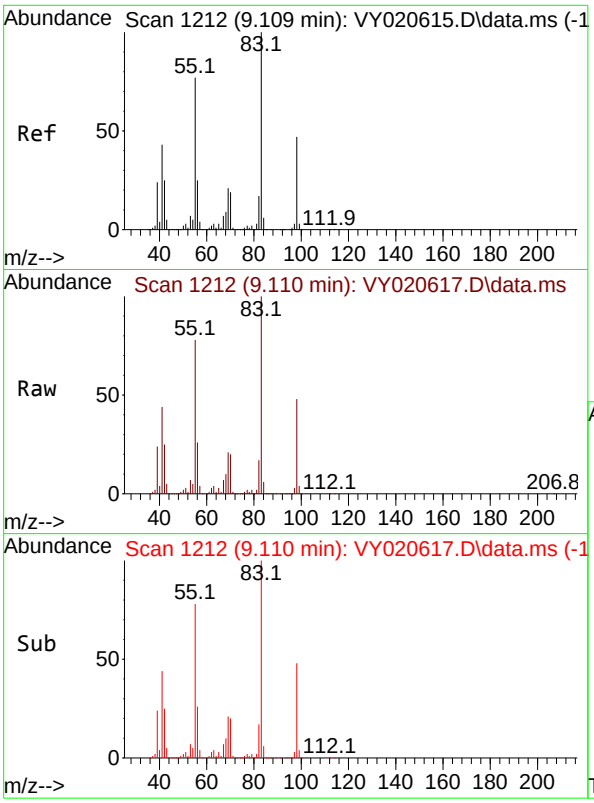


#38
Carbon Tetrachloride
Concen: 138.477 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:117 Resp: 548361

Ion	Ratio	Lower	Upper
117	100		
119	95.5	78.3	117.5
121	30.0	25.1	37.7



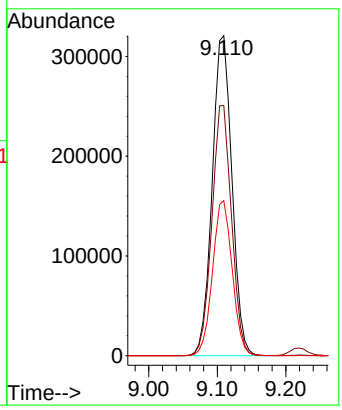


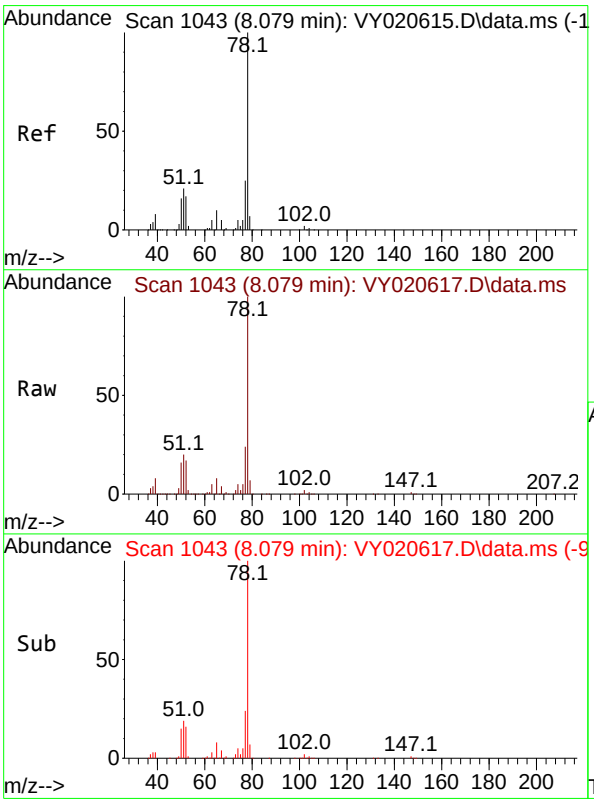
#39
Methylcyclohexane
Concen: 137.259 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 640301

Ion	Ratio	Lower	Upper
83	100		
55	78.2	61.4	92.0
98	48.5	37.3	55.9

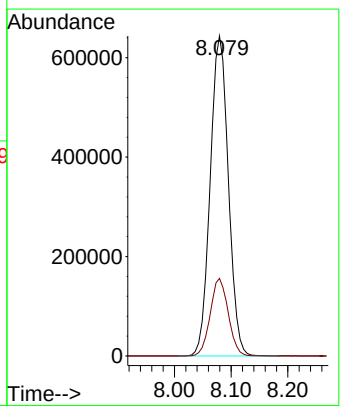


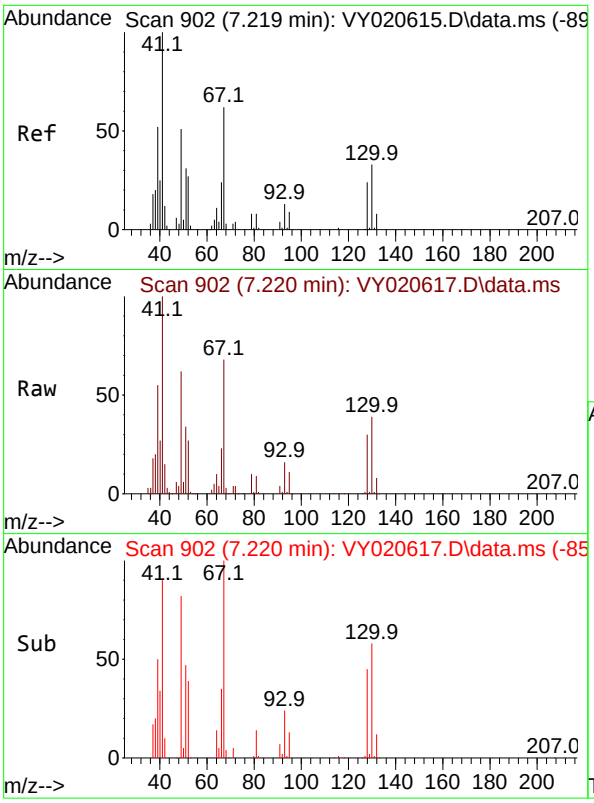


#40
Benzene
Concen: 136.402 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 78 Resp: 1431012

Ion	Ratio	Lower	Upper
78	100		
77	24.3	20.1	30.1



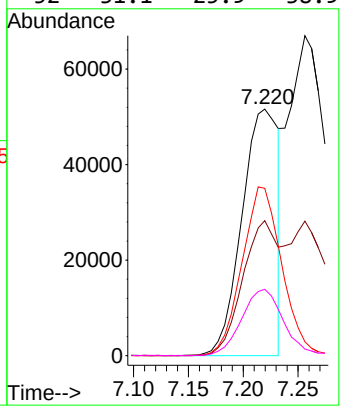


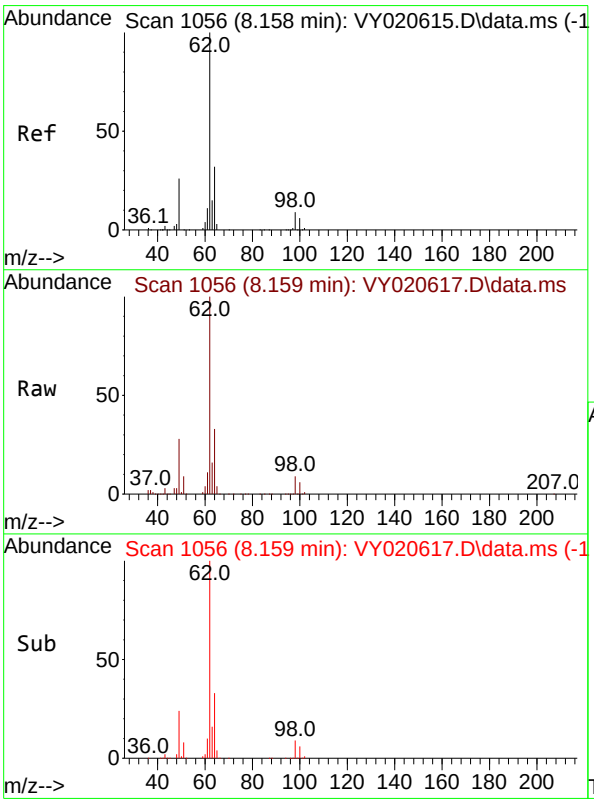
#41
Methacrylonitrile
Concen: 133.813 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 119101

Ion	Ratio	Lower	Upper
41	100		
39	59.0	53.6	80.4
67	75.3	62.0	93.0
52	31.1	25.9	38.9

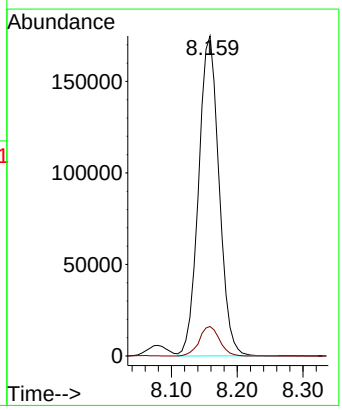


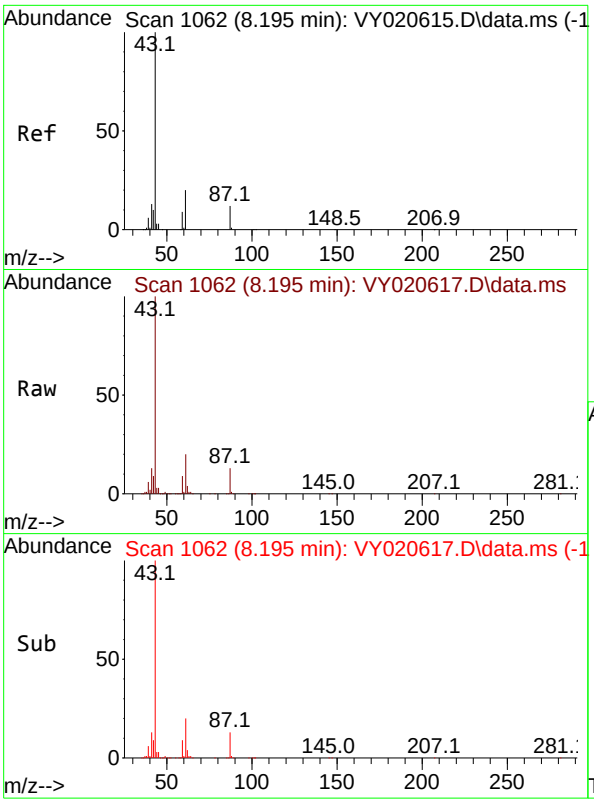


#42
1,2-Dichloroethane
Concen: 135.647 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 62 Resp: 377438

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.0



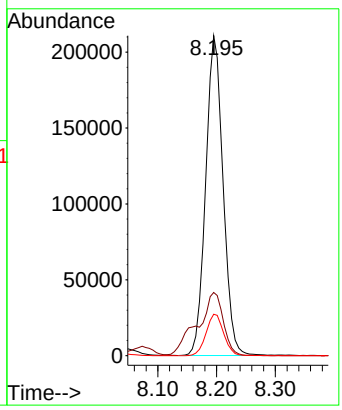


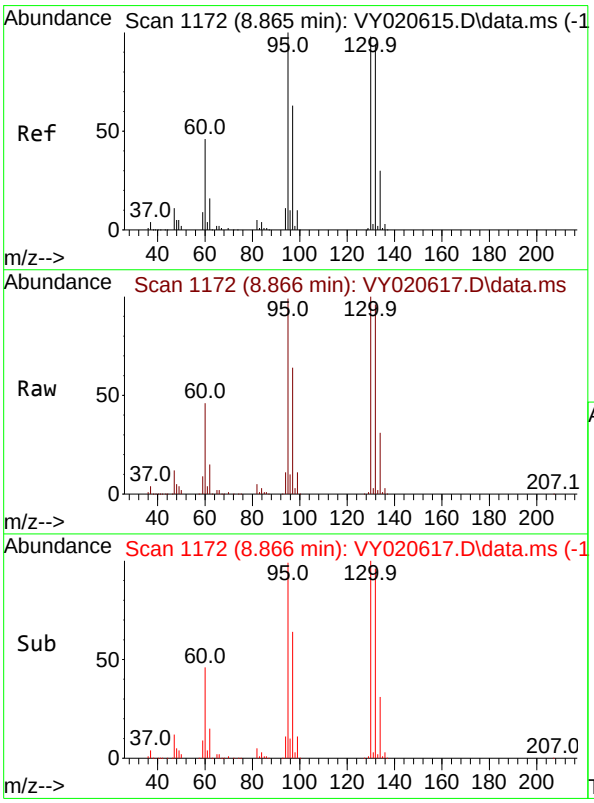
#43
Isopropyl Acetate
Concen: 135.916 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 433206

Ion	Ratio	Lower	Upper
43	100		
61	29.6	23.8	35.6
87	13.2	10.2	15.4

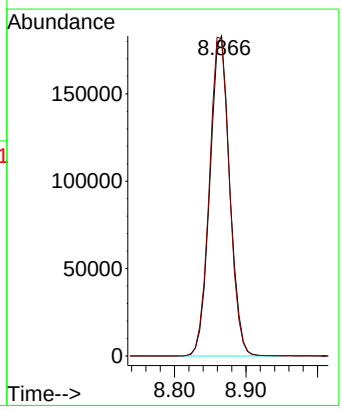


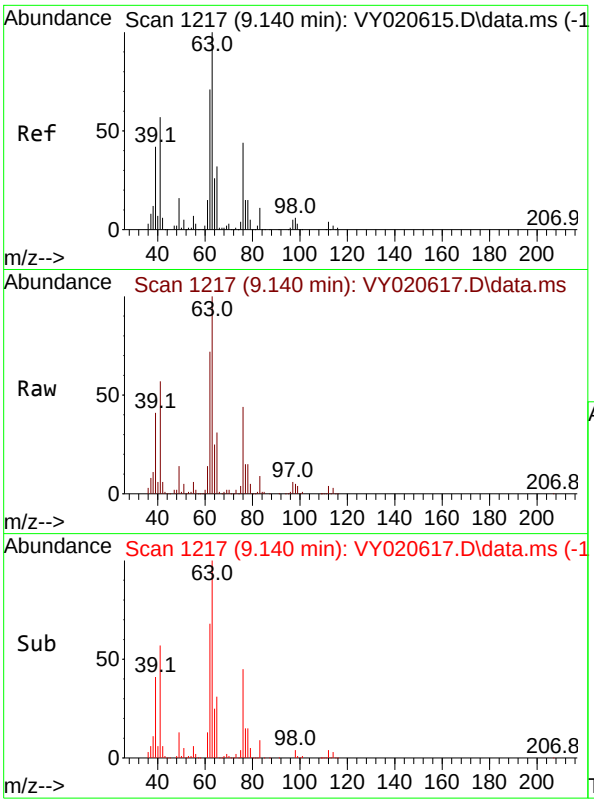


#44
Trichloroethene
Concen: 136.648 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:130 Resp: 352263

Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	203.2



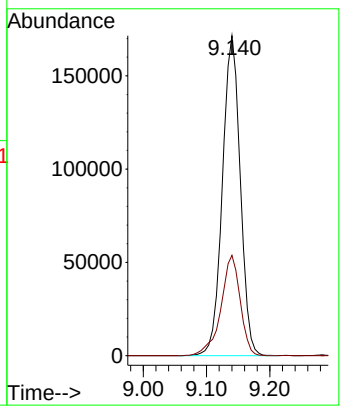


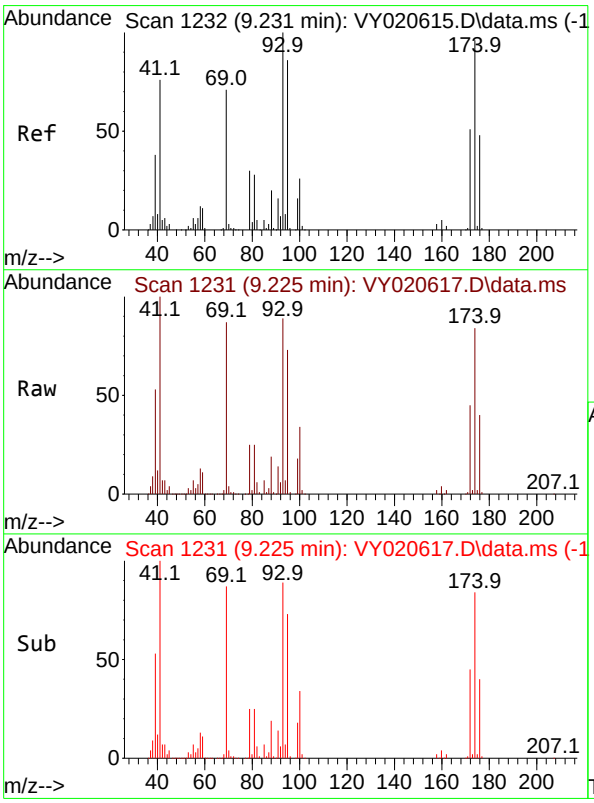
#45
1,2-Dichloropropane
Concen: 136.766 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 335340

Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.9	38.9

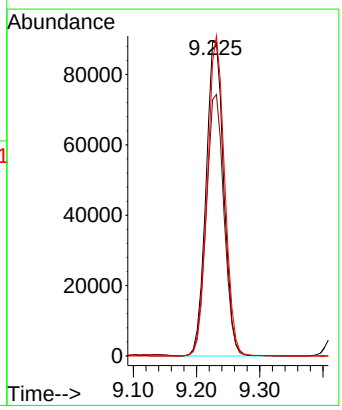


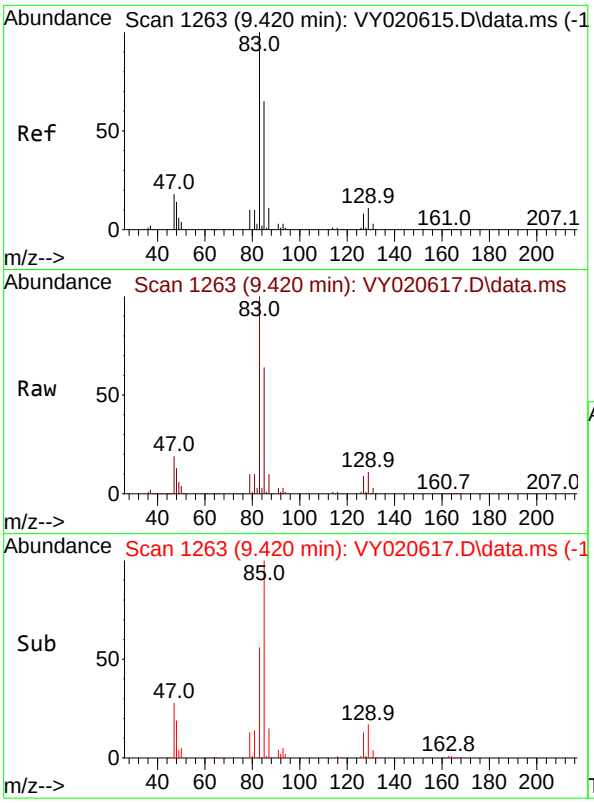


#46
Dibromomethane
Concen: 134.905 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 93 Resp: 174812

Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.7	100.1
174	98.5	77.8	116.6



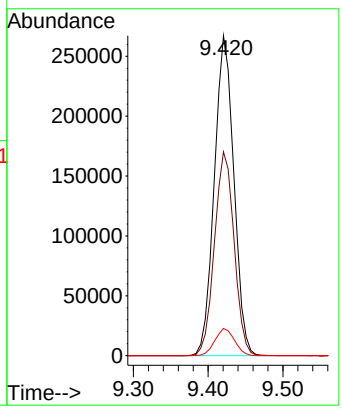


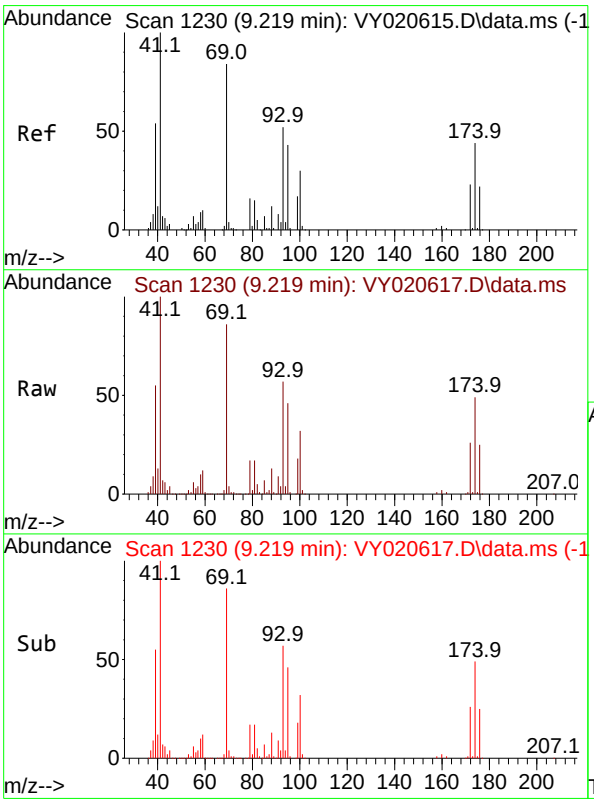
#47
Bromodichloromethane
Concen: 138.787 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 485795

Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.1	78.1
127	8.5	6.7	10.1

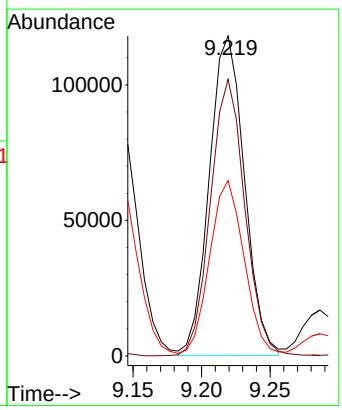


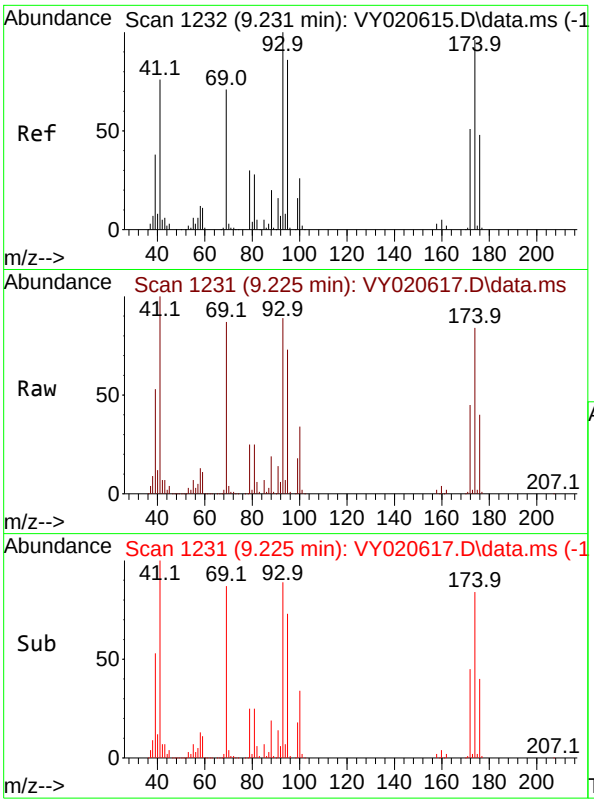


#48
Methyl methacrylate
Concen: 138.957 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 41 Resp: 210550

Ion	Ratio	Lower	Upper
41	100		
69	85.2	67.2	100.8
39	52.7	42.2	63.4



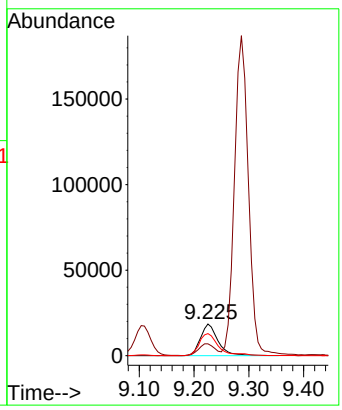


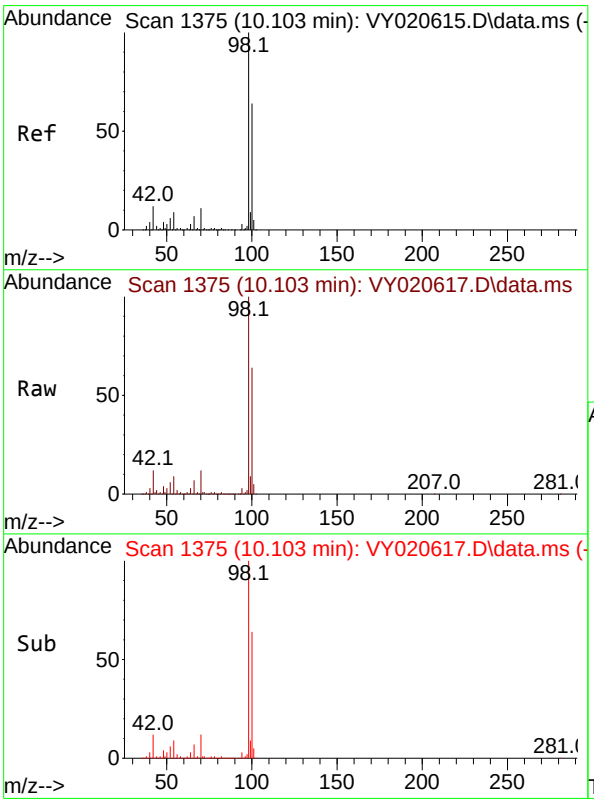
#49
1,4-Dioxane
Concen: 2773.834 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 41221

Ion	Ratio	Lower	Upper
88	100		
43	35.1	27.6	41.4
58	77.1	61.7	92.5

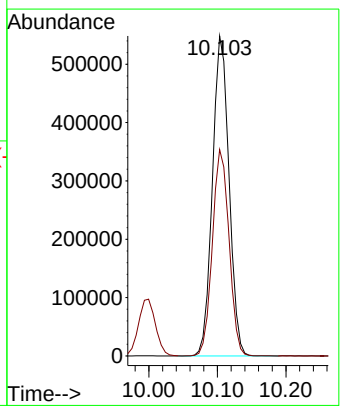


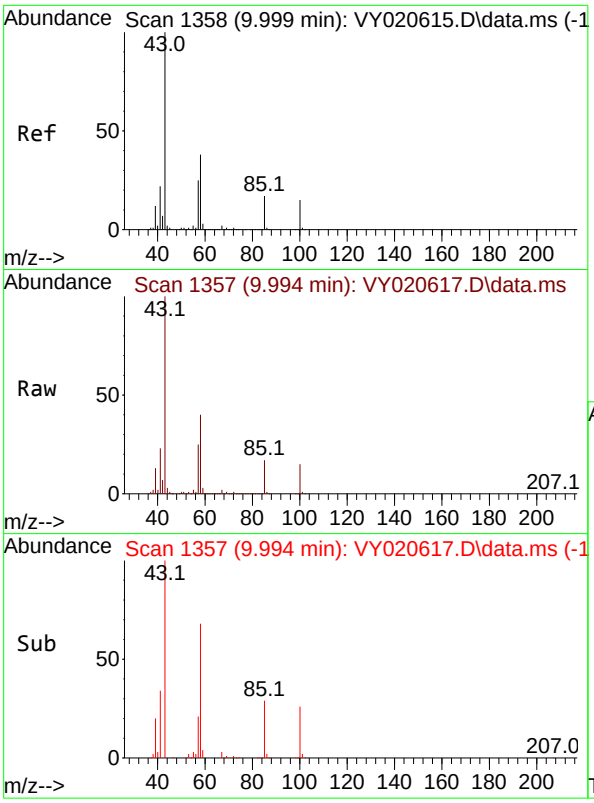


#50
Toluene-d8
Concen: 133.785 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 98 Resp: 919148

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1



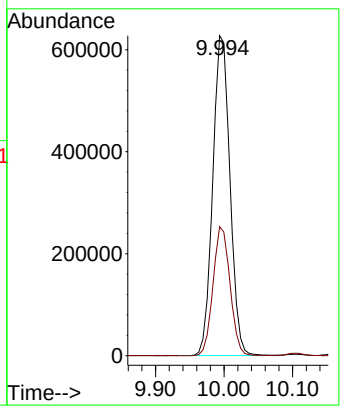


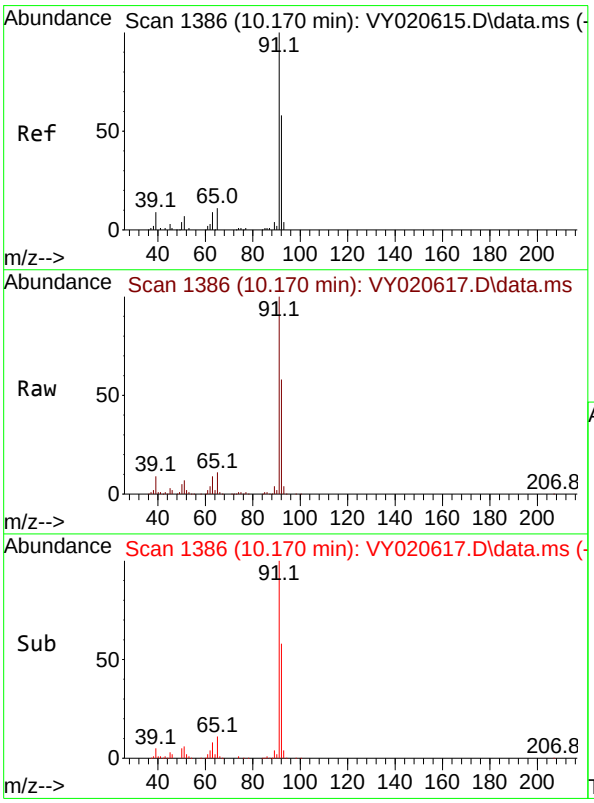
#51
4-Methyl-2-Pentanone
Concen: 649.161 ug/l
RT: 9.994 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1092140

Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.4	47.2

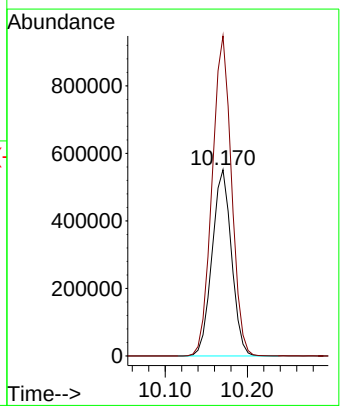


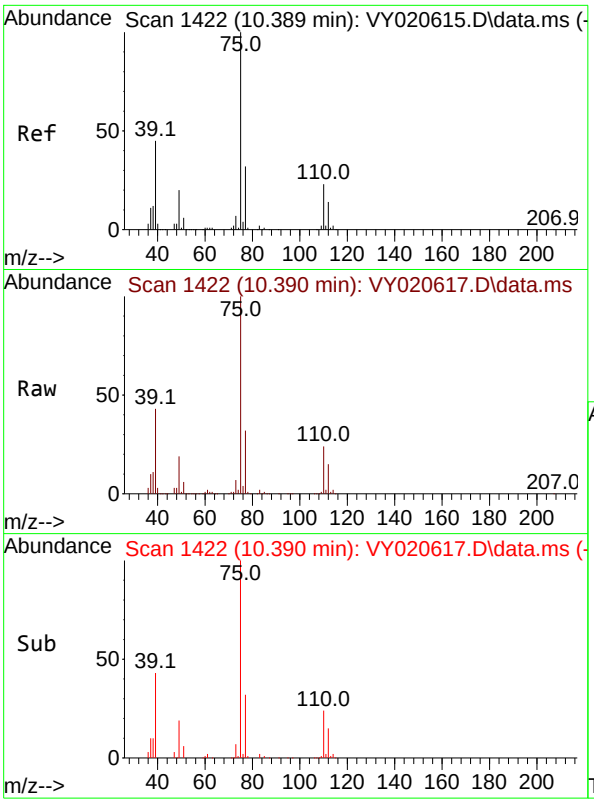


#52
Toluene
Concen: 138.659 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 92 Resp: 904033

Ion	Ratio	Lower	Upper
92	100		
91	171.6	137.4	206.0



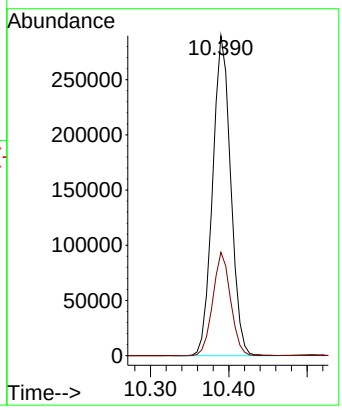


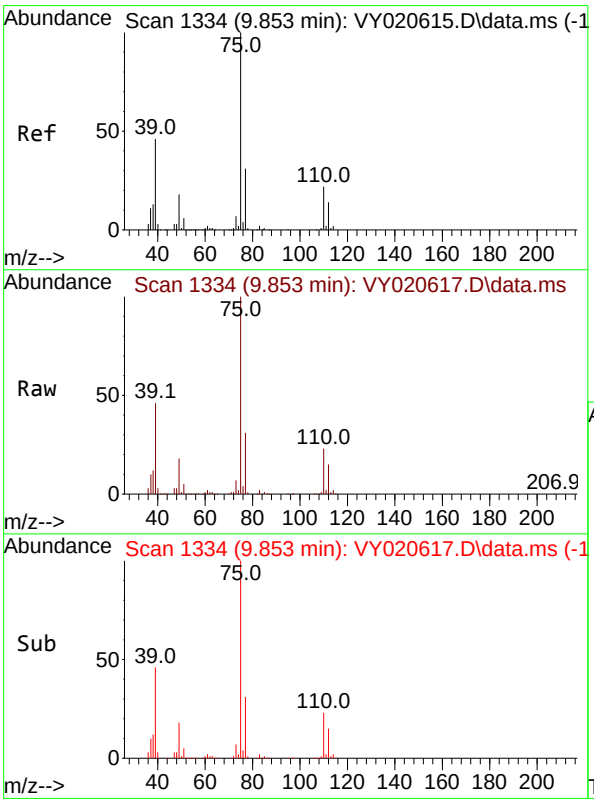
#53
t-1,3-Dichloropropene
Concen: 142.541 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 464905

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.2

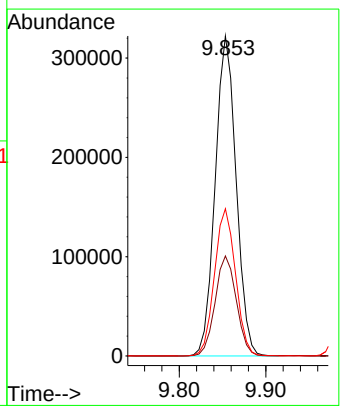


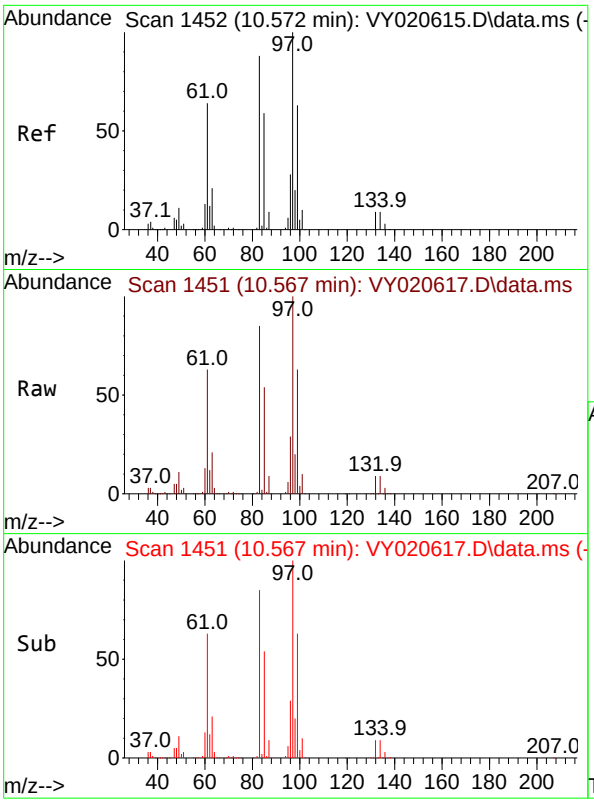


#54
cis-1,3-Dichloropropene
Concen: 139.760 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 75 Resp: 540157

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.6	36.8
39	46.0	36.4	54.6



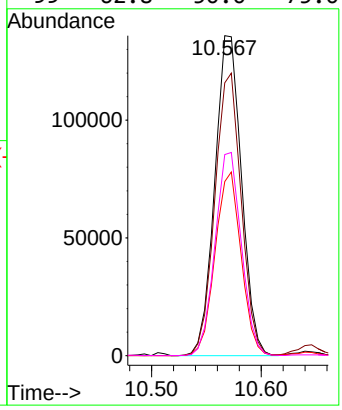


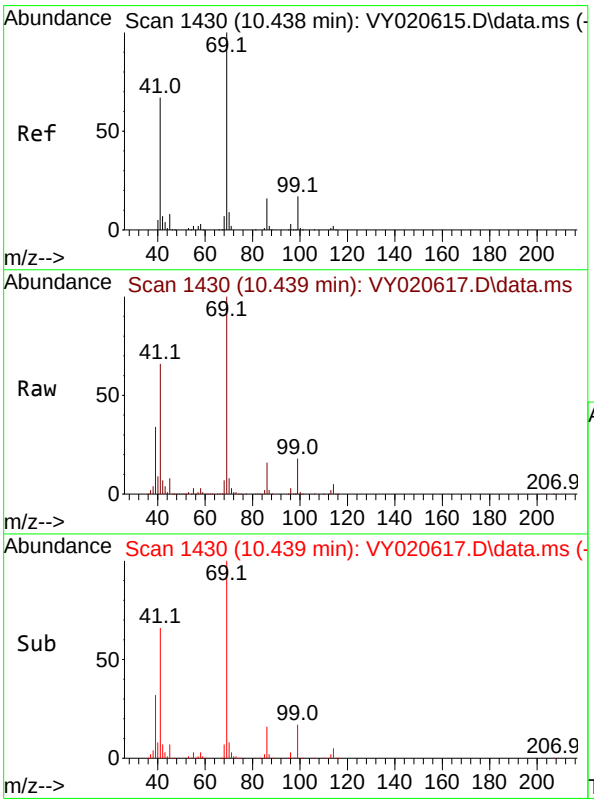
#55
1,1,2-Trichloroethane
Concen: 134.466 ug/l
RT: 10.567 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 230372

Ion	Ratio	Lower	Upper
97	100		
83	85.3	70.4	105.6
85	54.4	47.2	70.8
99	62.8	50.0	75.0

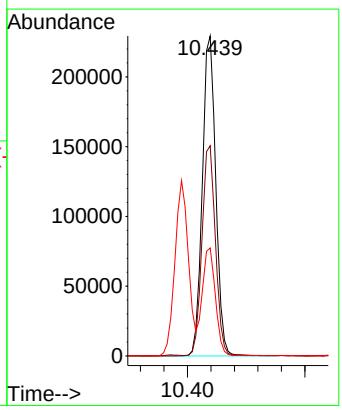


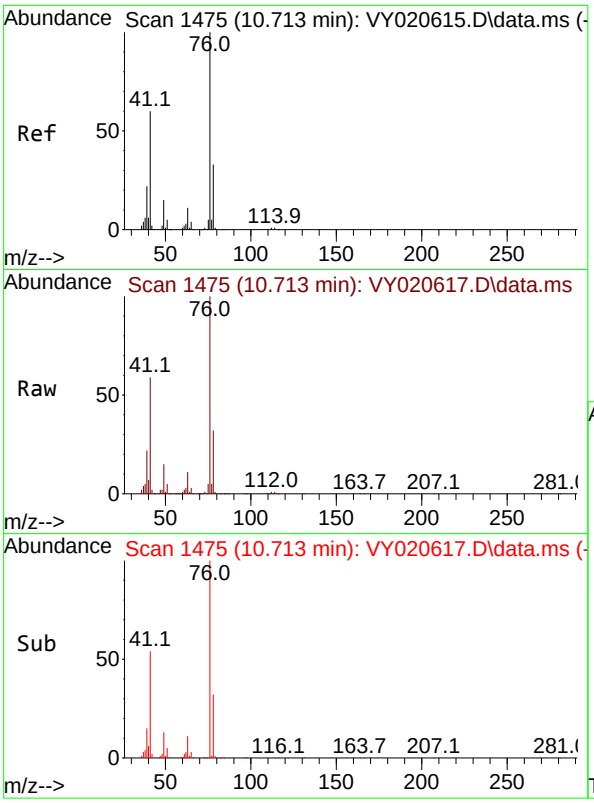


#56
Ethyl methacrylate
Concen: 146.095 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 69 Resp: 363115

Ion	Ratio	Lower	Upper
69	100		
41	65.9	54.0	81.0
39	33.3	27.9	41.9



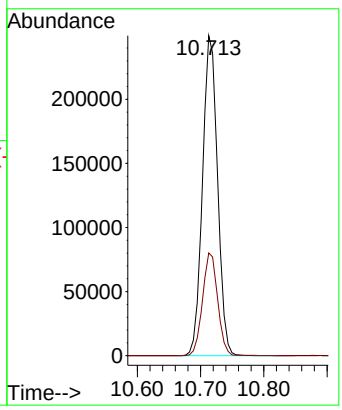


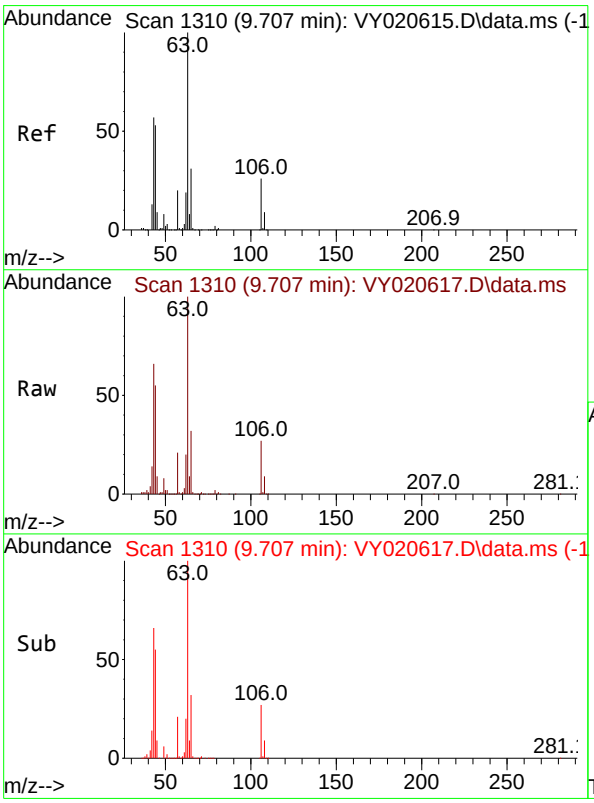
#57
1,3-Dichloropropane
Concen: 135.406 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 413542

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.8

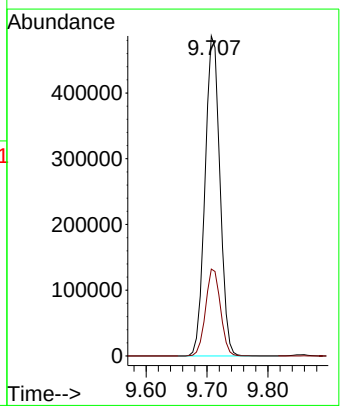


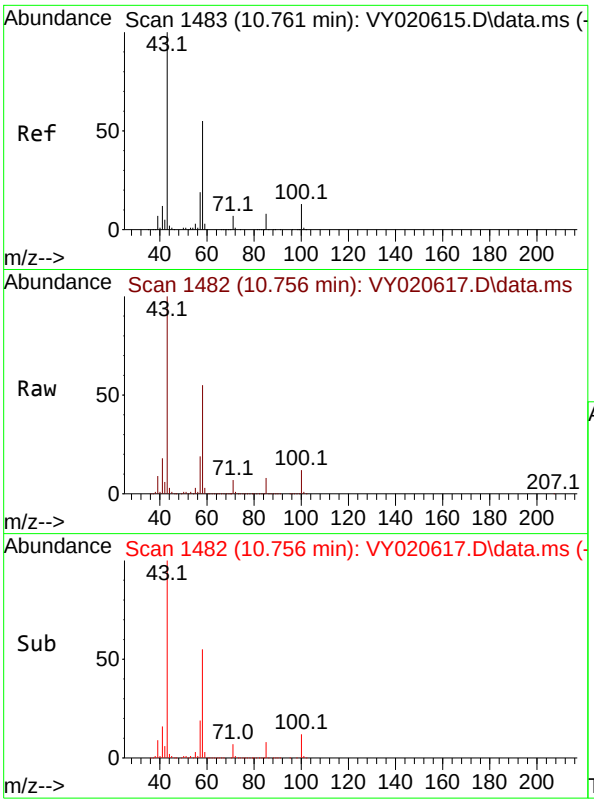


#58
2-Chloroethyl Vinyl ether
Concen: 790.569 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 63 Resp: 826777

Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.5	32.3



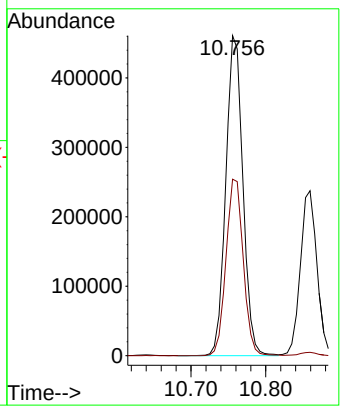


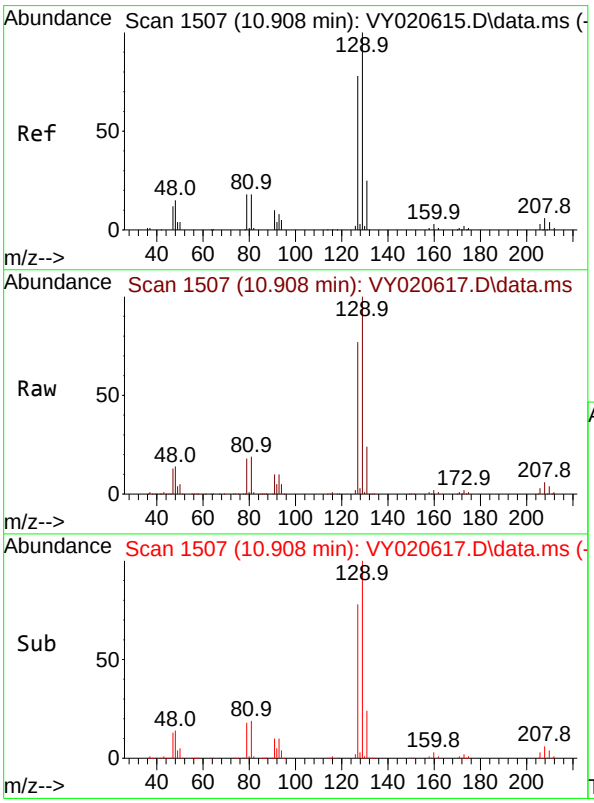
#59
2-Hexanone
Concen: 677.527 ug/l
RT: 10.756 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 731842

Ion	Ratio	Lower	Upper
43	100		
58	55.9	27.2	81.6

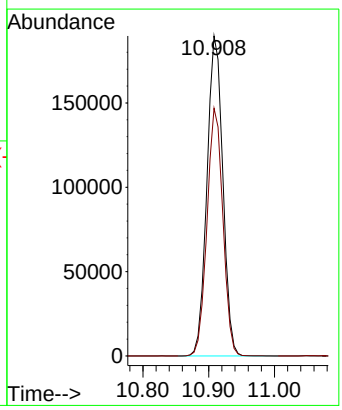


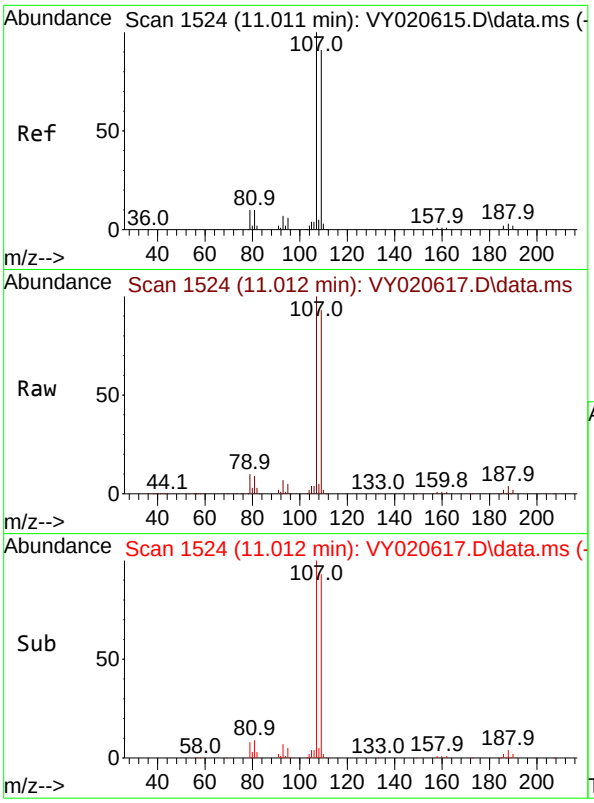


#60
Dibromochloromethane
Concen: 138.906 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:129 Resp: 318266

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.1	114.3



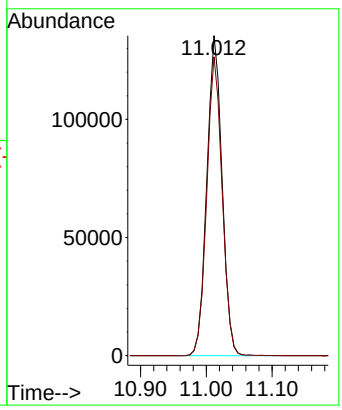


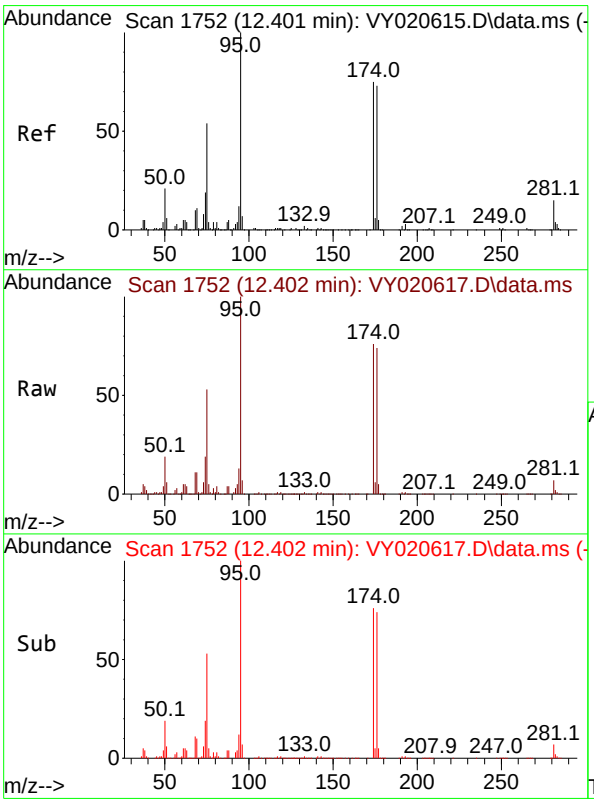
#61
1,2-Dibromoethane
Concen: 137.043 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 218394

Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.2

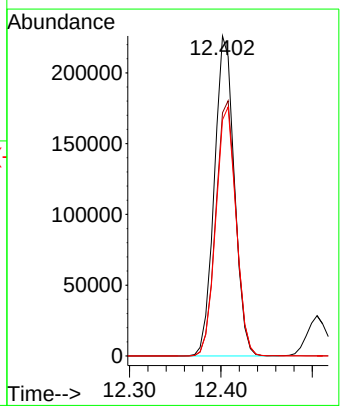


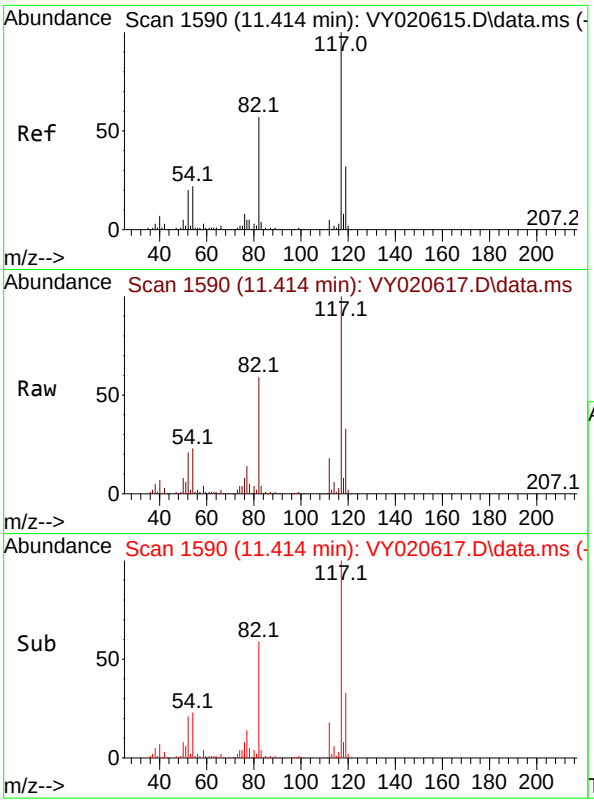


#62
4-Bromofluorobenzene
Concen: 127.965 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 95 Resp: 343903

Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	161.8
176	78.9	0.0	156.6



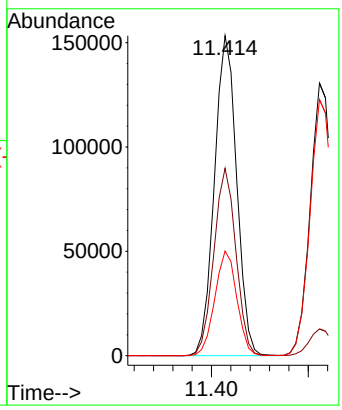


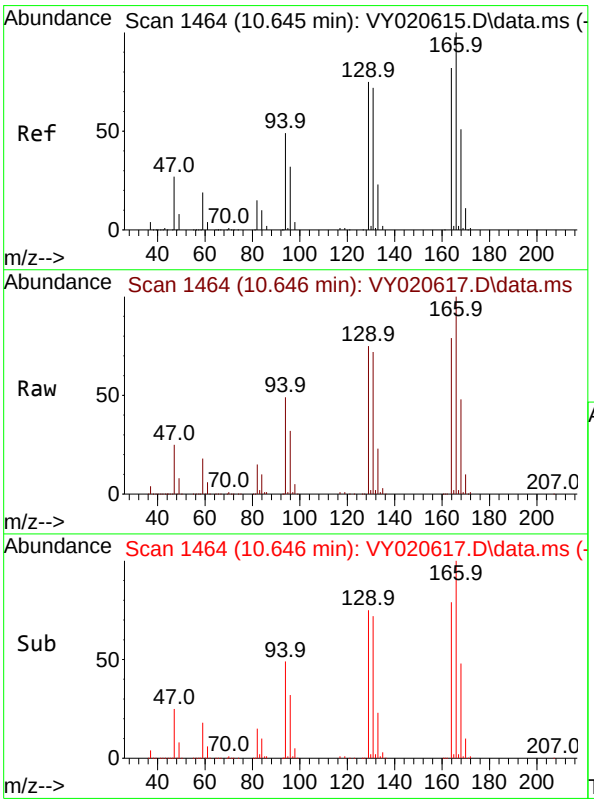
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 244385

Ion	Ratio	Lower	Upper
117	100		
82	58.6	45.8	68.6
119	32.7	25.3	37.9

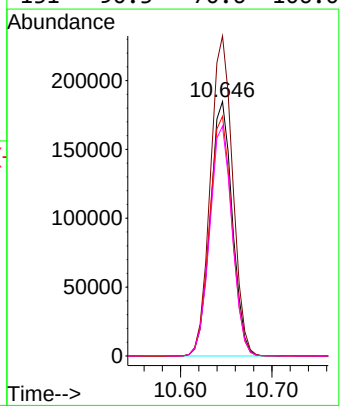


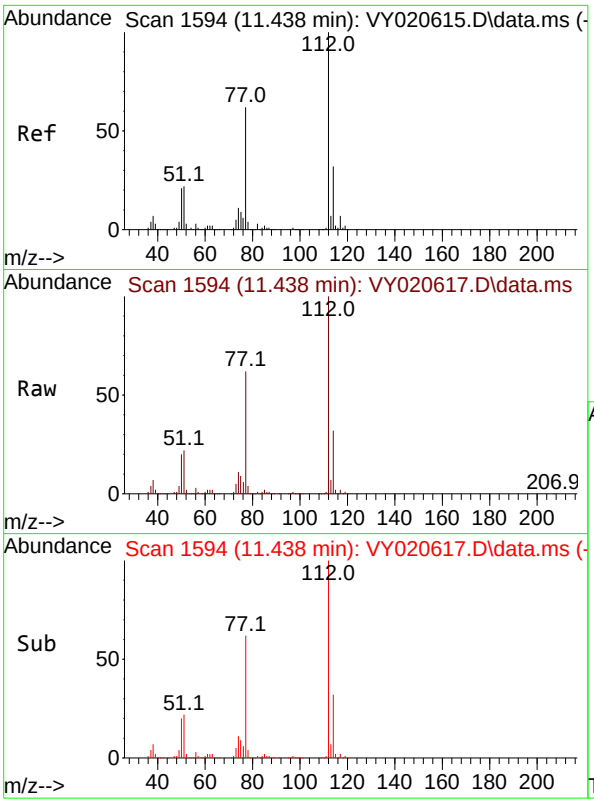


#64
Tetrachloroethene
Concen: 134.678 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:164 Resp: 309587

Ion	Ratio	Lower	Upper
164	100		
166	125.8	97.9	146.9
129	94.2	73.4	110.0
131	90.3	70.6	106.0



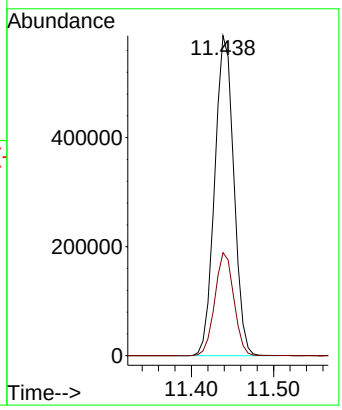


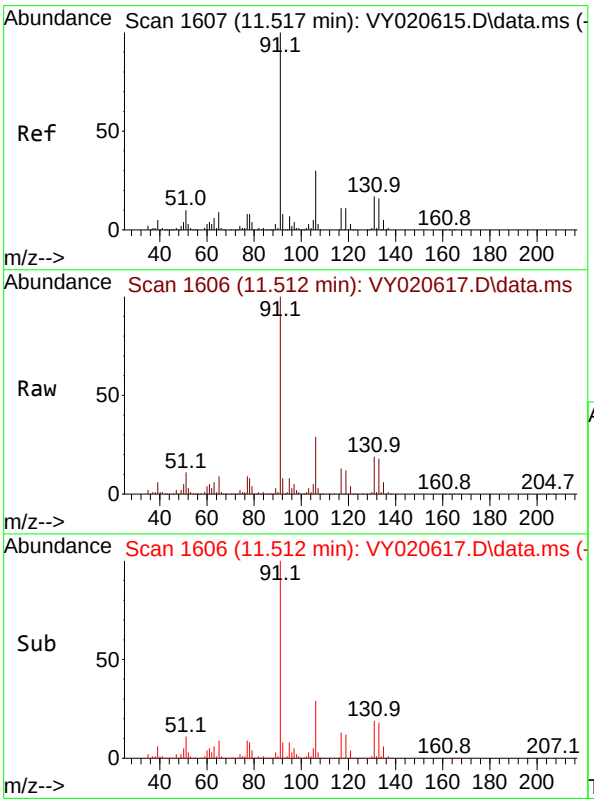
#65
Chlorobenzene
Concen: 138.742 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 948051

Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.0	39.0

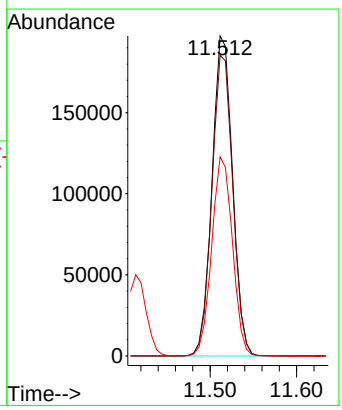


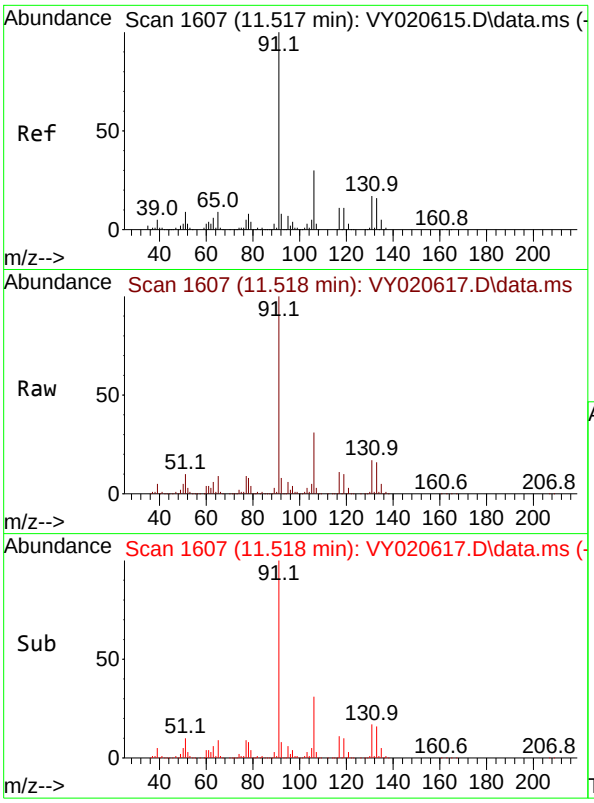


#66
1,1,1,2-Tetrachloroethane
Concen: 138.995 ug/l
RT: 11.512 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:131 Resp: 324778

Ion	Ratio	Lower	Upper
131	100		
133	95.6	46.8	140.3
119	62.8	31.8	95.3



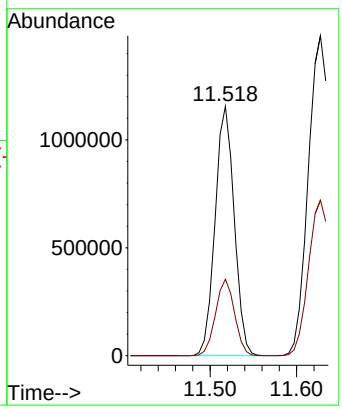


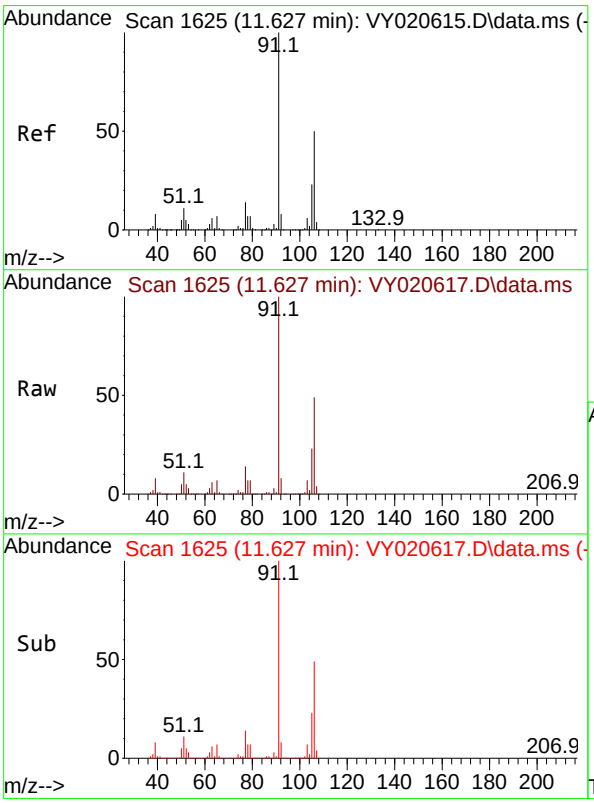
#67
Ethyl Benzene
Concen: 140.410 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1770086

Ion	Ratio	Lower	Upper
91	100		
106	30.7	23.9	35.9

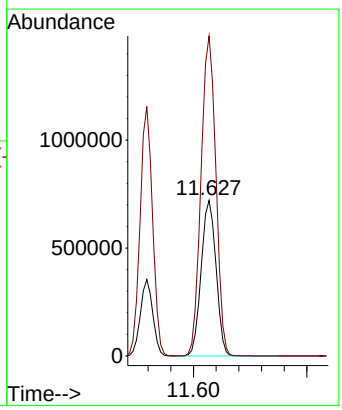


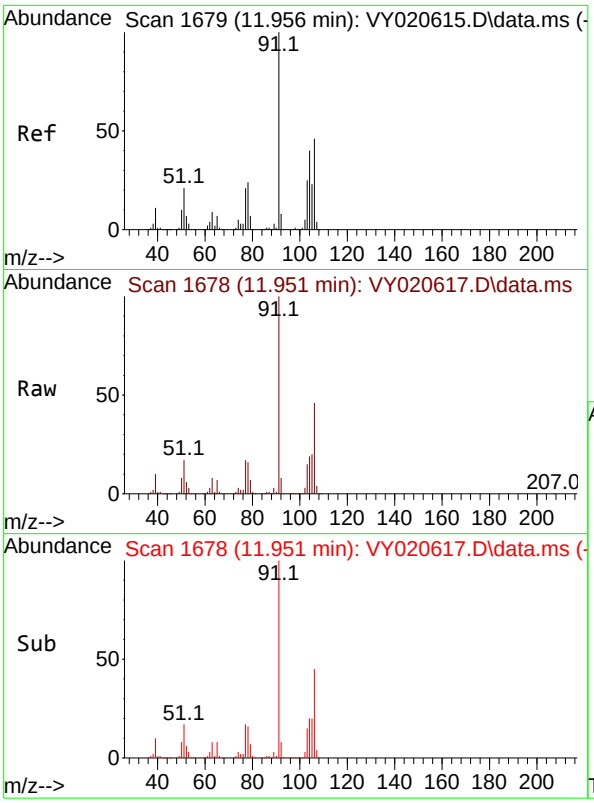


#68
m/p-Xylenes
Concen: 279.114 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:106 Resp: 1308282

Ion	Ratio	Lower	Upper
106	100		
91	206.1	165.0	247.4



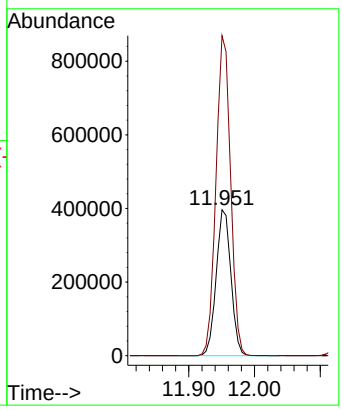


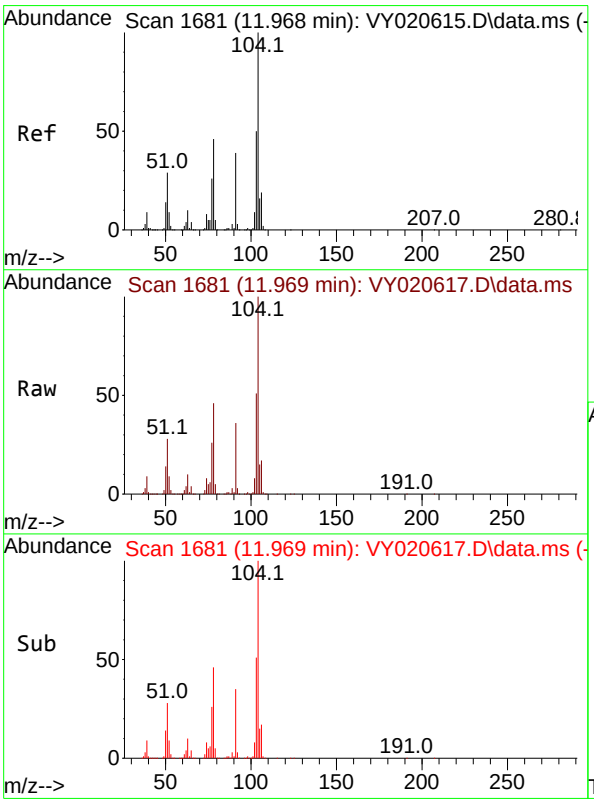
#69
o-Xylene
Concen: 141.099 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 617079

Ion	Ratio	Lower	Upper
106	100		
91	217.7	108.4	325.2

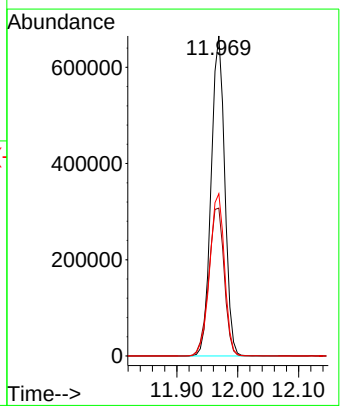


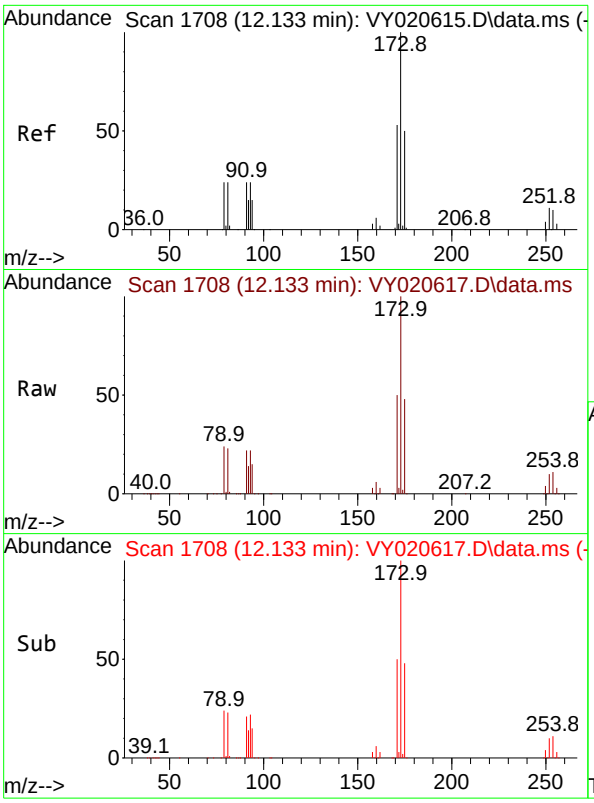


#70
Styrene
Concen: 141.122 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:104 Resp: 1031166

Ion	Ratio	Lower	Upper
104	100		
78	52.6	41.6	62.4
103	55.3	43.7	65.5



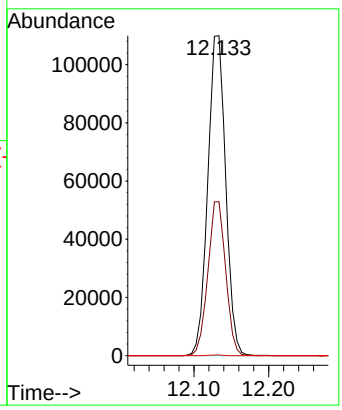


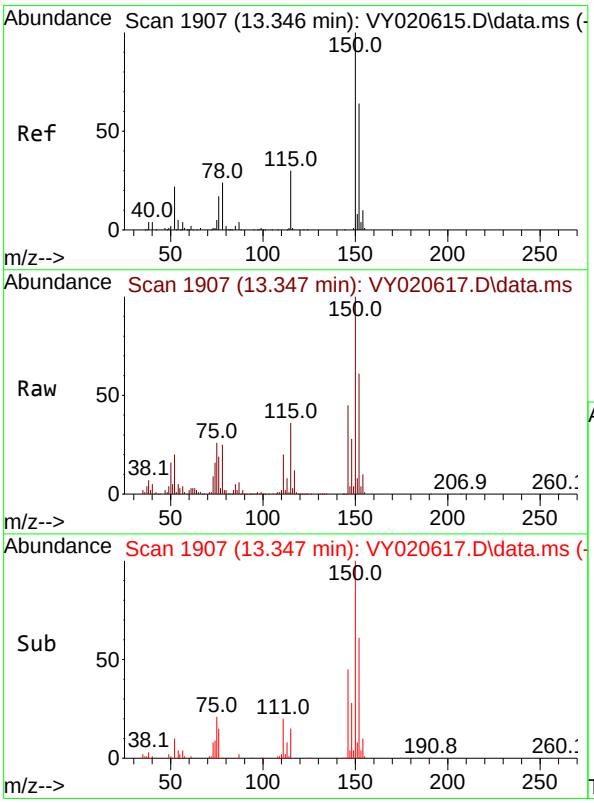
#71
Bromoform
Concen: 139.463 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 183216

Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.6	74.0
254	0.2	0.0	0.0#

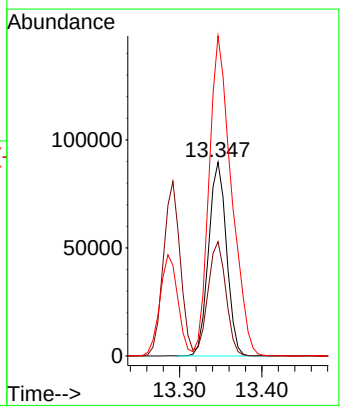


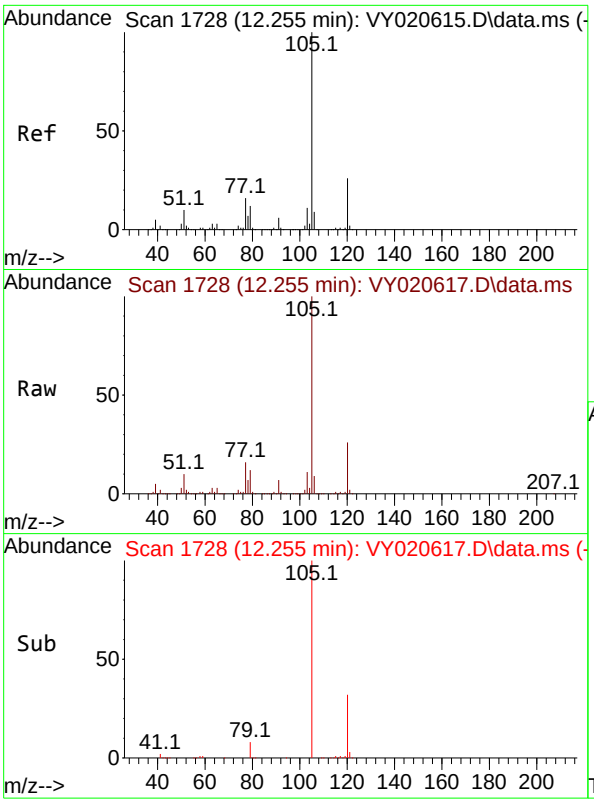


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:152 Resp: 135852

Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.2	90.6
150	205.6	0.0	355.4



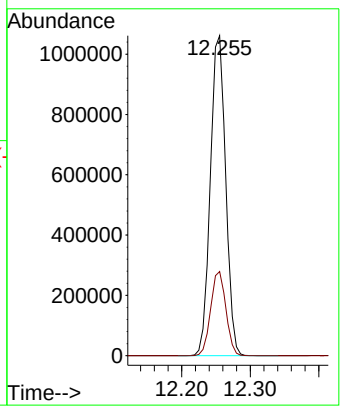


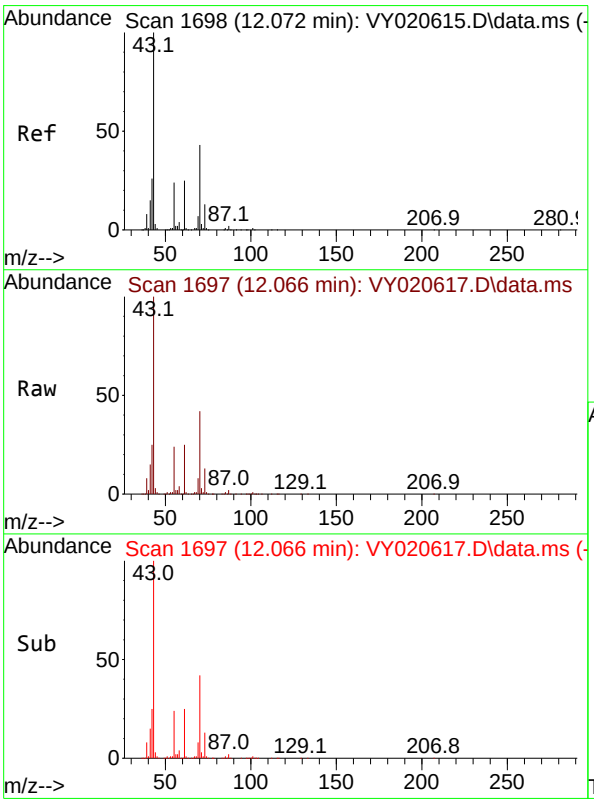
#73
Isopropylbenzene
Concen: 139.276 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1651138

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.1	39.1

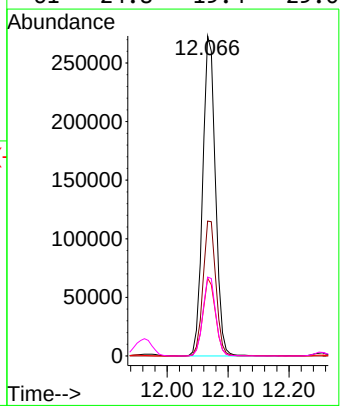


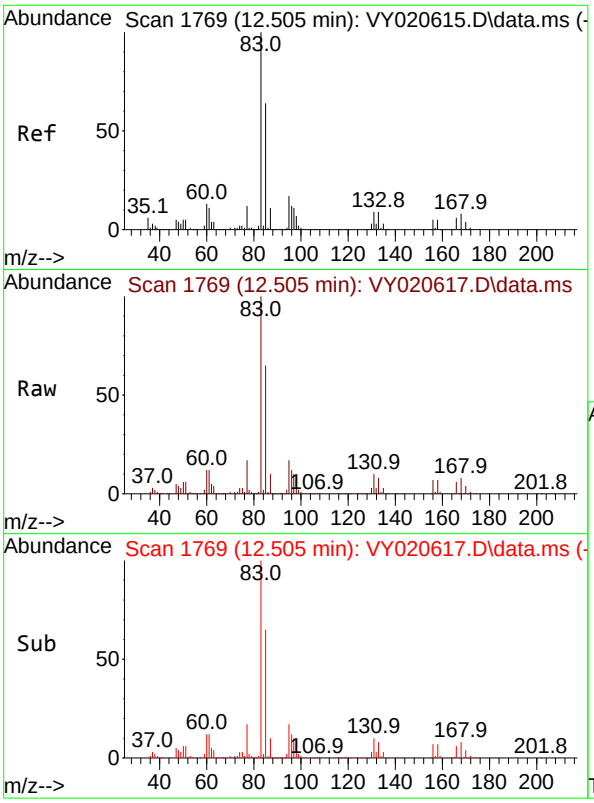


#74
N-amyl acetate
Concen: 142.807 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 43 Resp: 396216

Ion	Ratio	Lower	Upper
43	100		
70	42.7	34.2	51.2
55	24.0	19.6	29.4
61	24.8	19.4	29.0



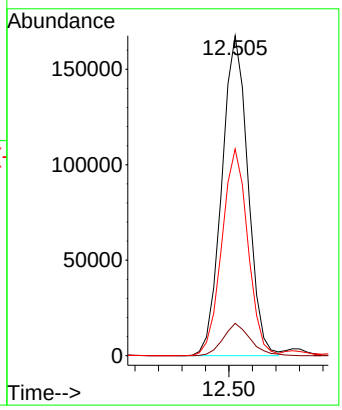


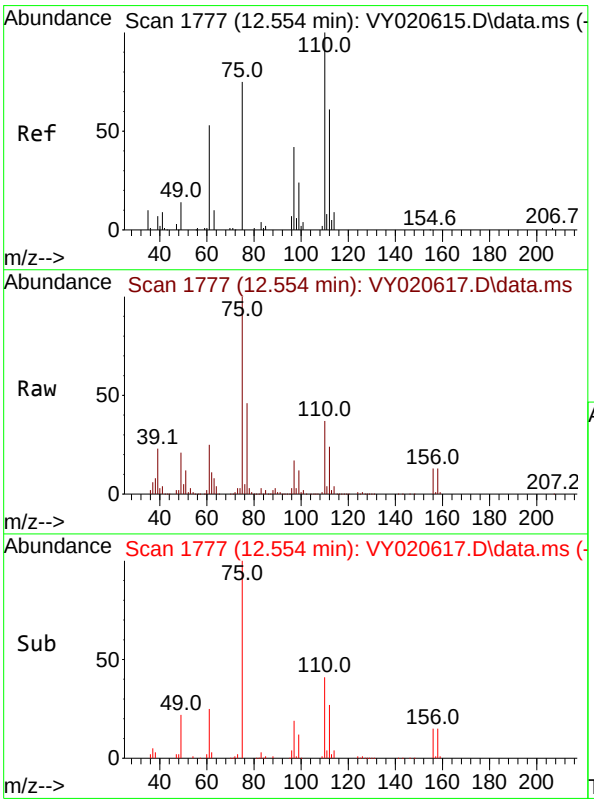
#75
1,1,2,2-Tetrachloroethane
Concen: 134.480 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 258787

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	64.3	32.5	97.4

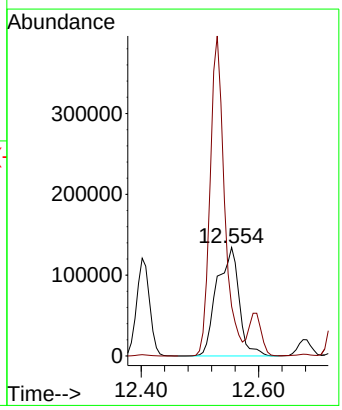


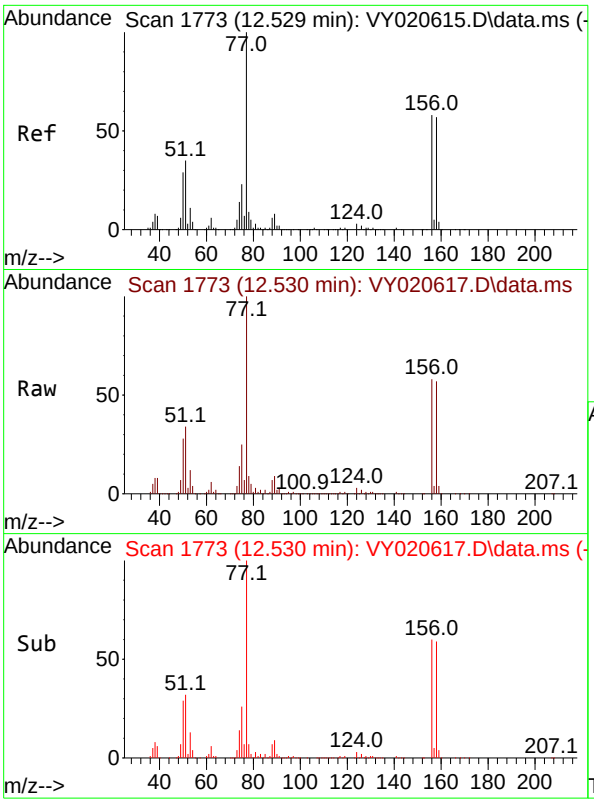


#76
1,2,3-Trichloropropane
Concen: 251.196 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 75 Resp: 351473

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



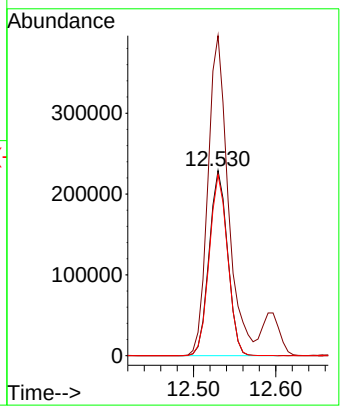


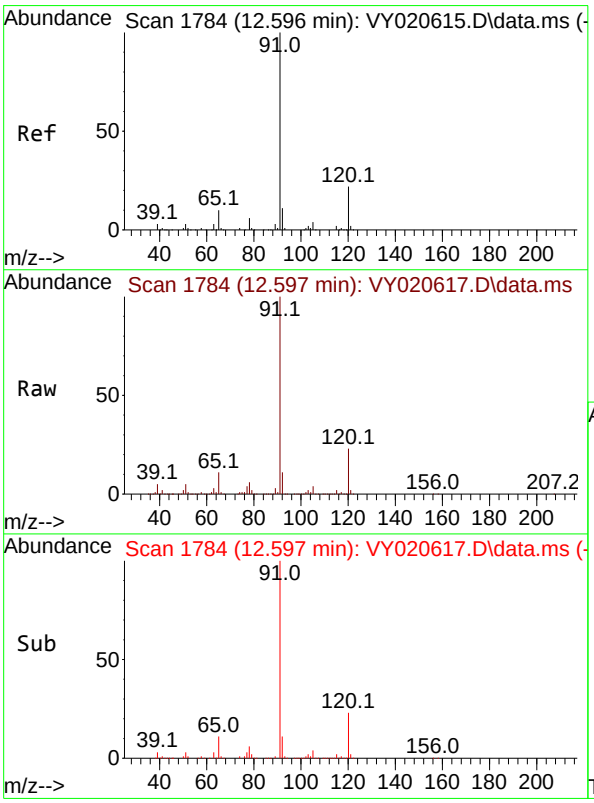
#77
Bromobenzene
Concen: 138.423 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 357464

Ion	Ratio	Lower	Upper
156	100		
77	189.2	94.2	282.4
158	97.4	48.9	146.6

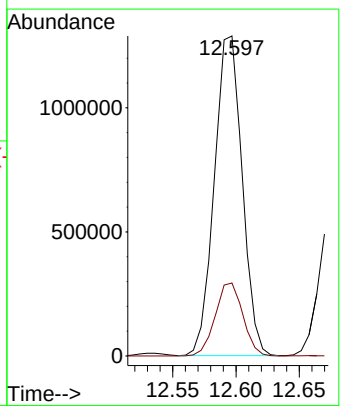


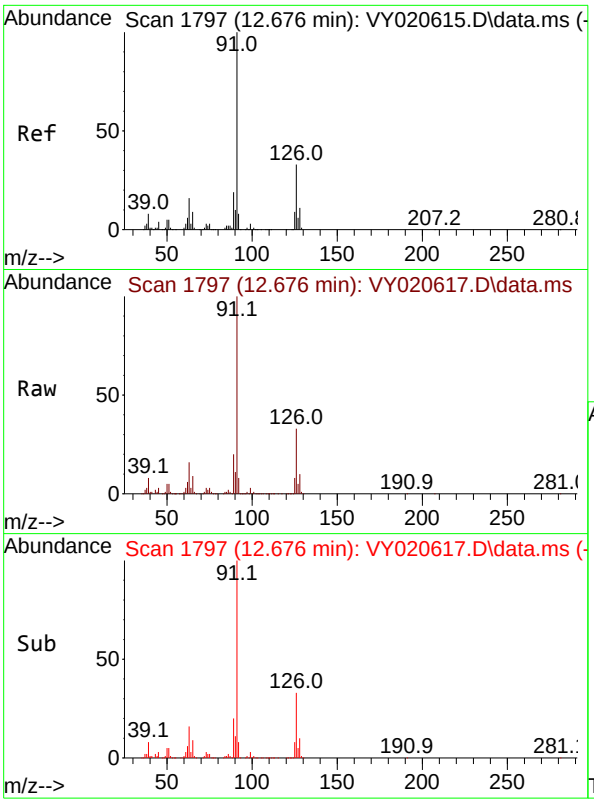


#78
n-propylbenzene
Concen: 138.026 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 91 Resp: 1971458

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.1	33.1



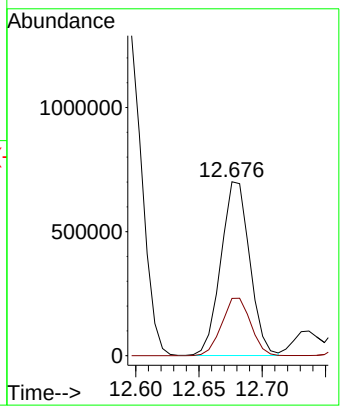


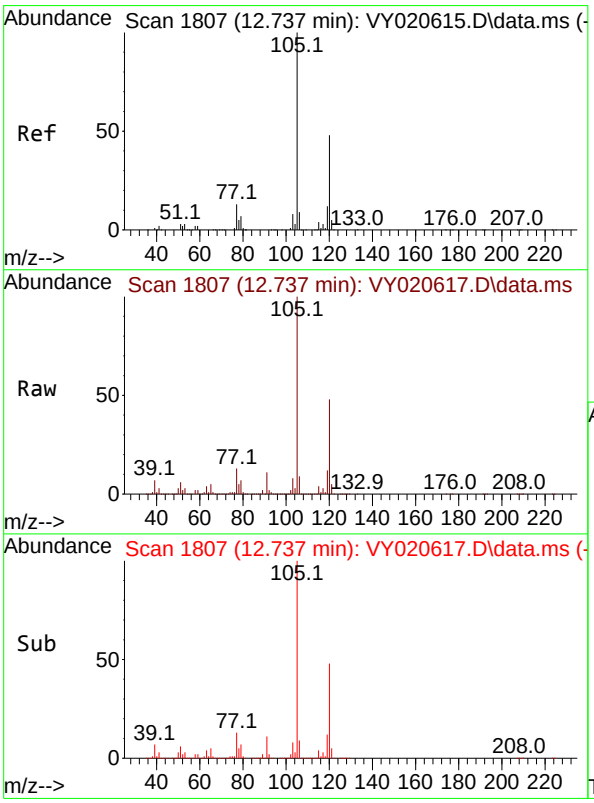
#79
2-Chlorotoluene
Concen: 138.298 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1111362

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.6	49.7

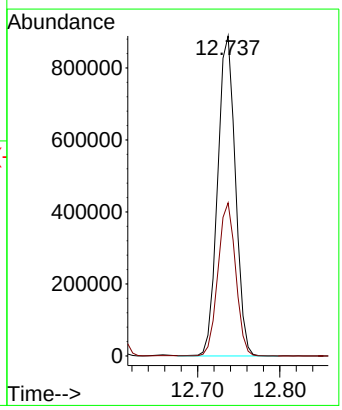


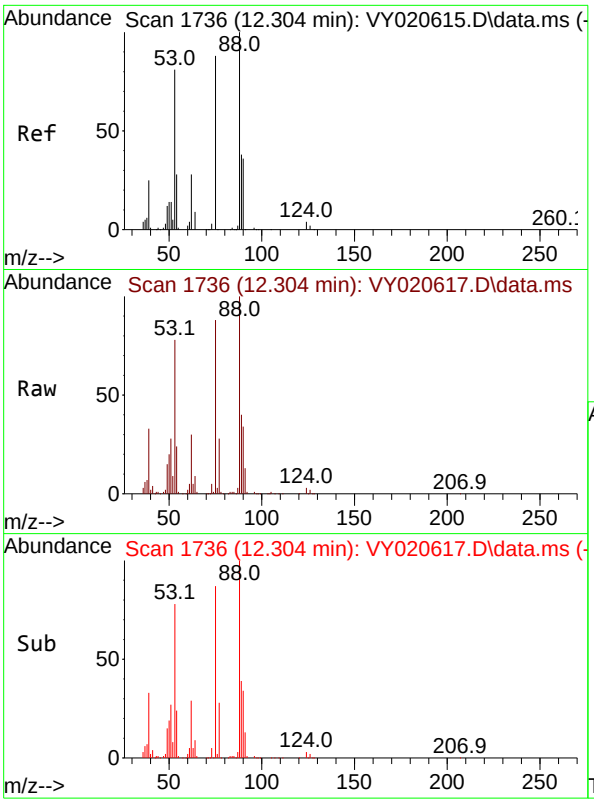


#80
1,3,5-Trimethylbenzene
Concen: 138.553 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:105 Resp: 1332805

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.9	71.7



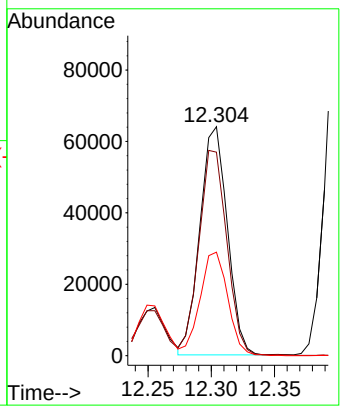


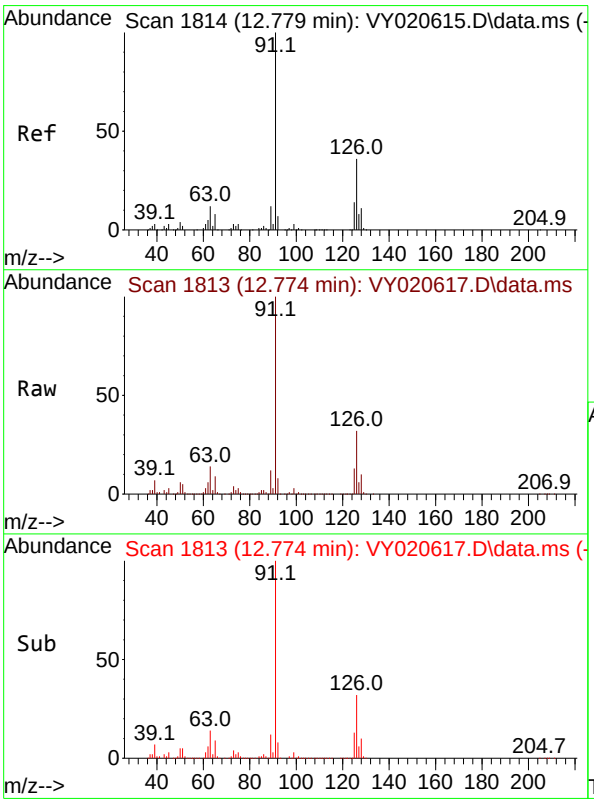
#81
trans-1,4-Dichloro-2-butene
Concen: 143.899 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 96747

Ion	Ratio	Lower	Upper
75	100		
53	91.7	75.4	113.2
89	46.1	37.0	55.4

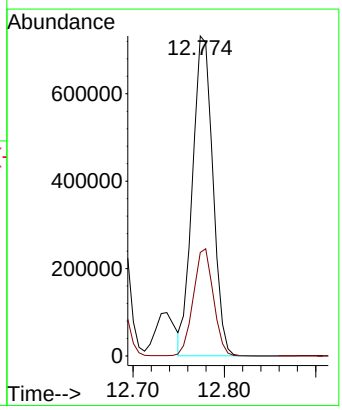


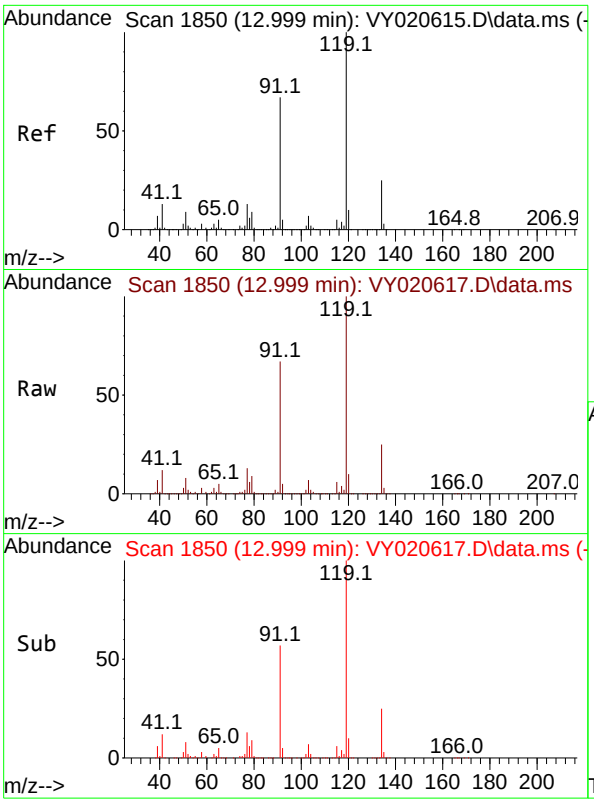


#82
4-Chlorotoluene
Concen: 136.190 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 91 Resp: 1135416

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.6	49.7



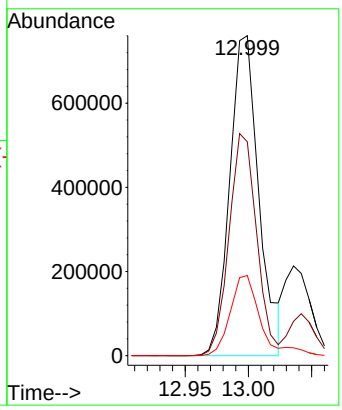


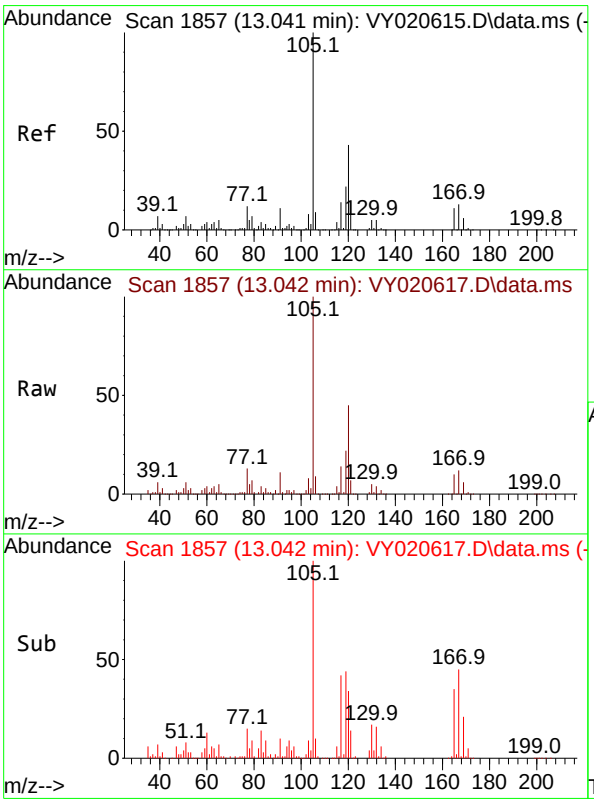
#83
tert-Butylbenzene
Concen: 139.985 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 1219521

Ion	Ratio	Lower	Upper
119	100		
91	65.8	32.9	98.6
134	26.0	13.1	39.1

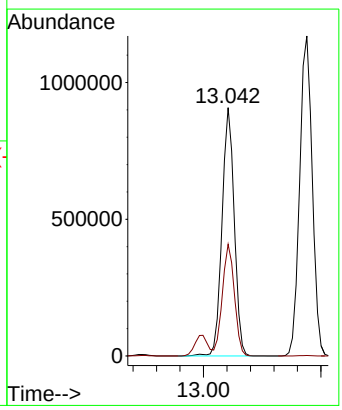


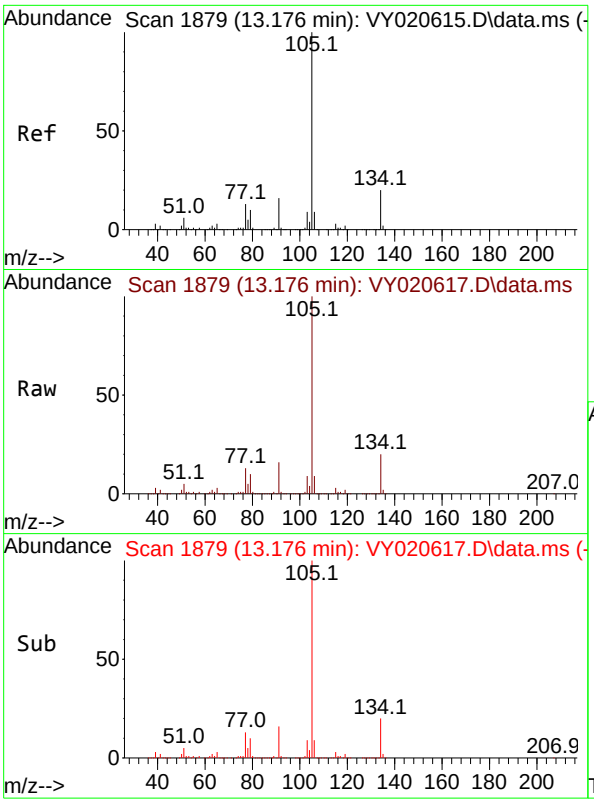


#84
1,2,4-Trimethylbenzene
Concen: 139.253 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:105 Resp: 1313945

Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.8	65.4



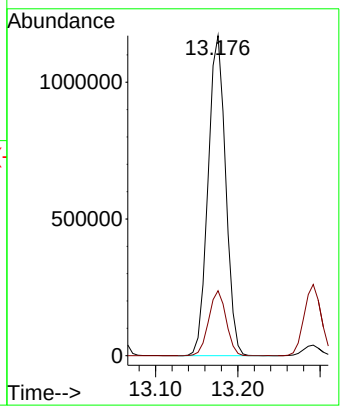


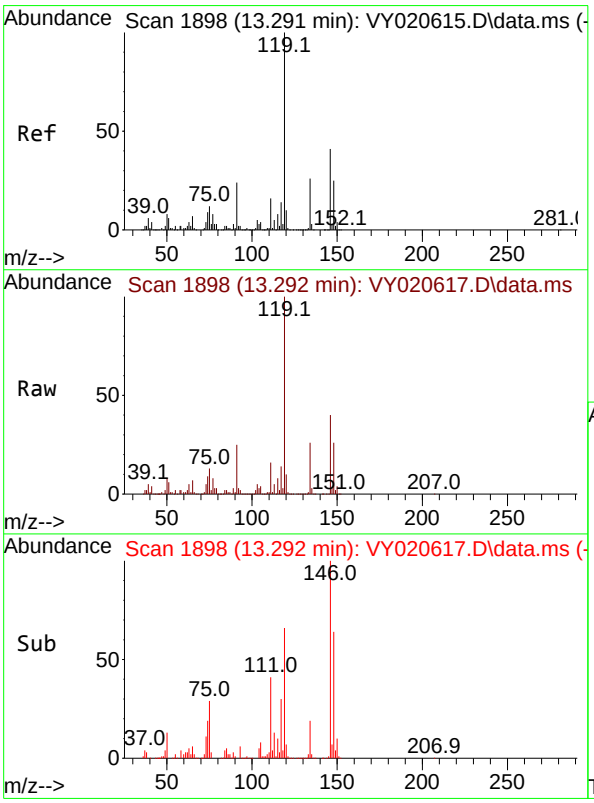
#85
sec-Butylbenzene
Concen: 137.147 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1737212

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0

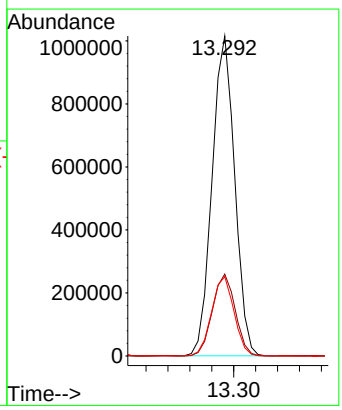


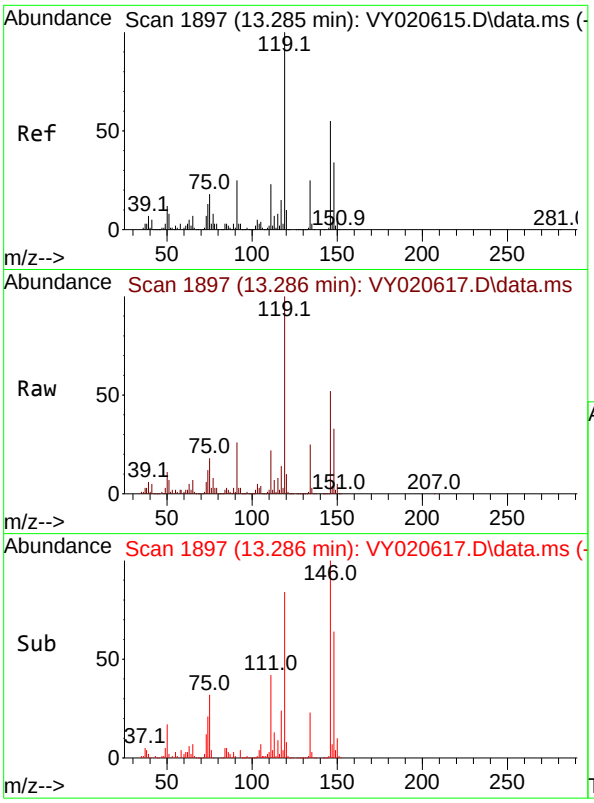


#86
p-Isopropyltoluene
Concen: 139.472 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:119 Resp: 1456581

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.9	38.6
91	24.5	12.1	36.3



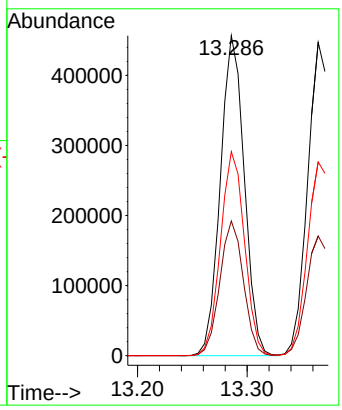


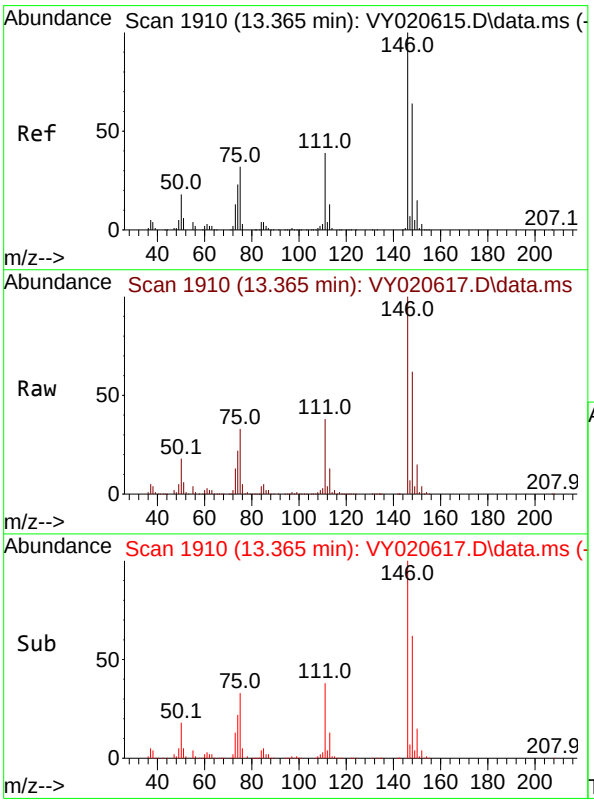
#87
1,3-Dichlorobenzene
Concen: 136.109 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 693843

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.6	61.8
148	63.9	31.4	94.0

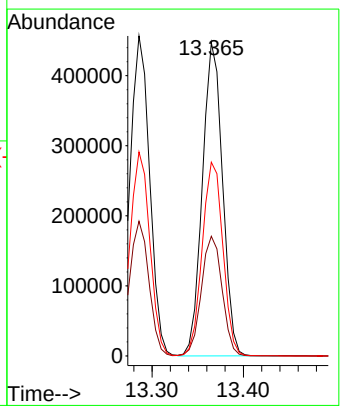


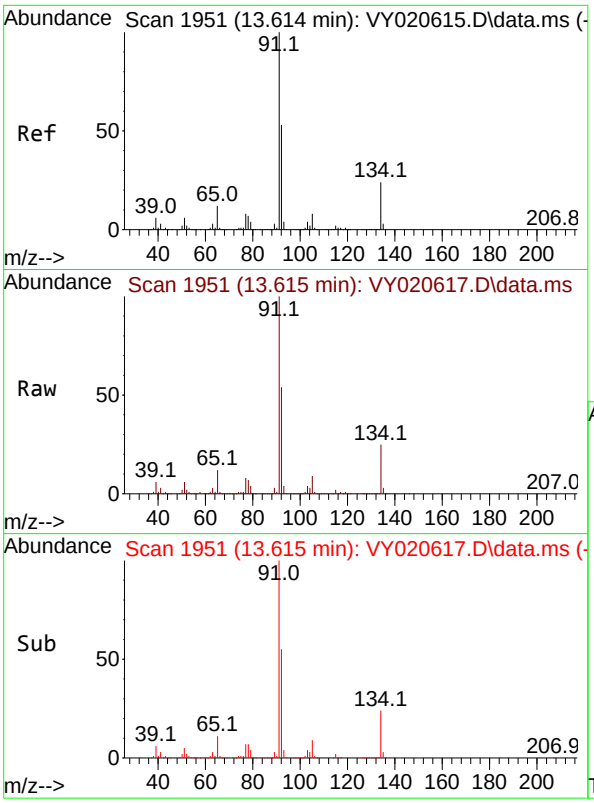


#88
1,4-Dichlorobenzene
Concen: 135.587 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:146 Resp: 684559

Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.7
148	63.5	31.9	95.5



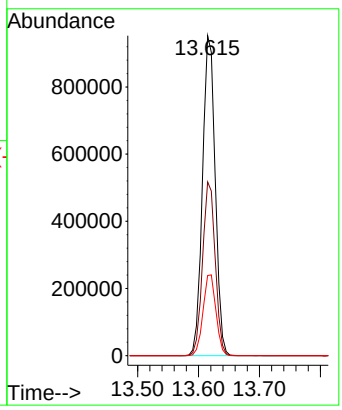


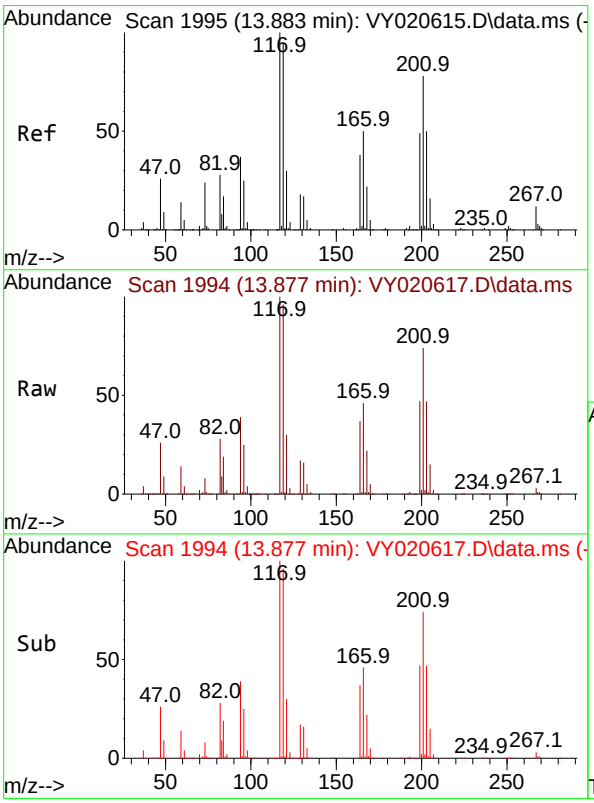
#89
n-Butylbenzene
Concen: 139.722 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1382912

Ion	Ratio	Lower	Upper
91	100		
92	54.1	26.8	80.4
134	25.7	12.5	37.5

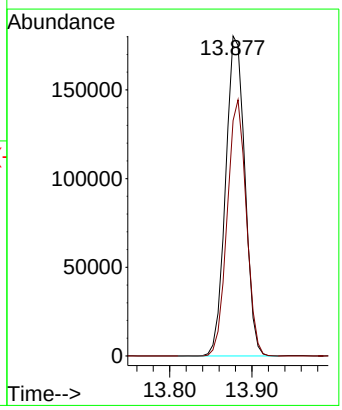


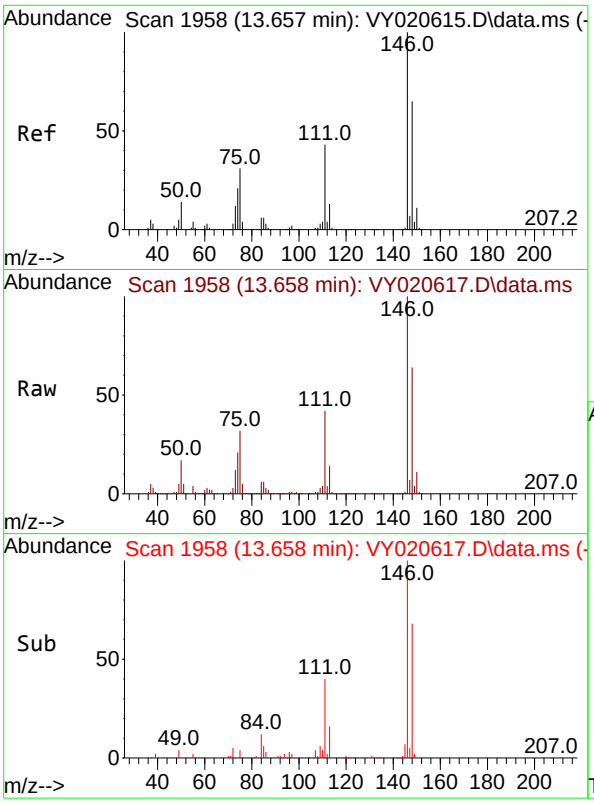


#90
Hexachloroethane
Concen: 141.843 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:117 Resp: 293562

Ion	Ratio	Lower	Upper
117	100		
201	79.1	39.1	117.3



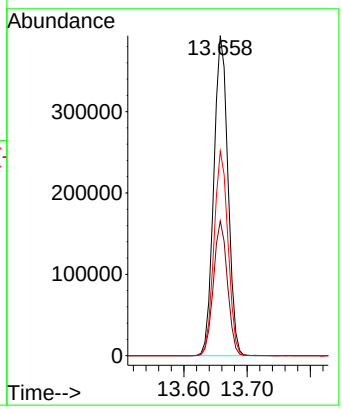


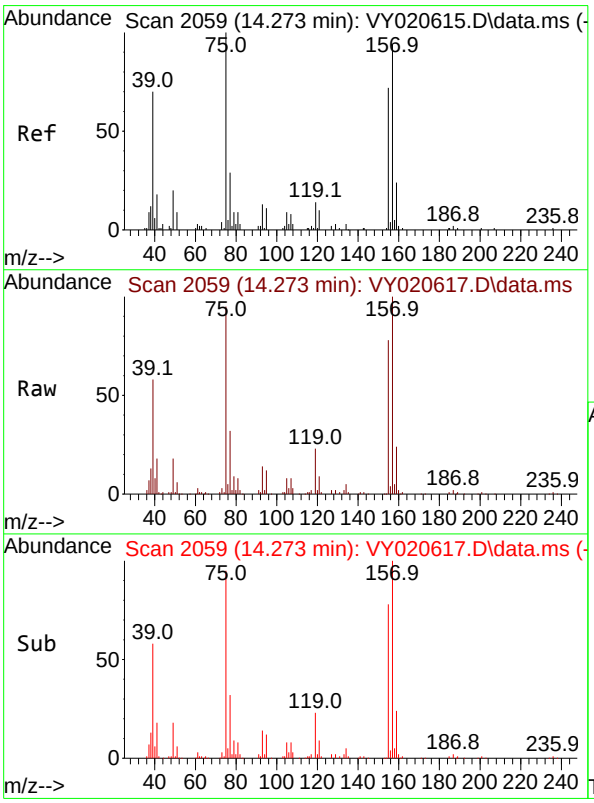
#91
1,2-Dichlorobenzene
Concen: 138.532 ug/l
RT: 13.658 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 611871

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.3	63.7
148	63.4	32.0	96.0

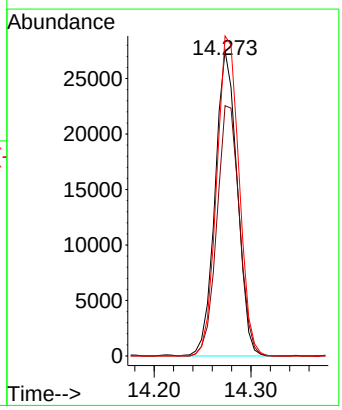


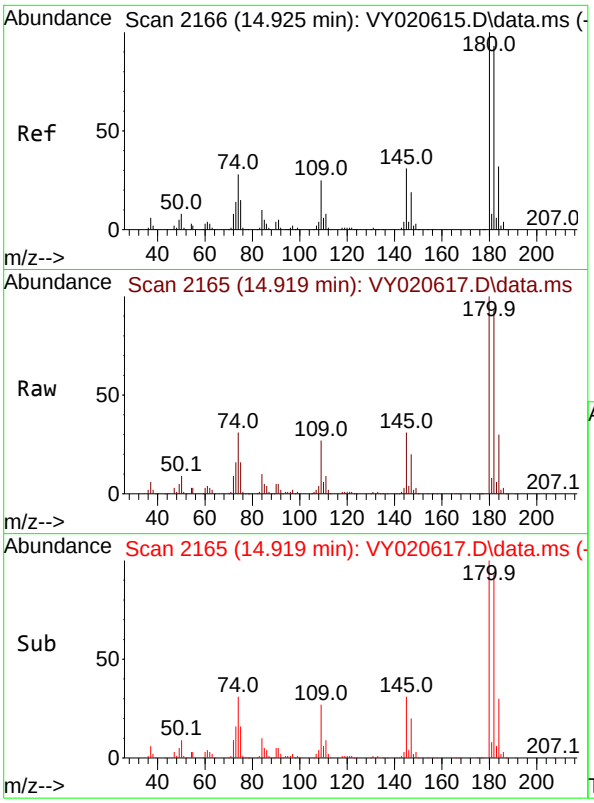


#92
1,2-Dibromo-3-Chloropropane
Concen: 139.274 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion: 75 Resp: 43513

Ion	Ratio	Lower	Upper
75	100		
155	83.5	41.1	123.3
157	106.5	52.9	158.8



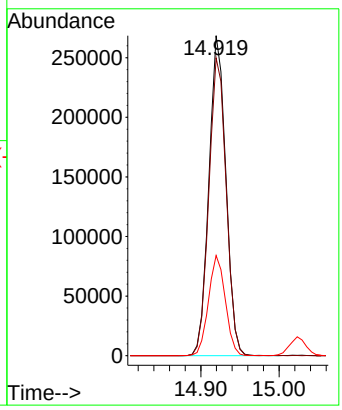


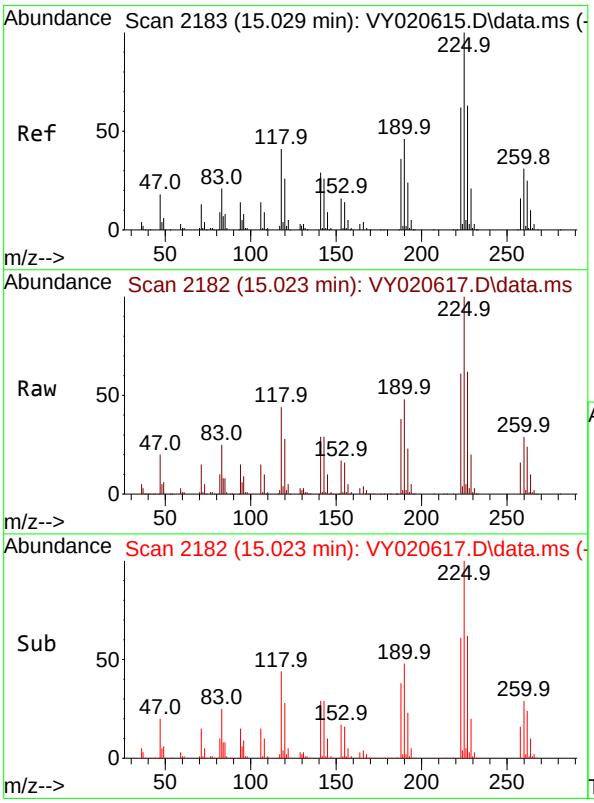
#93
1,2,4-Trichlorobenzene
Concen: 151.011 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 403445

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.6
145	31.1	15.6	46.7

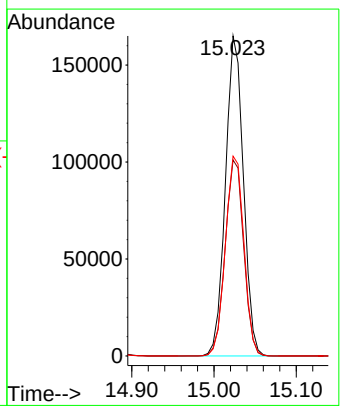


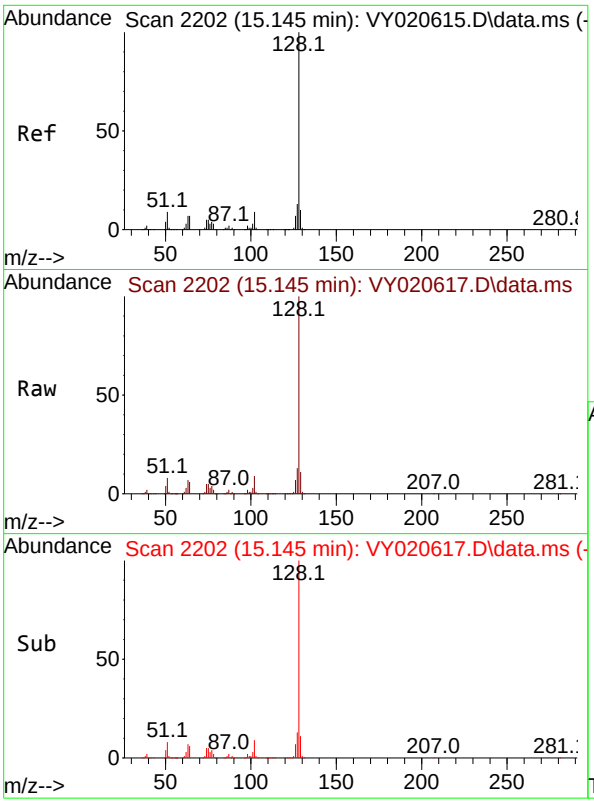


#94
Hexachlorobutadiene
Concen: 143.145 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:225 Resp: 250003

Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.8	95.3
227	64.5	32.2	96.6



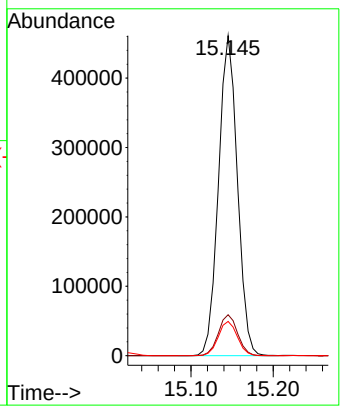


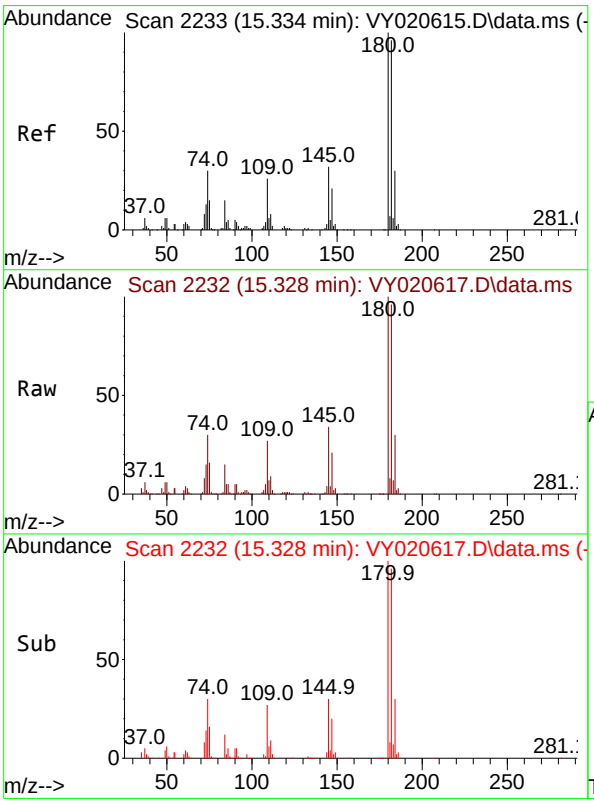
#95
Naphthalene
Concen: 160.836 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 736677

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	10.8	8.5	12.7

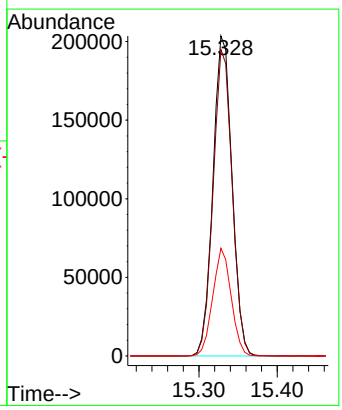




#96
1,2,3-Trichlorobenzene
Concen: 152.787 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY020617.D
Acq: 17 Dec 2024 11:37

Tgt Ion:180 Resp: 344880

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	141.9
145	32.5	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020619.D
Acq On : 17 Dec 2024 14:51
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Dec 18 04:55:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	167036	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	257526	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	219786	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	120870	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	10628	5.810	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.620%#		
35) Dibromofluoromethane	7.634	113	10393	5.726	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.460%#		
50) Toluene-d8	10.109	98	37211	5.858	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	11.720%#		
62) 4-Bromofluorobenzene	12.408	95	15073	6.066	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	12.140%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	11112	5.326	ug/l	100
3) Chloromethane	2.074	50	9266	5.994	ug/l	89
4) Vinyl Chloride	2.208	62	8140	5.657	ug/l	91
5) Bromomethane	2.599	94	5462	5.906	ug/l	84
6) Chloroethane	2.739	64	5039	5.667	ug/l	97
7) Trichlorofluoromethane	3.068	101	16587	5.509	ug/l	89
8) Diethyl Ether	3.464	74	5733	5.430	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	11901	5.515	ug/l	98
10) Methyl Iodide	4.007	142	11197	4.660	ug/l	98
11) Tert butyl alcohol	4.848	59	7794	12.197	ug/l #	86
12) 1,1-Dichloroethene	3.787	96	11147	5.324	ug/l	85
13) Acrolein	3.659	56	2720	31.444	ug/l	97
14) Allyl chloride	4.385	41	19430	5.296	ug/l	98
15) Acrylonitrile	5.061	53	12057	23.869	ug/l	98
16) Acetone	3.873	43	14032	33.023	ug/l	94
17) Carbon Disulfide	4.110	76	35780	5.250	ug/l	97
18) Methyl Acetate	4.391	43	6311	5.070	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	25765	4.768	ug/l	93
20) Methylene Chloride	4.616	84	12792	5.624	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	11813	5.030	ug/l	93
22) Diisopropyl ether	6.019	45	37011	4.970	ug/l #	88
23) Vinyl Acetate	5.964	43	98112	23.261	ug/l	98
24) 1,1-Dichloroethane	5.915	63	22261	5.102	ug/l	96
25) 2-Butanone	6.897	43	19017	27.972	ug/l	94
26) 2,2-Dichloropropane	6.878	77	24236	5.876	ug/l	93
27) cis-1,2-Dichloroethene	6.890	96	13806	5.109	ug/l	93
28) Bromochloromethane	7.244	49	7129	4.844	ug/l	96
29) Tetrahydrofuran	7.268	42	9729	22.669	ug/l	97
30) Chloroform	7.421	83	34563	2.901	ug/l	98
31) Cyclohexane	7.707	56	24108	5.779	ug/l #	85
32) 1,1,1-Trichloroethane	7.622	97	20368	5.082	ug/l	99
36) 1,1-Dichloropropene	7.835	75	17712	5.352	ug/l	98
37) Ethyl Acetate	6.988	43	7613	4.890	ug/l	96
38) Carbon Tetrachloride	7.817	117	18792	5.132	ug/l	96
39) Methylcyclohexane	9.110	83	22745	5.273	ug/l	94
40) Benzene	8.079	78	49636	5.117	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020619.D
Acq On : 17 Dec 2024 14:51
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Dec 18 04:55:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.268	41	9689	11.773	ug/l	#	30
42) 1,2-Dichloroethane	8.159	62	12917	5.020	ug/l		95
43) Isopropyl Acetate	8.195	43	13361	4.533	ug/l	#	86
44) Trichloroethene	8.866	130	12384	5.195	ug/l		88
45) 1,2-Dichloropropane	9.146	63	11378	5.019	ug/l		96
46) Dibromomethane	9.231	93	5965	4.978	ug/l		99
47) Bromodichloromethane	9.420	83	16115	4.979	ug/l		98
48) Methyl methacrylate	9.219	41	6545	4.671	ug/l		93
49) 1,4-Dioxane	9.225	88	1268	92.278	ug/l	#	82
51) 4-Methyl-2-Pentanone	10.000	43	38280	24.607	ug/l		98
52) Toluene	10.170	92	30294	5.025	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	13747	4.558	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	17025	4.764	ug/l		95
55) 1,1,2-Trichloroethane	10.573	97	7935	5.009	ug/l		93
56) Ethyl methacrylate	10.439	69	10000	4.351	ug/l		98
57) 1,3-Dichloropropane	10.719	76	13754	4.870	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	23872	24.686	ug/l		100
59) 2-Hexanone	10.762	43	23164	23.192	ug/l		99
60) Dibromochloromethane	10.914	129	10207	4.818	ug/l		98
61) 1,2-Dibromoethane	11.018	107	7143	4.847	ug/l		100
64) Tetrachloroethene	10.646	164	11707	5.663	ug/l		96
65) Chlorobenzene	11.445	112	31674	5.154	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	10526	5.009	ug/l		94
67) Ethyl Benzene	11.518	91	57861	5.103	ug/l		100
68) m/p-Xylenes	11.627	106	43257	10.262	ug/l		100
69) o-Xylene	11.957	106	19639	4.993	ug/l		99
70) Styrene	11.969	104	32495	4.945	ug/l		99
71) Bromoform	12.133	173	5762	4.877	ug/l	#	98
73) Isopropylbenzene	12.255	105	53196	5.043	ug/l		100
74) N-amyl acetate	12.072	43	10480	4.245	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	8331	4.866	ug/l		97
76) 1,2,3-Trichloropropane	12.560	75	10818	8.690	ug/l	#	100
77) Bromobenzene	12.536	156	11774	5.124	ug/l		98
78) n-propylbenzene	12.597	91	64140	5.047	ug/l		97
79) 2-Chlorotoluene	12.682	91	36508	5.106	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	43711	5.107	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	2558	4.276	ug/l		90
82) 4-Chlorotoluene	12.780	91	39447	5.318	ug/l		98
83) tert-Butylbenzene	12.999	119	38538	4.972	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	41754	4.974	ug/l		97
85) sec-Butylbenzene	13.176	105	58088	5.154	ug/l		100
86) p-Isopropyltoluene	13.292	119	46384	4.992	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	23757	5.238	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	24276	5.404	ug/l		94
89) n-Butylbenzene	13.621	91	43817	4.976	ug/l		99
90) Hexachloroethane	13.883	117	9361	5.084	ug/l		100
91) 1,2-Dichlorobenzene	13.664	146	20478	5.211	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1404	5.051	ug/l		89
93) 1,2,4-Trichlorobenzene	14.926	180	11648	4.900	ug/l		98
94) Hexachlorobutadiene	15.029	225	8059	5.186	ug/l		99
95) Naphthalene	15.151	128	17365	4.261	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	9821	4.890	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020619.D
Acq On : 17 Dec 2024 14:51
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Dec 18 04:55:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration

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

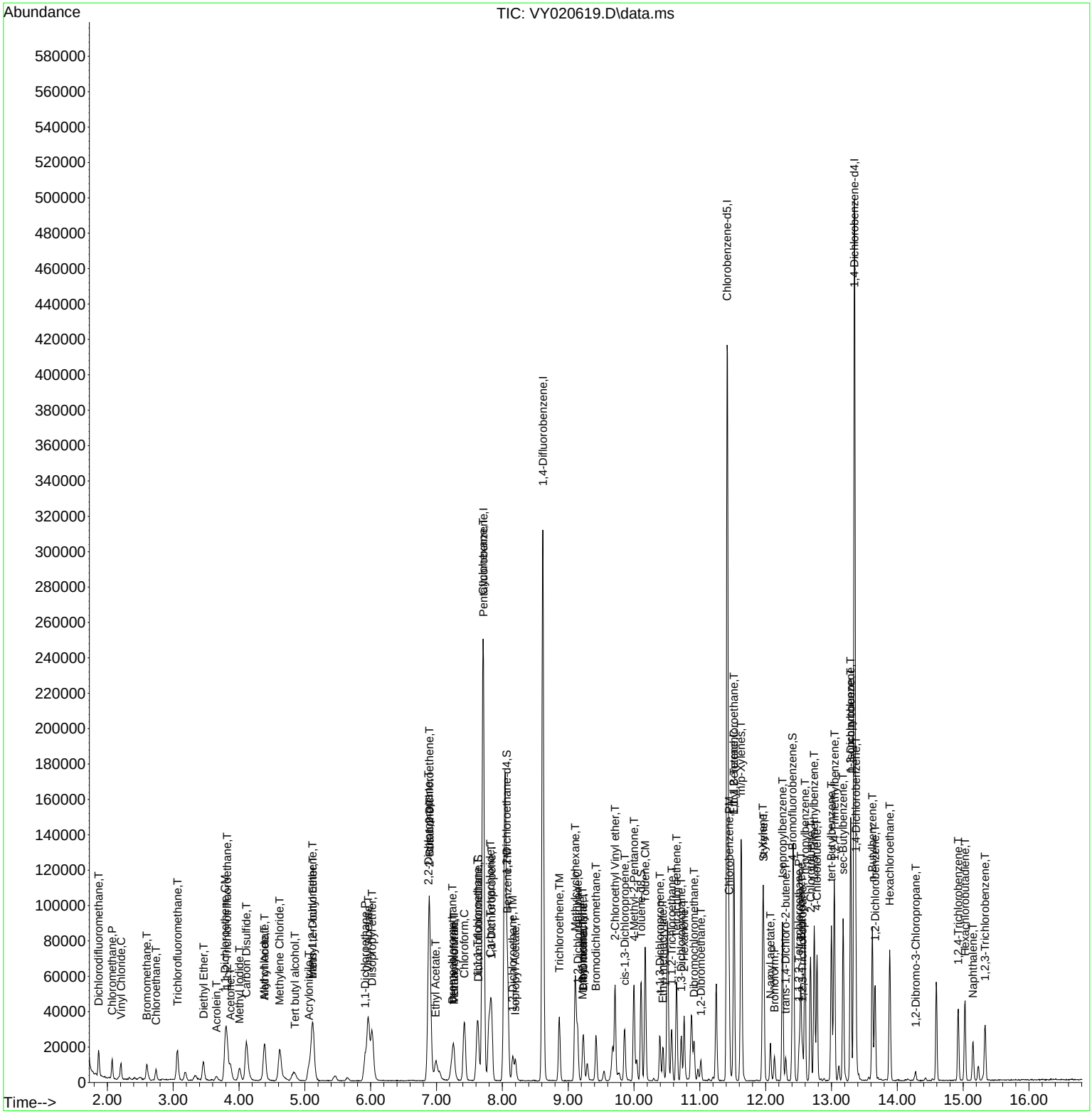
(#) = qualifier out of range (m) = manual integration (+) = signals summed

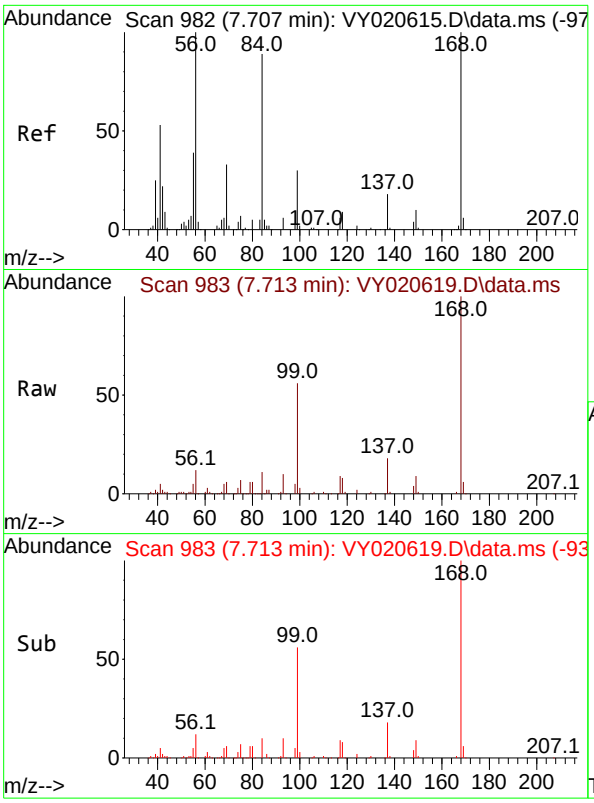
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020619.D
Acq On : 17 Dec 2024 14:51
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Dec 18 04:55:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 04:39:18 2024
Response via : Initial Calibration



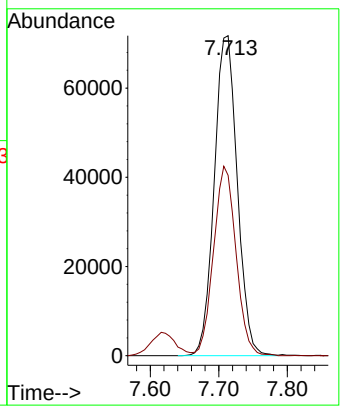


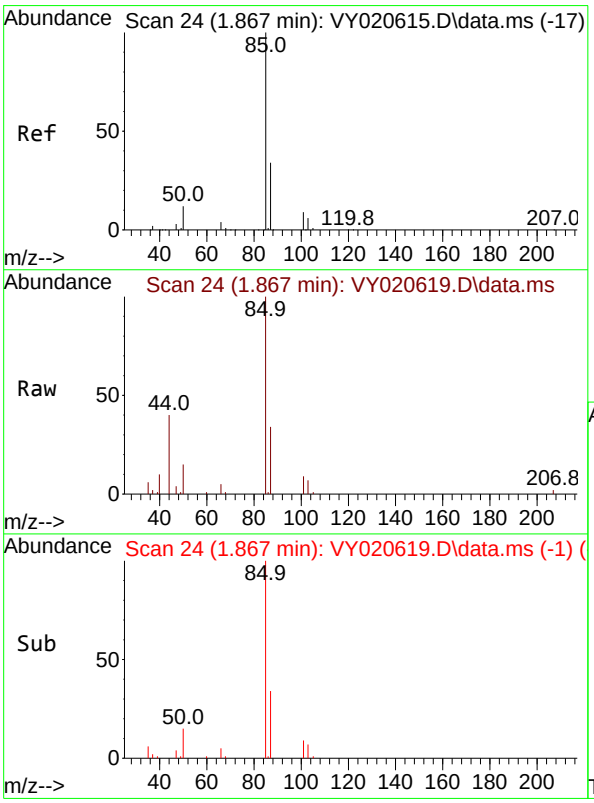
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 167036

Ion	Ratio	Lower	Upper
168	100		
99	56.4	47.0	70.6

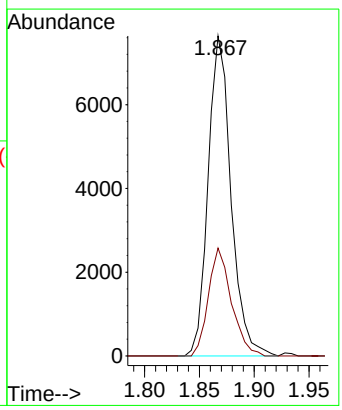


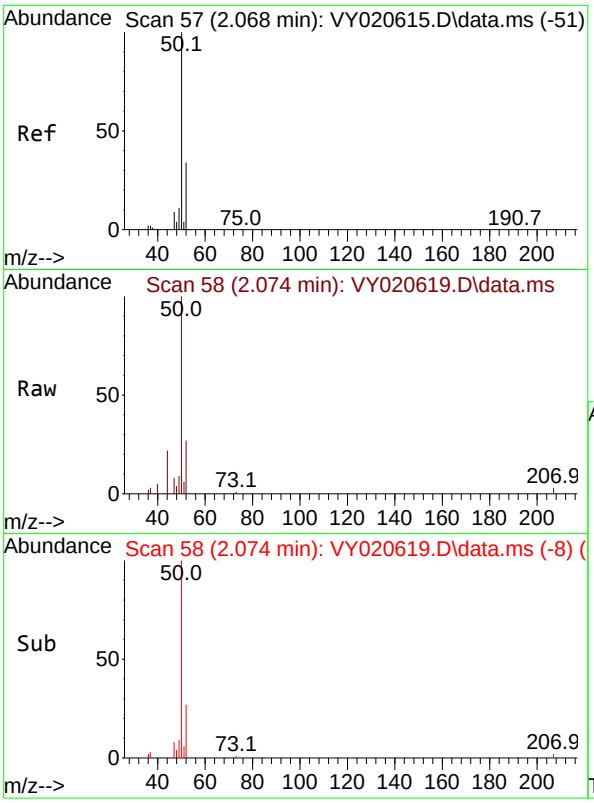


#2
Dichlorodifluoromethane
Concen: 5.326 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 85 Resp: 11112

Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.8	50.3



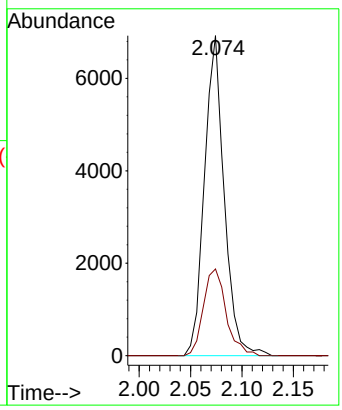


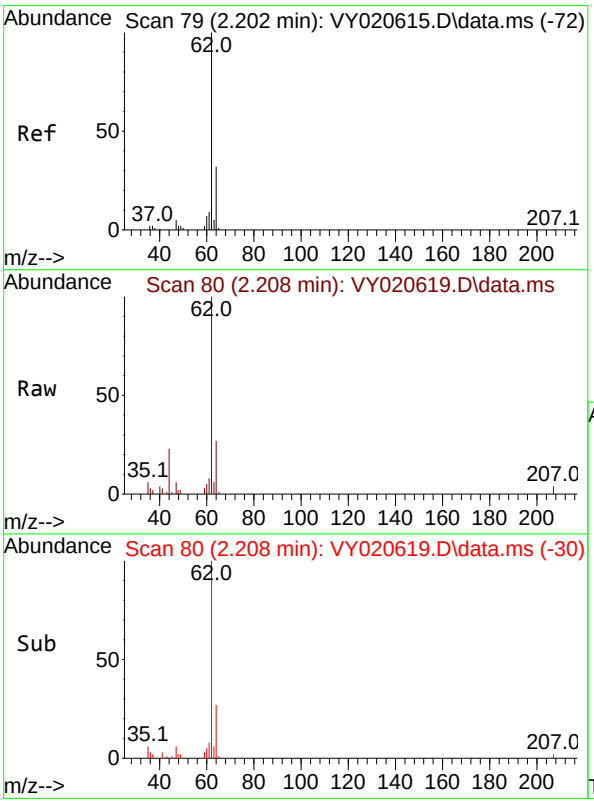
#3
Chloromethane
Concen: 5.994 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 9266

Ion	Ratio	Lower	Upper
50	100		
52	27.1	26.8	40.2

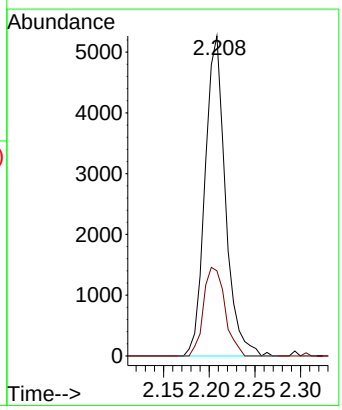


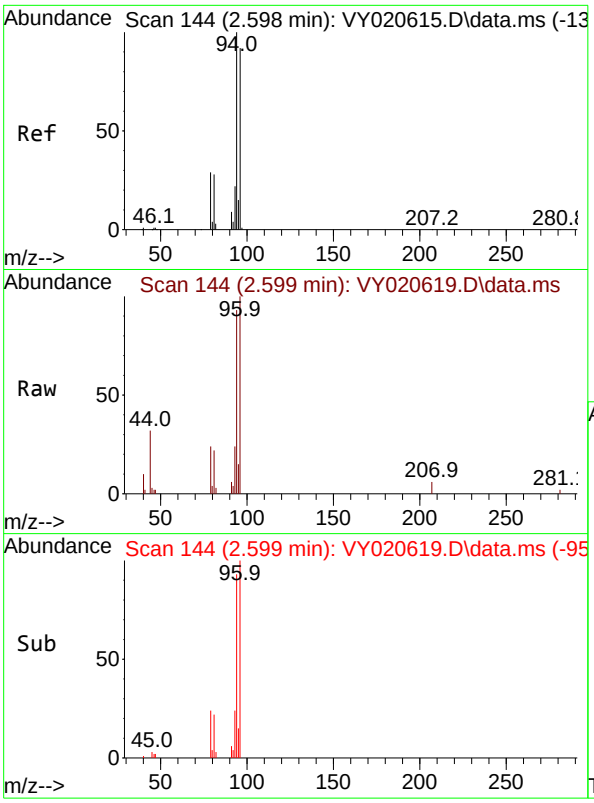


#4
Vinyl Chloride
Concen: 5.657 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 62 Resp: 8140

Ion	Ratio	Lower	Upper
62	100		
64	26.6	25.3	37.9



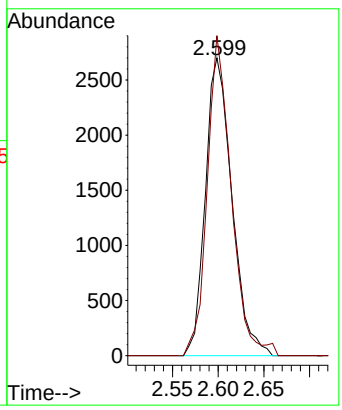


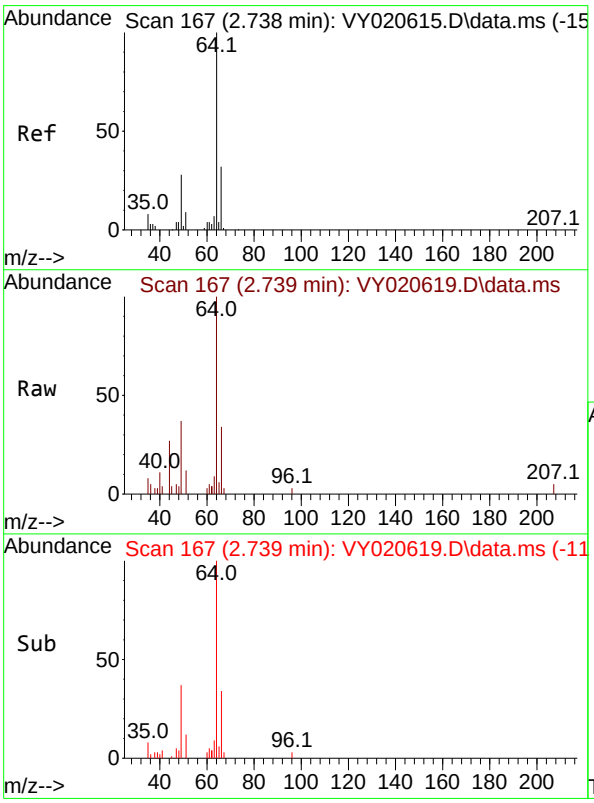
#5
Bromomethane
Concen: 5.906 ug/l
RT: 2.599 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 5462

Ion	Ratio	Lower	Upper
94	100		
96	107.5	73.8	110.6

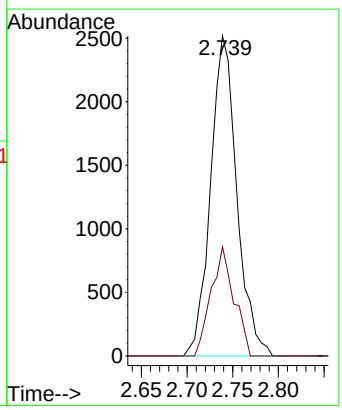


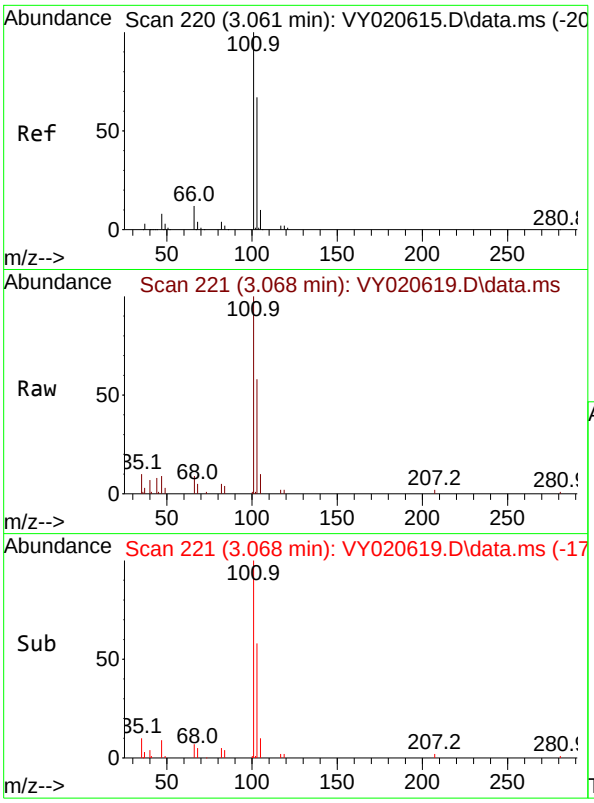


#6
Chloroethane
Concen: 5.667 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 64 Resp: 5039

Ion	Ratio	Lower	Upper
64	100		
66	34.1	25.8	38.6



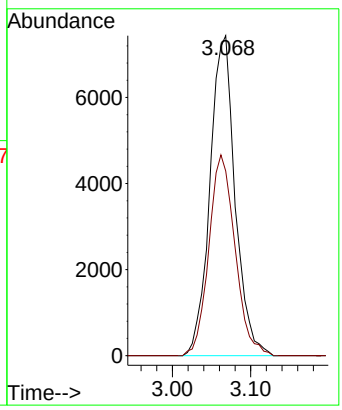


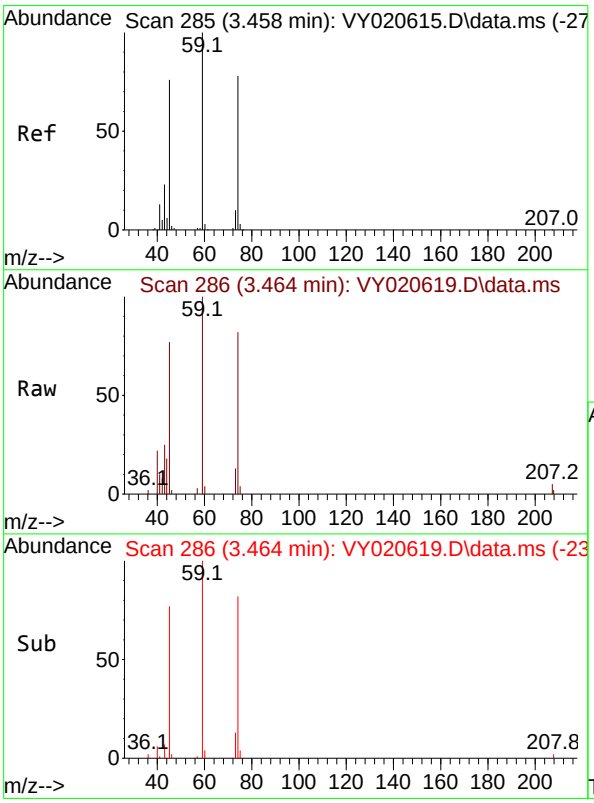
#7
Trichlorofluoromethane
Concen: 5.509 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 16587

Ion	Ratio	Lower	Upper
101	100		
103	57.7	53.4	80.0

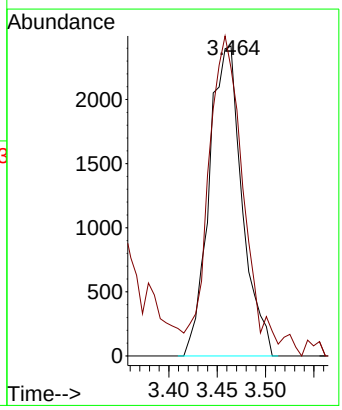


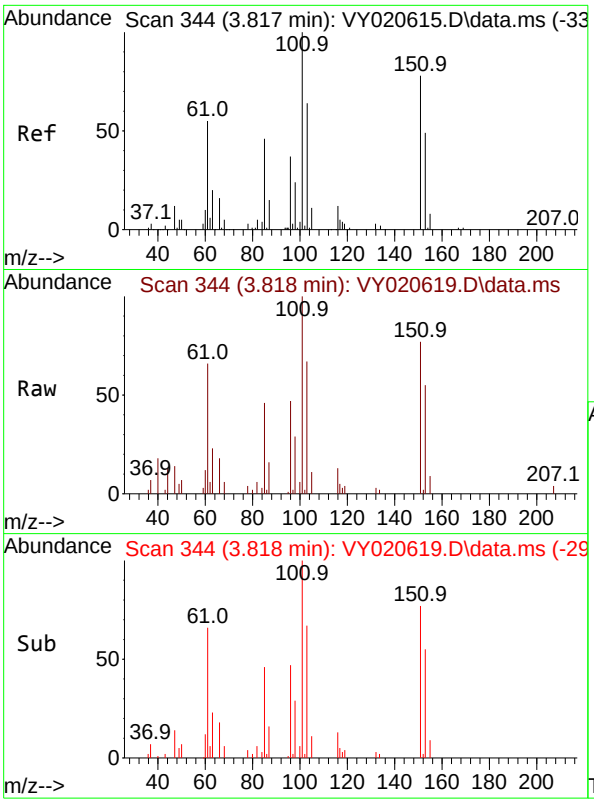


#8
Diethyl Ether
Concen: 5.430 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 74 Resp: 5733

Ion	Ratio	Lower	Upper
74	100		
45	100.2	49.0	147.2



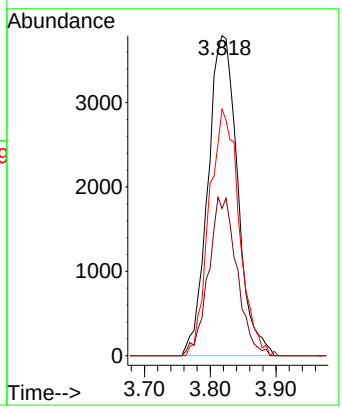


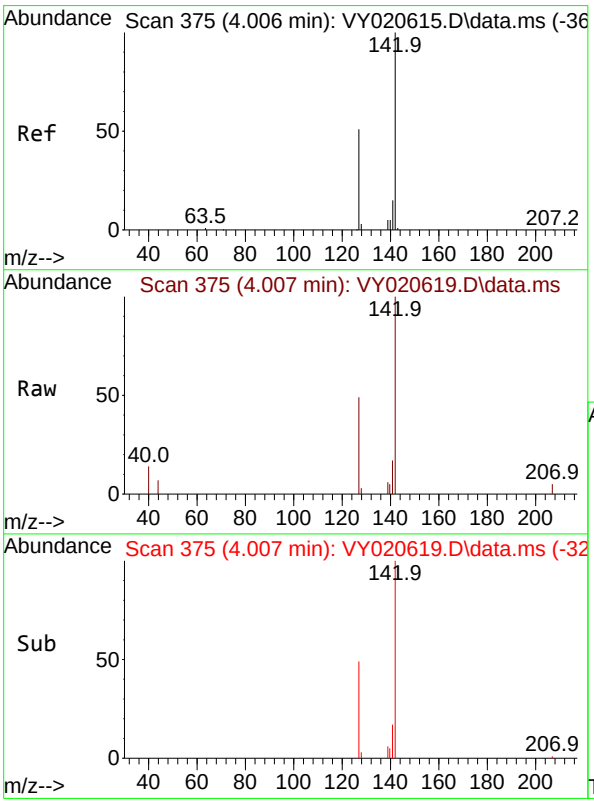
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.515 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 11901

Ion	Ratio	Lower	Upper
101	100		
85	47.3	36.6	54.8
151	77.7	61.5	92.3

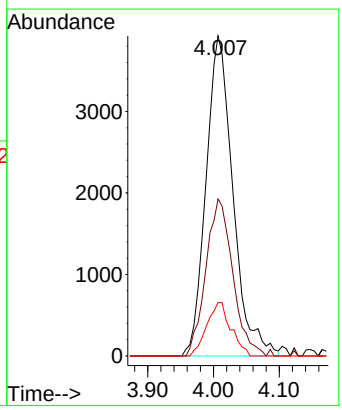


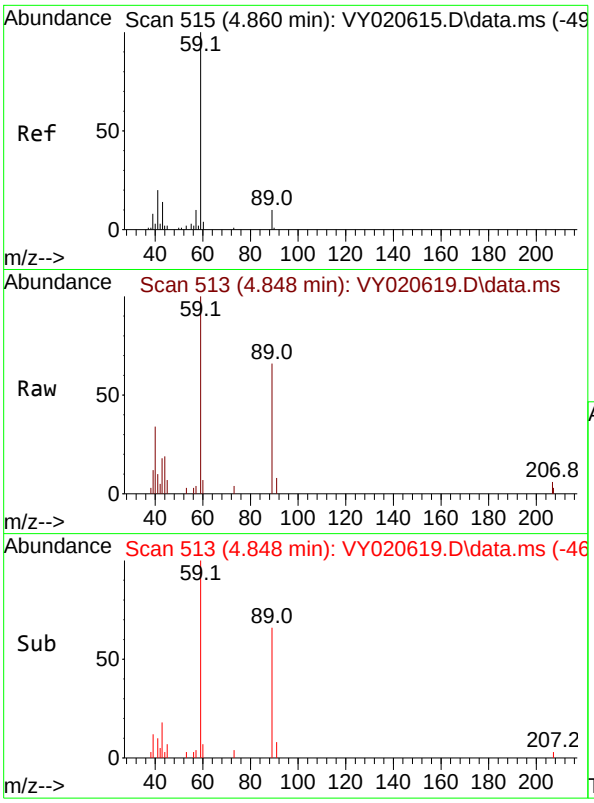


#10
Methyl Iodide
Concen: 4.660 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.001 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:142 Resp: 11197

Ion	Ratio	Lower	Upper
142	100		
127	48.8	40.6	61.0
141	14.9	11.7	17.5



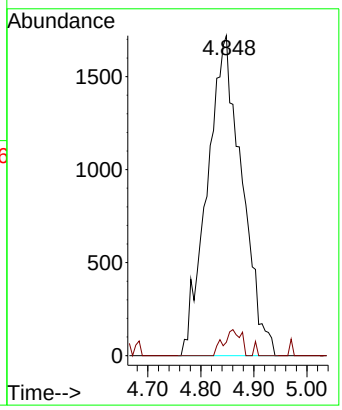


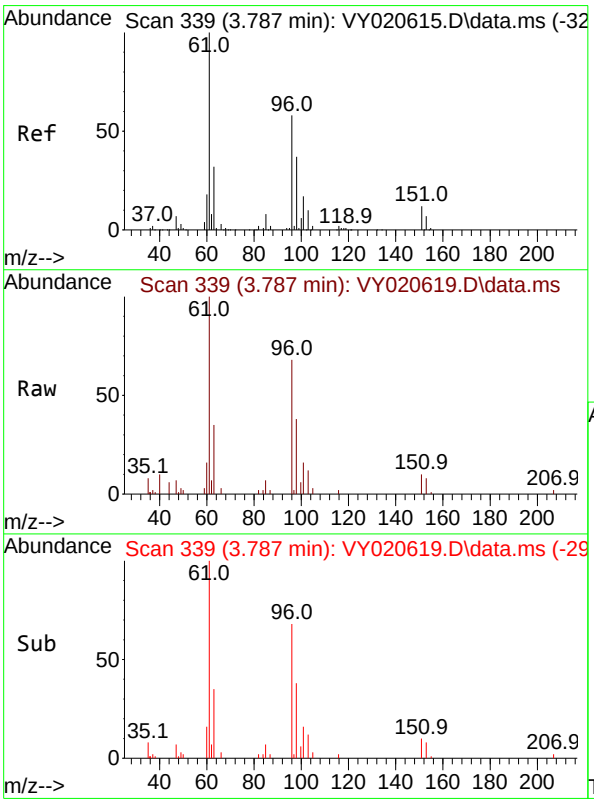
#11
Tert butyl alcohol
Concen: 12.197 ug/l
RT: 4.848 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 7794

Ion	Ratio	Lower	Upper
59	100		
57	4.1	7.4	11.0#

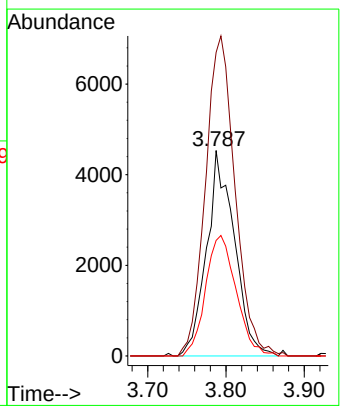


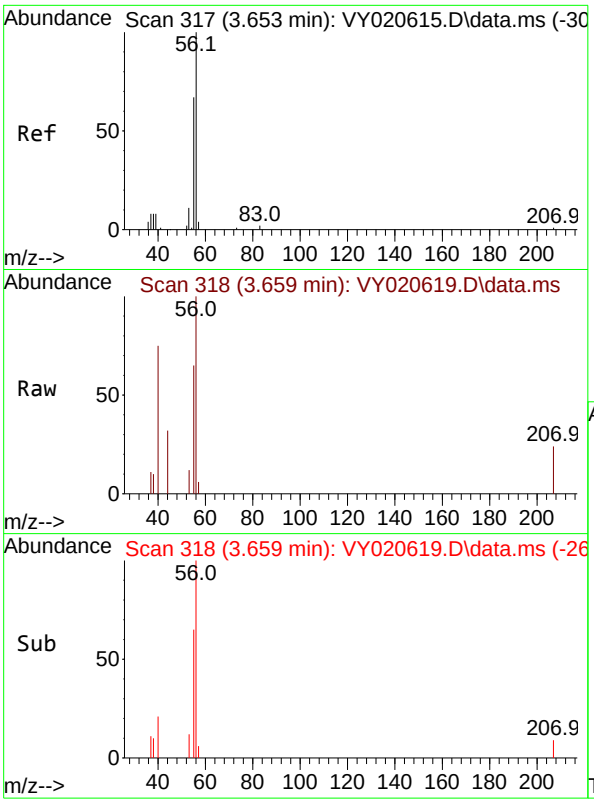


#12
1,1-Dichloroethene
Concen: 5.324 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 96 Resp: 11147

Ion	Ratio	Lower	Upper
96	100		
61	147.8	136.9	205.3
98	56.2	50.2	75.4



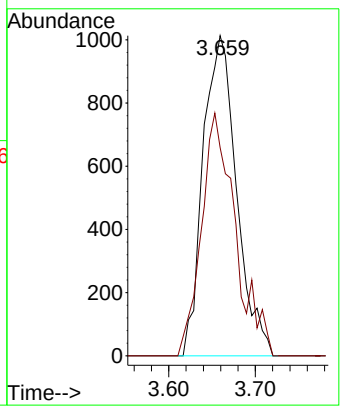


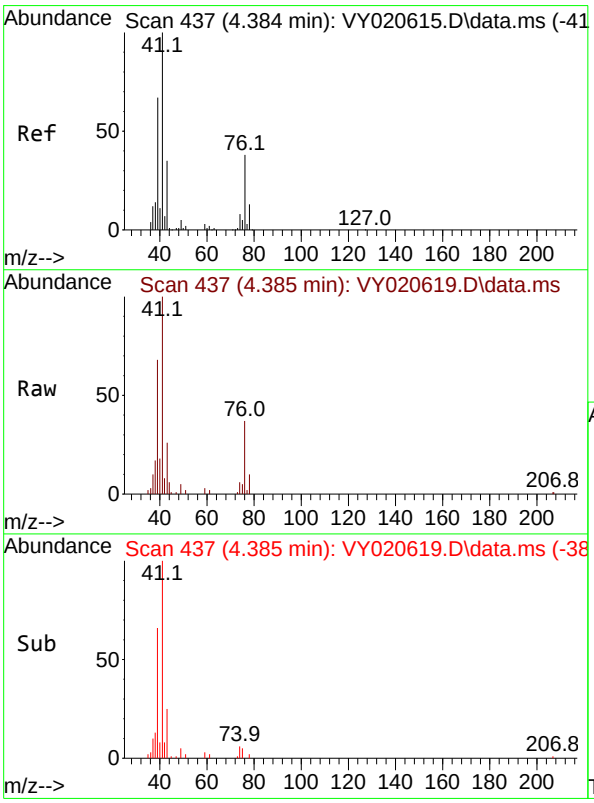
#13
Acrolein
Concen: 31.444 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 2720

Ion	Ratio	Lower	Upper
56	100		
55	69.5	57.5	86.3

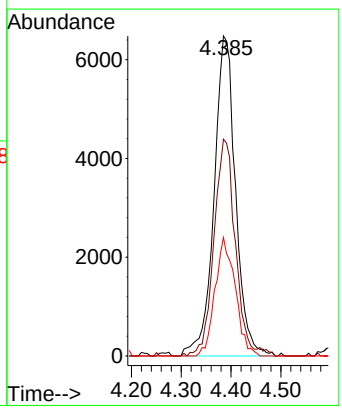


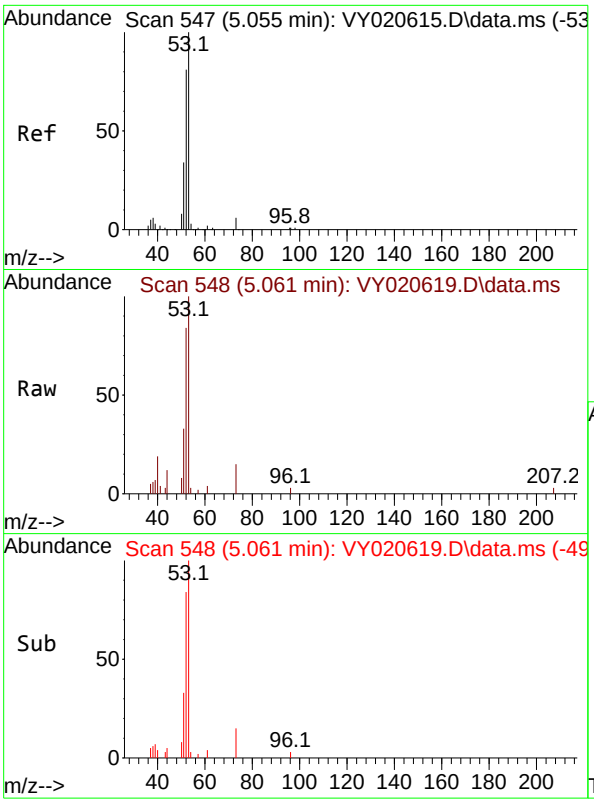


#14
Allyl chloride
Concen: 5.296 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 41 Resp: 19430

Ion	Ratio	Lower	Upper
41	100		
39	67.7	53.0	79.4
76	34.7	29.5	44.3



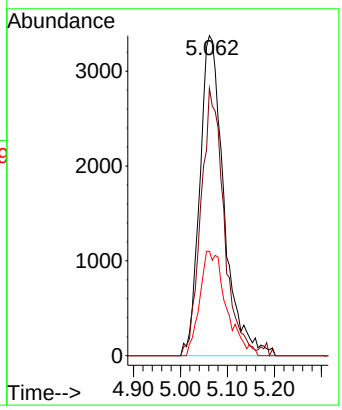


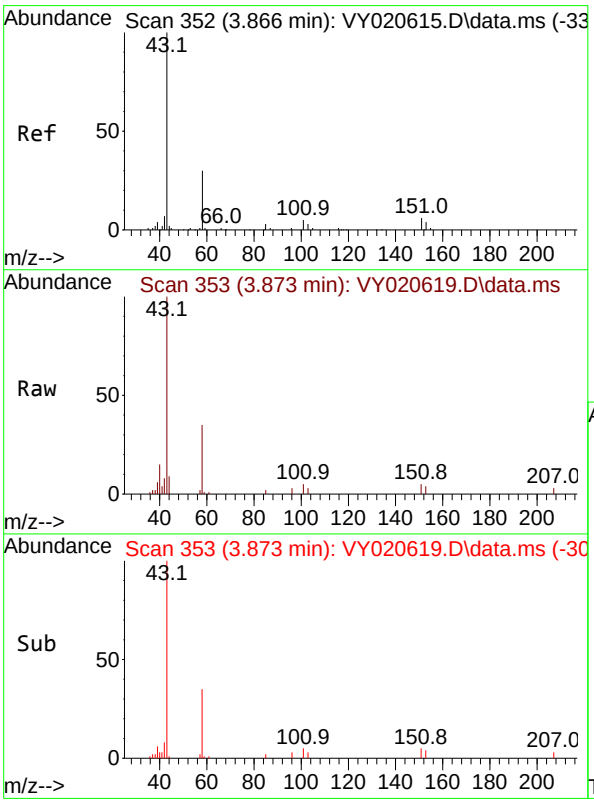
#15
Acrylonitrile
Concen: 23.869 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 12057

Ion	Ratio	Lower	Upper
53	100		
52	79.3	64.5	96.7
51	35.7	29.4	44.0

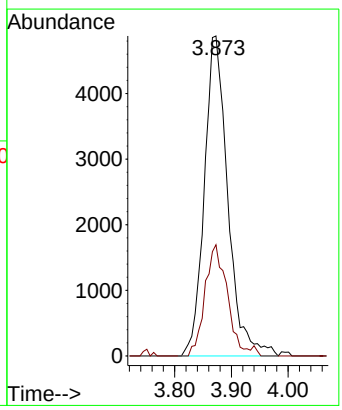


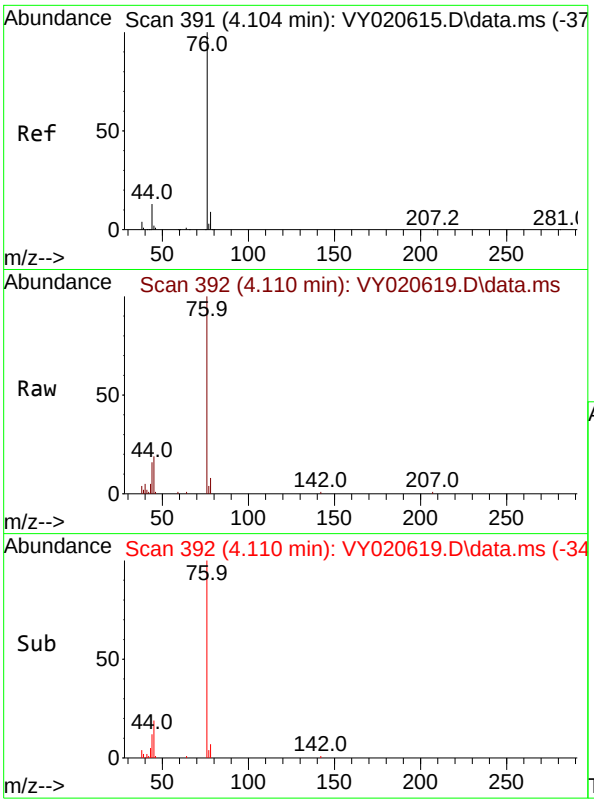


#16
Acetone
Concen: 33.023 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.007 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 43 Resp: 14032

Ion	Ratio	Lower	Upper
43	100		
58	34.8	25.0	37.6



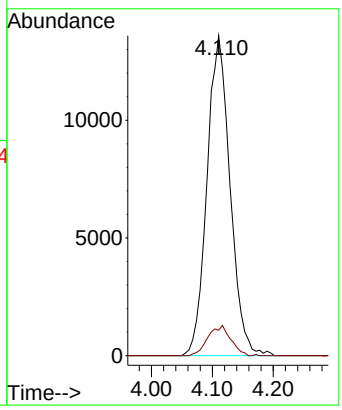


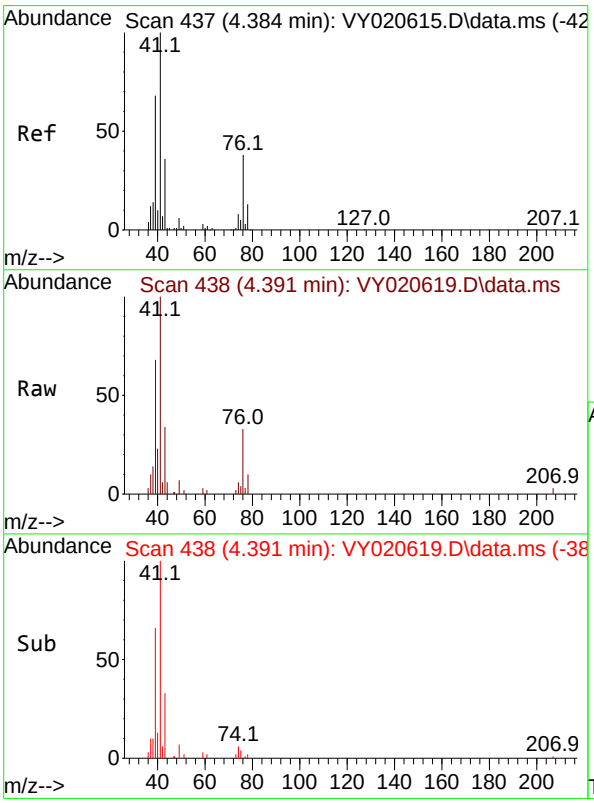
#17
Carbon Disulfide
Concen: 5.250 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 35780

Ion	Ratio	Lower	Upper
76	100		
78	7.9	7.2	10.8

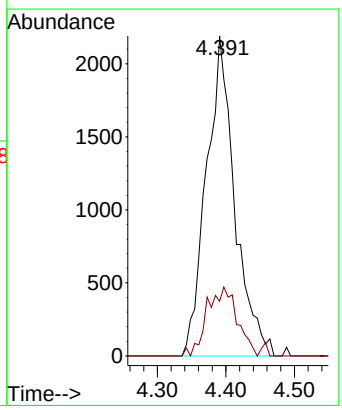


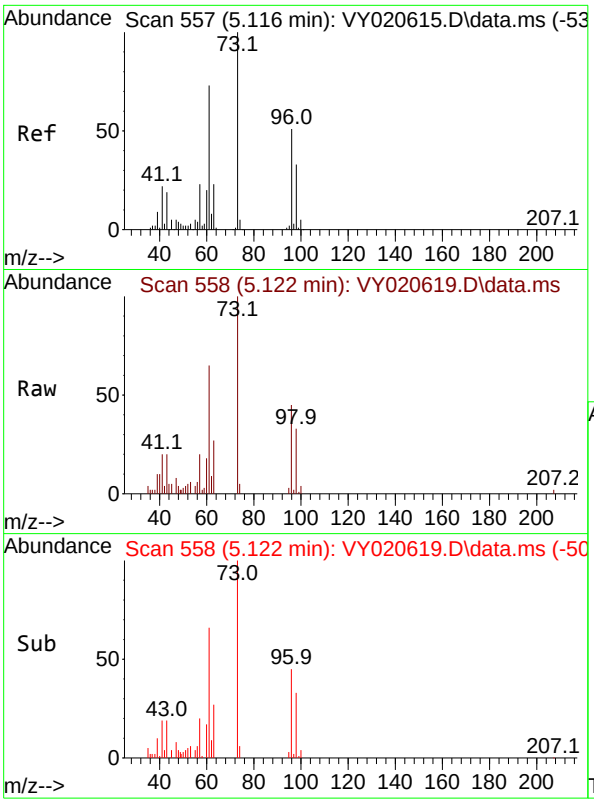


#18
Methyl Acetate
Concen: 5.070 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 43 Resp: 6311

Ion	Ratio	Lower	Upper
43	100		
74	22.8	19.2	28.8



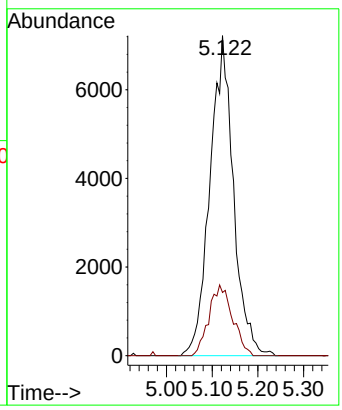


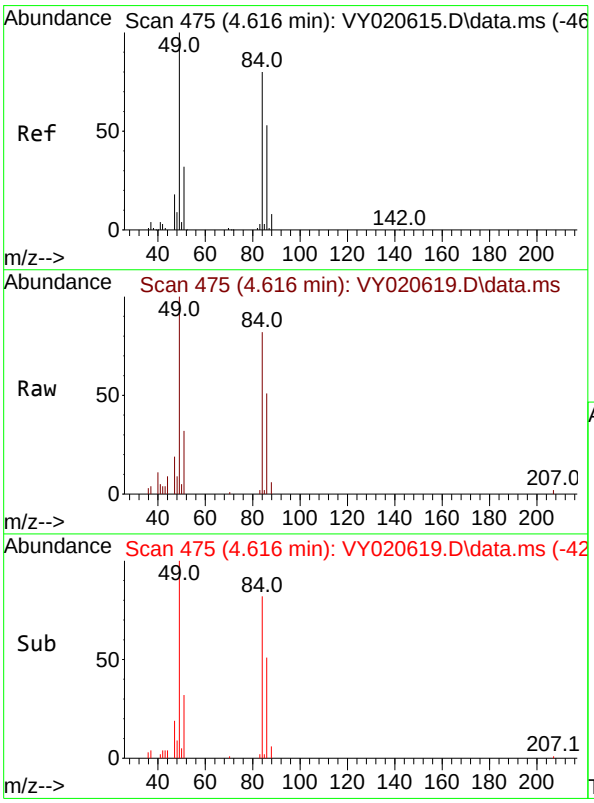
#19
Methyl tert-butyl Ether
Concen: 4.768 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 25765

Ion	Ratio	Lower	Upper
73	100		
57	19.7	18.5	27.7

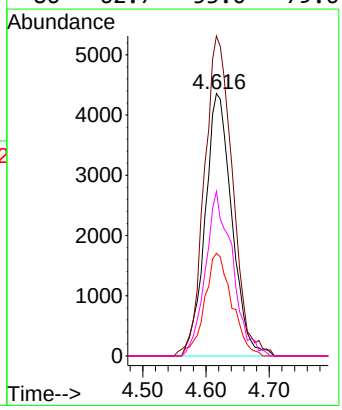


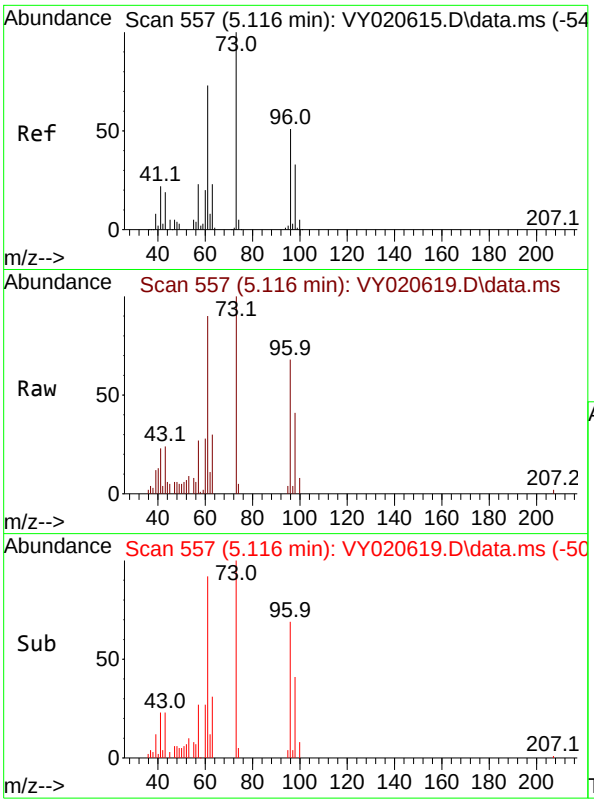


#20
Methylene Chloride
Concen: 5.624 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 84 Resp: 12792

Ion	Ratio	Lower	Upper
84	100		
49	121.9	100.7	151.1
51	39.1	32.2	48.2
86	62.7	53.0	79.6



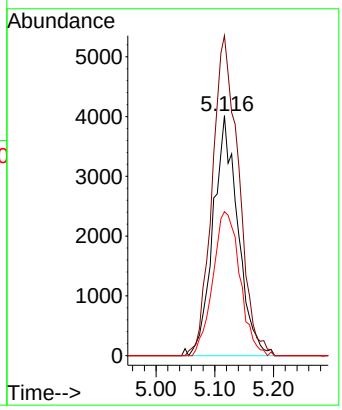


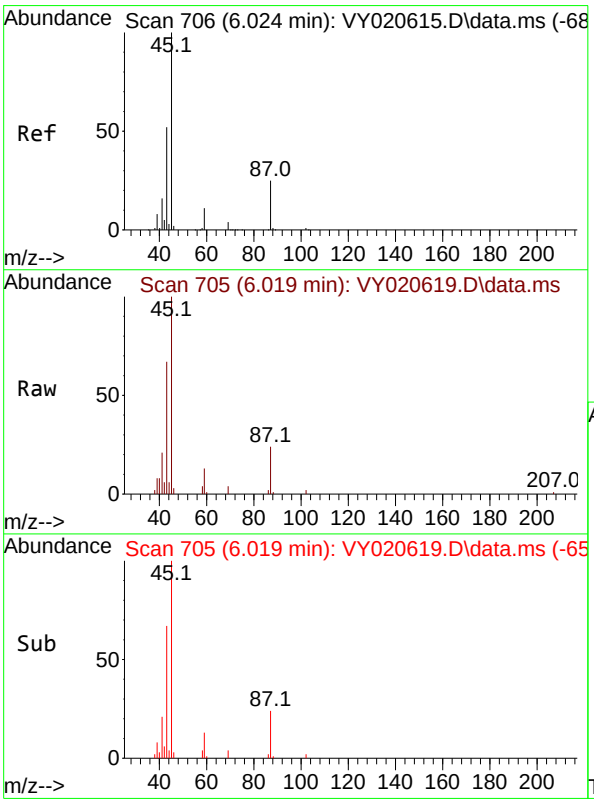
#21
trans-1,2-Dichloroethene
Concen: 5.030 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 11813

Ion	Ratio	Lower	Upper
96	100		
61	133.4	113.7	170.5
98	60.0	51.7	77.5

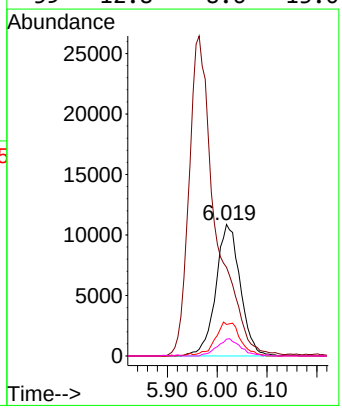


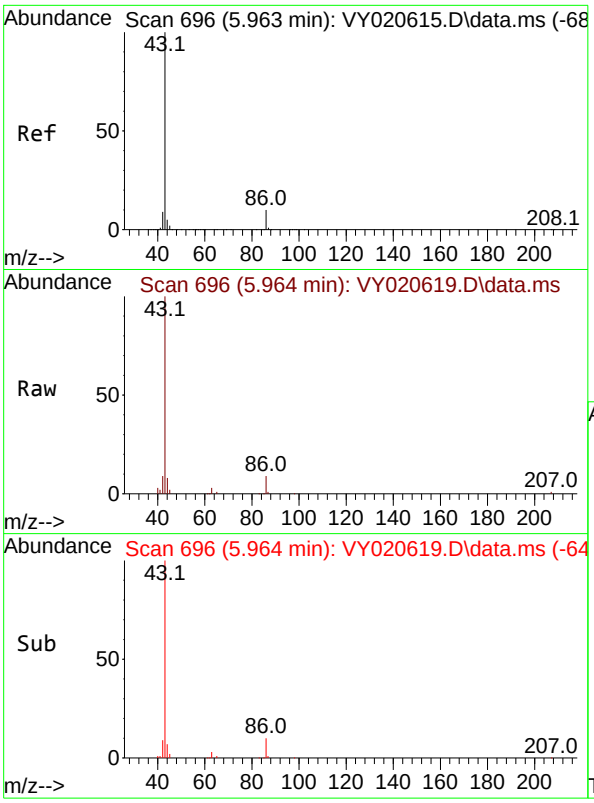


#22
Diisopropyl ether
Concen: 4.970 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 45 Resp: 37011

Ion	Ratio	Lower	Upper
45	100		
43	65.6	42.6	64.0#
87	24.0	20.6	31.0
59	12.8	8.6	13.0



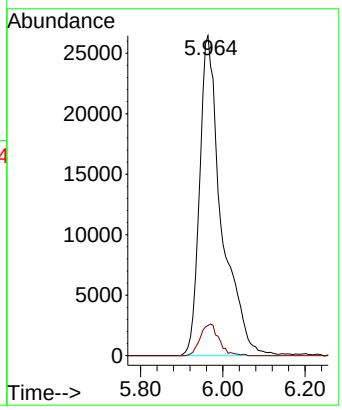


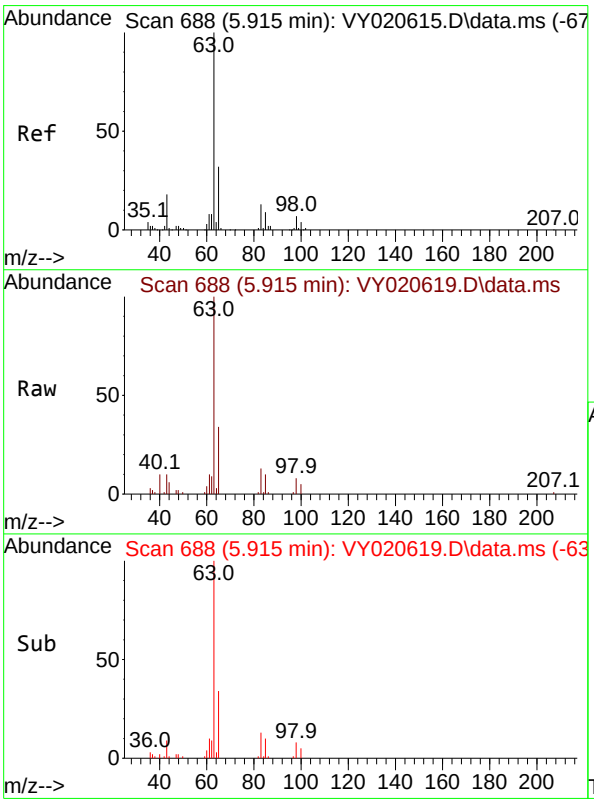
#23
Vinyl Acetate
Concen: 23.261 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 98112

Ion	Ratio	Lower	Upper
43	100		
86	9.5	8.1	12.1

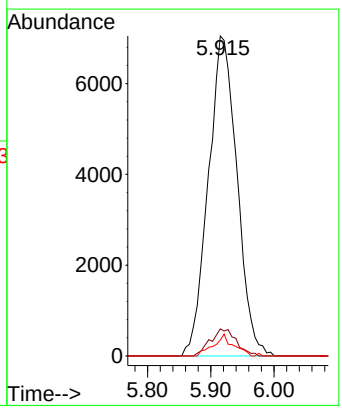


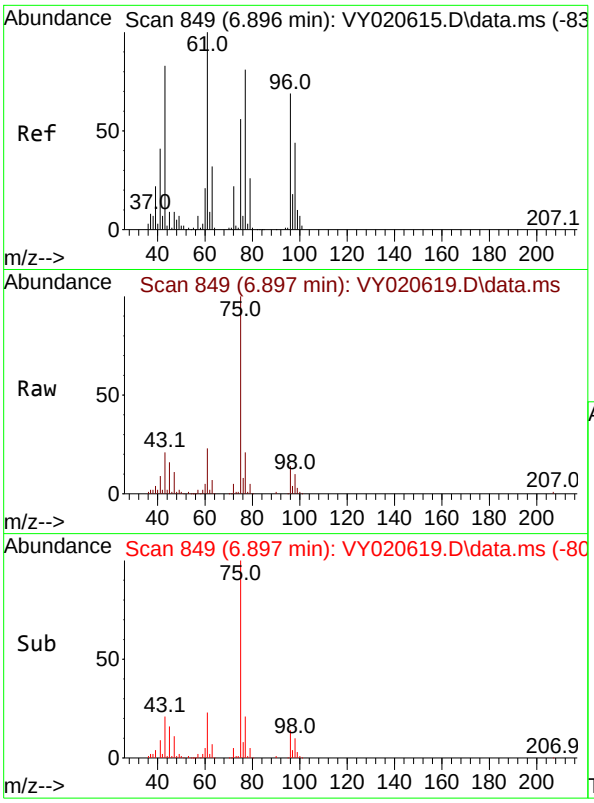


#24
1,1-Dichloroethane
Concen: 5.102 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 63 Resp: 22261

Ion	Ratio	Lower	Upper
63	100		
98	8.4	3.4	10.1
100	4.9	2.1	6.5



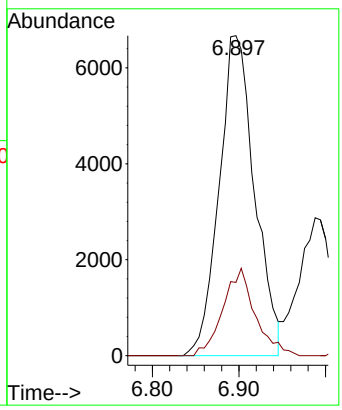


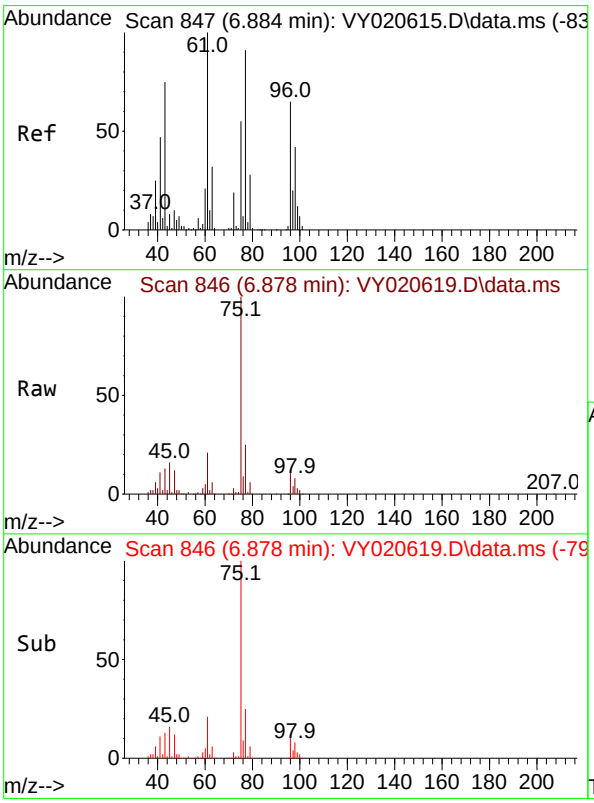
#25
2-Butanone
Concen: 27.972 ug/l
RT: 6.897 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 19017

Ion	Ratio	Lower	Upper
43	100		
72	22.9	20.6	31.0

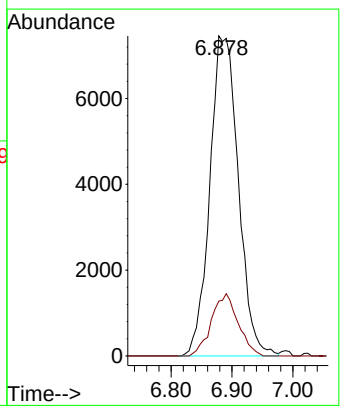


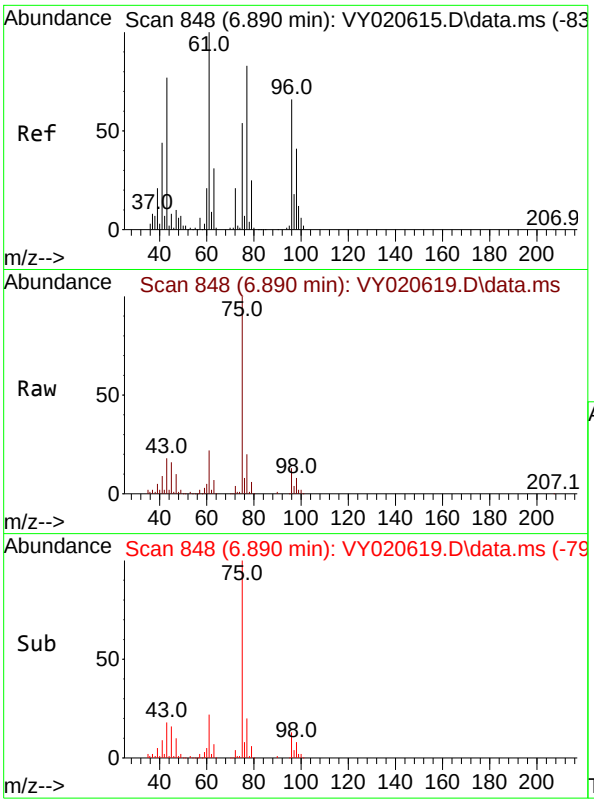


#26
2,2-Dichloropropane
Concen: 5.876 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 77 Resp: 24236

Ion	Ratio	Lower	Upper
77	100		
97	18.3	10.9	32.6



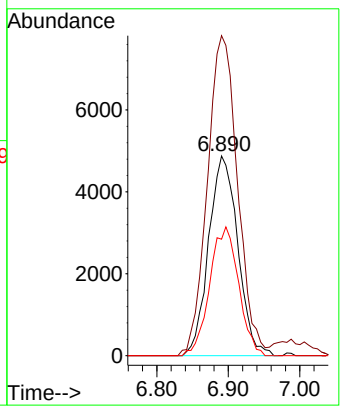


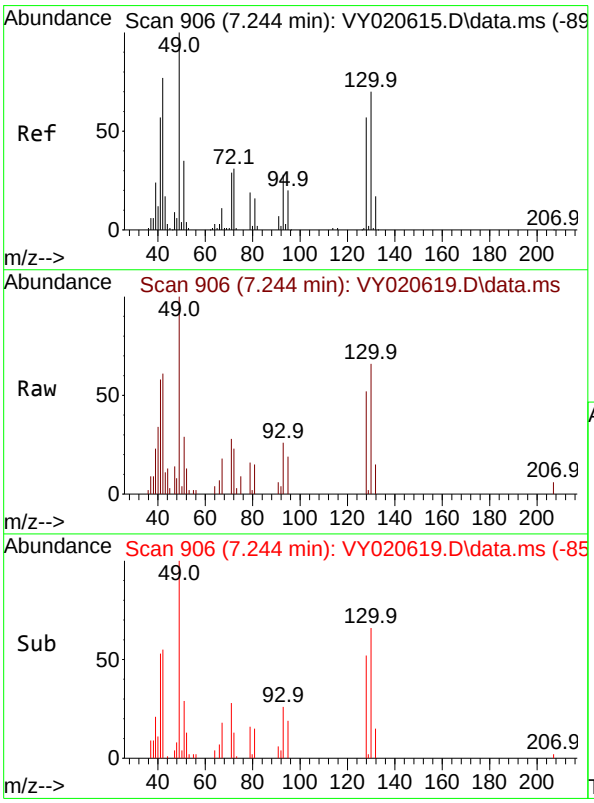
#27
cis-1,2-Dichloroethene
Concen: 5.109 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 13806

Ion	Ratio	Lower	Upper
96	100		
61	165.8	0.0	306.2
98	64.0	0.0	127.2

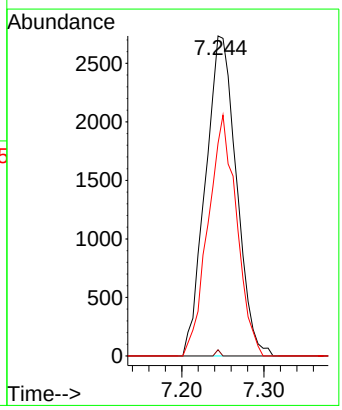


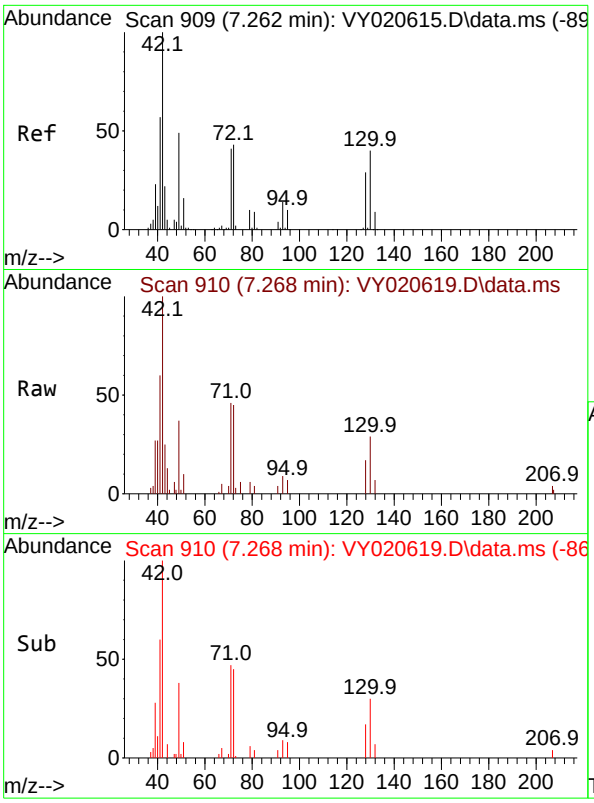


#28
Bromochloromethane
Concen: 4.844 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 49 Resp: 7129

Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	3.8
130	69.5	58.3	87.5



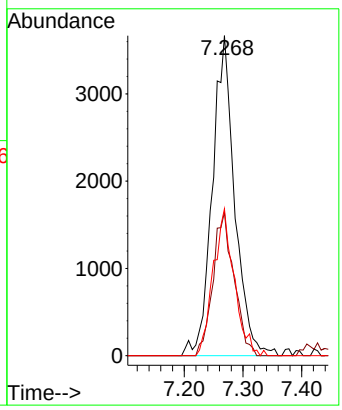


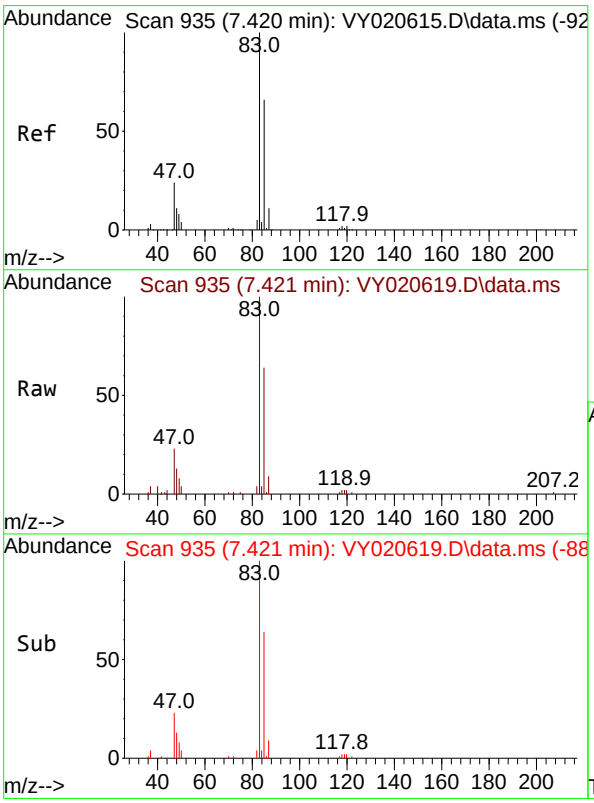
#29
Tetrahydrofuran
Concen: 22.669 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 9729

Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.0	51.0
71	42.8	31.6	47.4

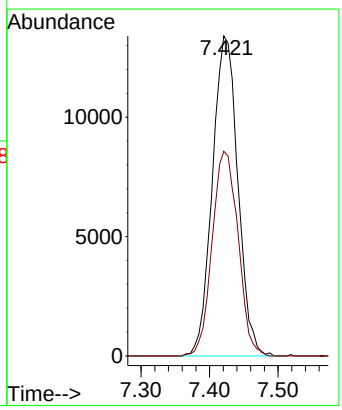


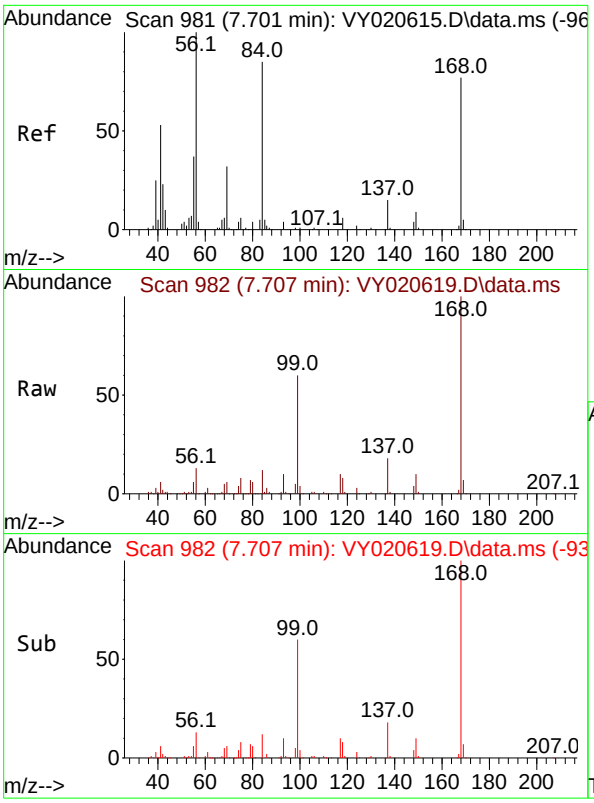


#30
Chloroform
Concen: 2.901 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.001 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 83 Resp: 34563

Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.7	79.1



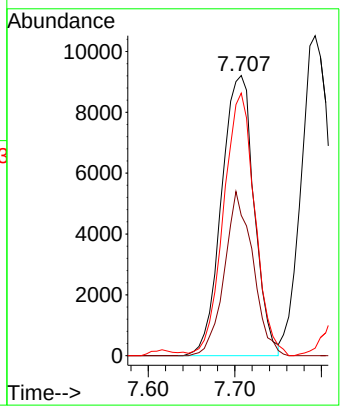


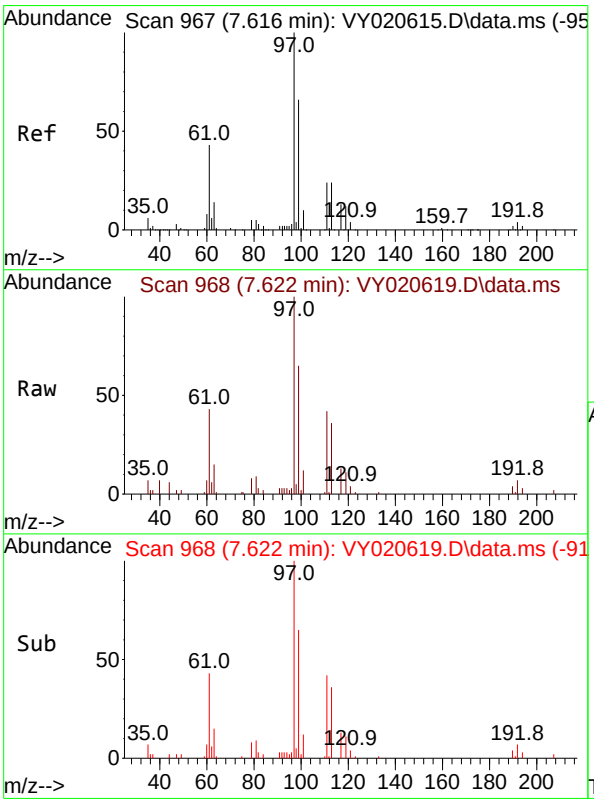
#31
Cyclohexane
Concen: 5.779 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 24108

Ion	Ratio	Lower	Upper
56	100		
69	50.1	25.4	38.0#
84	92.6	68.3	102.5

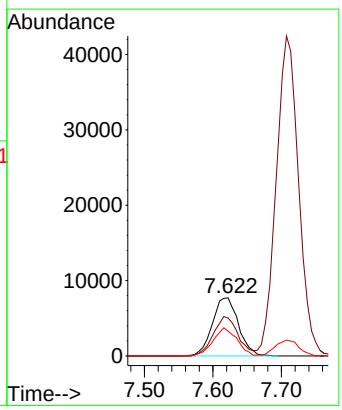


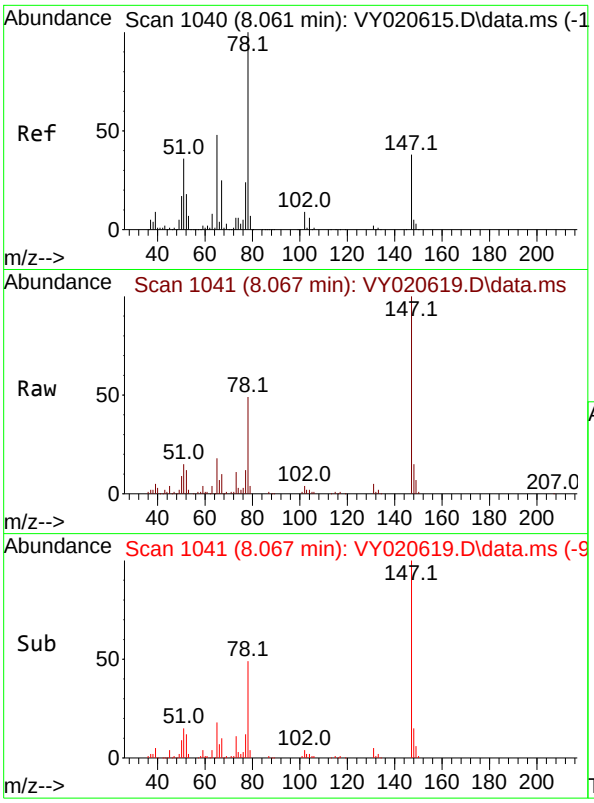


#32
1,1,1-Trichloroethane
Concen: 5.082 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 97 Resp: 20368

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	44.4	34.7	52.1



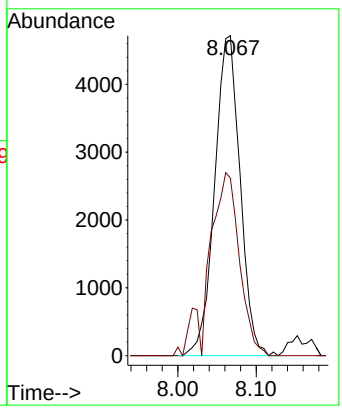


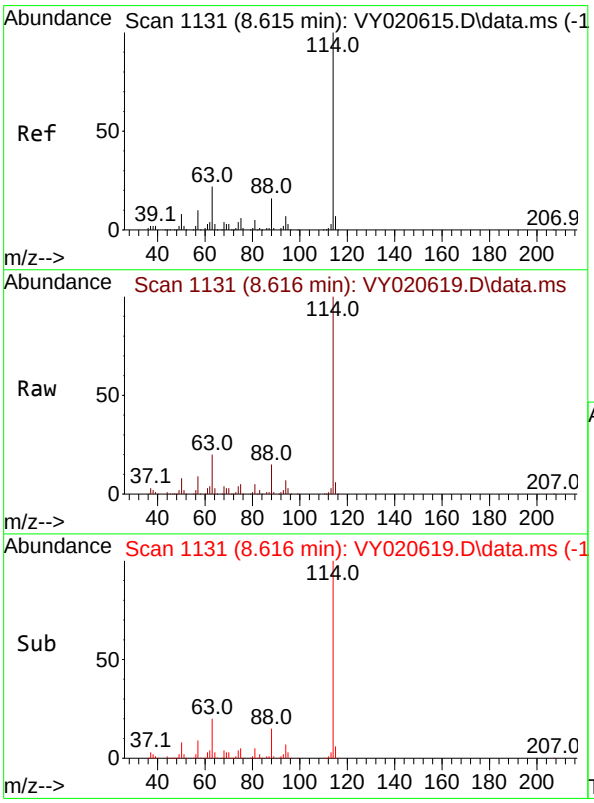
#33
1,2-Dichloroethane-d4
Concen: 5.810 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 10628

Ion	Ratio	Lower	Upper
65	100		
67	68.2	0.0	108.0

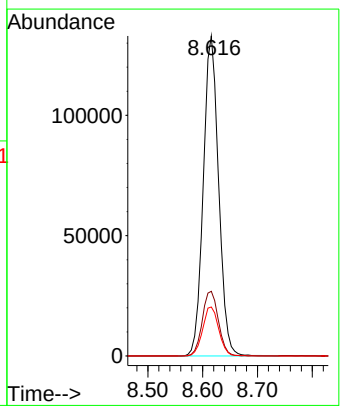


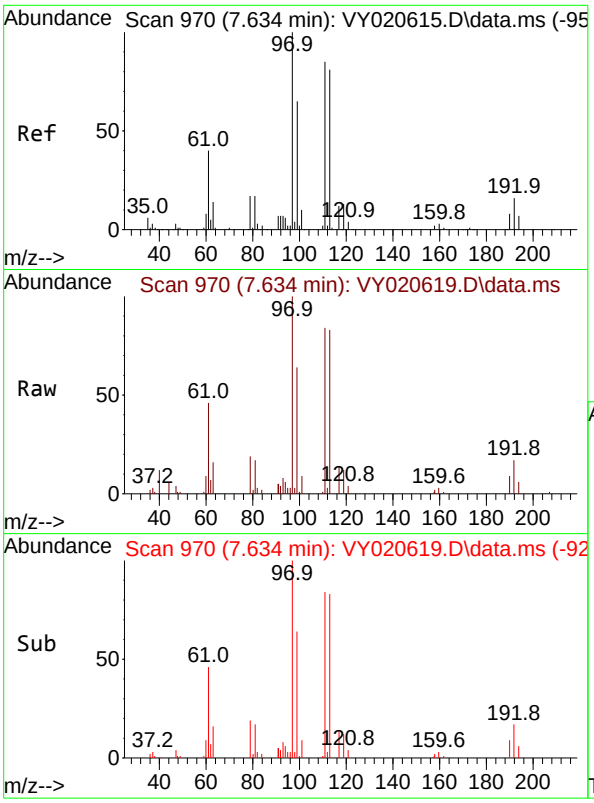


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:114 Resp: 257526

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	44.0
88	15.3	0.0	32.8



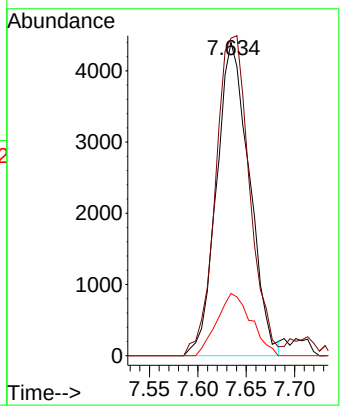


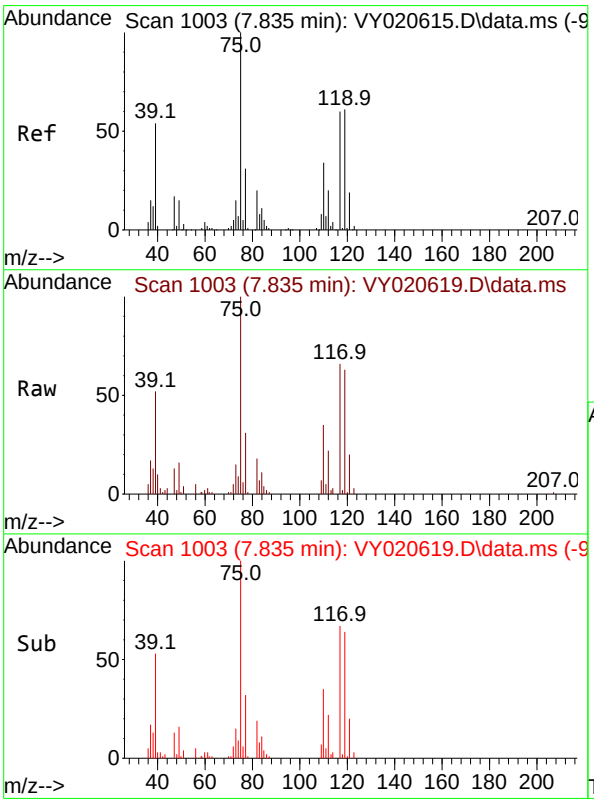
#35
Dibromofluoromethane
Concen: 5.726 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 10393

Ion	Ratio	Lower	Upper
113	100		
111	105.2	82.9	124.3
192	20.7	15.7	23.5

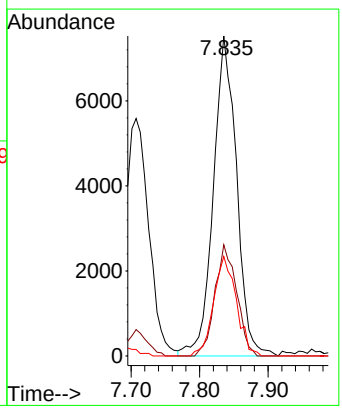


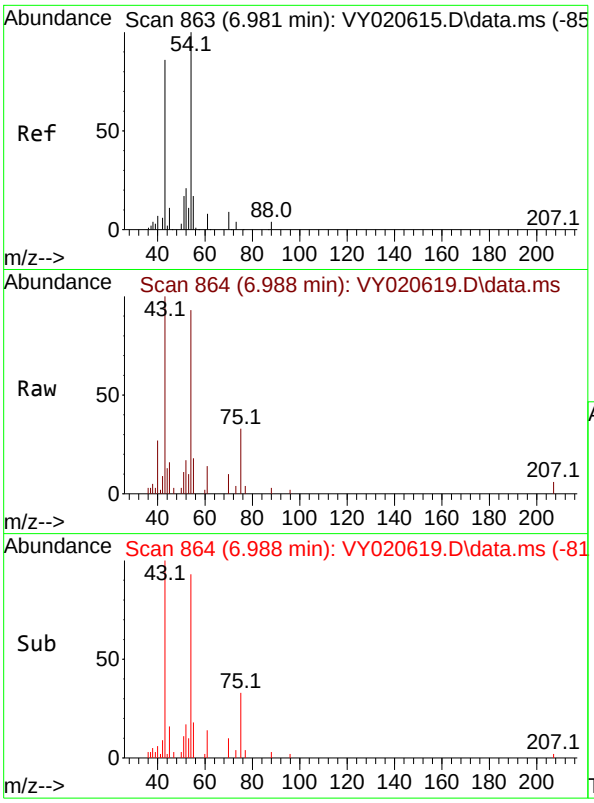


#36
1,1-Dichloropropene
Concen: 5.352 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 75 Resp: 17712

Ion	Ratio	Lower	Upper
75	100		
110	32.5	16.8	50.4
77	30.3	25.0	37.6



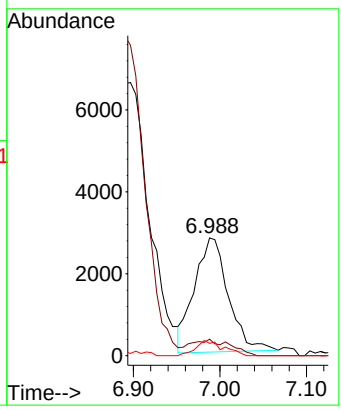


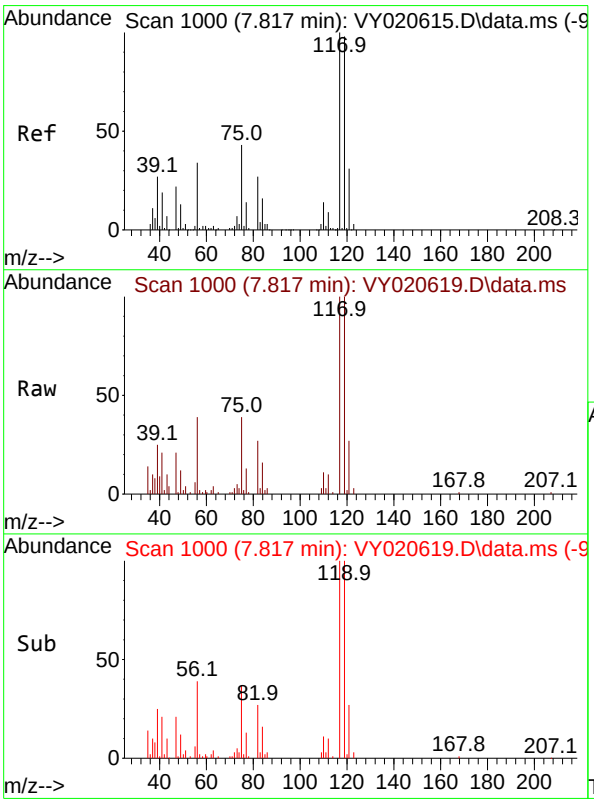
#37
Ethyl Acetate
Concen: 4.890 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 7613

Ion	Ratio	Lower	Upper
43	100		
61	16.0	11.0	16.4
70	10.7	7.9	11.9

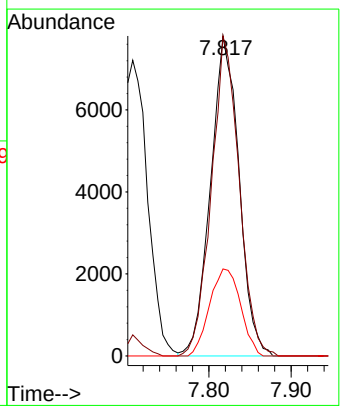


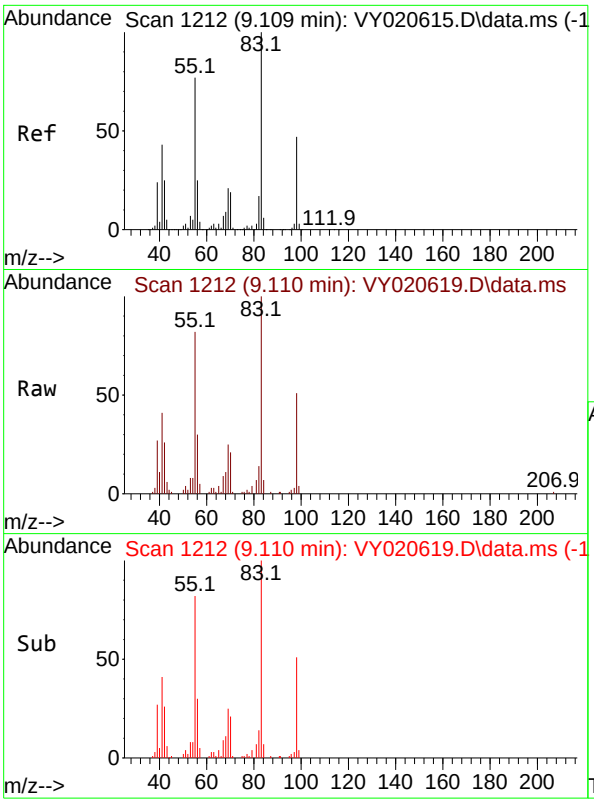


#38
Carbon Tetrachloride
Concen: 5.132 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:117 Resp: 18792

Ion	Ratio	Lower	Upper
117	100		
119	100.1	78.3	117.5
121	27.2	25.1	37.7



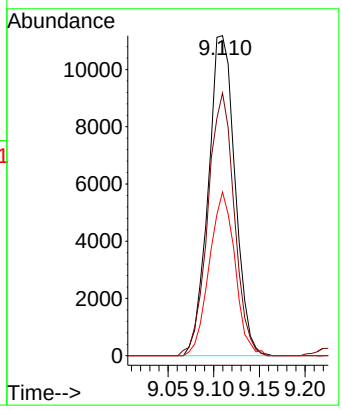


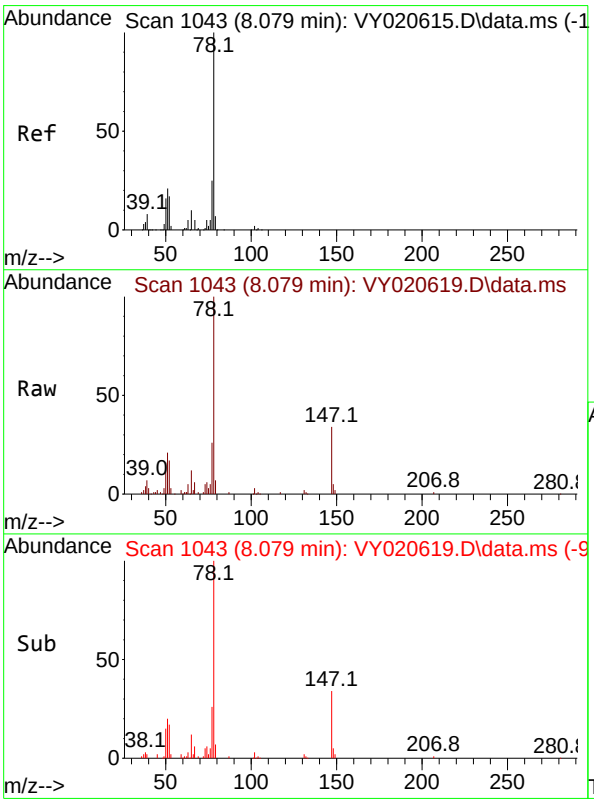
#39
Methylcyclohexane
Concen: 5.273 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 22745

Ion	Ratio	Lower	Upper
83	100		
55	82.1	61.4	92.0
98	51.2	37.3	55.9

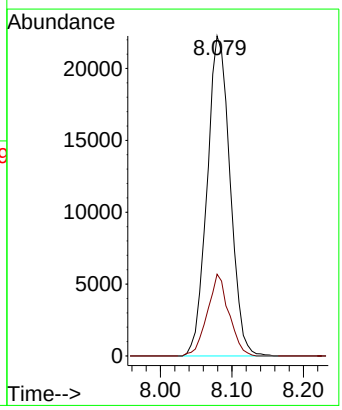


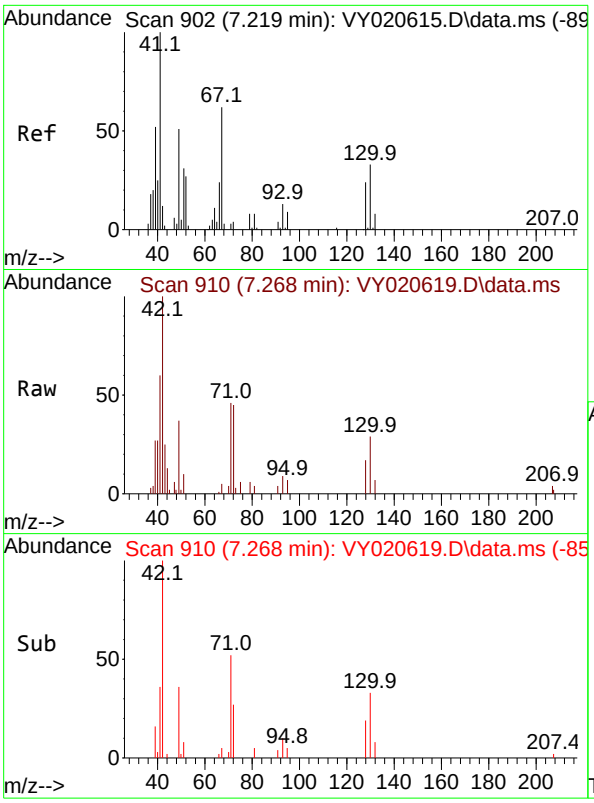


#40
Benzene
Concen: 5.117 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 78 Resp: 49636

Ion	Ratio	Lower	Upper
78	100		
77	25.6	20.1	30.1



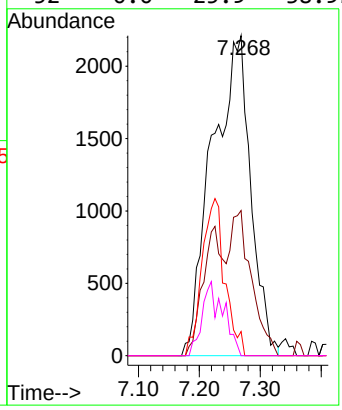


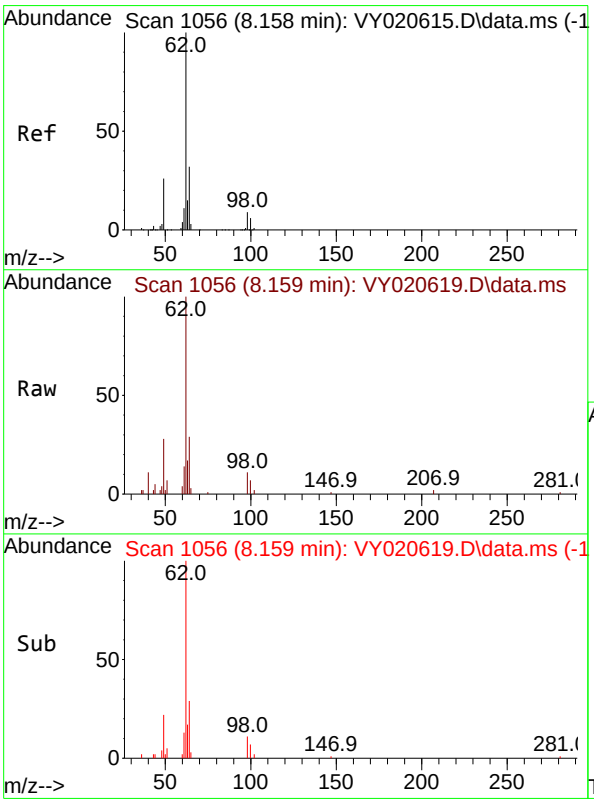
#41
Methacrylonitrile
Concen: 11.773 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.049 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 9689

Ion	Ratio	Lower	Upper
41	100		
39	25.1	53.6	80.4#
67	0.0	62.0	93.0#
52	0.0	25.9	38.9#

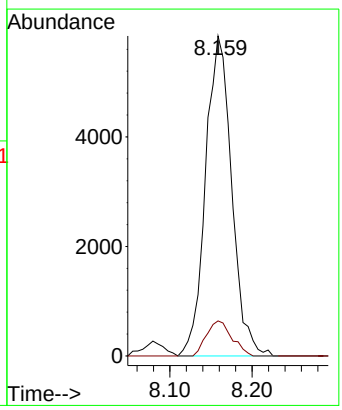


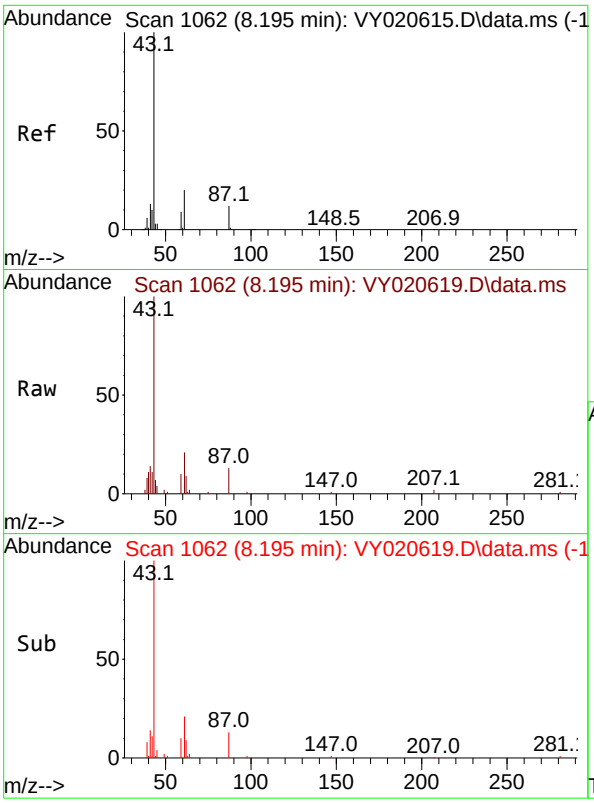


#42
1,2-Dichloroethane
Concen: 5.020 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 62 Resp: 12917

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	18.0



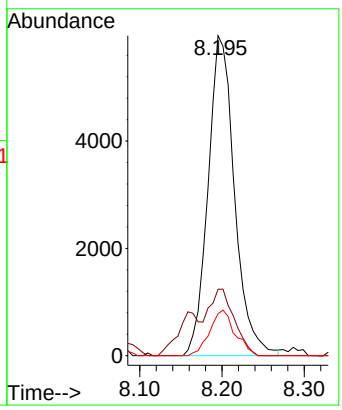


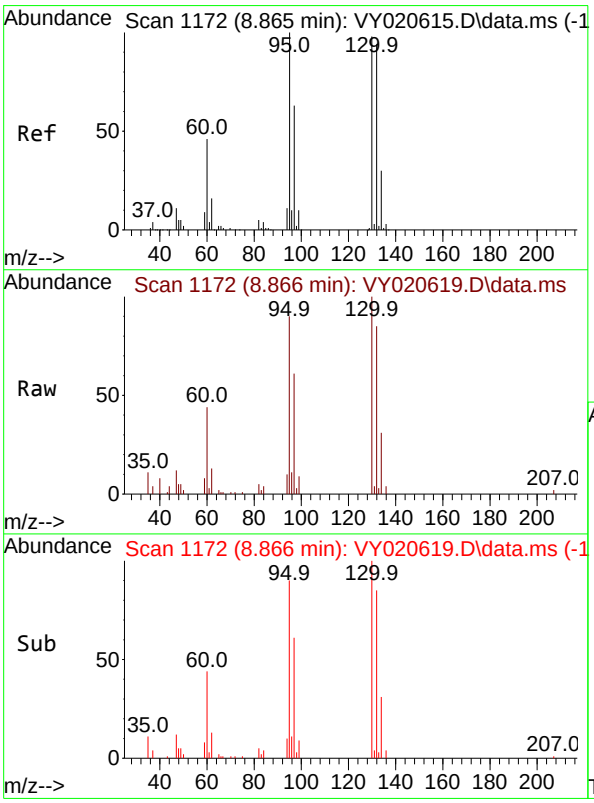
#43
Isopropyl Acetate
Concen: 4.533 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 13361

Ion	Ratio	Lower	Upper
43	100		
61	19.4	23.8	35.6#
87	13.6	10.2	15.4

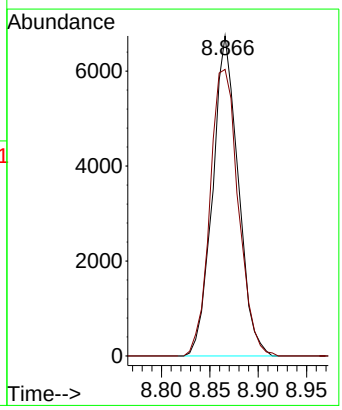


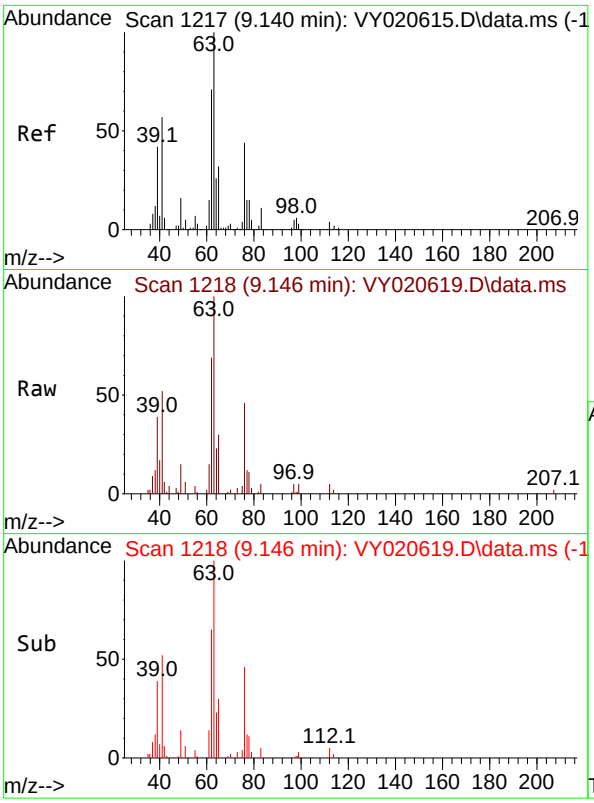


#44
Trichloroethene
Concen: 5.195 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:130 Resp: 12384

Ion	Ratio	Lower	Upper
130	100		
95	89.5	0.0	203.2



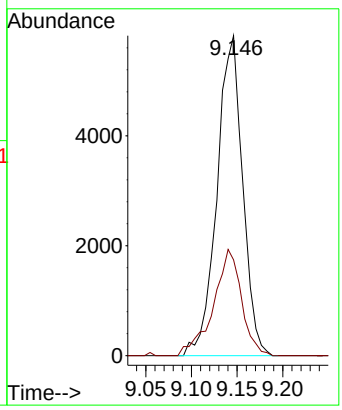


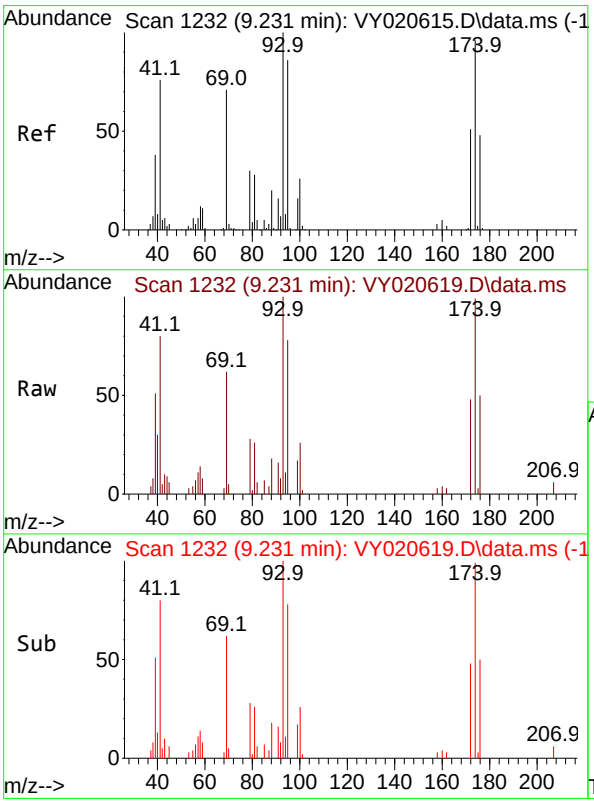
#45
1,2-Dichloropropane
Concen: 5.019 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 11378

Ion	Ratio	Lower	Upper
63	100		
65	30.0	25.9	38.9

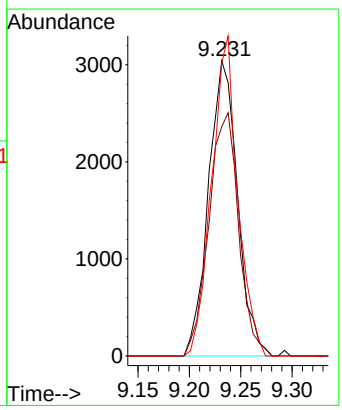


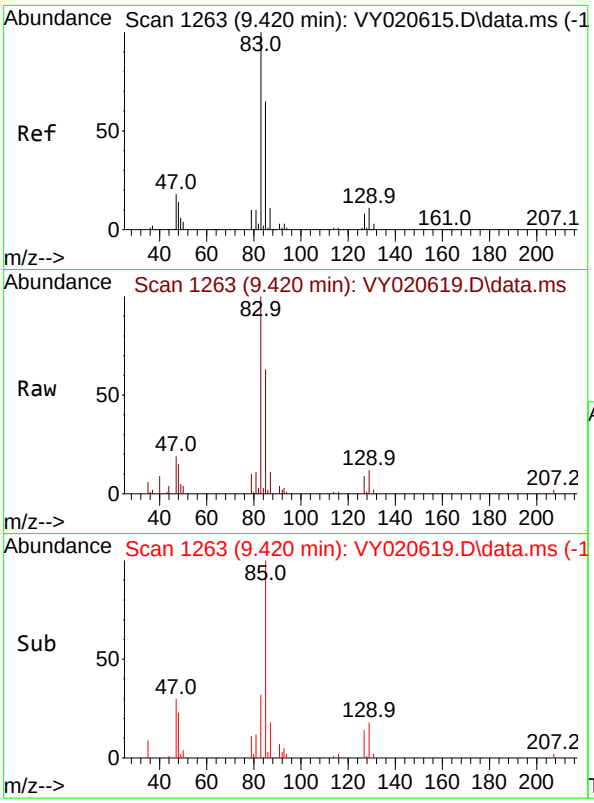


#46
Dibromomethane
Concen: 4.978 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 93 Resp: 5965

Ion	Ratio	Lower	Upper
93	100		
95	84.5	66.7	100.1
174	97.0	77.8	116.6



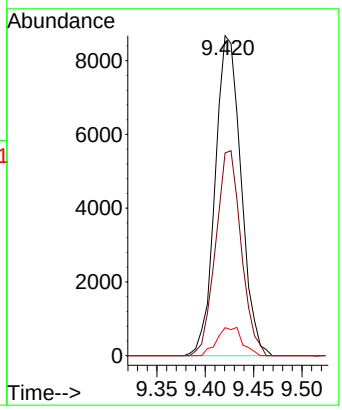


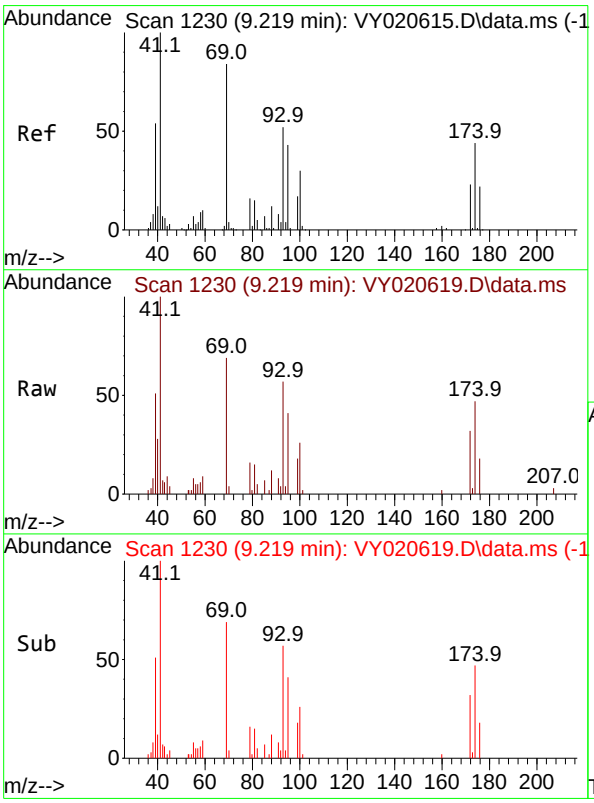
#47
Bromodichloromethane
Concen: 4.979 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 16115

Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.1	78.1
127	8.7	6.7	10.1

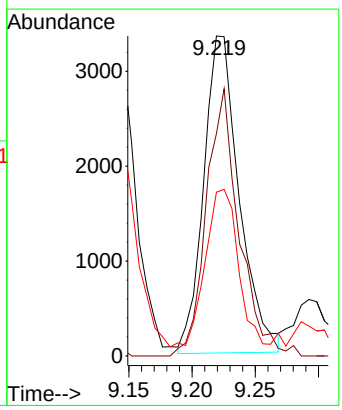


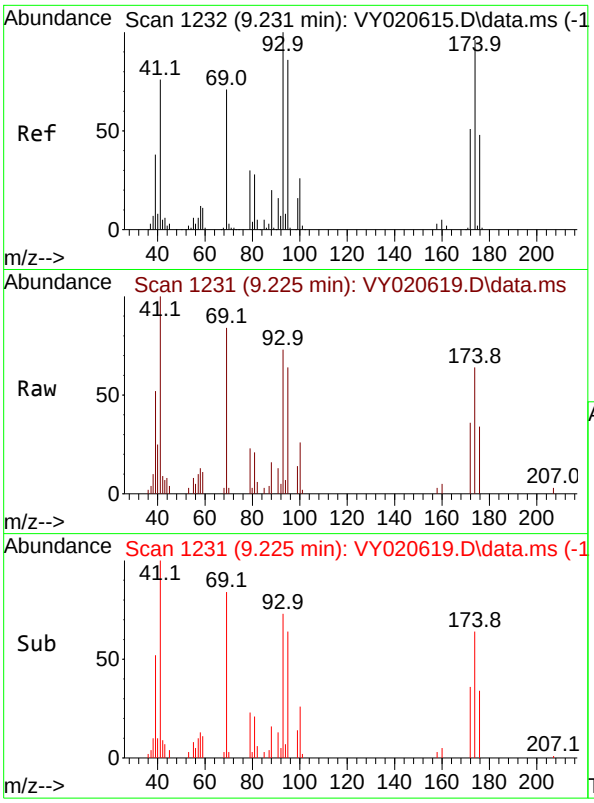


#48
Methyl methacrylate
Concen: 4.671 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 41 Resp: 6545

Ion	Ratio	Lower	Upper
41	100		
69	77.6	67.2	100.8
39	47.3	42.2	63.4



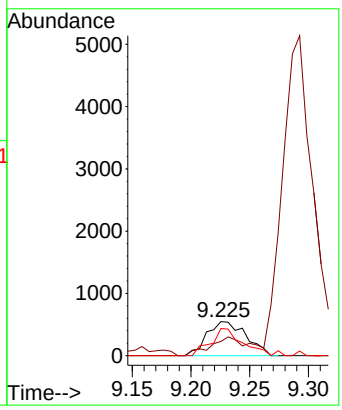


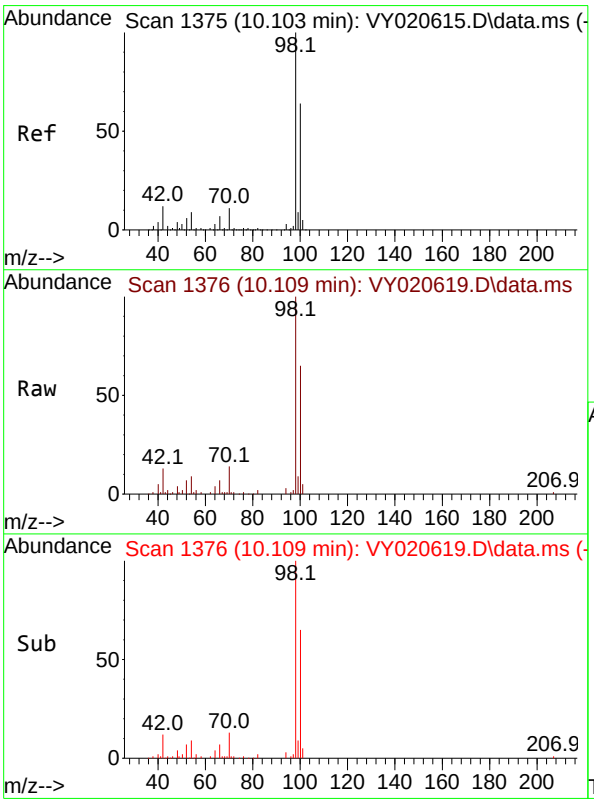
#49
1,4-Dioxane
Concen: 92.278 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 1268

Ion	Ratio	Lower	Upper
88	100		
43	51.4	27.6	41.4#
58	66.2	61.7	92.5

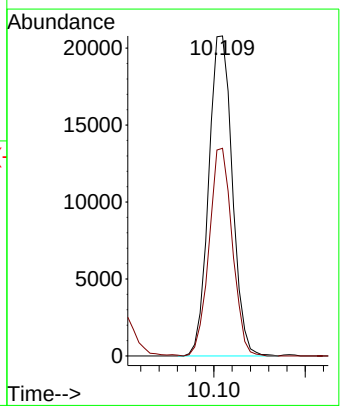


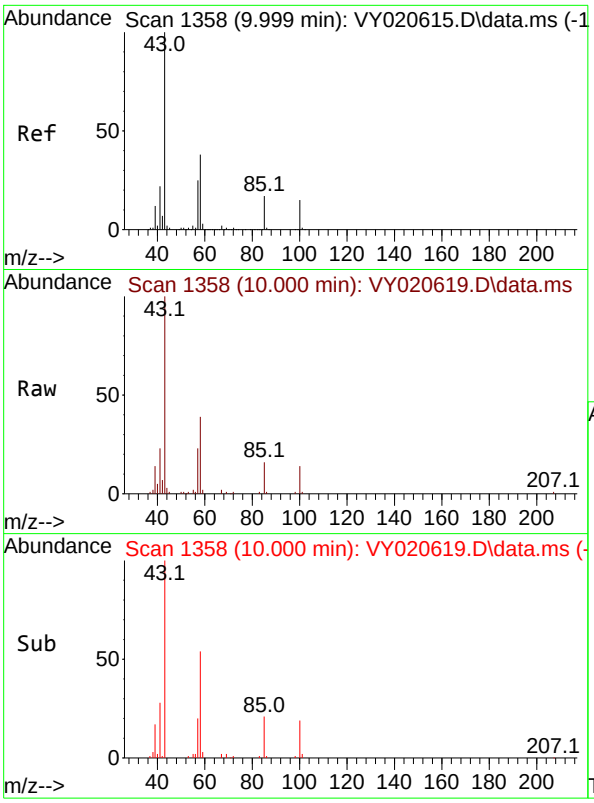


#50
Toluene-d8
Concen: 5.858 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 98 Resp: 37211

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.1	78.1



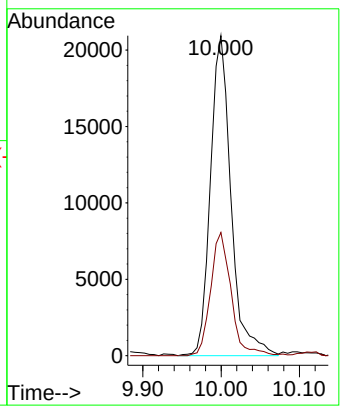


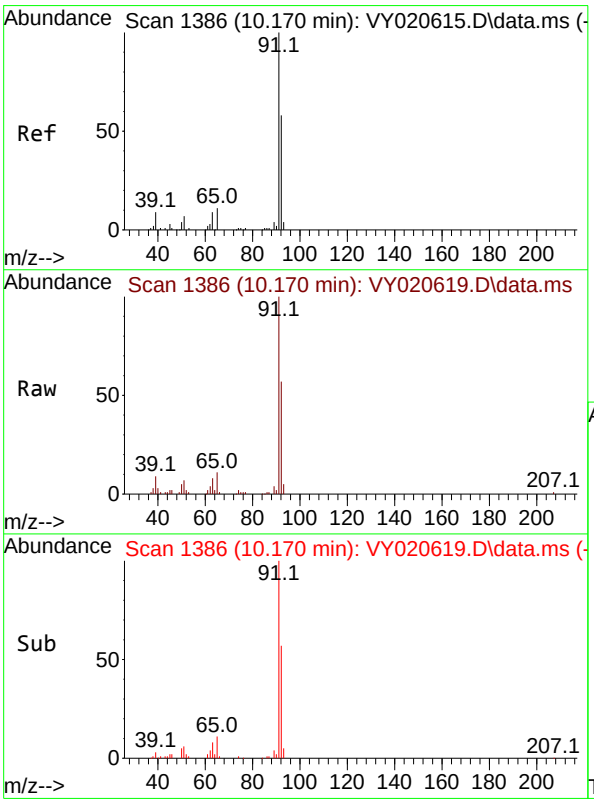
#51
4-Methyl-2-Pentanone
Concen: 24.607 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 38280

Ion	Ratio	Lower	Upper
43	100		
58	38.3	31.4	47.2

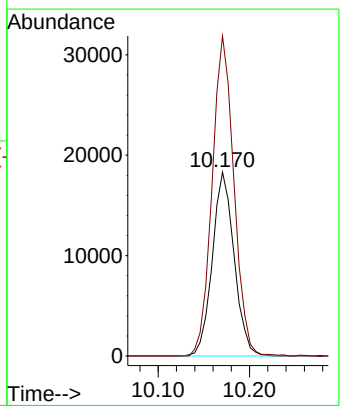


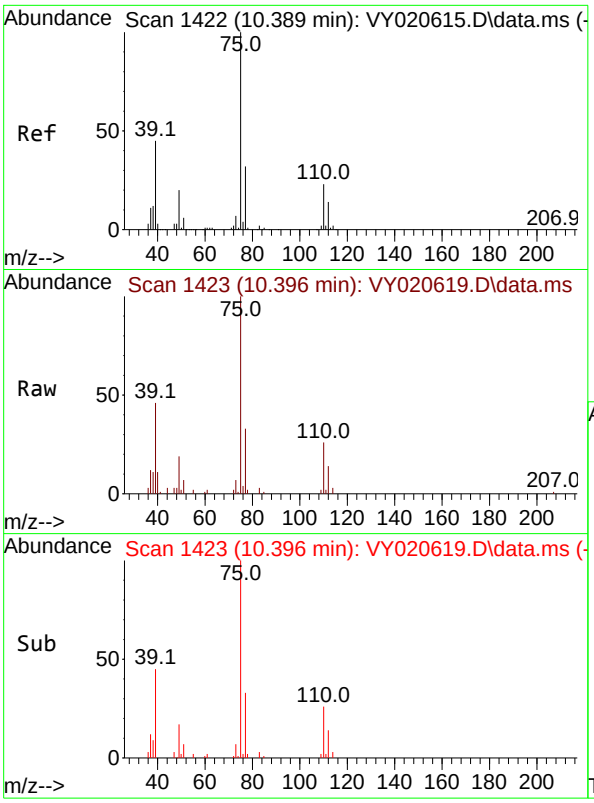


#52
Toluene
Concen: 5.025 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 92 Resp: 30294

Ion	Ratio	Lower	Upper
92	100		
91	174.2	137.4	206.0



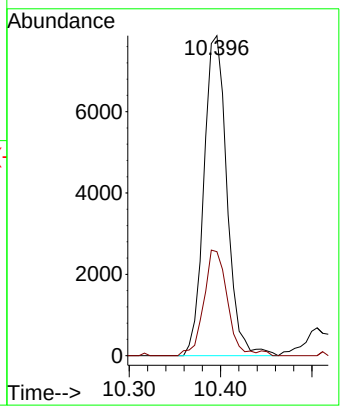


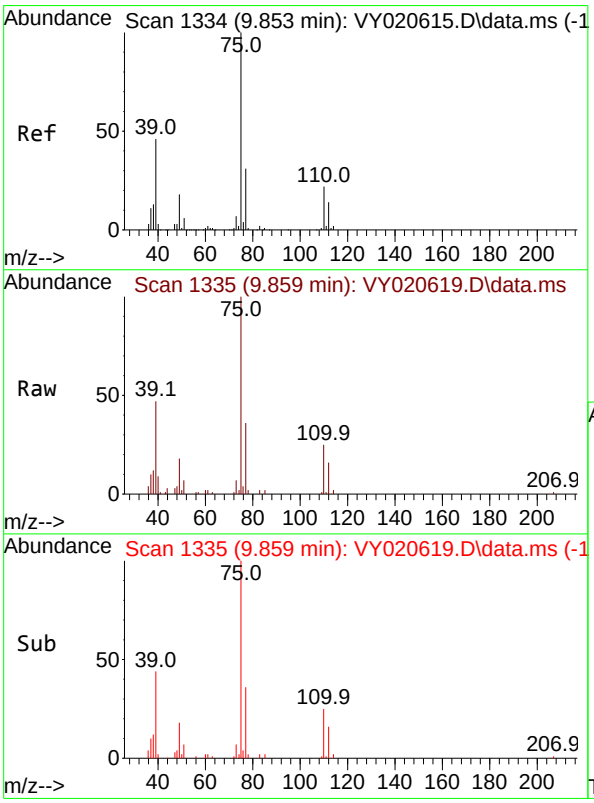
#53
t-1,3-Dichloropropene
Concen: 4.558 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 13747

Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.4	38.2

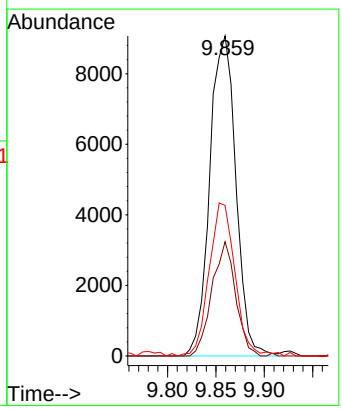


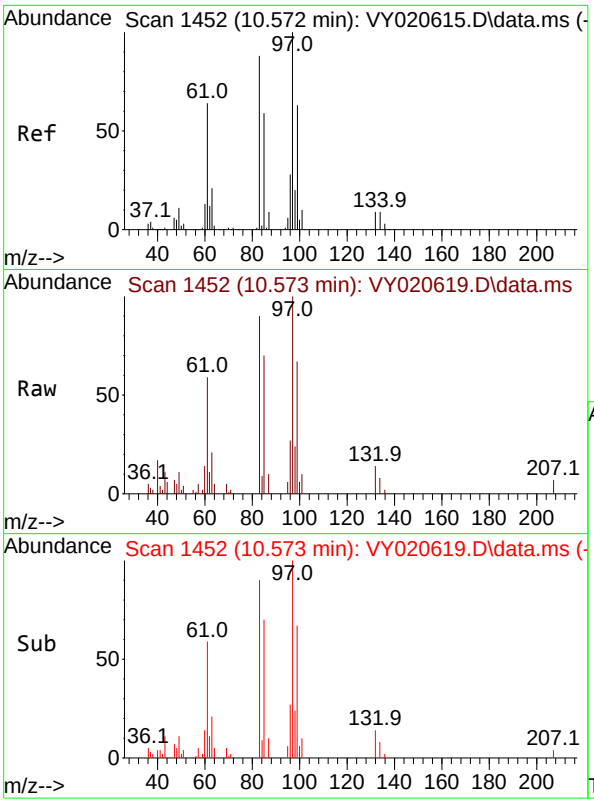


#54
cis-1,3-Dichloropropene
Concen: 4.764 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 75 Resp: 17025

Ion	Ratio	Lower	Upper
75	100		
77	35.7	24.6	36.8
39	47.1	36.4	54.6



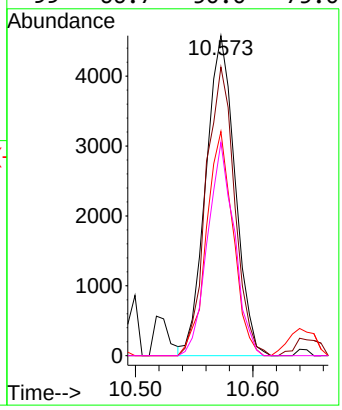


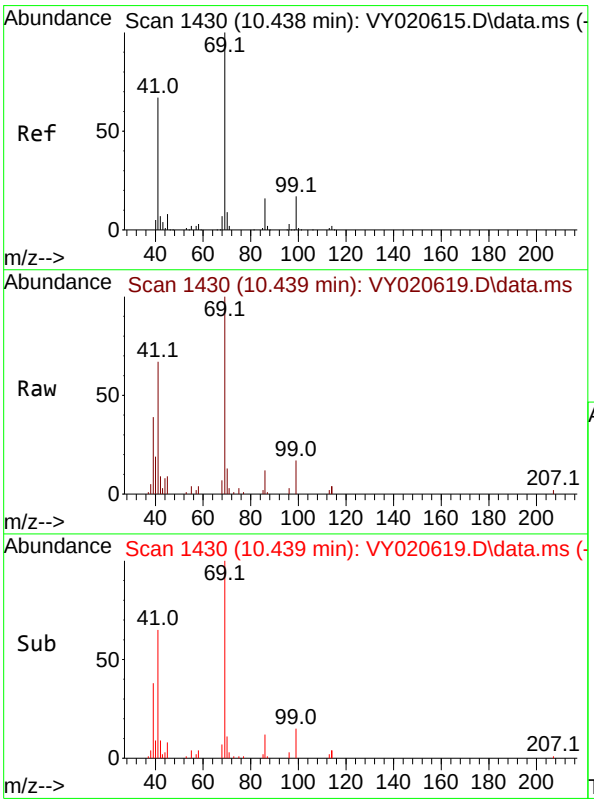
#55
1,1,2-Trichloroethane
Concen: 5.009 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 7935

Ion	Ratio	Lower	Upper
97	100		
83	90.2	70.4	105.6
85	70.1	47.2	70.8
99	66.7	50.0	75.0

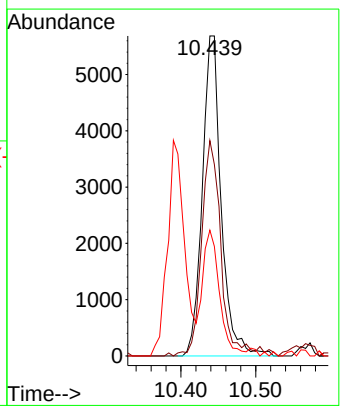


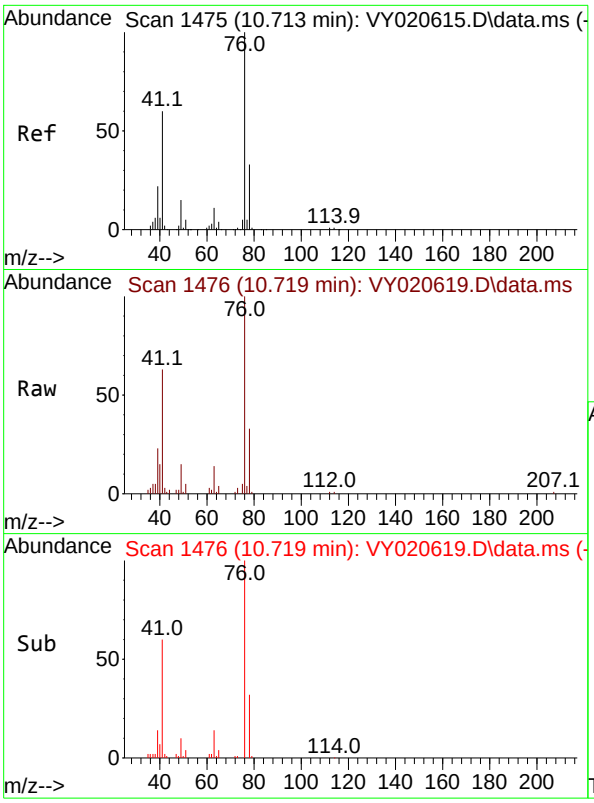


#56
Ethyl methacrylate
Concen: 4.351 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 69 Resp: 10000

Ion	Ratio	Lower	Upper
69	100		
41	67.9	54.0	81.0
39	32.8	27.9	41.9



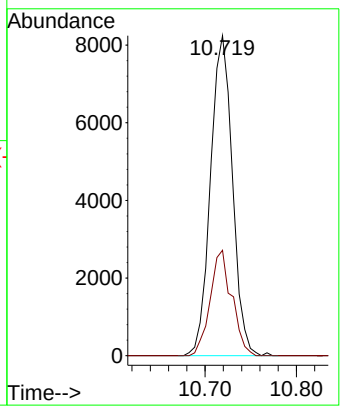


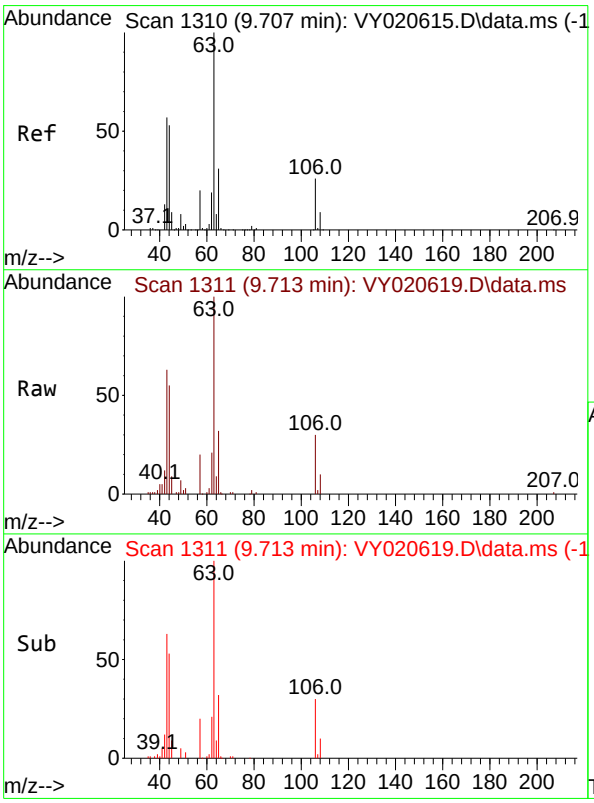
#57
1,3-Dichloropropane
Concen: 4.870 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 13754

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8

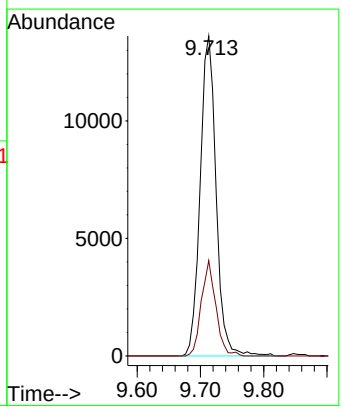


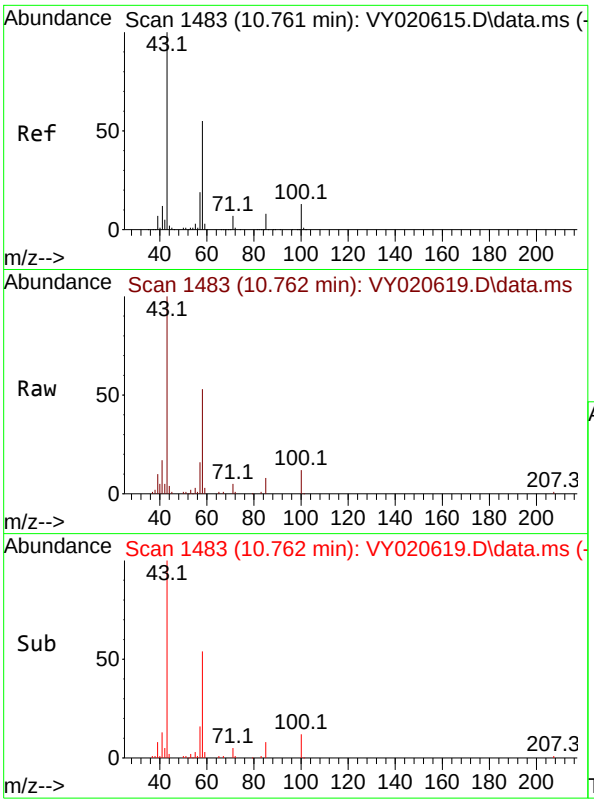


#58
2-Chloroethyl Vinyl ether
Concen: 24.686 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 63 Resp: 23872

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.5	32.3



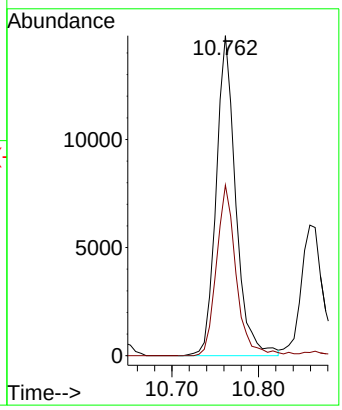


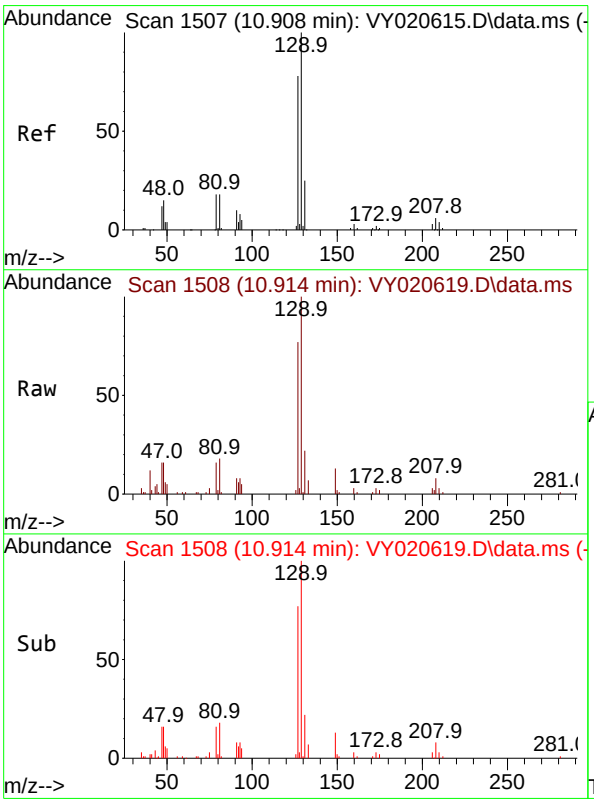
#59
2-Hexanone
Concen: 23.192 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 23164

Ion	Ratio	Lower	Upper
43	100		
58	53.5	27.2	81.6

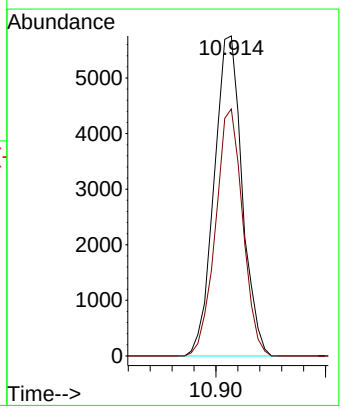


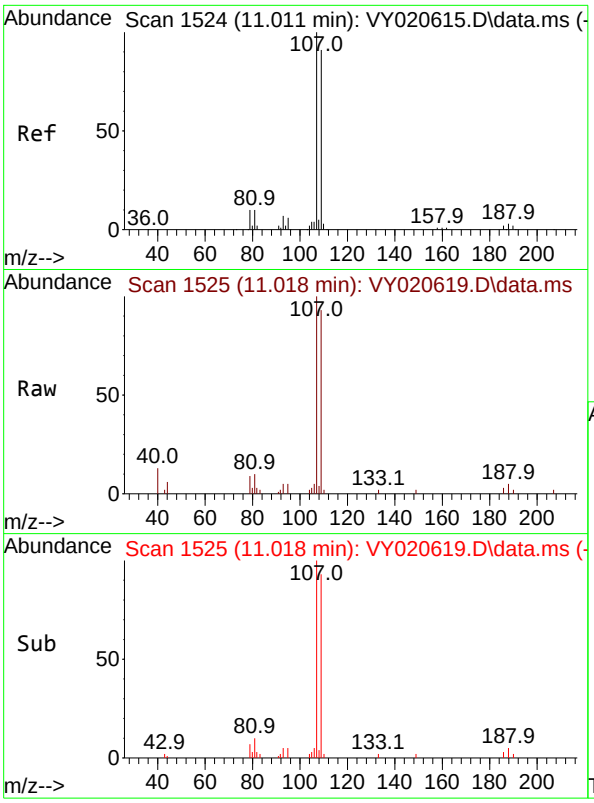


#60
Dibromochloromethane
Concen: 4.818 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:129 Resp: 10207

Ion	Ratio	Lower	Upper
129	100		
127	74.9	38.1	114.3



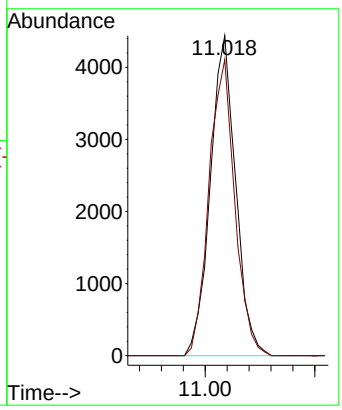


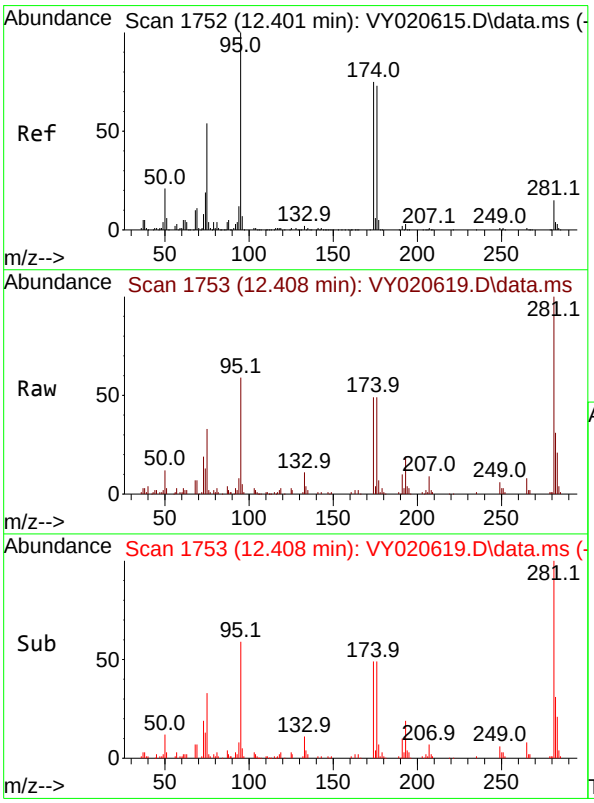
#61
1,2-Dibromoethane
Concen: 4.847 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 7143

Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.4	113.2

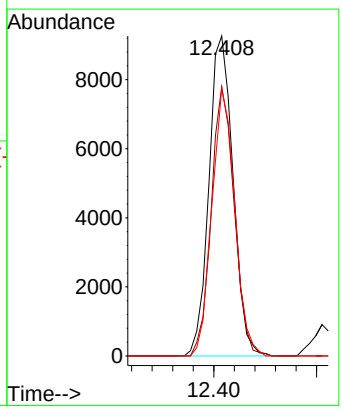


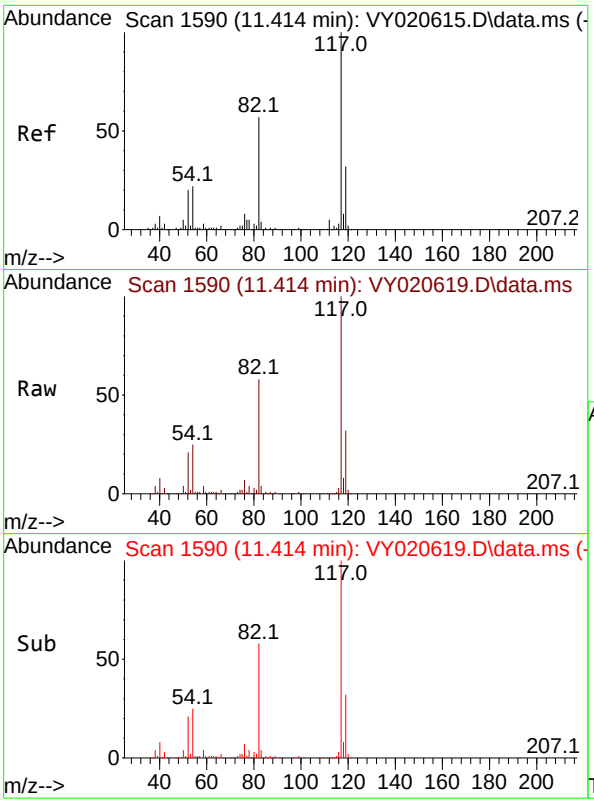


#62
4-Bromofluorobenzene
Concen: 6.066 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 95 Resp: 15073

Ion	Ratio	Lower	Upper
95	100		
174	80.0	0.0	161.8
176	79.5	0.0	156.6



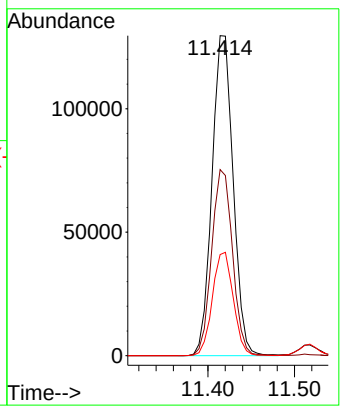


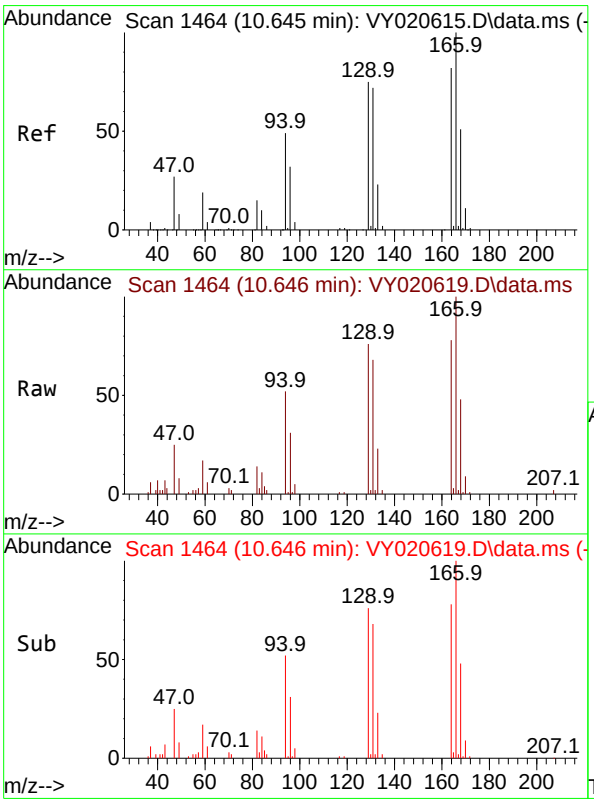
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 219786

Ion	Ratio	Lower	Upper
117	100		
82	58.1	45.8	68.6
119	31.6	25.3	37.9

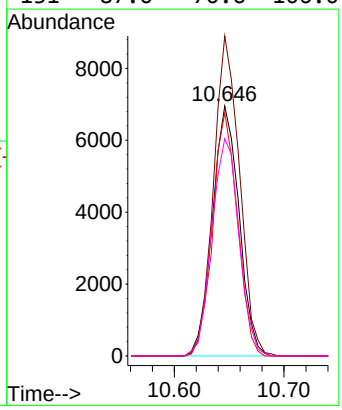


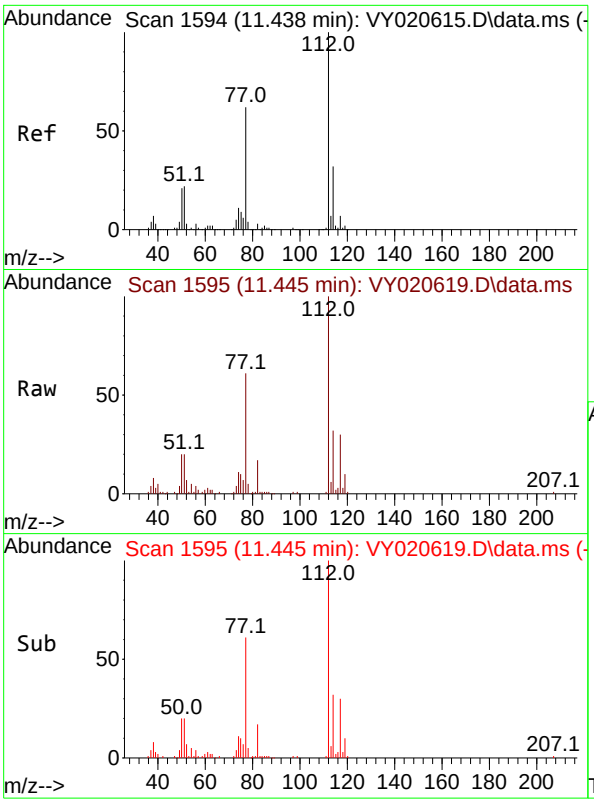


#64
Tetrachloroethene
Concen: 5.663 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:164 Resp: 11707

Ion	Ratio	Lower	Upper
164	100		
166	128.0	97.9	146.9
129	97.3	73.4	110.0
131	87.0	70.6	106.0



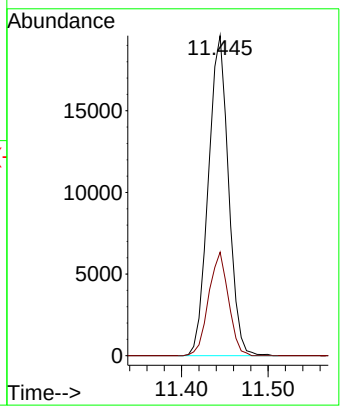


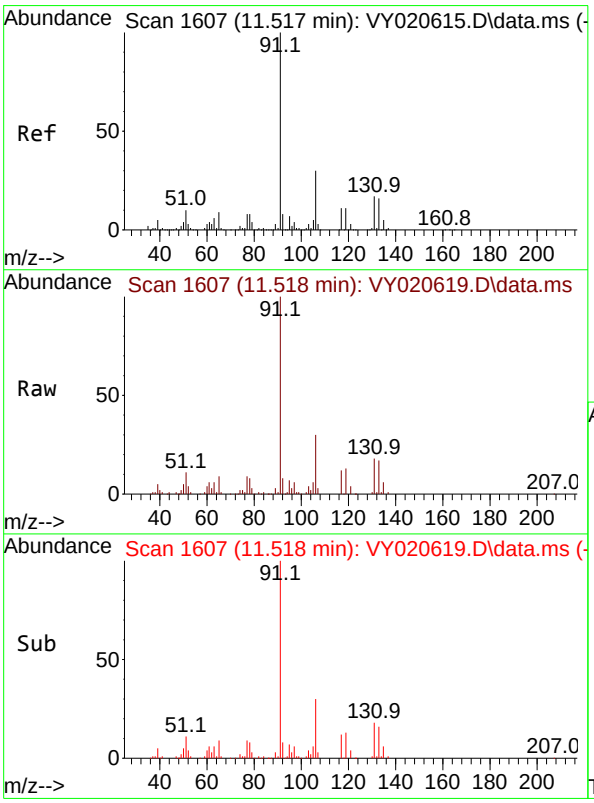
#65
Chlorobenzene
Concen: 5.154 ug/l
RT: 11.445 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 31674

Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.0	39.0

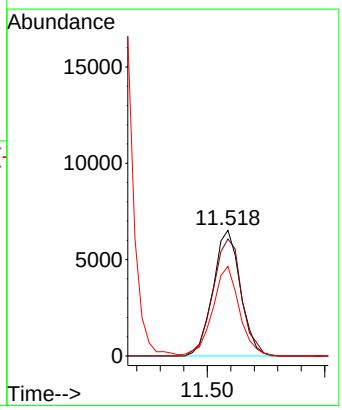


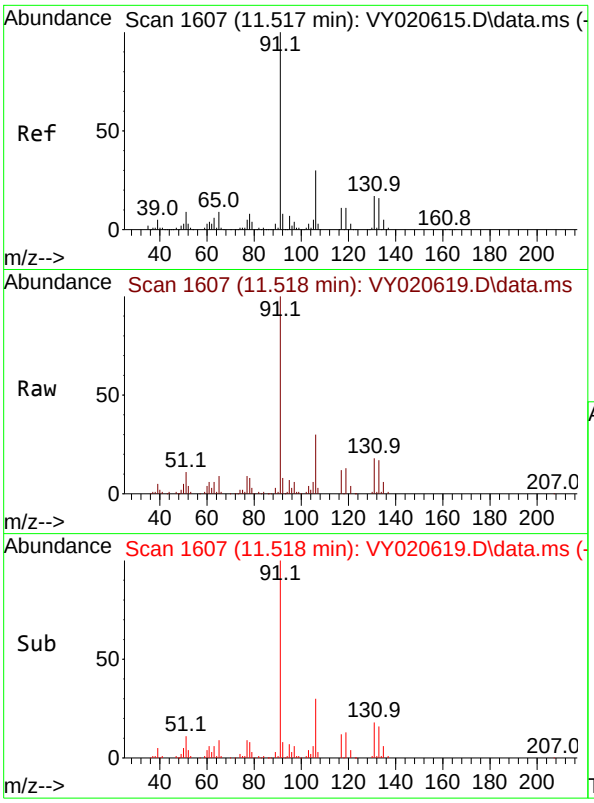


#66
1,1,1,2-Tetrachloroethane
Concen: 5.009 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:131 Resp: 10526

Ion	Ratio	Lower	Upper
131	100		
133	97.9	46.8	140.3
119	69.6	31.8	95.3



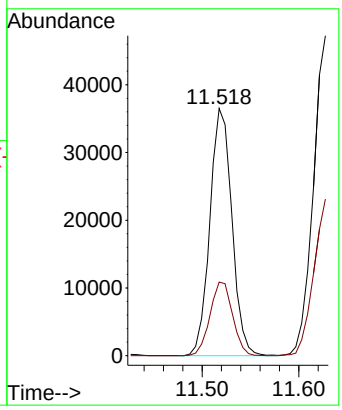


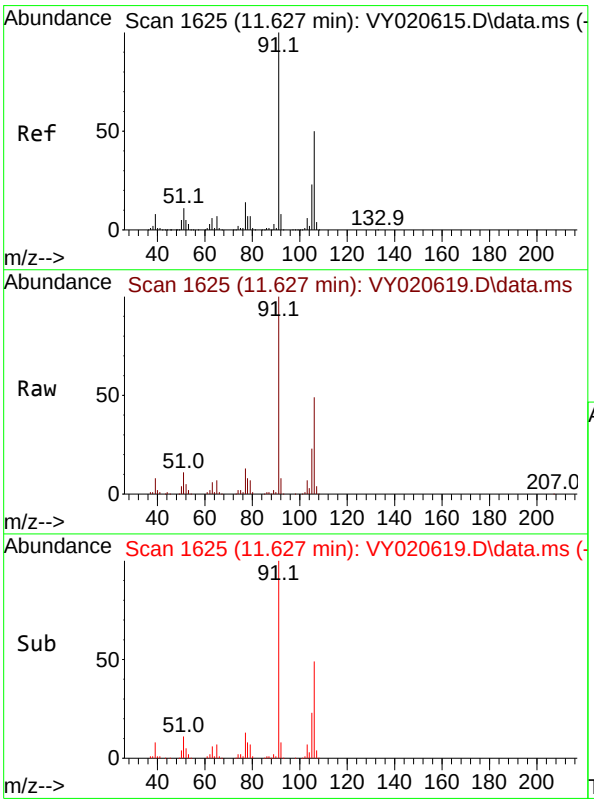
#67
Ethyl Benzene
Concen: 5.103 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 57861

Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.9	35.9

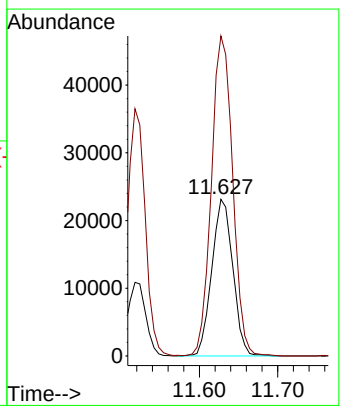


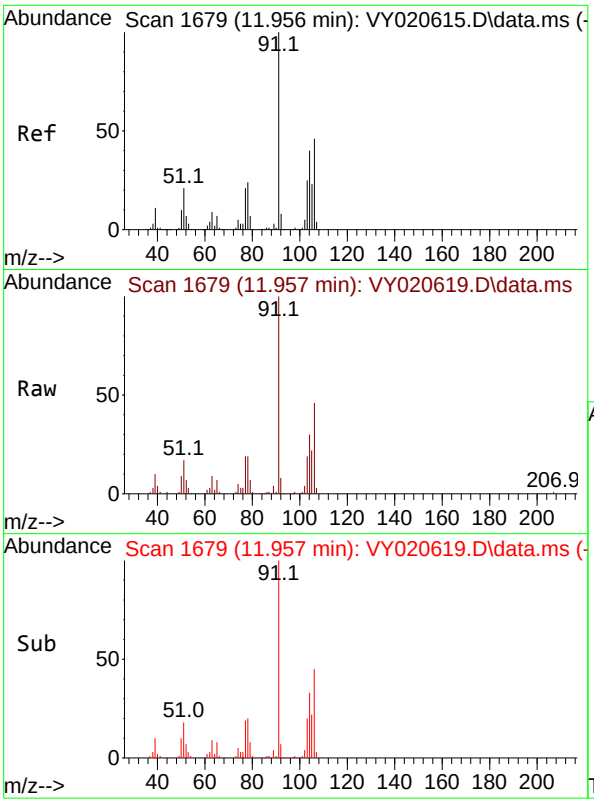


#68
m/p-Xylenes
Concen: 10.262 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:106 Resp: 43257

Ion	Ratio	Lower	Upper
106	100		
91	206.6	165.0	247.4



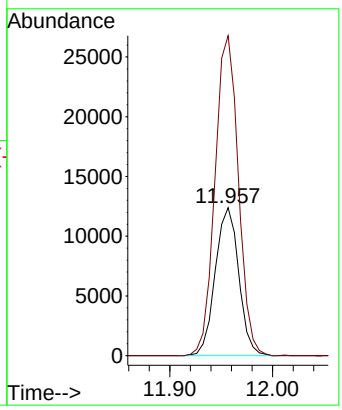


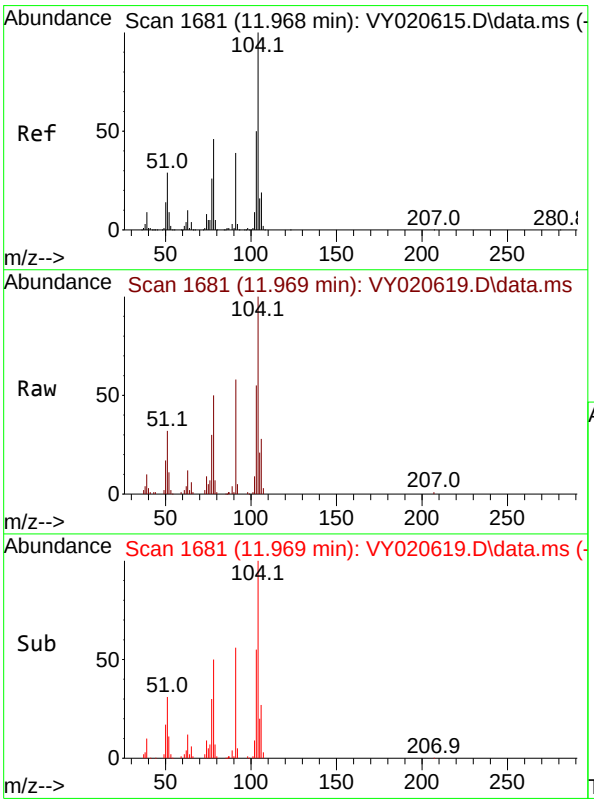
#69
o-Xylene
Concen: 4.993 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 19639

Ion	Ratio	Lower	Upper
106	100		
91	215.2	108.4	325.2

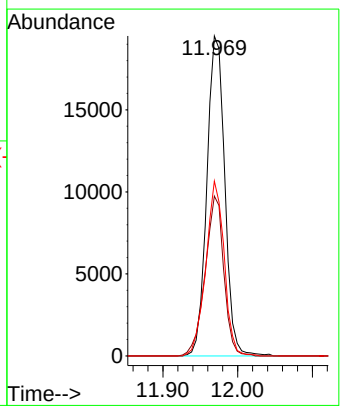


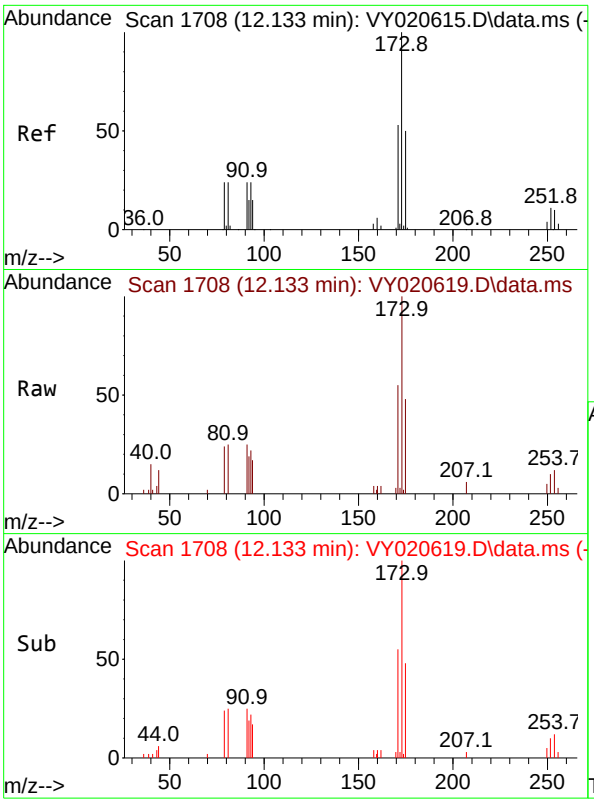


#70
Styrene
Concen: 4.945 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:104 Resp: 32495

Ion	Ratio	Lower	Upper
104	100		
78	52.0	41.6	62.4
103	55.9	43.7	65.5



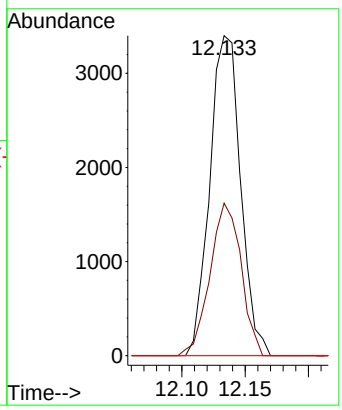


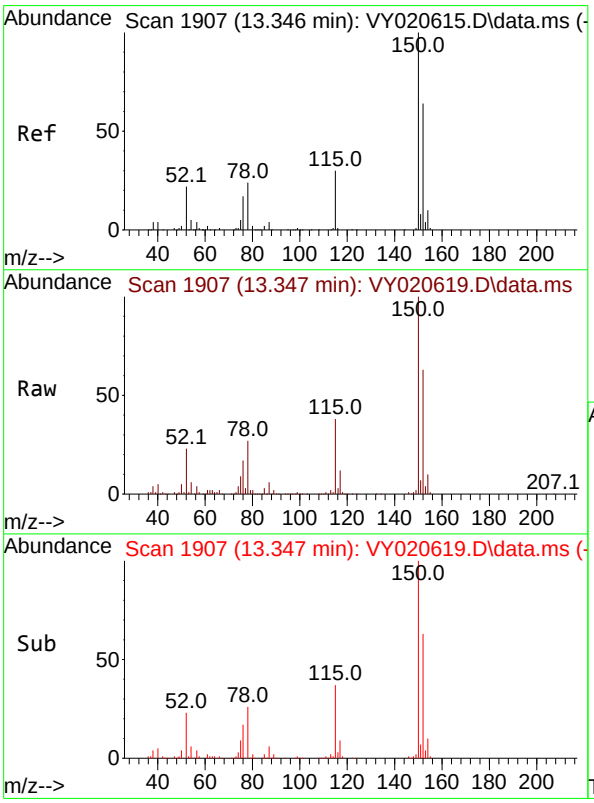
#71
Bromoform
Concen: 4.877 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 5762

Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.6	74.0
254	0.0	0.0	0.0

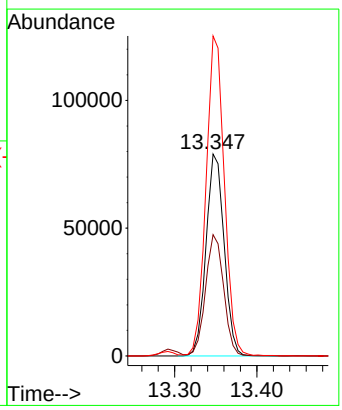


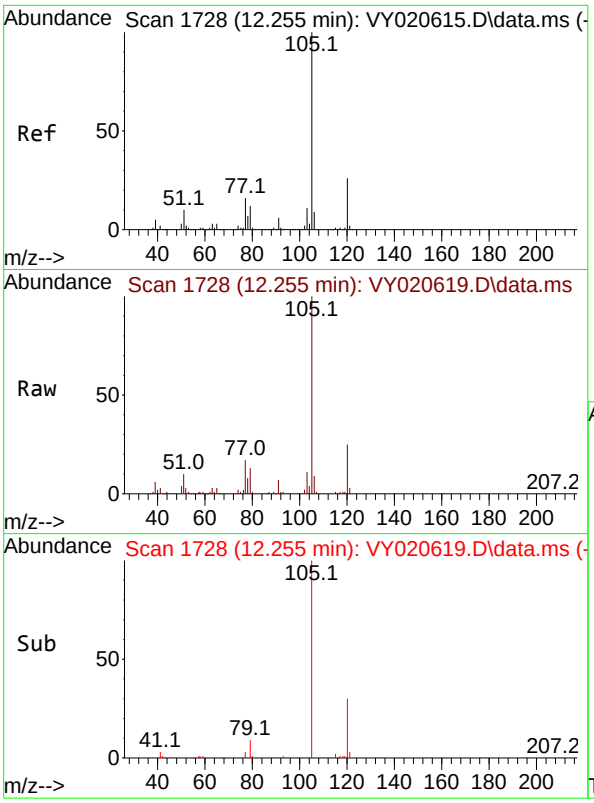


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:152 Resp: 120870

Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.2	90.6
150	160.3	0.0	355.4



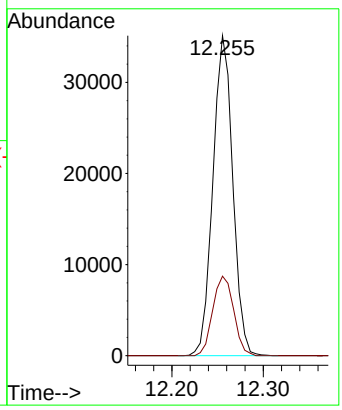


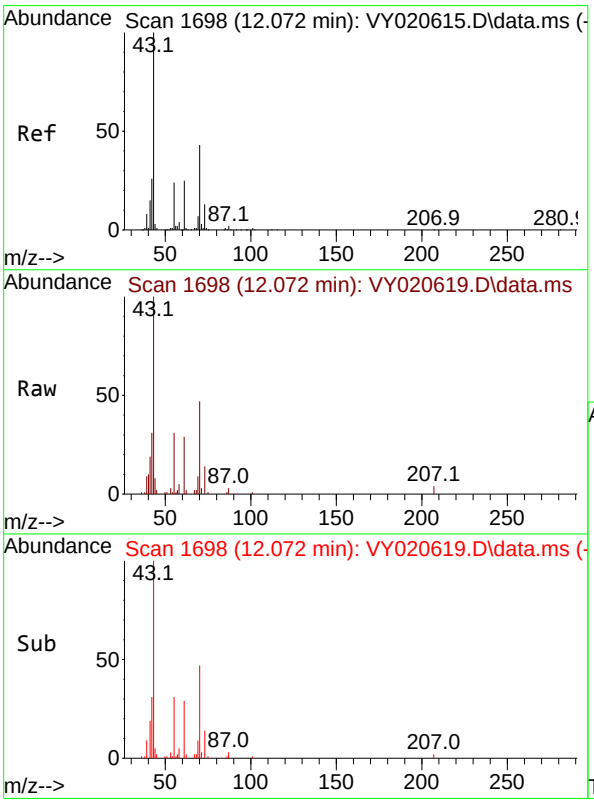
#73
Isopropylbenzene
Concen: 5.043 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 53196

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.1	39.1

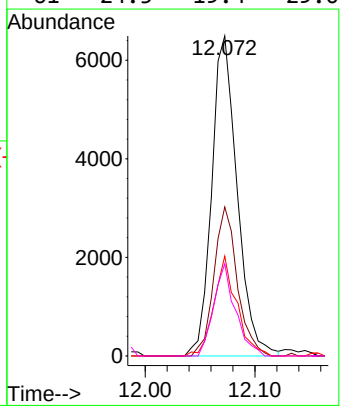


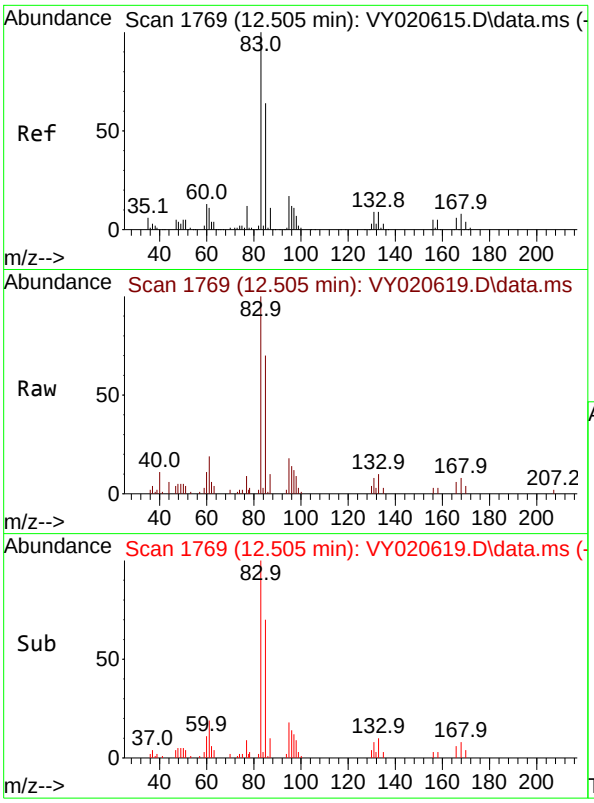


#74
N-amyl acetate
Concen: 4.245 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 43 Resp: 10480

Ion	Ratio	Lower	Upper
43	100		
70	42.8	34.2	51.2
55	27.8	19.6	29.4
61	24.5	19.4	29.0



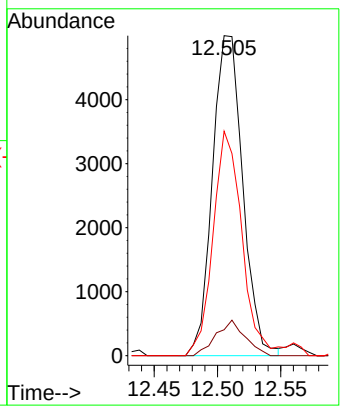


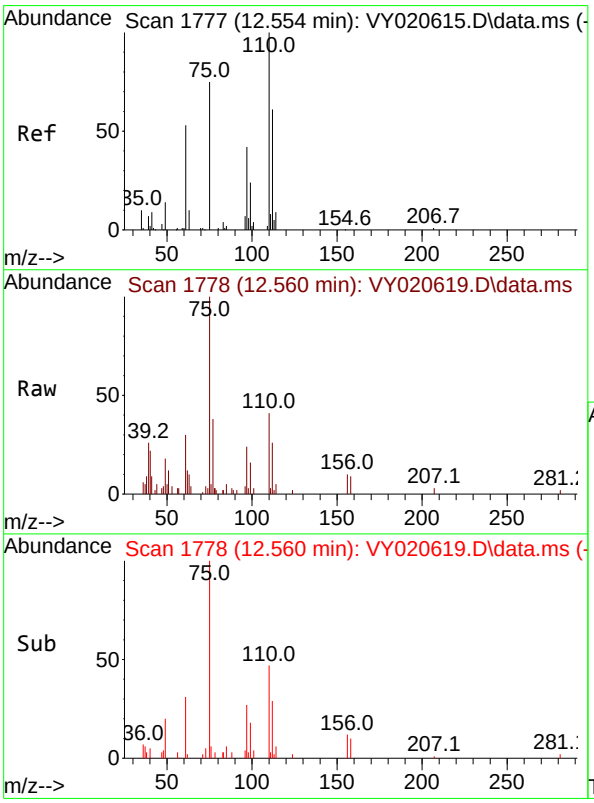
#75
1,1,2,2-Tetrachloroethane
Concen: 4.866 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 8331

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.2	15.6
85	67.3	32.5	97.4

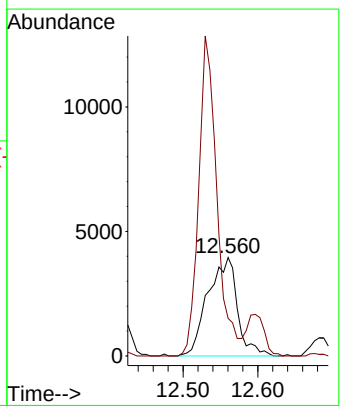


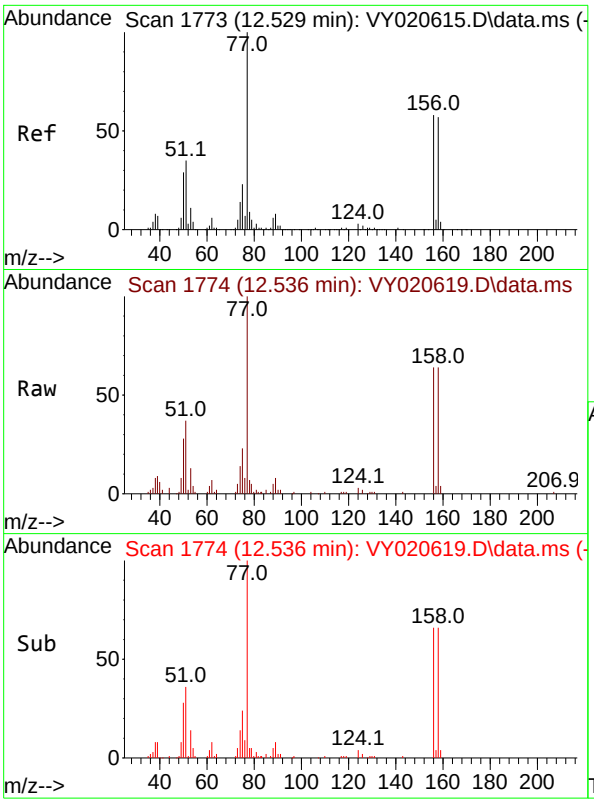


#76
1,2,3-Trichloropropane
Concen: 8.690 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 75 Resp: 10818

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



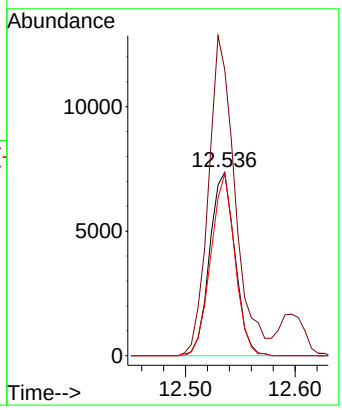


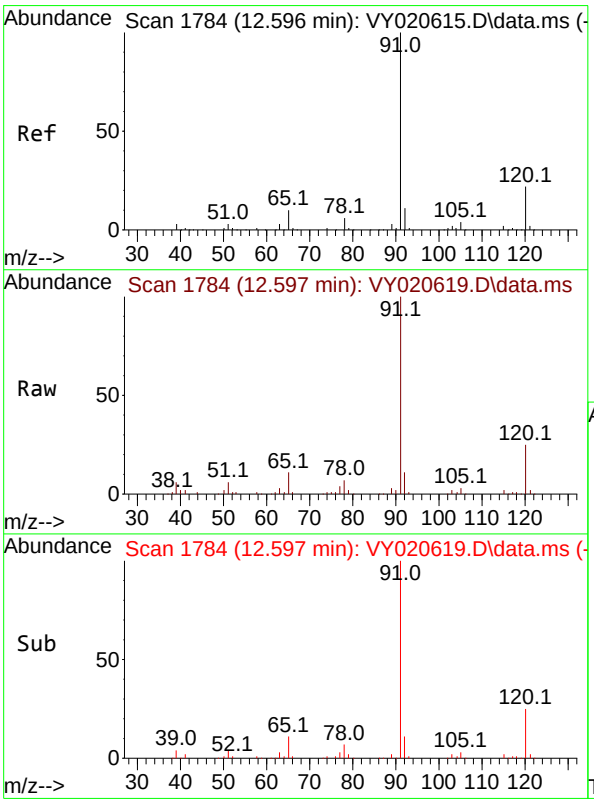
#77
Bromobenzene
Concen: 5.124 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 11774

Ion	Ratio	Lower	Upper
156	100		
77	185.9	94.2	282.4
158	94.9	48.9	146.6

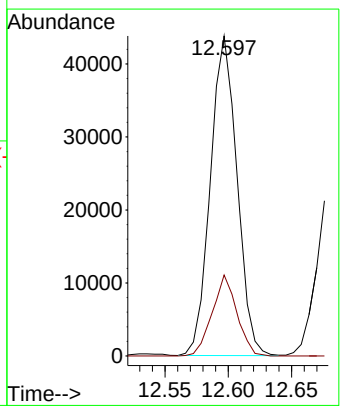


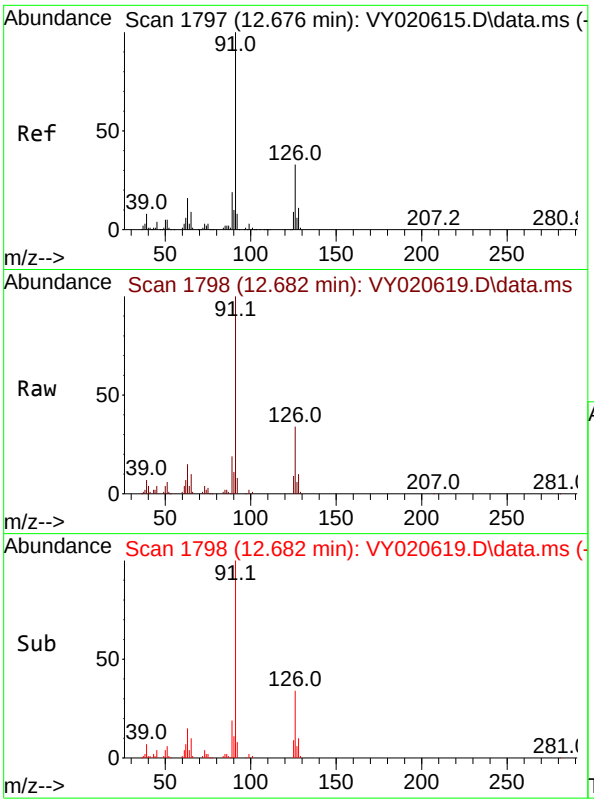


#78
n-propylbenzene
Concen: 5.047 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 91 Resp: 64140

Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.1	33.1



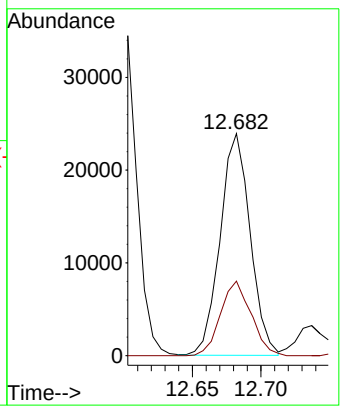


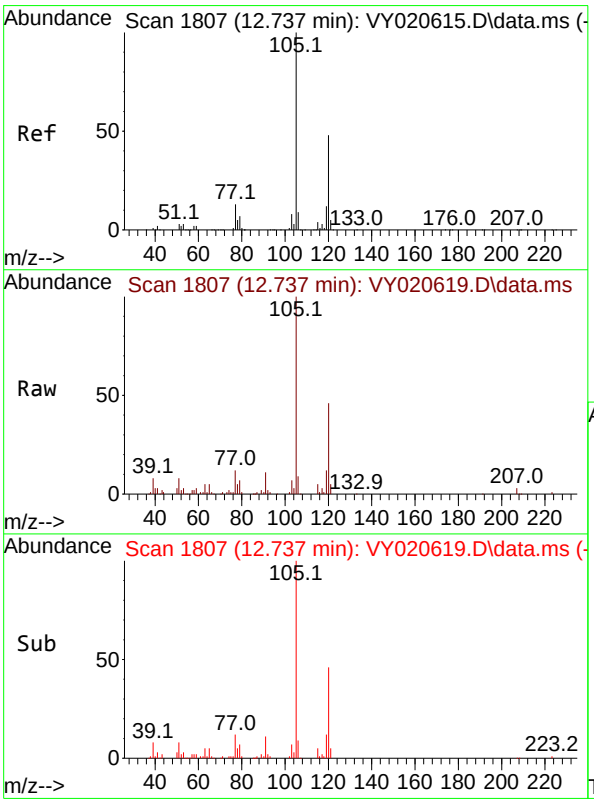
#79
2-Chlorotoluene
Concen: 5.106 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 36508

Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.6	49.7

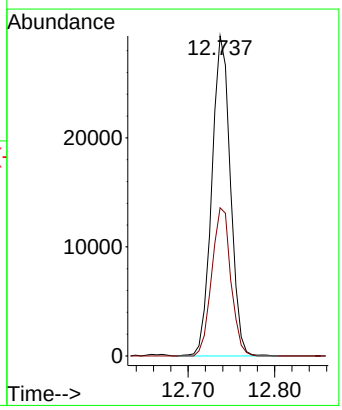


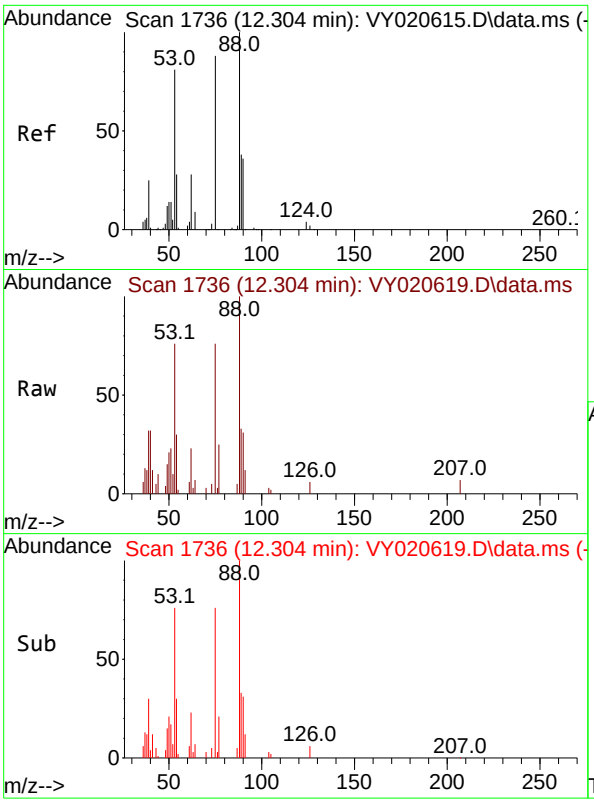


#80
1,3,5-Trimethylbenzene
Concen: 5.107 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:105 Resp: 43711

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.9	71.7



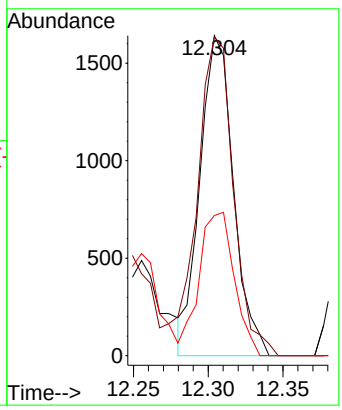


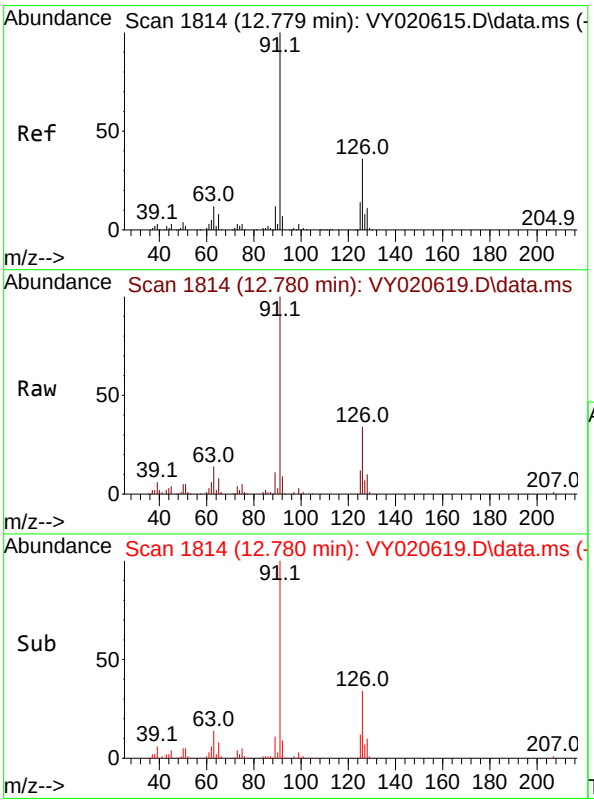
#81
trans-1,4-Dichloro-2-butene
Concen: 4.276 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 2558

Ion	Ratio	Lower	Upper
75	100		
53	107.3	75.4	113.2
89	47.1	37.0	55.4

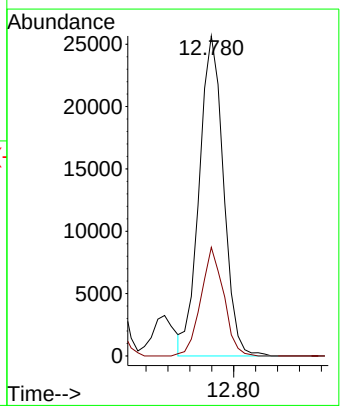


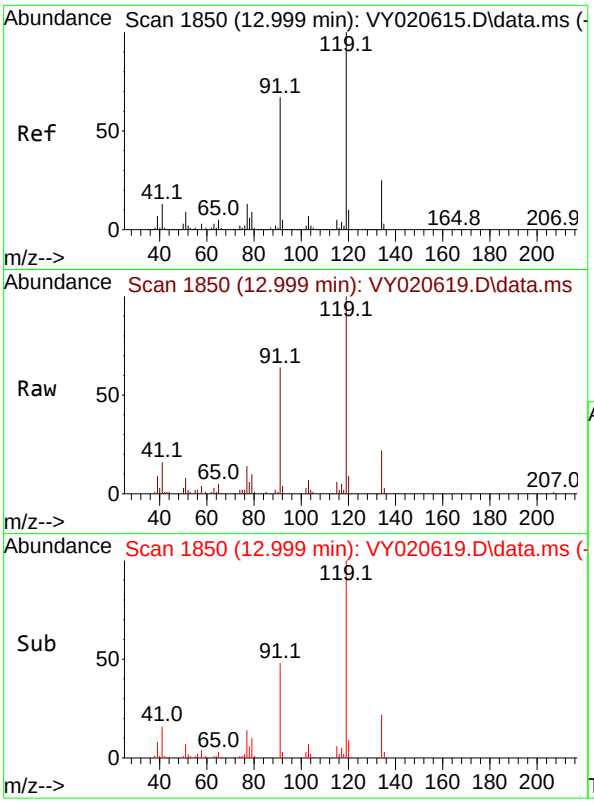


#82
4-Chlorotoluene
Concen: 5.318 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 91 Resp: 39447

Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.6	49.7



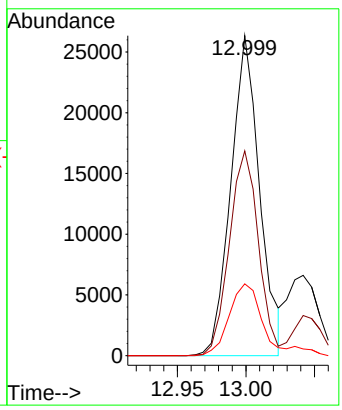


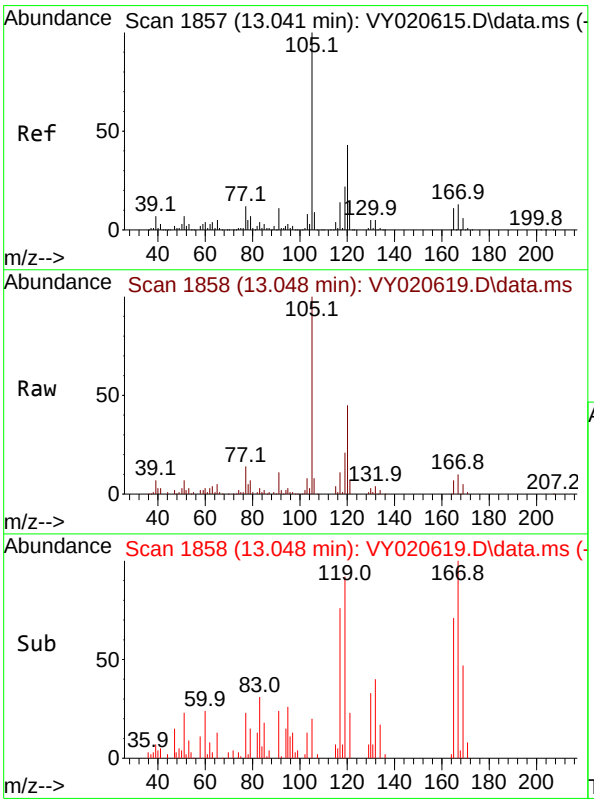
#83
tert-Butylbenzene
Concen: 4.972 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 38538

Ion	Ratio	Lower	Upper
119	100		
91	64.6	32.9	98.6
134	25.0	13.1	39.1

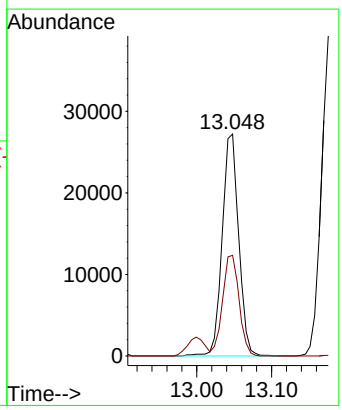


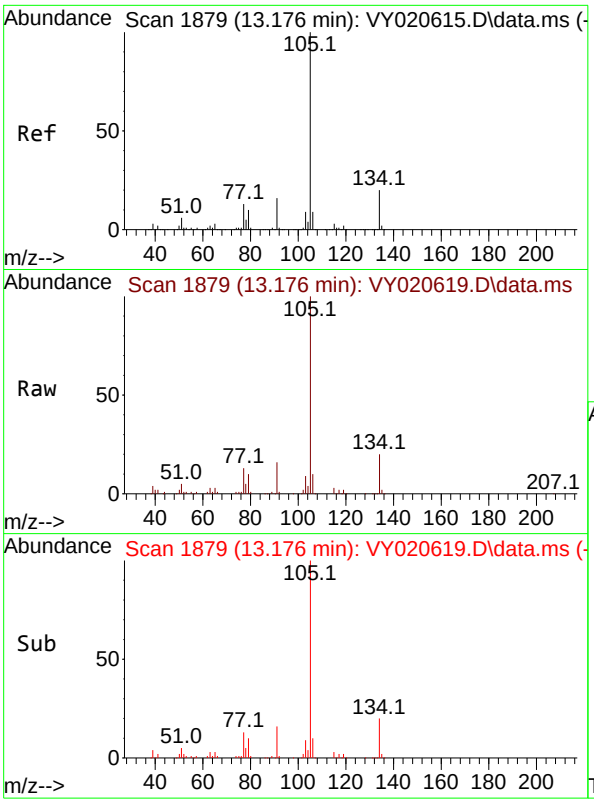


#84
1,2,4-Trimethylbenzene
Concen: 4.974 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:105 Resp: 41754

Ion	Ratio	Lower	Upper
105	100		
120	45.5	21.8	65.4



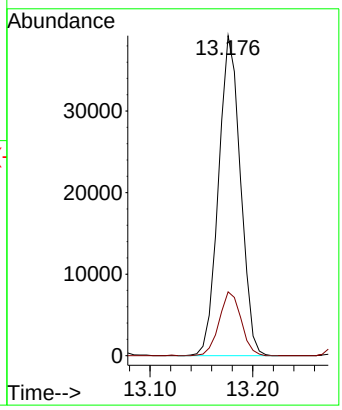


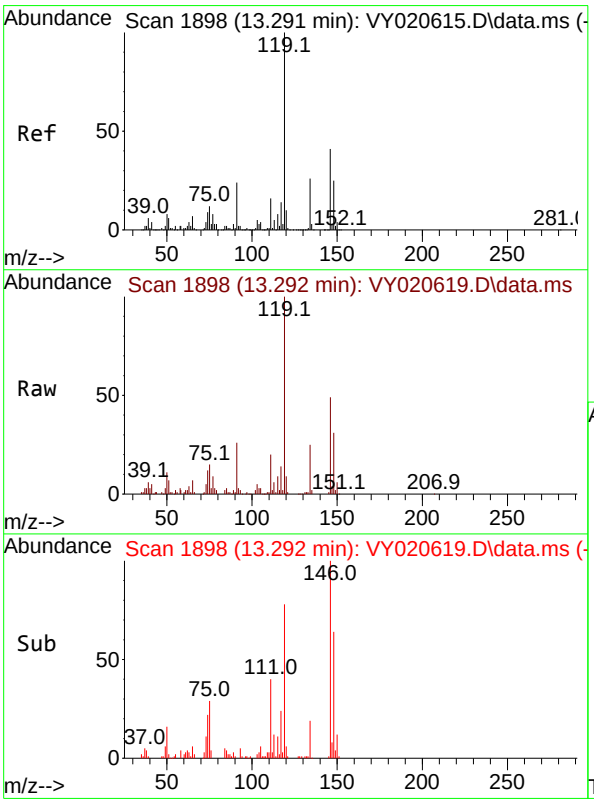
#85
sec-Butylbenzene
Concen: 5.154 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 58088

Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.0	30.0

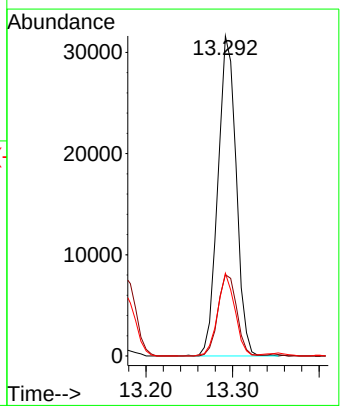


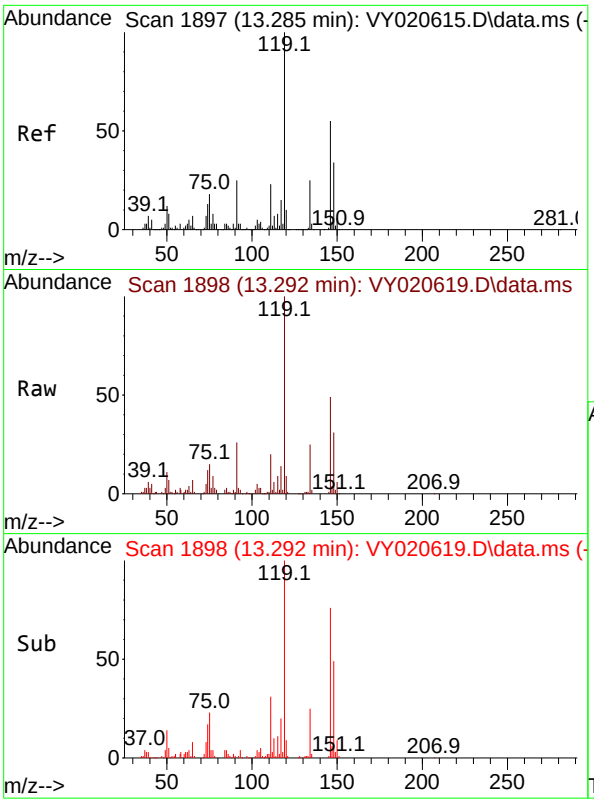


#86
p-Isopropyltoluene
Concen: 4.992 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:119 Resp: 46384

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.9	38.6
91	24.5	12.1	36.3



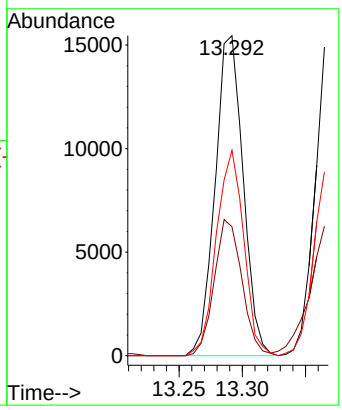


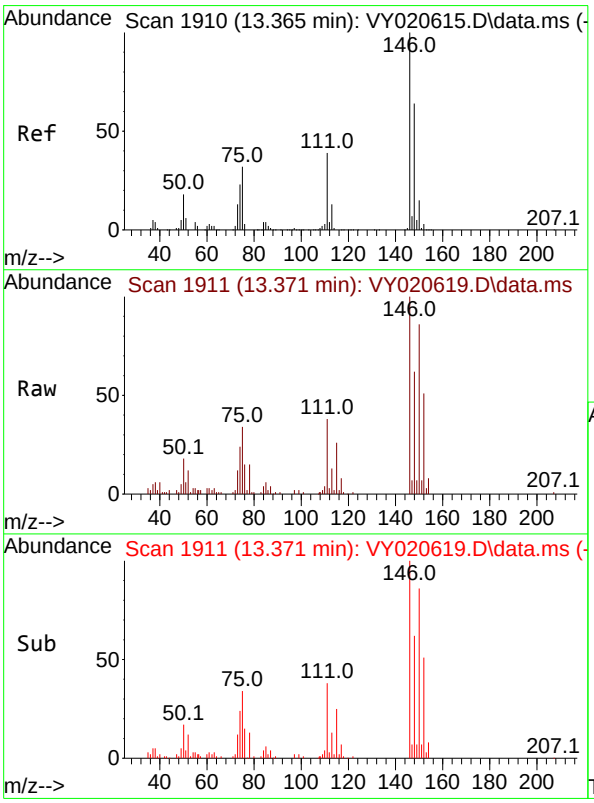
#87
1,3-Dichlorobenzene
Concen: 5.238 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 23757

Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.6	61.8
148	62.8	31.4	94.0

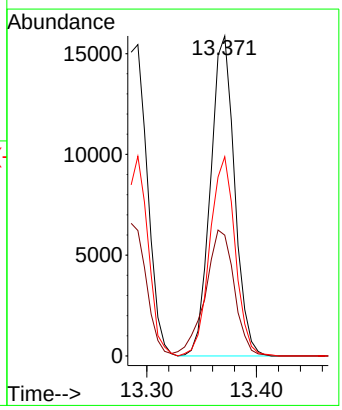


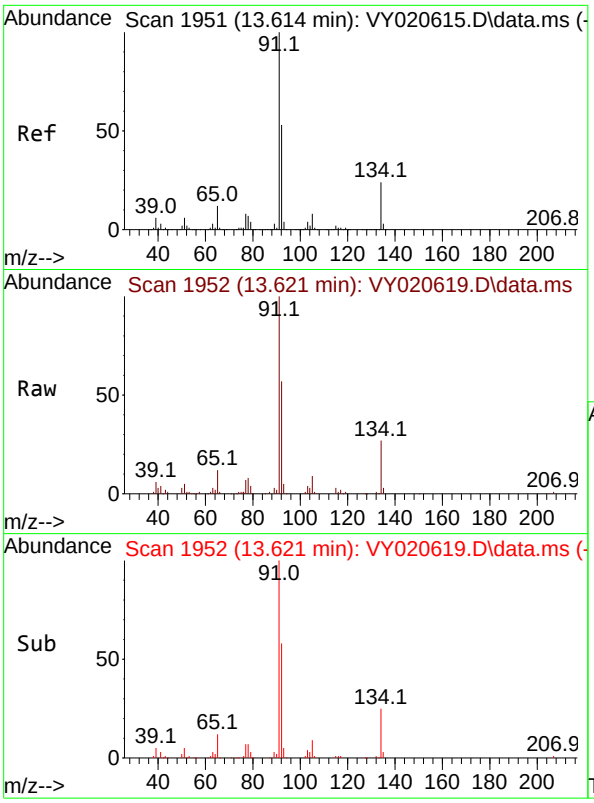


#88
1,4-Dichlorobenzene
Concen: 5.404 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:146 Resp: 24276

Ion	Ratio	Lower	Upper
146	100		
111	47.2	19.6	58.7
148	65.4	31.9	95.5



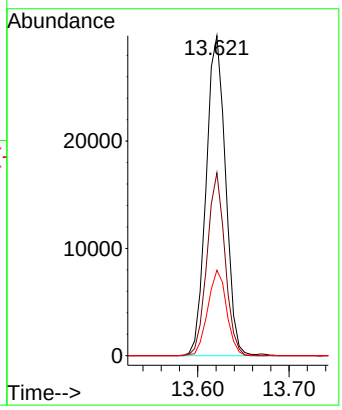


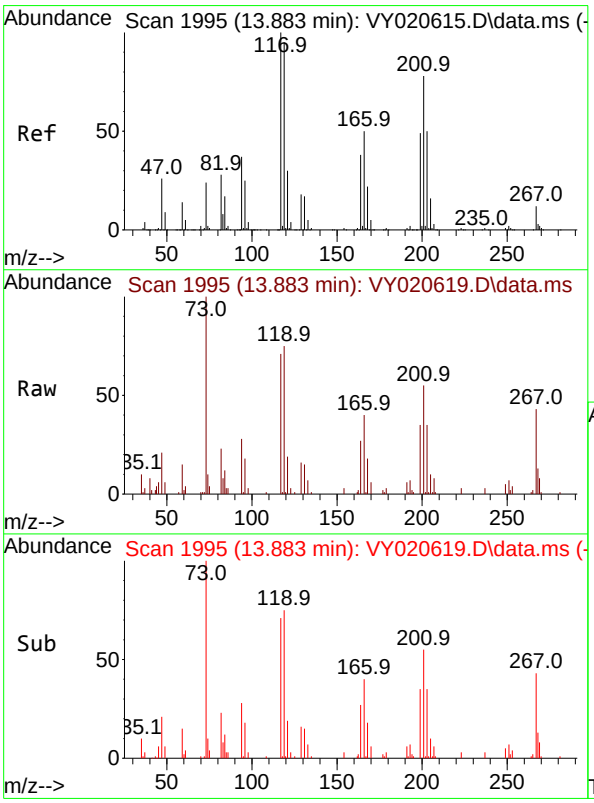
#89
n-Butylbenzene
Concen: 4.976 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 43817

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.8	80.4
134	26.0	12.5	37.5

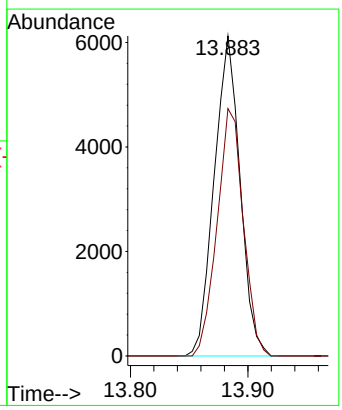


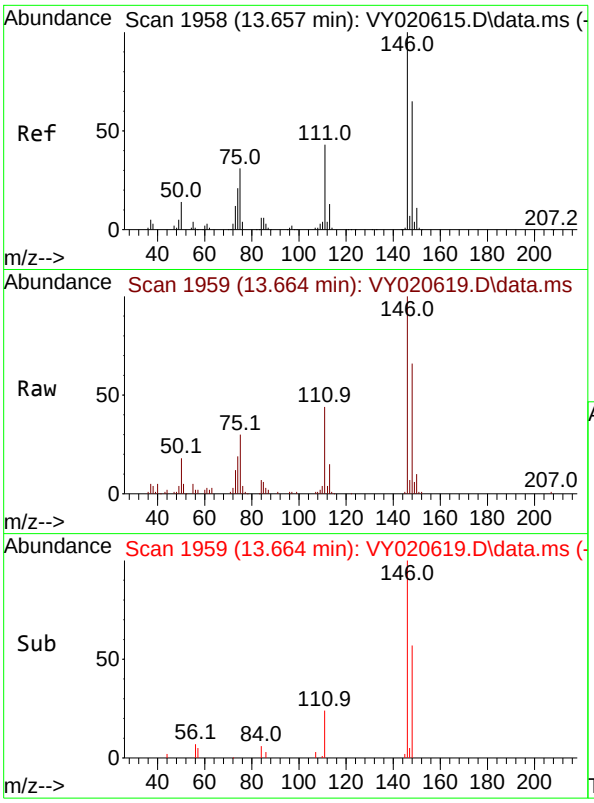


#90
Hexachloroethane
Concen: 5.084 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:117 Resp: 9361

Ion	Ratio	Lower	Upper
117	100		
201	78.4	39.1	117.3



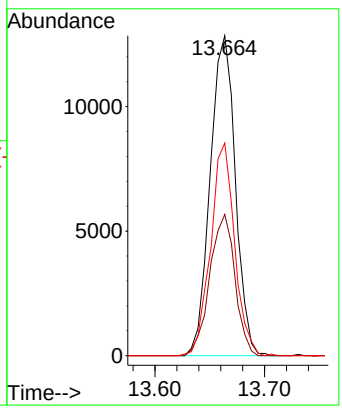


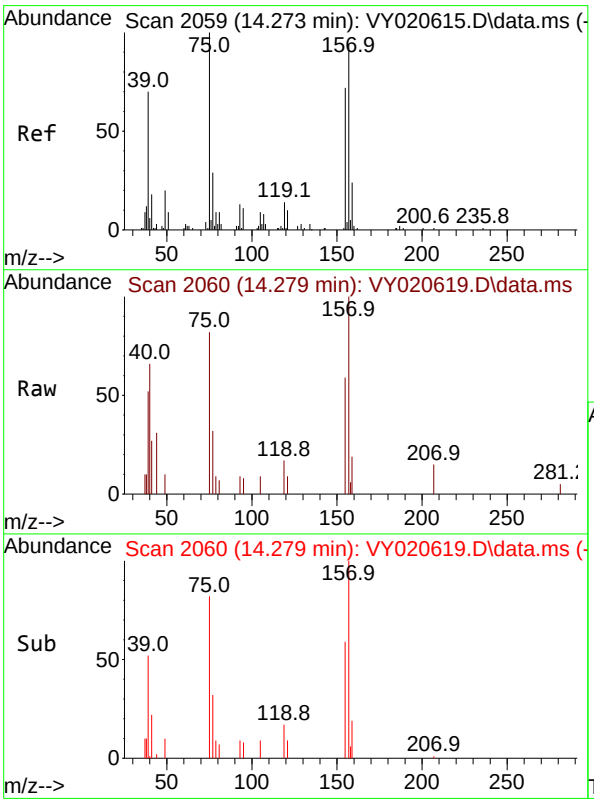
#91
1,2-Dichlorobenzene
Concen: 5.211 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 20478

Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.3	63.7
148	63.6	32.0	96.0

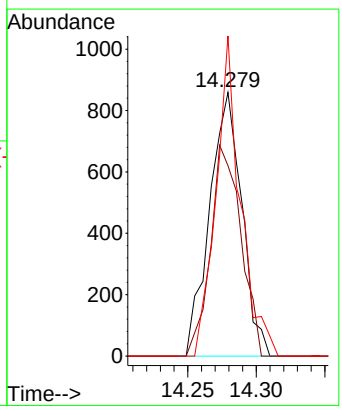


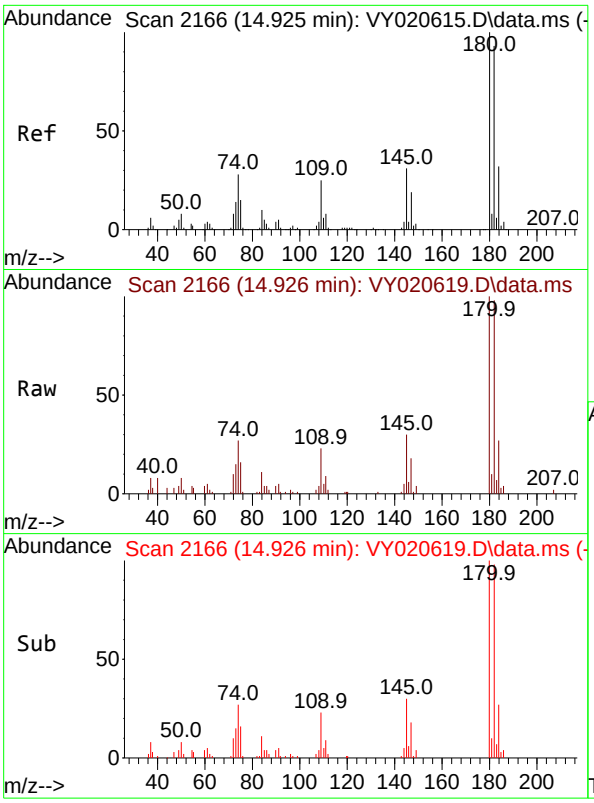


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.051 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion: 75 Resp: 1404

Ion	Ratio	Lower	Upper
75	100		
155	75.6	41.1	123.3
157	92.2	52.9	158.8



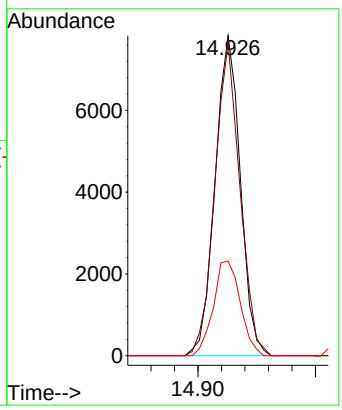


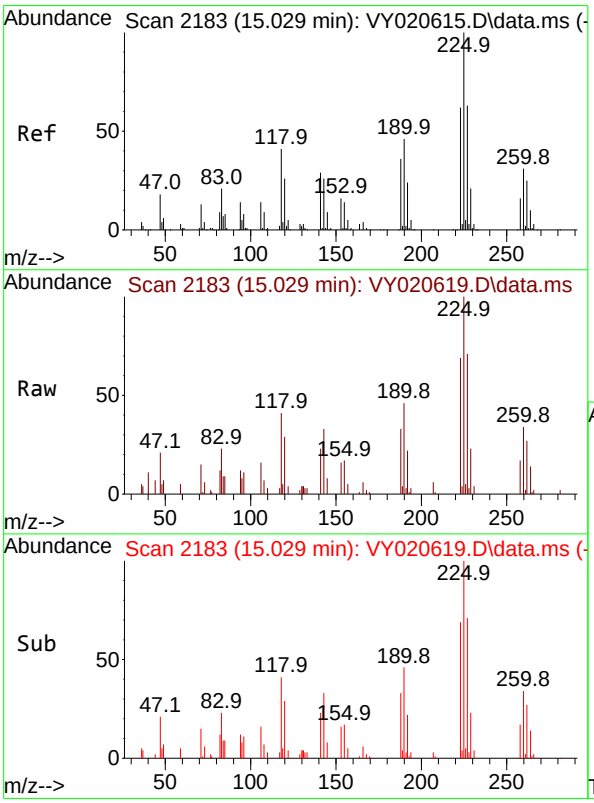
#93
1,2,4-Trichlorobenzene
Concen: 4.900 ug/l
RT: 14.926 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 11648

Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.9	143.6
145	31.7	15.6	46.7

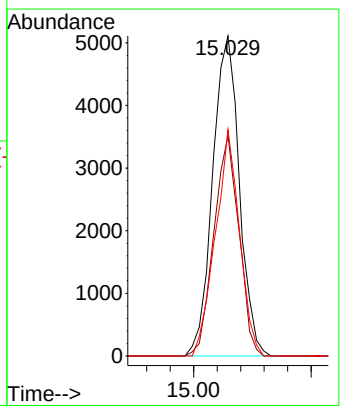


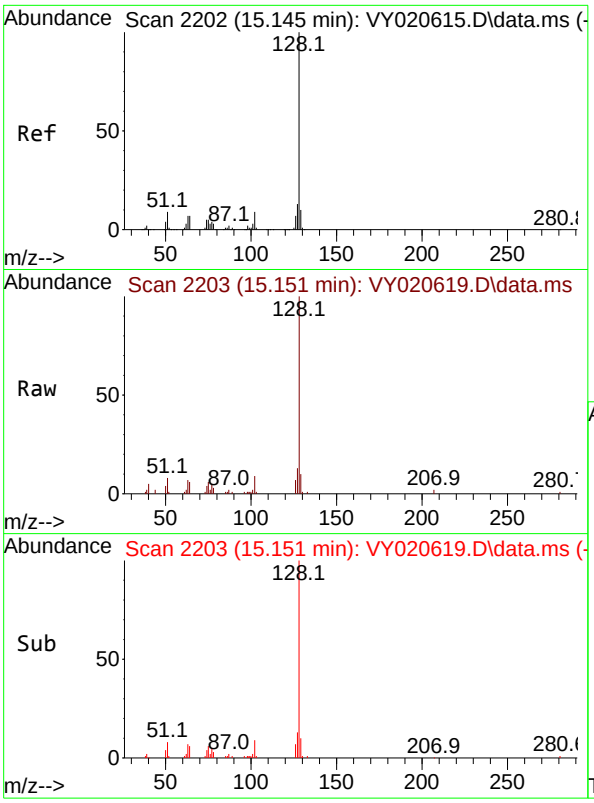


#94
Hexachlorobutadiene
Concen: 5.186 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:225 Resp: 8059

Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.8	95.3
227	64.1	32.2	96.6



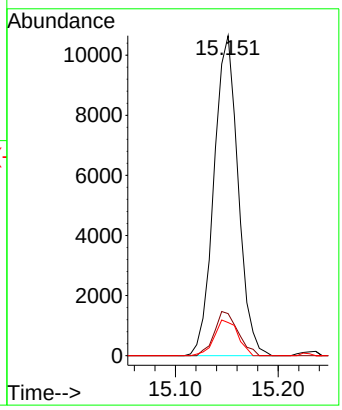


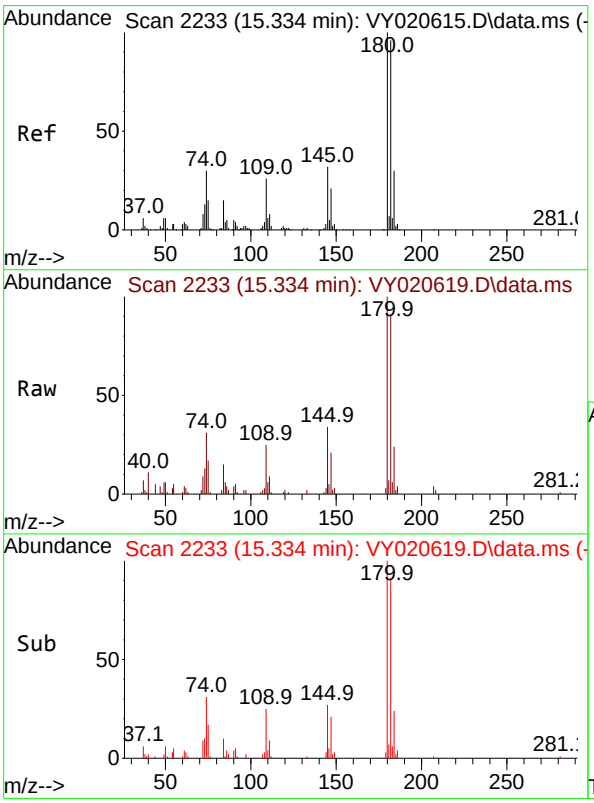
#95
Naphthalene
Concen: 4.261 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 17365

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	10.9	8.5	12.7

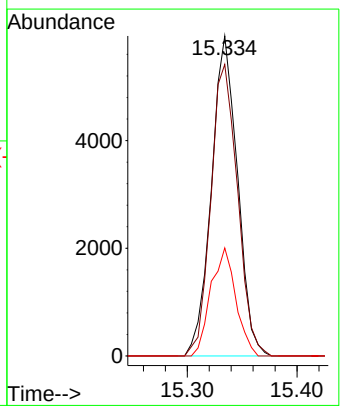




#96
1,2,3-Trichlorobenzene
Concen: 4.890 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY020619.D
Acq: 17 Dec 2024 14:51

Tgt Ion:180 Resp: 9821

Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.3	141.9
145	32.3	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020620.D
Acq On : 17 Dec 2024 17:41
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Quant Time: Dec 18 05:29:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	173629	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	261652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	229207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	127757	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	79812	41.971	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 83.940%			
35) Dibromofluoromethane	7.634	113	82508	44.743	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 89.480%			
50) Toluene-d8	10.103	98	297999	46.169	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 92.340%			
62) 4-Bromofluorobenzene	12.408	95	108522	42.982	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 85.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	103417	47.686	ug/l	96
3) Chloromethane	2.068	50	72696	45.240	ug/l	96
4) Vinyl Chloride	2.202	62	72204	48.277	ug/l	100
5) Bromomethane	2.599	94	46536	48.405	ug/l	95
6) Chloroethane	2.733	64	44843	48.520	ug/l	95
7) Trichlorofluoromethane	3.062	101	147334	47.080	ug/l	100
8) Diethyl Ether	3.458	74	48299	44.007	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	111288	49.613	ug/l	100
10) Methyl Iodide	4.007	142	125272	50.161	ug/l	98
11) Tert butyl alcohol	4.854	59	35896	166.993	ug/l	99
12) 1,1-Dichloroethene	3.787	96	109207	50.176	ug/l	99
13) Acrolein	3.653	56	13043	145.056	ug/l	95
14) Allyl chloride	4.385	41	194403	50.975	ug/l	99
15) Acrylonitrile	5.055	53	111135	211.661	ug/l	99
16) Acetone	3.867	43	128884	343.570	ug/l	95
17) Carbon Disulfide	4.110	76	357372	50.444	ug/l	99
18) Methyl Acetate	4.385	43	56965	44.029	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	254917	45.379	ug/l	98
20) Methylene Chloride	4.616	84	110314	46.658	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	118791	48.656	ug/l	96
22) Diisopropyl ether	6.019	45	373306	48.223	ug/l	96
23) Vinyl Acetate	5.964	43	993429	226.581	ug/l	99
24) 1,1-Dichloroethane	5.915	63	221322	48.802	ug/l	100
25) 2-Butanone	6.897	43	162705	230.232	ug/l	97
26) 2,2-Dichloropropane	6.884	77	199229	46.471	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	135394	48.202	ug/l	100
28) Bromochloromethane	7.244	49	78629	51.402	ug/l	99
29) Tetrahydrofuran	7.262	42	90590	203.060	ug/l	98
30) Chloroform	7.421	83	227671	49.995	ug/l	97
31) Cyclohexane	7.701	56	199127	45.921	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	203477	48.837	ug/l	99
36) 1,1-Dichloropropene	7.835	75	166171	49.418	ug/l	99
37) Ethyl Acetate	6.982	43	67205	42.490	ug/l	99
38) Carbon Tetrachloride	7.817	117	185268	49.800	ug/l	99
39) Methylcyclohexane	9.110	83	214365	48.913	ug/l	98
40) Benzene	8.079	78	486468	49.357	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020620.D
Acq On : 17 Dec 2024 17:41
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Quant Time: Dec 18 05:29:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	39828	47.631	ug/l	#	86
42) 1,2-Dichloroethane	8.159	62	122520	46.869	ug/l		99
43) Isopropyl Acetate	8.195	43	130339	43.528	ug/l	#	88
44) Trichloroethene	8.866	130	120014	49.555	ug/l		98
45) 1,2-Dichloropropane	9.140	63	112171	48.695	ug/l		98
46) Dibromomethane	9.232	93	56323	46.265	ug/l		99
47) Bromodichloromethane	9.421	83	158529	48.208	ug/l		100
48) Methyl methacrylate	9.219	41	63016	44.268	ug/l		99
49) 1,4-Dioxane	9.232	88	11394	816.119	ug/l		97
51) 4-Methyl-2-Pentanone	10.000	43	331396	209.670	ug/l		100
52) Toluene	10.170	92	300584	49.073	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	146498	47.810	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	178584	49.184	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	73962	45.952	ug/l		99
56) Ethyl methacrylate	10.439	69	108638	46.525	ug/l		98
57) 1,3-Dichloropropane	10.713	76	134515	46.882	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	239347	243.610	ug/l		100
59) 2-Hexanone	10.756	43	240324	236.822	ug/l		100
60) Dibromochloromethane	10.908	129	101431	47.121	ug/l		97
61) 1,2-Dibromoethane	11.018	107	68798	45.952	ug/l		99
64) Tetrachloroethene	10.646	164	106990	49.626	ug/l		94
65) Chlorobenzene	11.438	112	313945	48.986	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	107564	49.083	ug/l		99
67) Ethyl Benzene	11.518	91	588990	49.815	ug/l		99
68) m/p-Xylenes	11.627	106	437108	99.430	ug/l		100
69) o-Xylene	11.957	106	203316	49.568	ug/l		98
70) Styrene	11.969	104	341470	49.827	ug/l		99
71) Bromoform	12.133	173	56002	45.451	ug/l	#	100
73) Isopropylbenzene	12.255	105	556414	49.908	ug/l		100
74) N-amyl acetate	12.072	43	118269	45.328	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	81117	44.824	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	109938	82.838	ug/l	#	100
77) Bromobenzene	12.536	156	117217	48.267	ug/l		99
78) n-propylbenzene	12.597	91	668577	49.775	ug/l		100
79) 2-Chlorotoluene	12.682	91	375047	49.628	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	452266	49.995	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	28650	45.313	ug/l		99
82) 4-Chlorotoluene	12.780	91	383617	48.929	ug/l		100
83) tert-Butylbenzene	12.999	119	405285	49.469	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	442582	49.877	ug/l		100
85) sec-Butylbenzene	13.176	105	589060	49.451	ug/l		100
86) p-Isopropyltoluene	13.292	119	492898	50.187	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	233241	48.653	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	227374	47.888	ug/l		100
89) n-Butylbenzene	13.621	91	472143	50.725	ug/l		99
90) Hexachloroethane	13.883	117	96035	49.342	ug/l		100
91) 1,2-Dichlorobenzene	13.658	146	200049	48.162	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	12169	41.418	ug/l		97
93) 1,2,4-Trichlorobenzene	14.926	180	124084	49.388	ug/l		99
94) Hexachlorobutadiene	15.029	225	84375	51.372	ug/l		99
95) Naphthalene	15.145	128	199622	46.344	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	103298	48.662	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020620.D
Acq On : 17 Dec 2024 17:41
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Quant Time: Dec 18 05:29:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

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

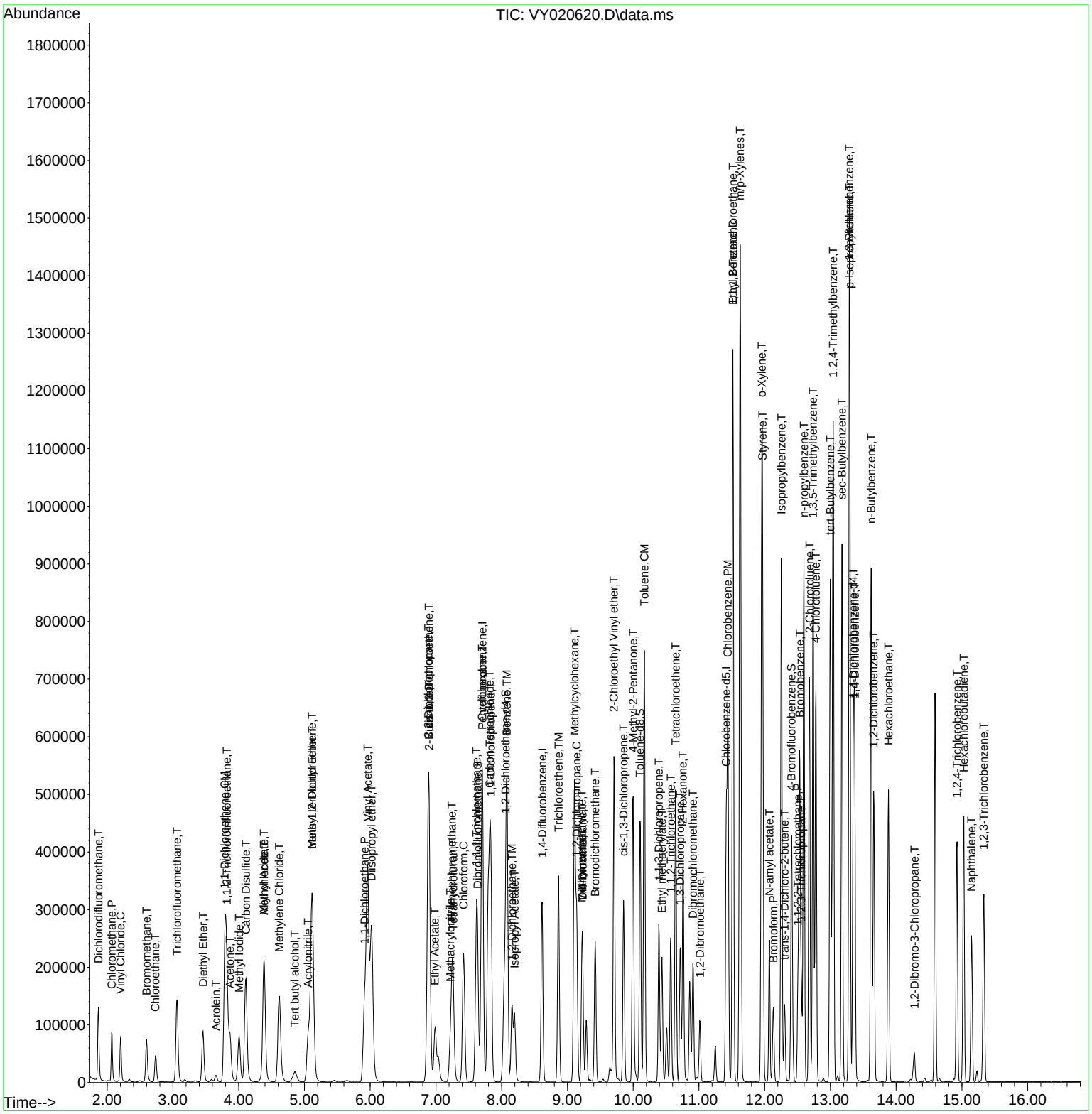
(#) = qualifier out of range (m) = manual integration (+) = signals summed

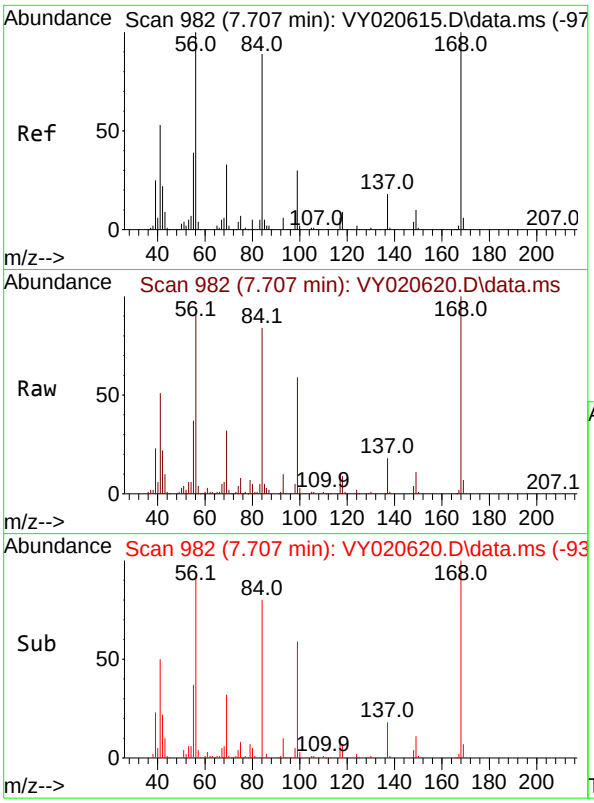
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
Data File : VY020620.D
Acq On : 17 Dec 2024 17:41
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Quant Time: Dec 18 05:29:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration



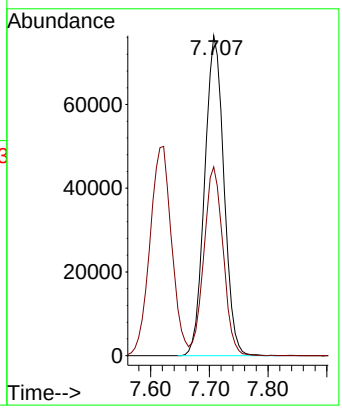


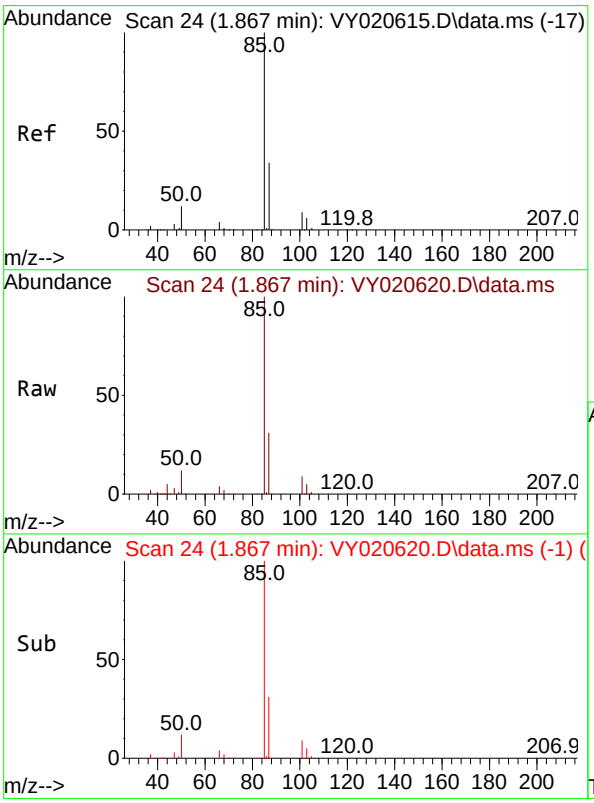
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion:168 Resp: 173629

Ion	Ratio	Lower	Upper
168	100		
99	58.9	47.0	70.6

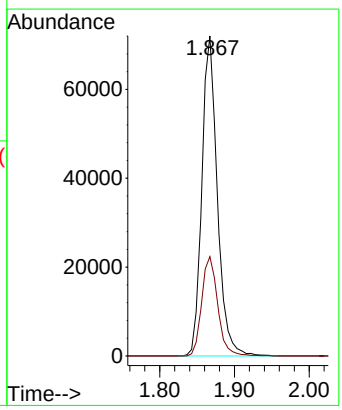


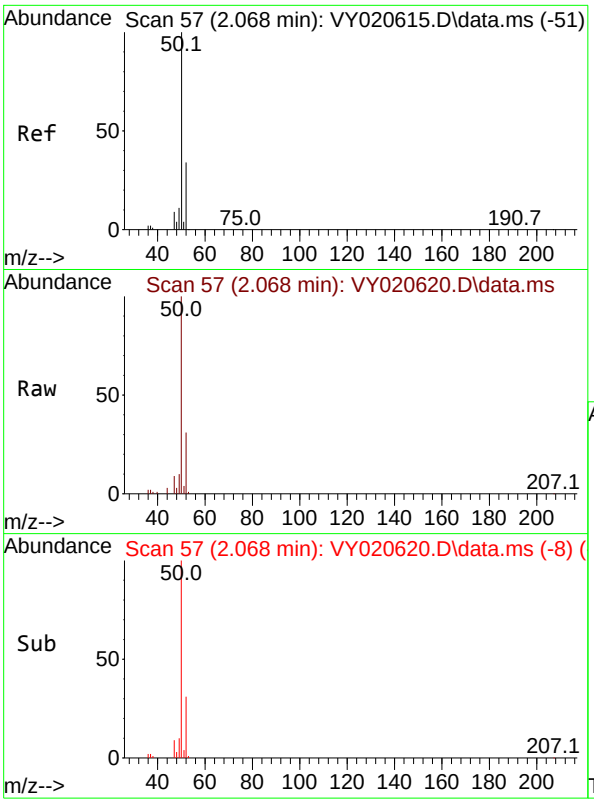


#2
Dichlorodifluoromethane
Concen: 47.686 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 85 Resp: 103417

Ion	Ratio	Lower	Upper
85	100		
87	31.1	16.8	50.3



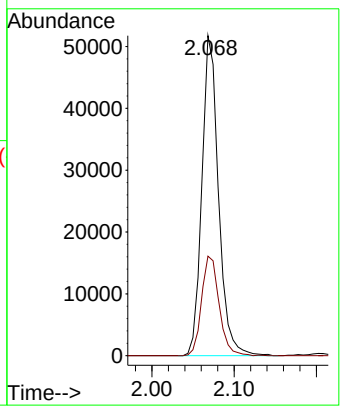


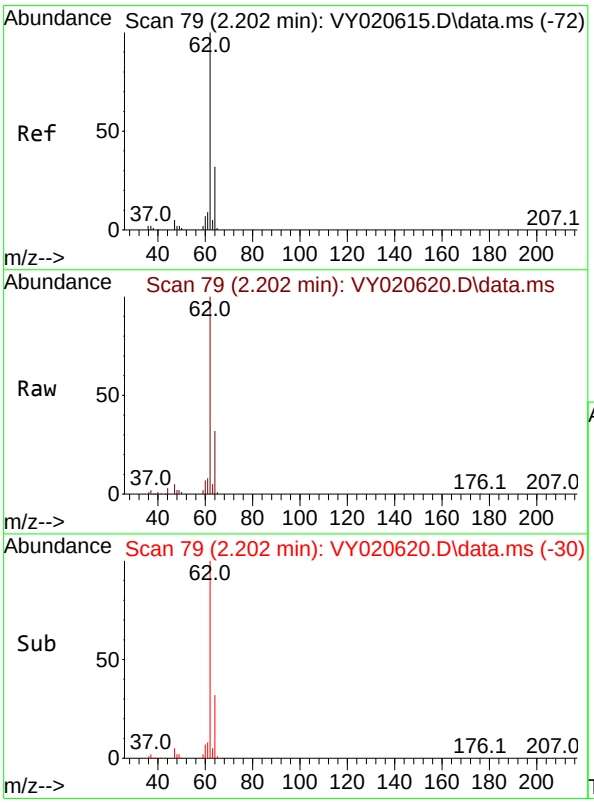
#3
Chloromethane
Concen: 45.240 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 50 Resp: 72696

Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.8	40.2

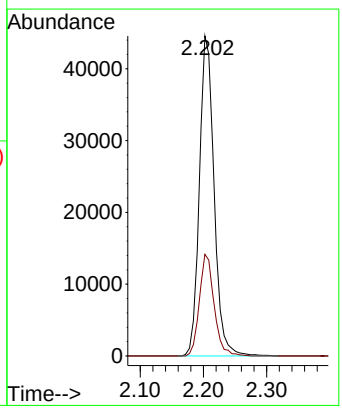


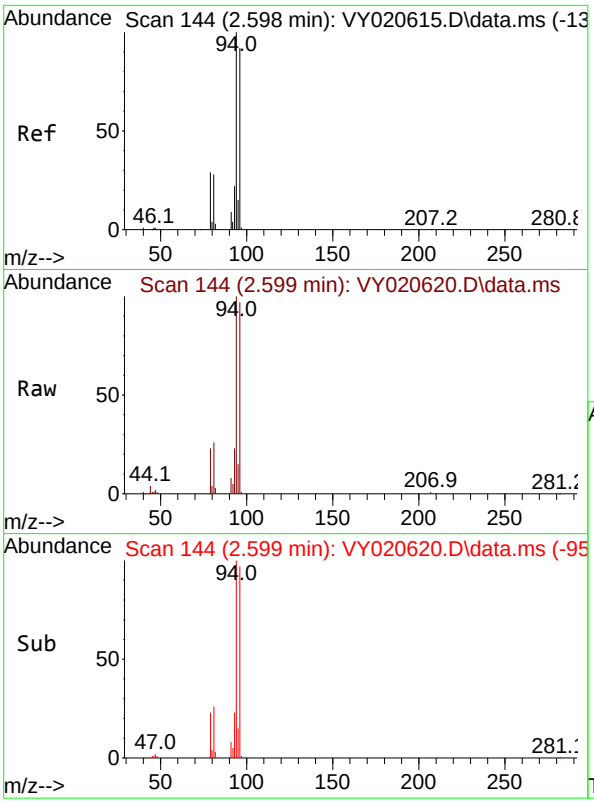


#4
Vinyl Chloride
Concen: 48.277 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 62 Resp: 72204

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.3	37.9



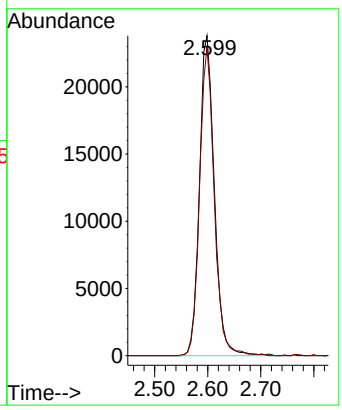


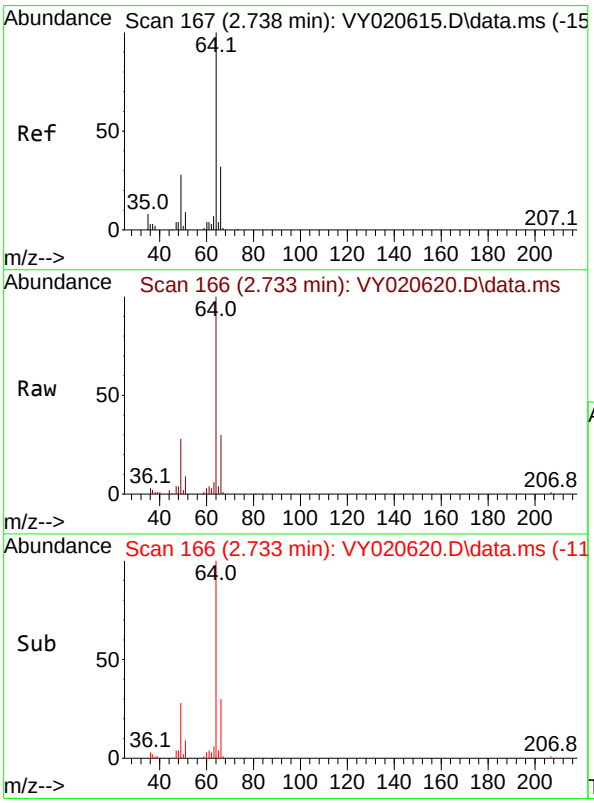
#5
Bromomethane
Concen: 48.405 ug/l
RT: 2.599 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 94 Resp: 46536

Ion	Ratio	Lower	Upper
94	100		
96	96.5	73.8	110.6

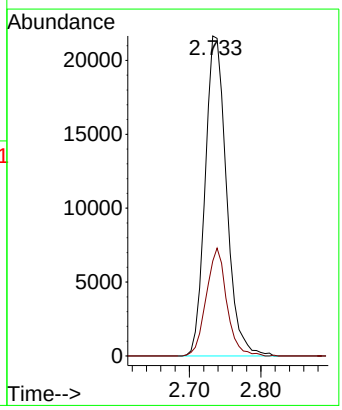


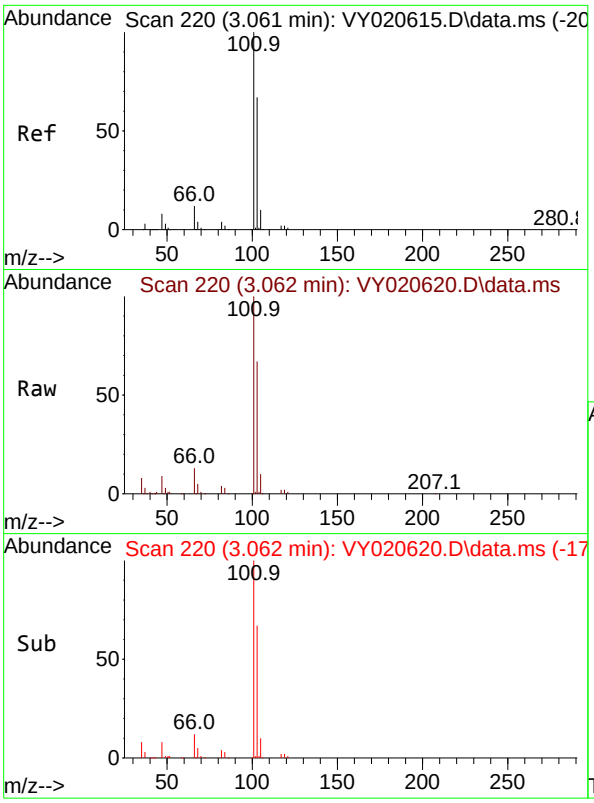


#6
Chloroethane
Concen: 48.520 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 64 Resp: 44843

Ion	Ratio	Lower	Upper
64	100		
66	29.7	25.8	38.6



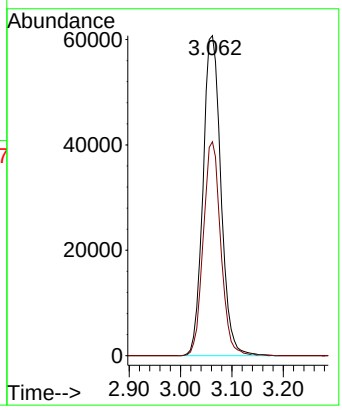


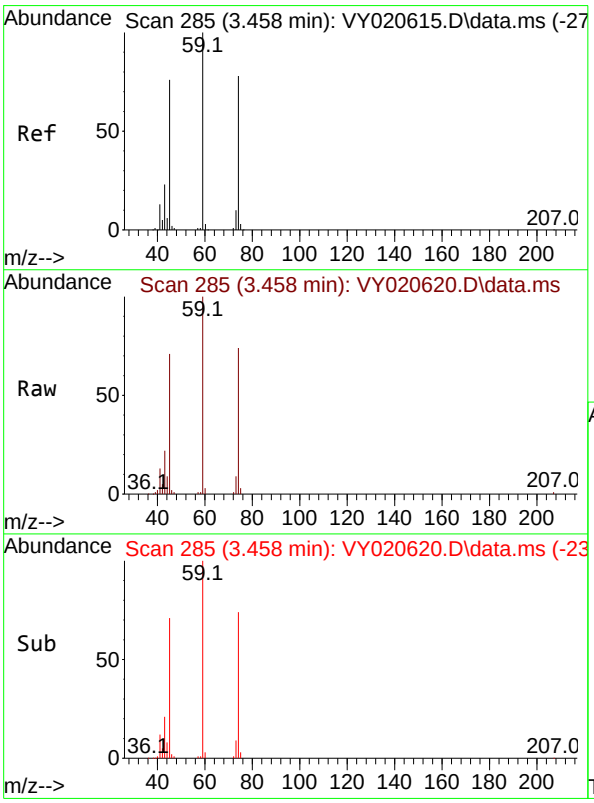
#7
Trichlorofluoromethane
Concen: 47.080 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion:101 Resp: 147334

Ion	Ratio	Lower	Upper
101	100		
103	66.9	53.4	80.0

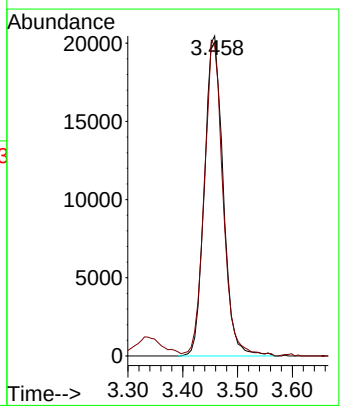


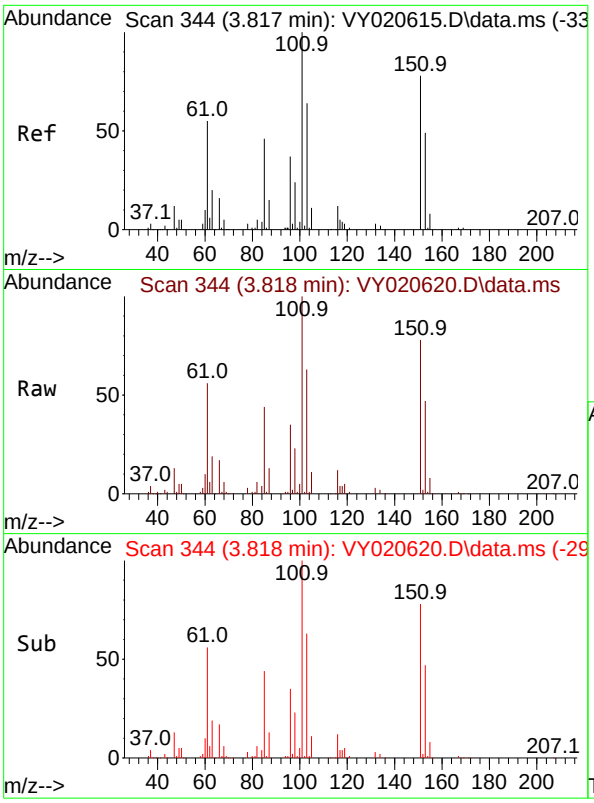


#8
Diethyl Ether
Concen: 44.007 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 74 Resp: 48299

Ion	Ratio	Lower	Upper
74	100		
45	98.8	49.0	147.2



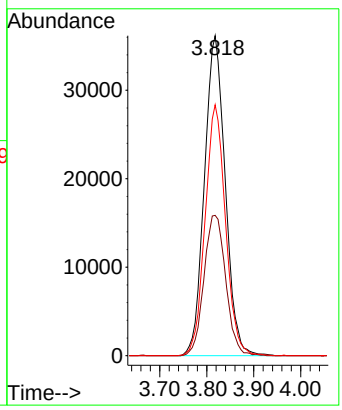


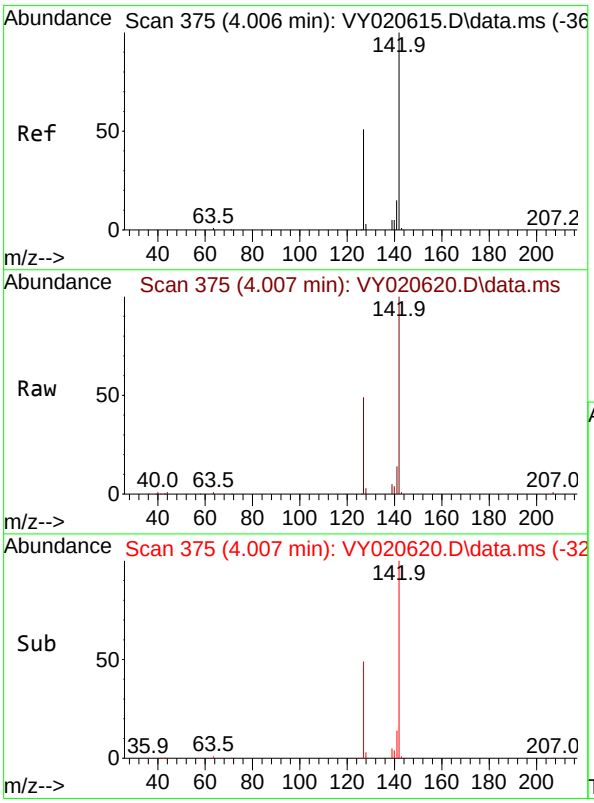
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.613 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion:101 Resp: 111288

Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.6	54.8
151	76.9	61.5	92.3

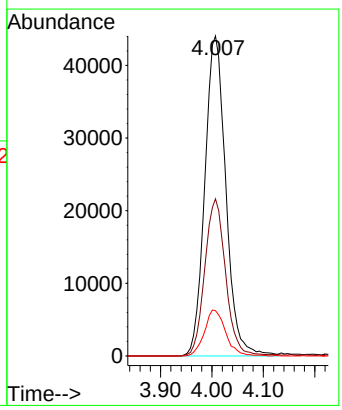


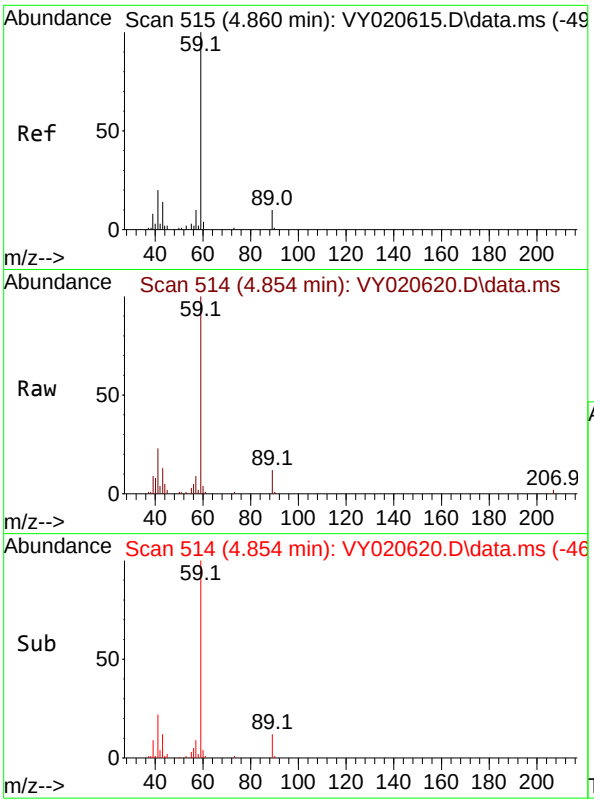


#10
Methyl Iodide
Concen: 50.161 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.001 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:142 Resp: 125272

Ion	Ratio	Lower	Upper
142	100		
127	48.6	40.6	61.0
141	14.5	11.7	17.5



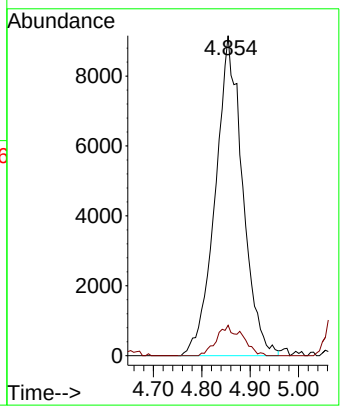


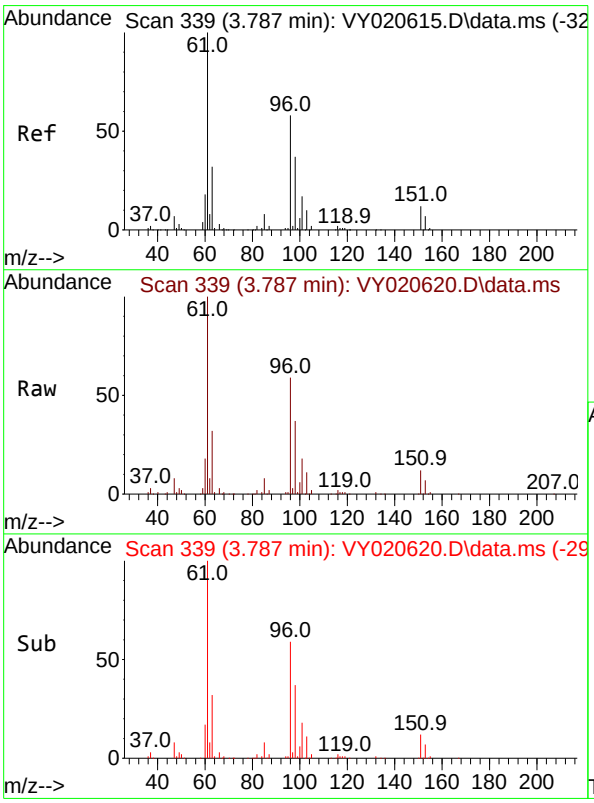
#11
Tert butyl alcohol
Concen: 166.993 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 59 Resp: 35896

Ion	Ratio	Lower	Upper
59	100		
57	9.0	7.4	11.0

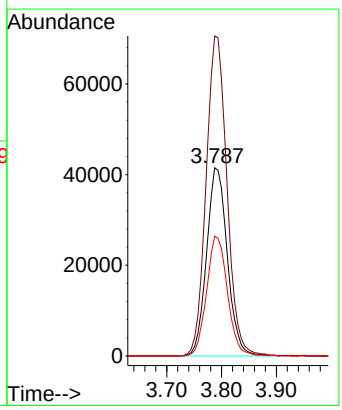


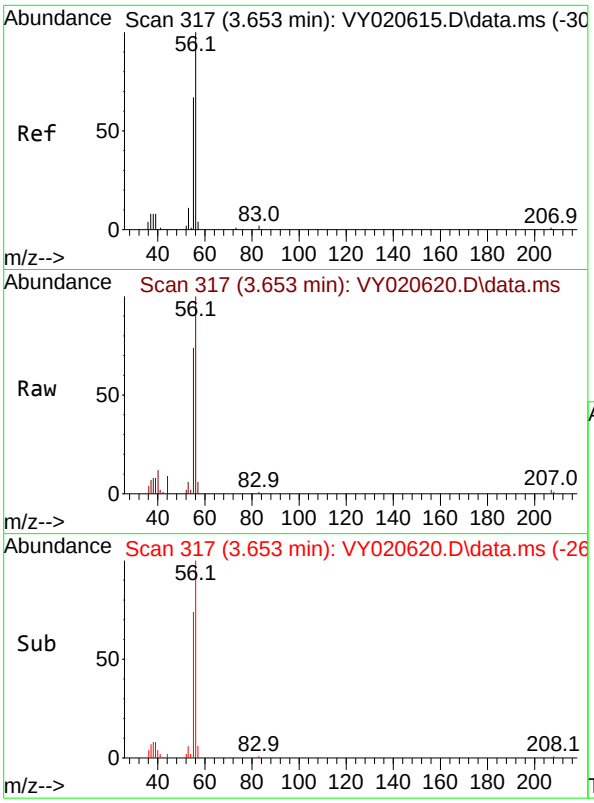


#12
1,1-Dichloroethene
Concen: 50.176 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 96 Resp: 109207

Ion	Ratio	Lower	Upper
96	100		
61	170.1	136.9	205.3
98	63.7	50.2	75.4



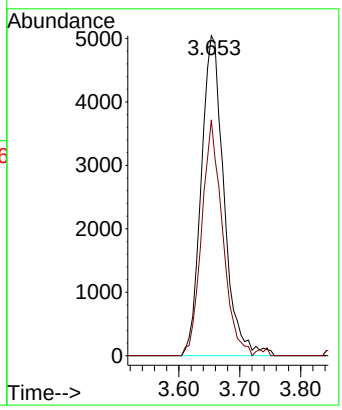


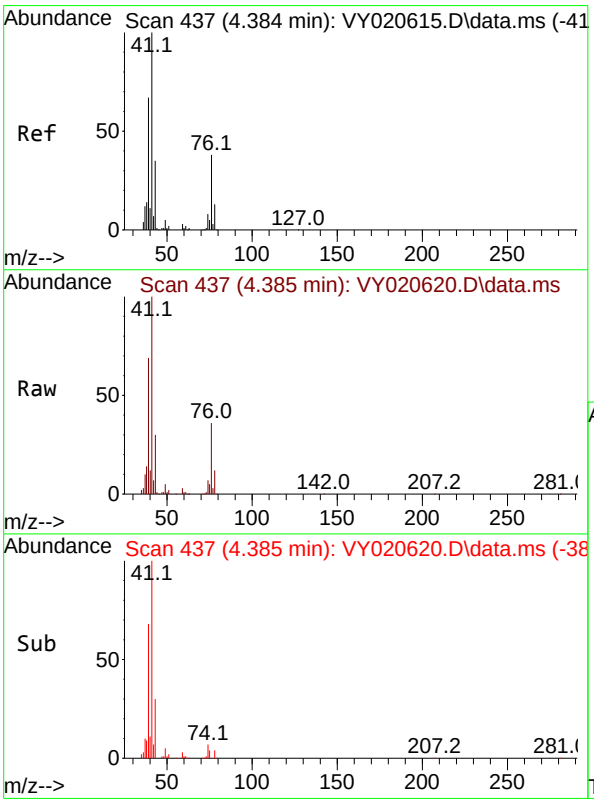
#13
Acrolein
Concen: 145.056 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 56 Resp: 13043

Ion	Ratio	Lower	Upper
56	100		
55	67.6	57.5	86.3

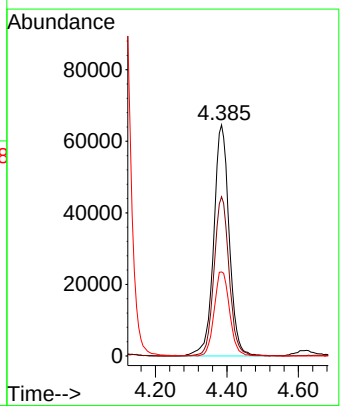


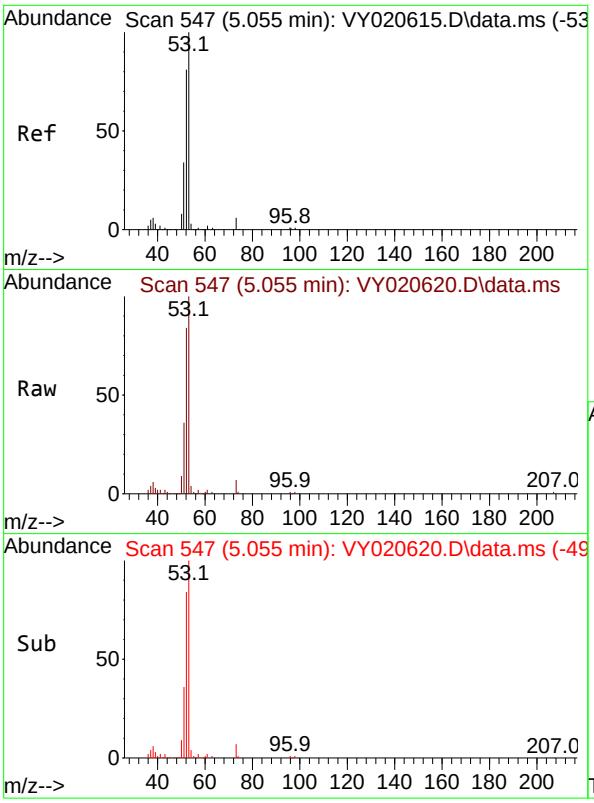


#14
Allyl chloride
Concen: 50.975 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 41 Resp: 194403

Ion	Ratio	Lower	Upper
41	100		
39	67.2	53.0	79.4
76	36.1	29.5	44.3



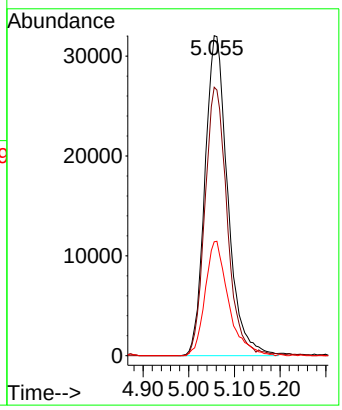


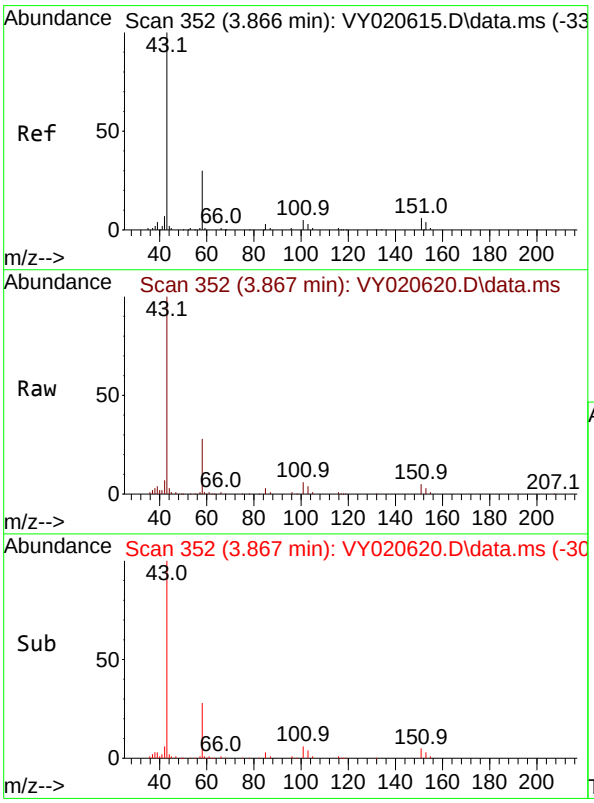
#15
Acrylonitrile
Concen: 211.661 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 53 Resp: 111135

Ion	Ratio	Lower	Upper
53	100		
52	82.3	64.5	96.7
51	36.6	29.4	44.0

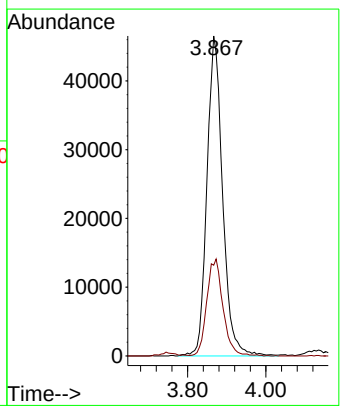


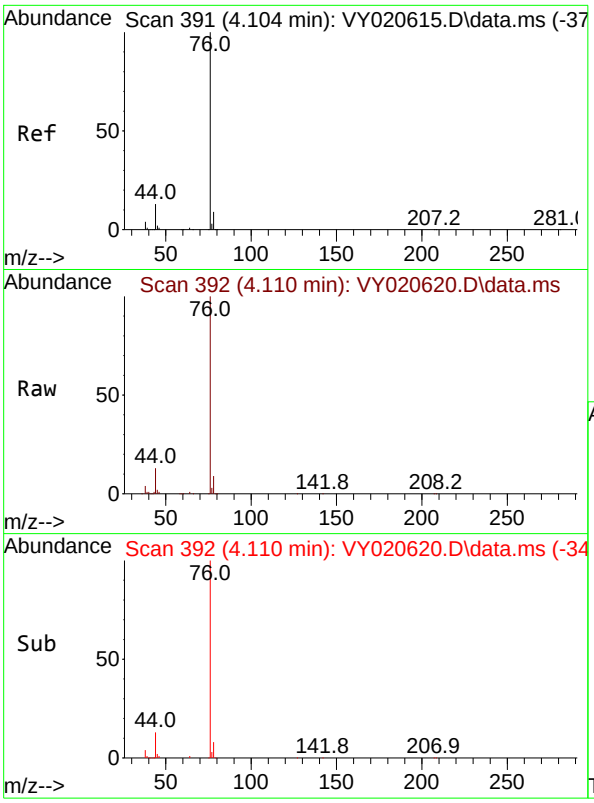


#16
Acetone
Concen: 343.570 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.001 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 43 Resp: 128884

Ion	Ratio	Lower	Upper
43	100		
58	28.4	25.0	37.6



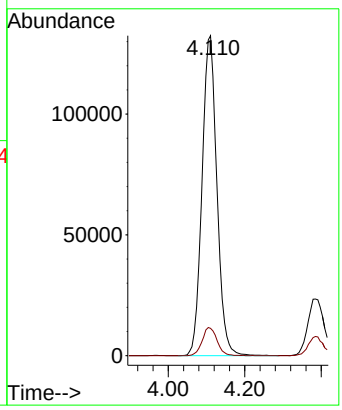


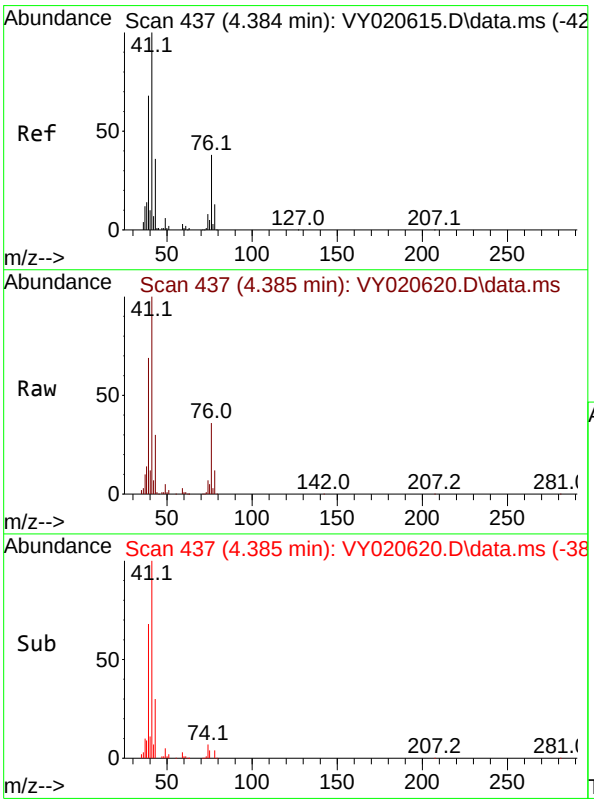
#17
Carbon Disulfide
Concen: 50.444 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.007 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 76 Resp: 357372

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.2	10.8

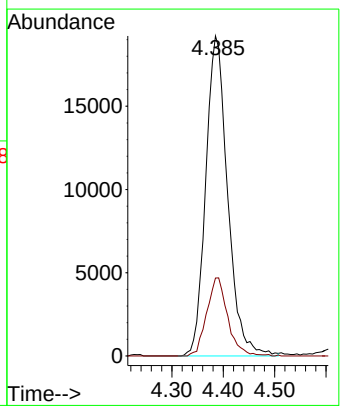


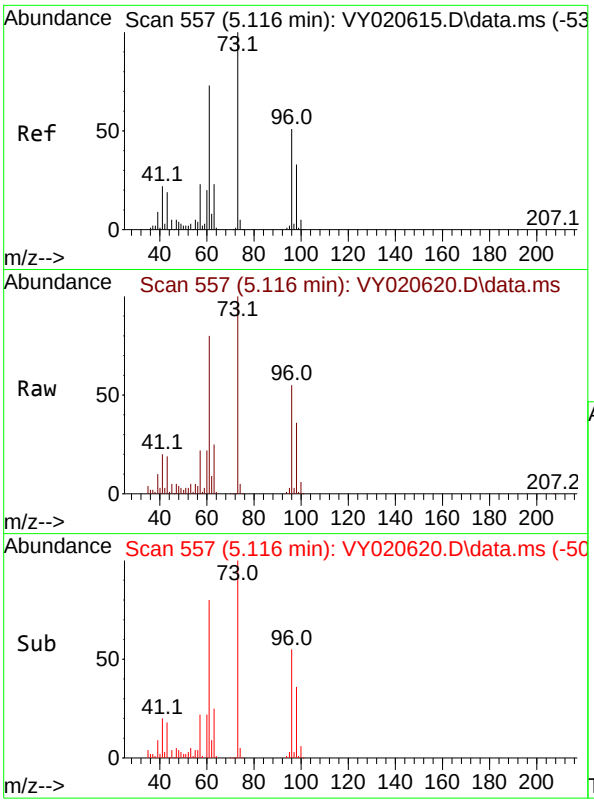


#18
Methyl Acetate
Concen: 44.029 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 43 Resp: 56965

Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.2	28.8



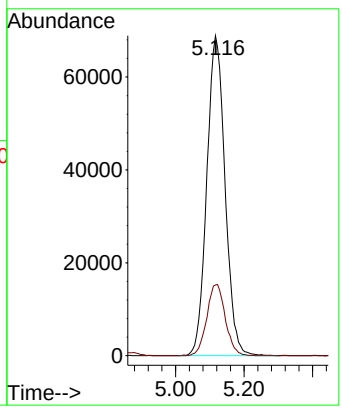


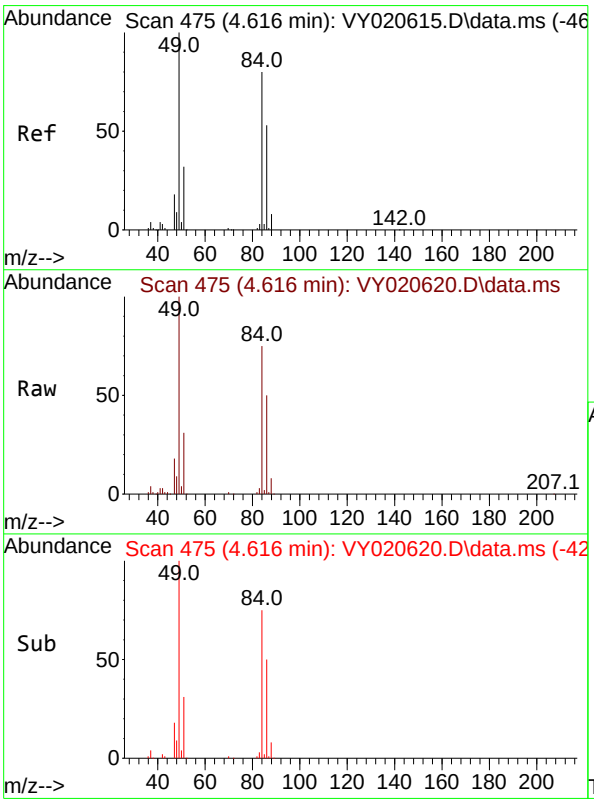
#19
Methyl tert-butyl Ether
Concen: 45.379 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 73 Resp: 254917

Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.5	27.7

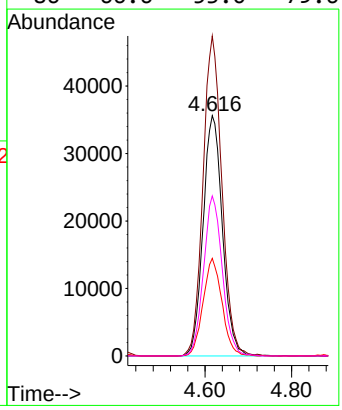


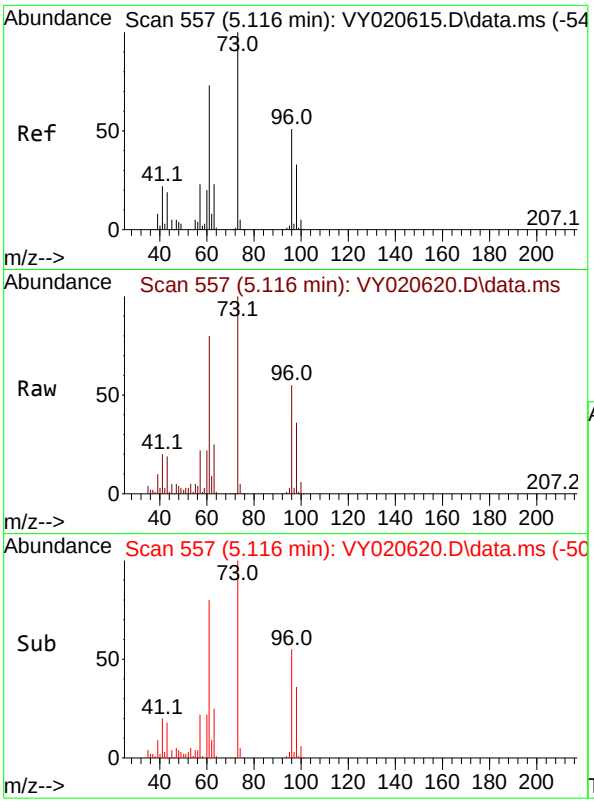


#20
Methylene Chloride
Concen: 46.658 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 84 Resp: 110314

Ion	Ratio	Lower	Upper
84	100		
49	133.2	100.7	151.1
51	40.6	32.2	48.2
86	66.6	53.0	79.6



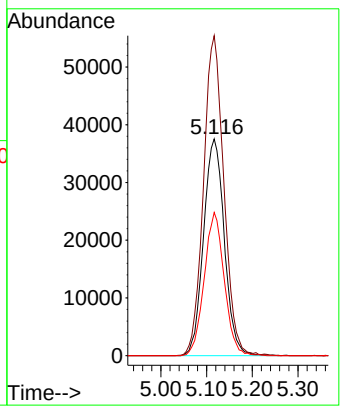


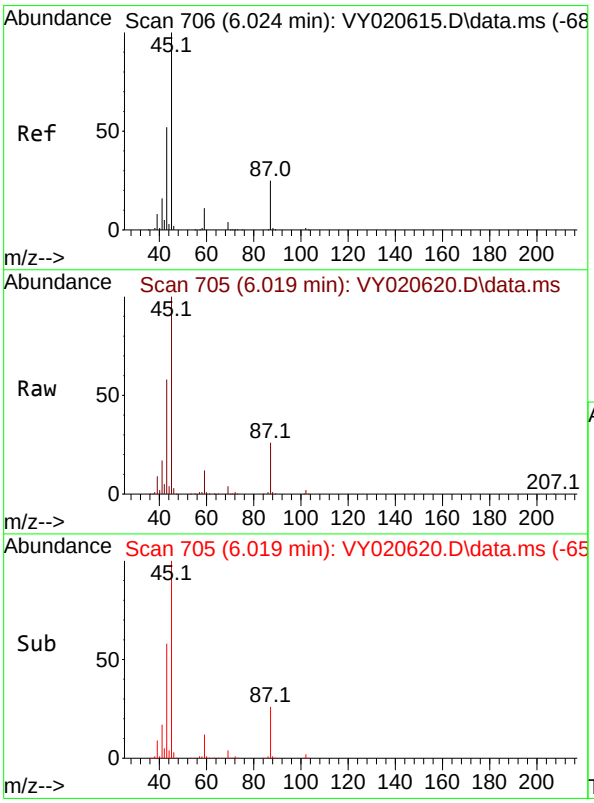
#21
trans-1,2-Dichloroethene
Concen: 48.656 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 96 Resp: 118791

Ion	Ratio	Lower	Upper
96	100		
61	147.4	113.7	170.5
98	66.0	51.7	77.5

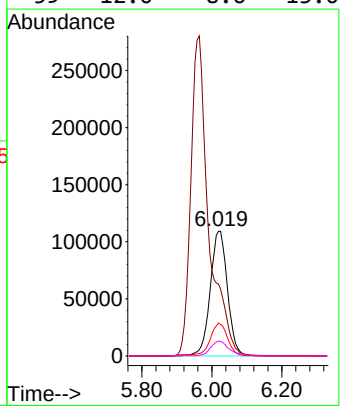


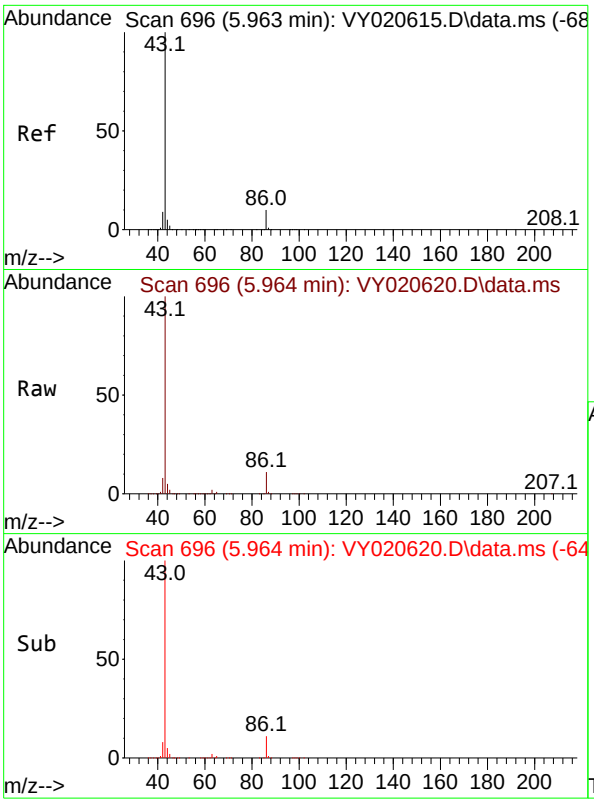


#22
Diisopropyl ether
Concen: 48.223 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 45 Resp: 373306

Ion	Ratio	Lower	Upper
45	100		
43	57.4	42.6	64.0
87	26.3	20.6	31.0
59	12.0	8.6	13.0



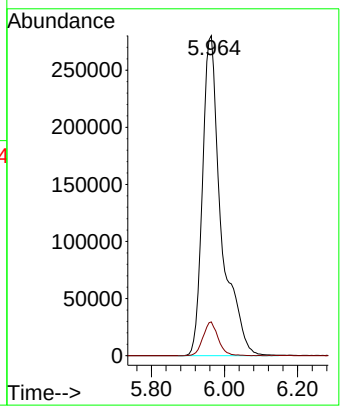


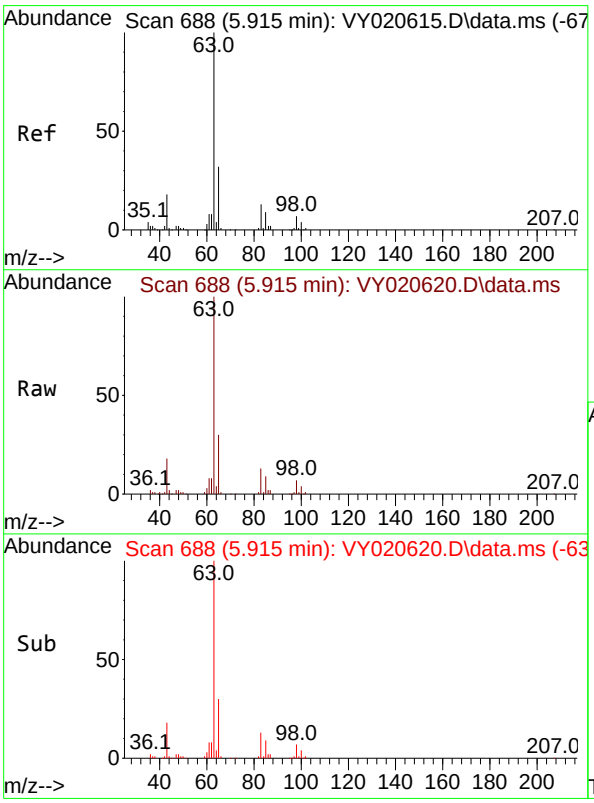
#23
Vinyl Acetate
Concen: 226.581 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 43 Resp: 993429

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.1	12.1

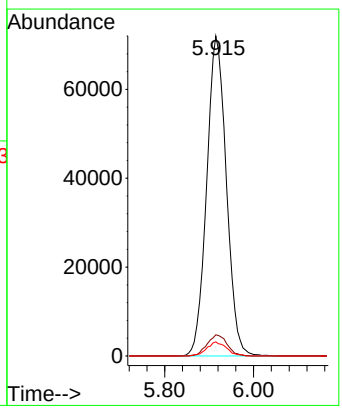


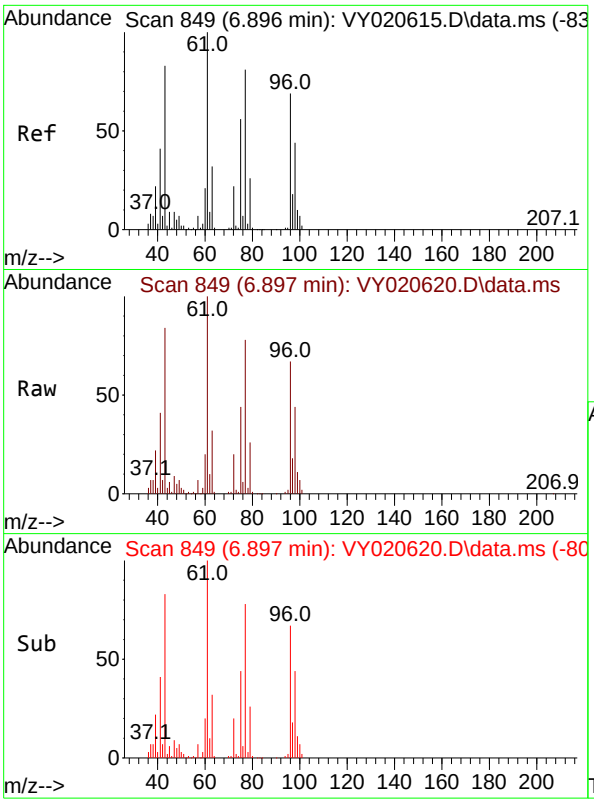


#24
1,1-Dichloroethane
Concen: 48.802 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 63 Resp: 221322

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.1
100	4.4	2.1	6.5



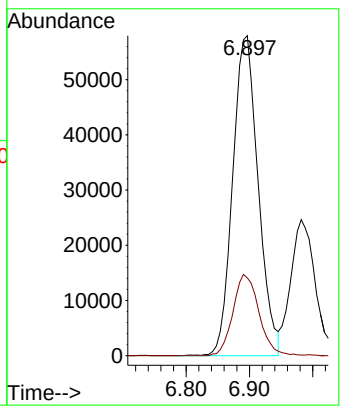


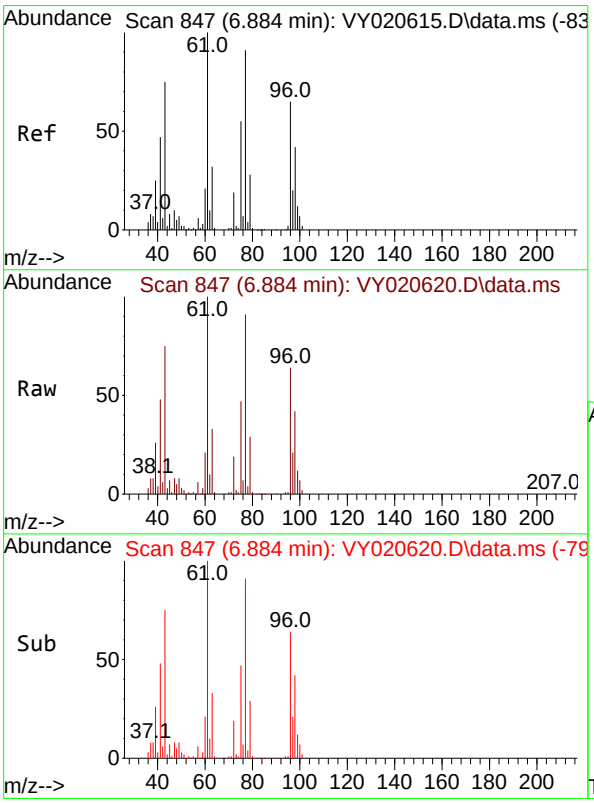
#25
2-Butanone
Concen: 230.232 ug/l
RT: 6.897 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 43 Resp: 162705

Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.6	31.0

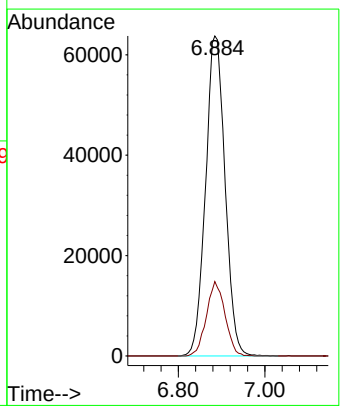


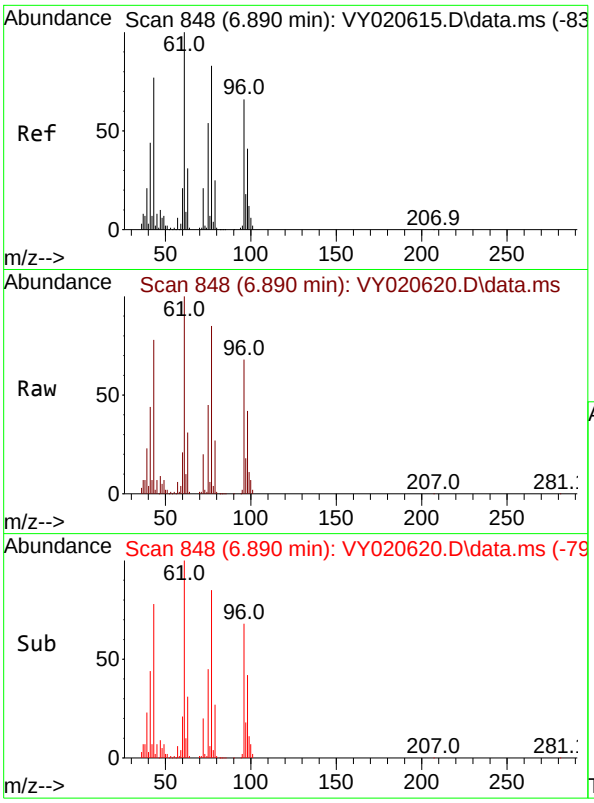


#26
2,2-Dichloropropane
Concen: 46.471 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 77 Resp: 199229

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.9	32.6



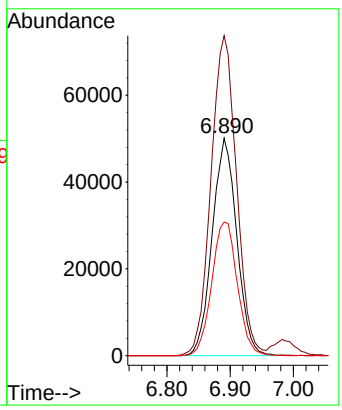


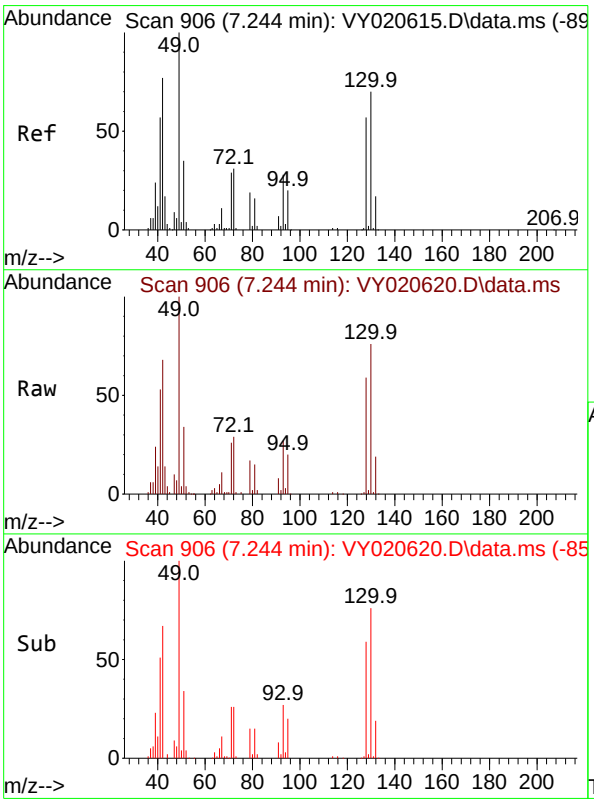
#27
cis-1,2-Dichloroethene
Concen: 48.202 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 96 Resp: 135394

Ion	Ratio	Lower	Upper
96	100		
61	152.6	0.0	306.2
98	63.9	0.0	127.2

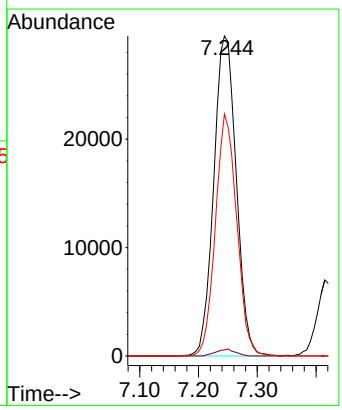


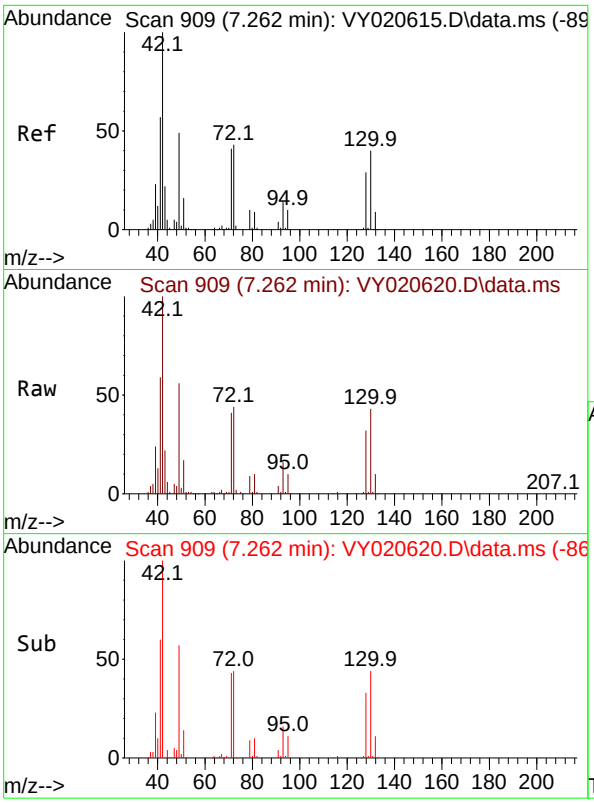


#28
Bromochloromethane
Concen: 51.402 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 49 Resp: 78629

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	71.6	58.3	87.5



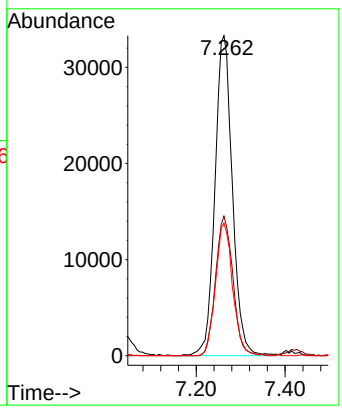


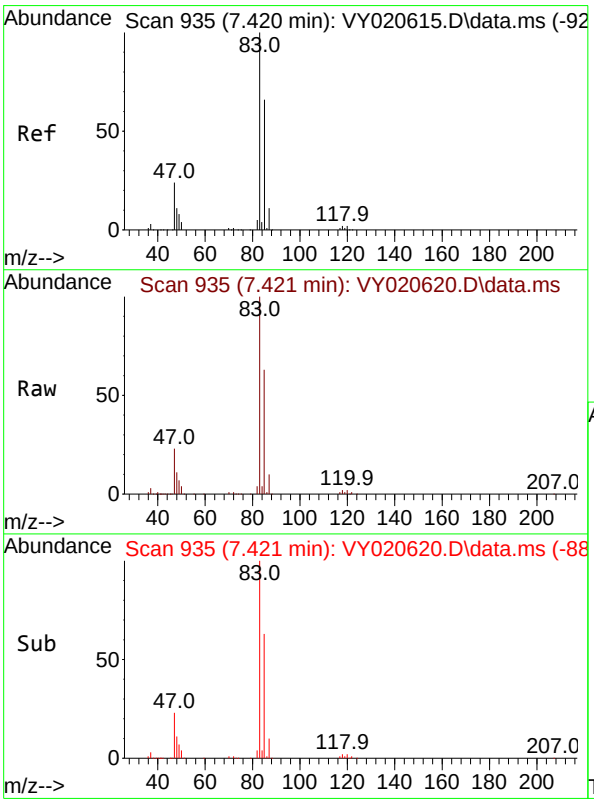
#29
Tetrahydrofuran
Concen: 203.060 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 42 Resp: 90590

Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.0	51.0
71	40.8	31.6	47.4

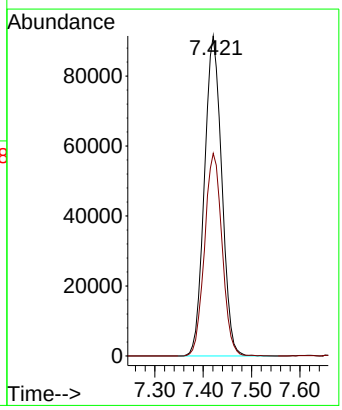


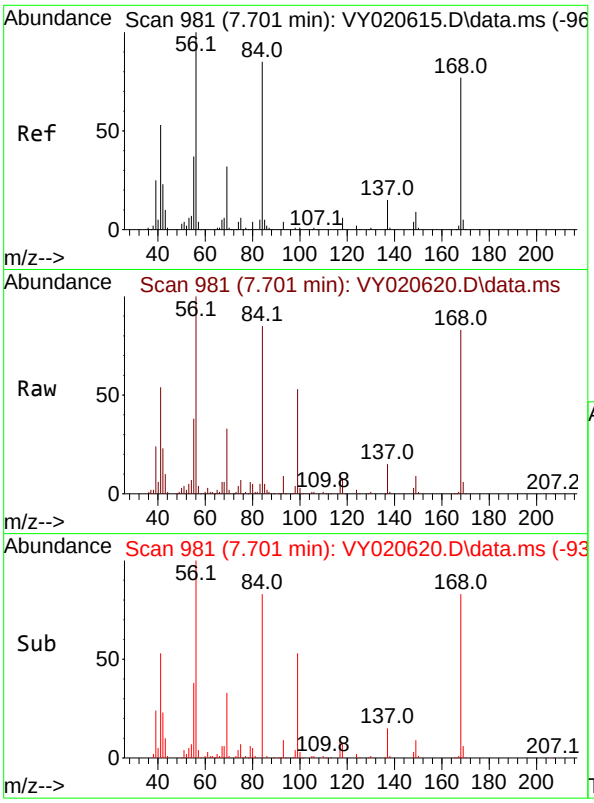


#30
Chloroform
Concen: 49.995 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.001 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 83 Resp: 227671

Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.7	79.1



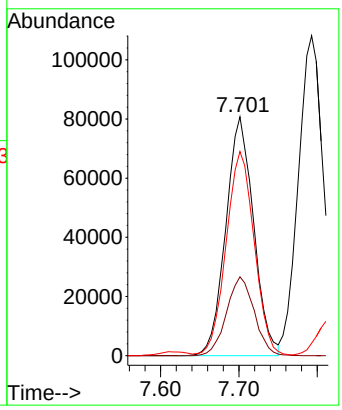


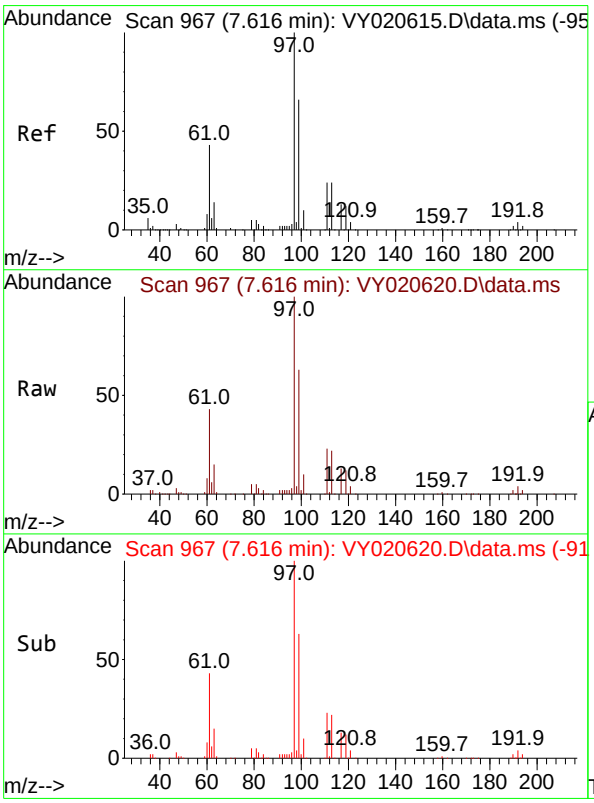
#31
Cyclohexane
Concen: 45.921 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 56 Resp: 199127

Ion	Ratio	Lower	Upper
56	100		
69	33.0	25.4	38.0
84	83.9	68.3	102.5

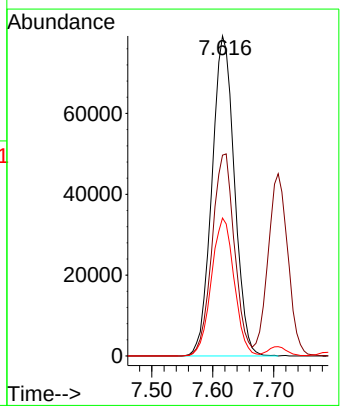


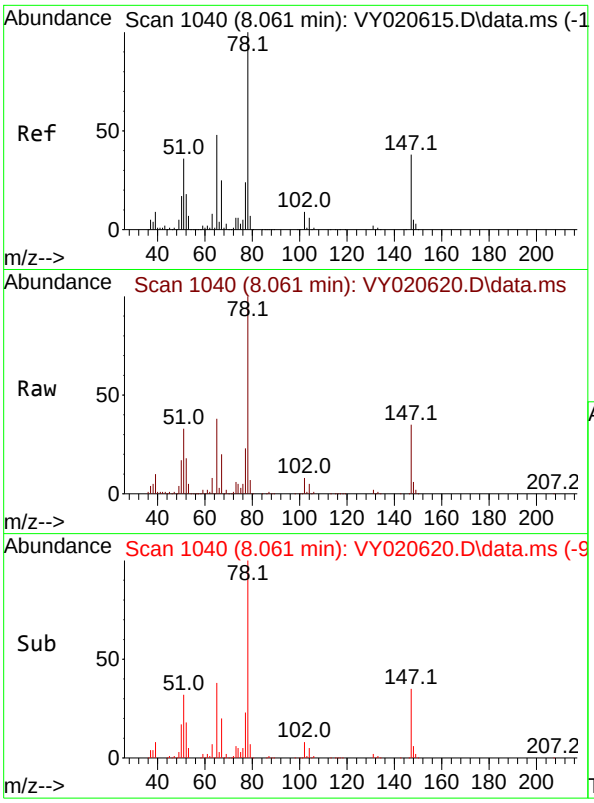


#32
1,1,1-Trichloroethane
Concen: 48.837 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 97 Resp: 203477

Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.6	77.4
61	43.6	34.7	52.1



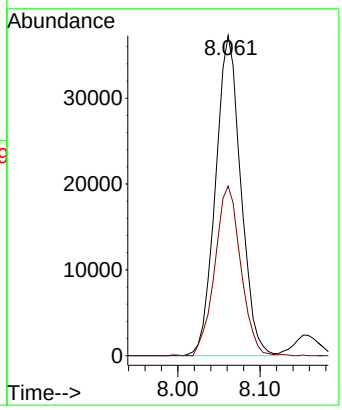


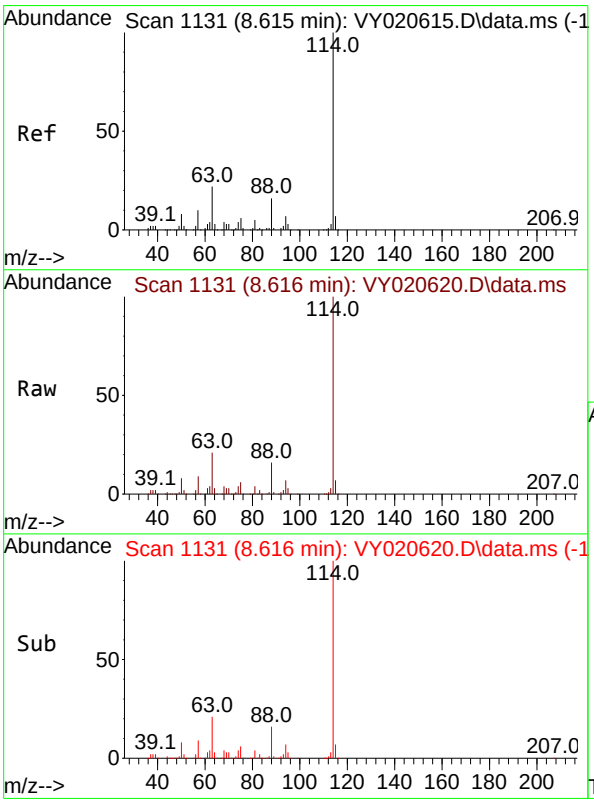
#33
1,2-Dichloroethane-d4
Concen: 41.971 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 65 Resp: 79812

Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	108.0

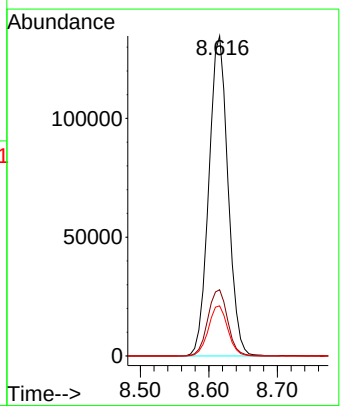


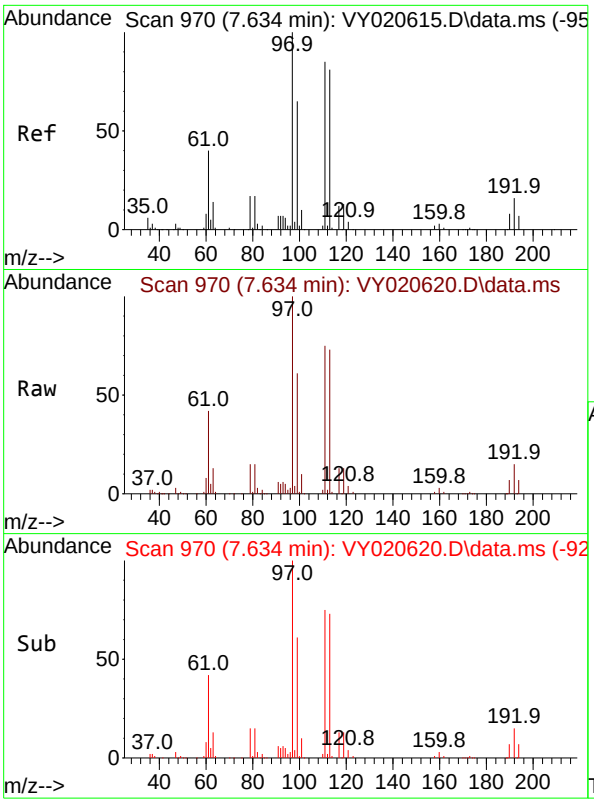


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:114 Resp: 261652

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	44.0
88	15.6	0.0	32.8



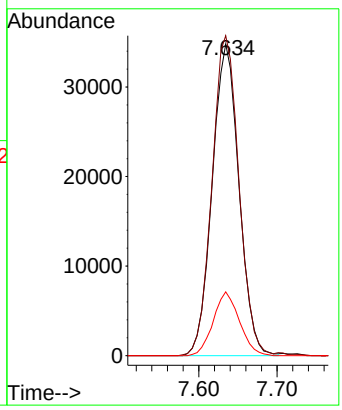


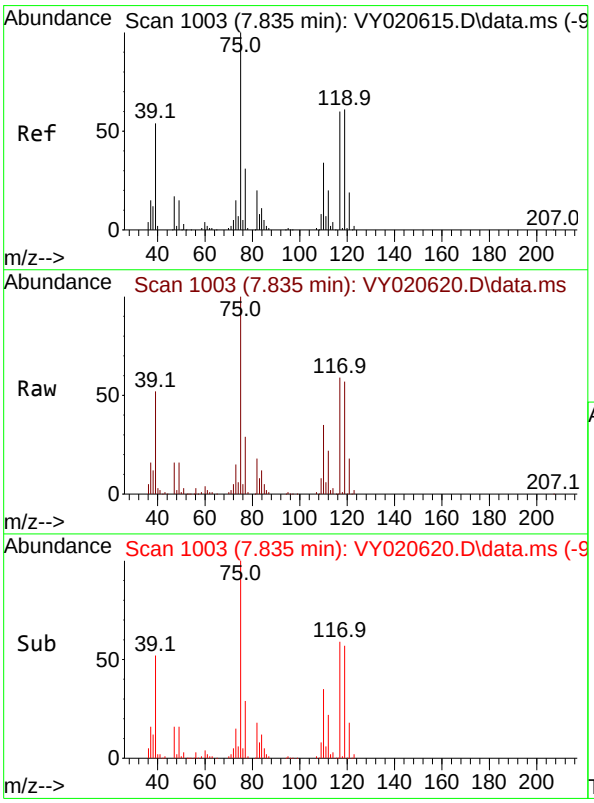
#35
Dibromofluoromethane
Concen: 44.743 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion:113 Resp: 82508

Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.9	124.3
192	20.0	15.7	23.5

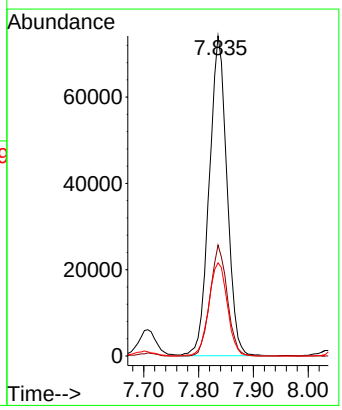


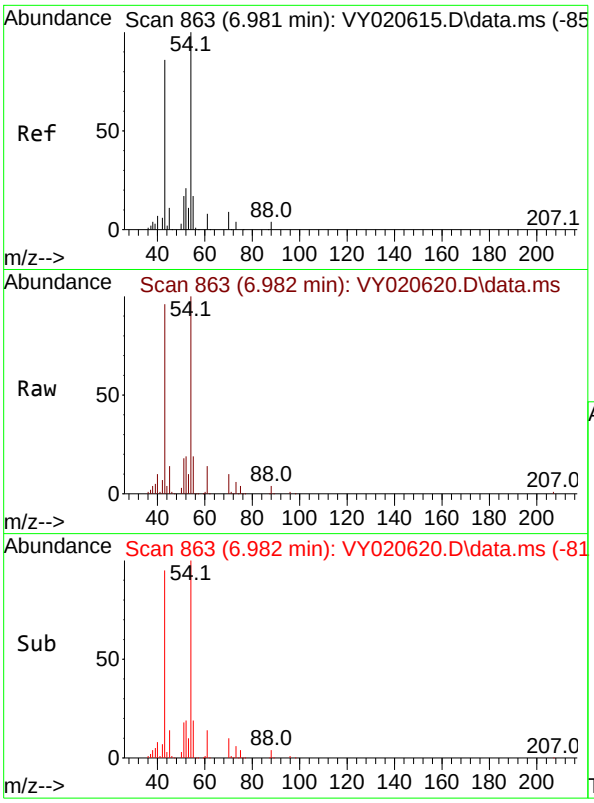


#36
1,1-Dichloropropene
Concen: 49.418 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 75 Resp: 166171

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.8	50.4
77	30.5	25.0	37.6



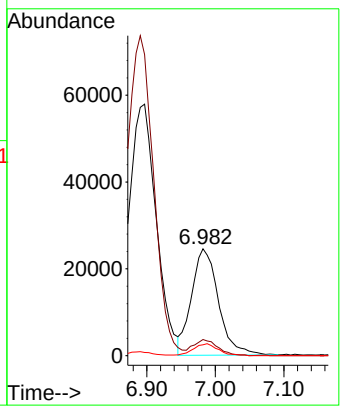


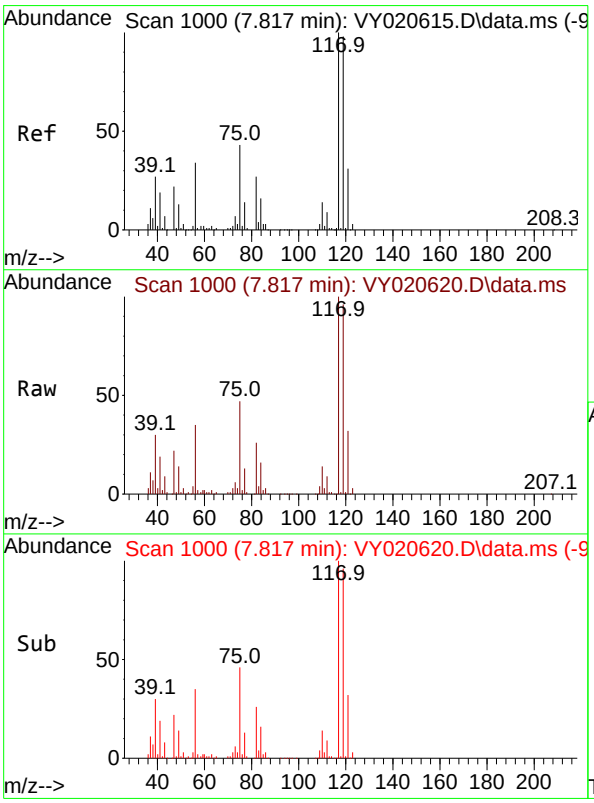
#37
Ethyl Acetate
Concen: 42.490 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 43 Resp: 67205

Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.0	16.4
70	10.4	7.9	11.9

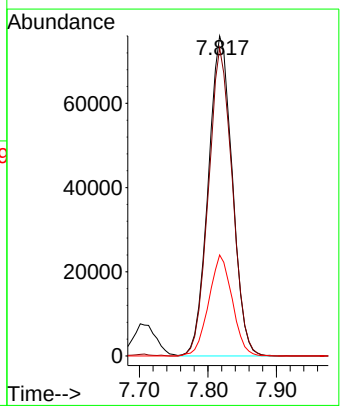


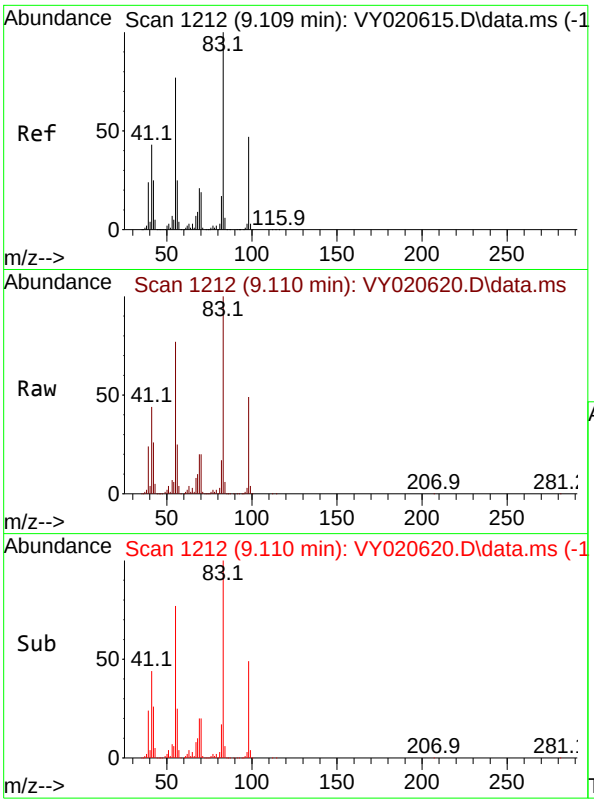


#38
Carbon Tetrachloride
Concen: 49.800 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:117 Resp: 185268

Ion	Ratio	Lower	Upper
117	100		
119	96.3	78.3	117.5
121	31.5	25.1	37.7



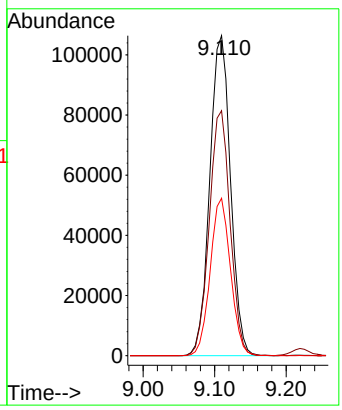


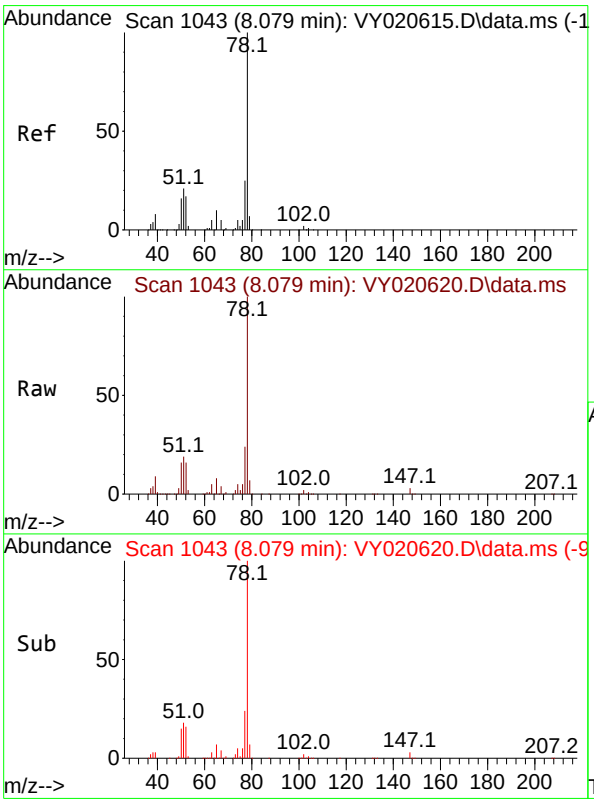
#39
Methylcyclohexane
Concen: 48.913 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 83 Resp: 214365

Ion	Ratio	Lower	Upper
83	100		
55	76.6	61.4	92.0
98	49.2	37.3	55.9

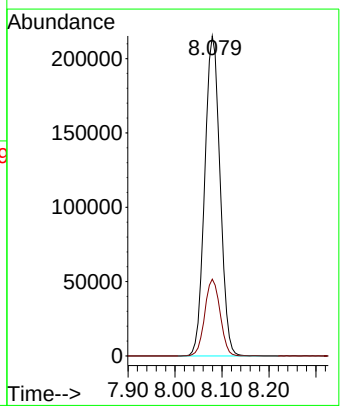


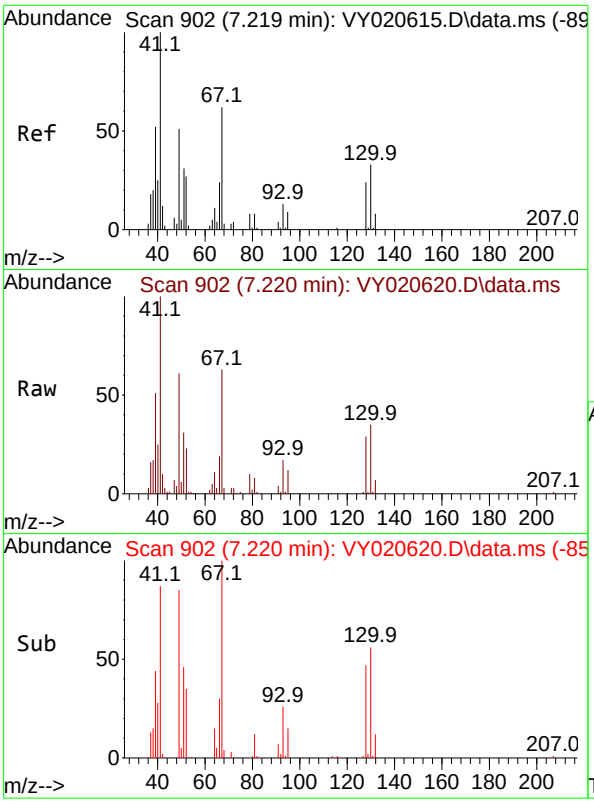


#40
Benzene
Concen: 49.357 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 78 Resp: 486468

Ion	Ratio	Lower	Upper
78	100		
77	24.0	20.1	30.1



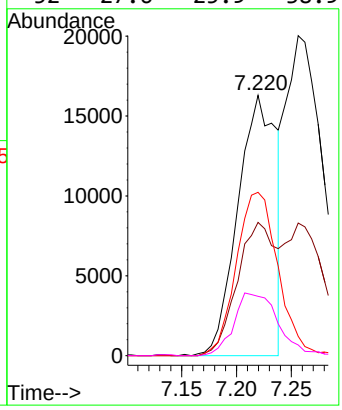


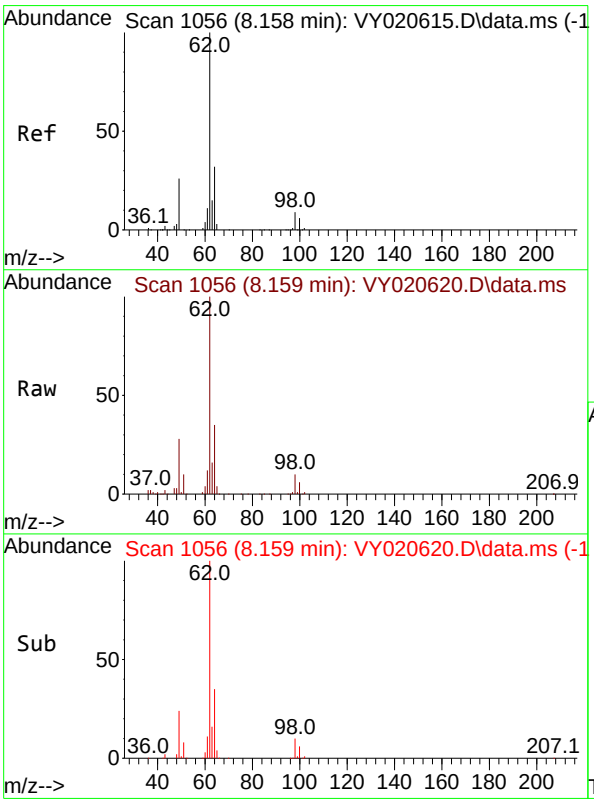
#41
Methacrylonitrile
Concen: 47.631 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 41 Resp: 39828

Ion	Ratio	Lower	Upper
41	100		
39	51.2	53.6	80.4#
67	68.3	62.0	93.0
52	27.6	25.9	38.9

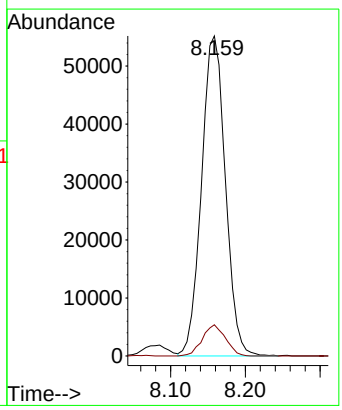


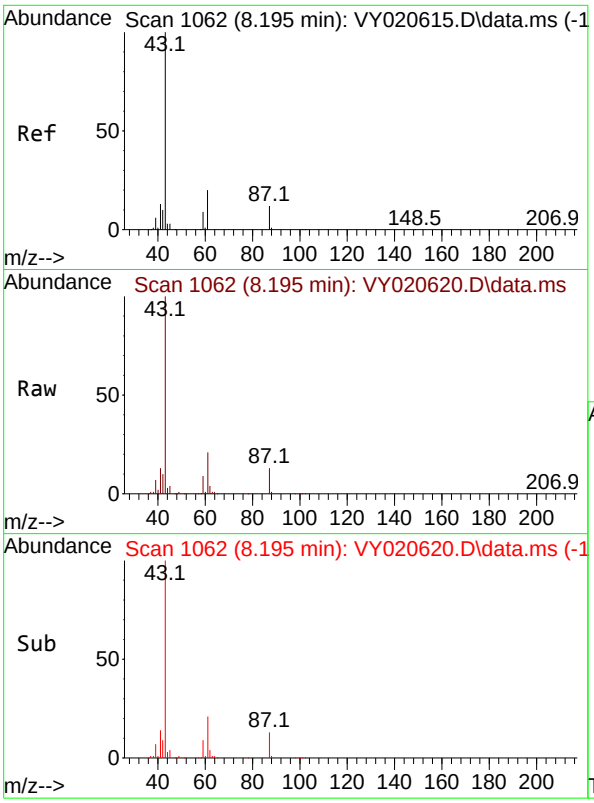


#42
1,2-Dichloroethane
Concen: 46.869 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 62 Resp: 122520

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.0



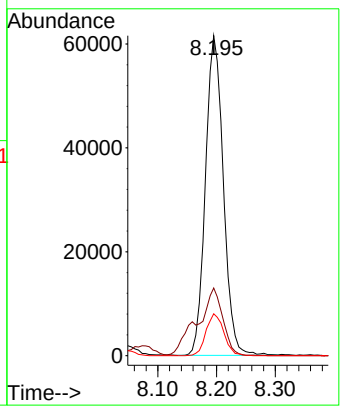


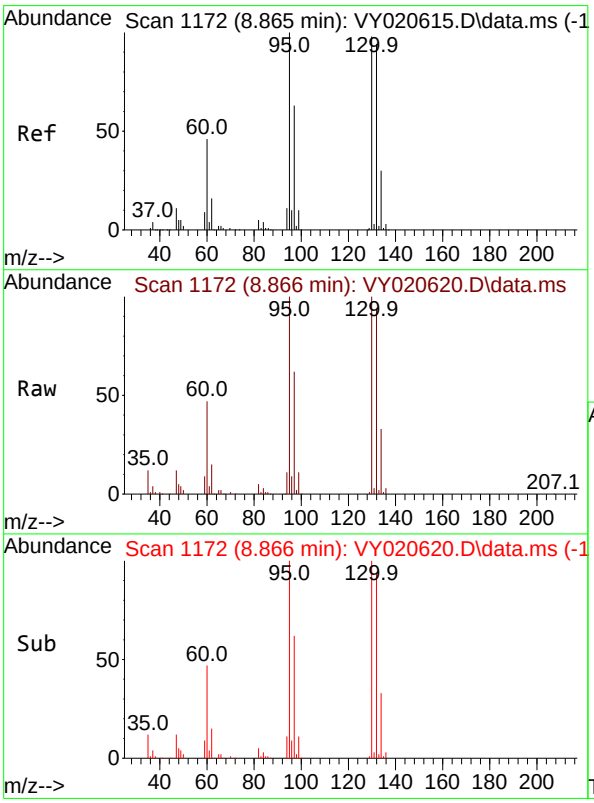
#43
Isopropyl Acetate
Concen: 43.528 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 43 Resp: 130339

Ion	Ratio	Lower	Upper
43	100		
61	20.2	23.8	35.6#
87	13.1	10.2	15.4

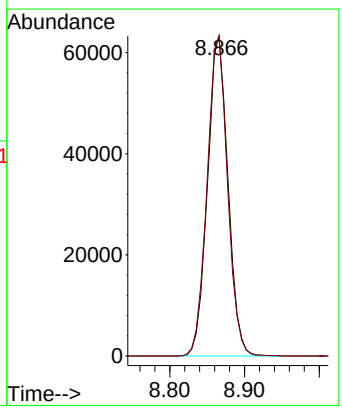


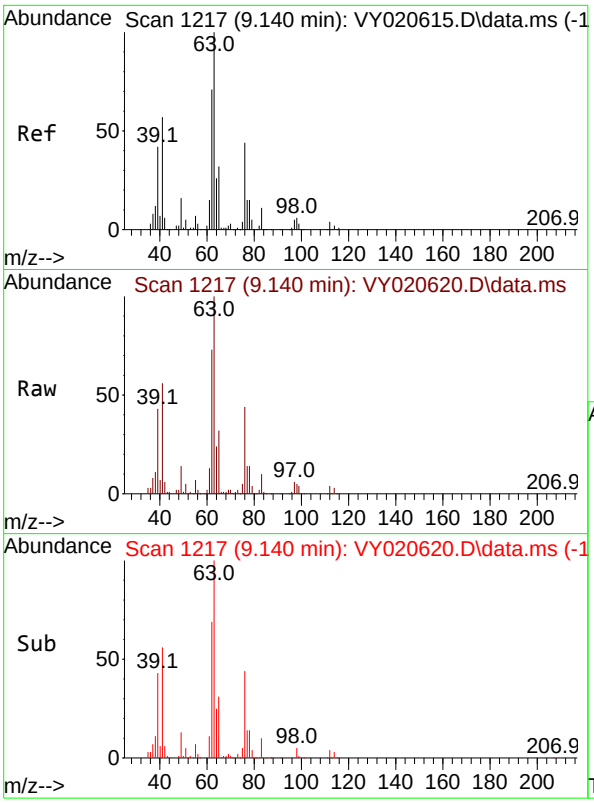


#44
Trichloroethene
Concen: 49.555 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:130 Resp: 120014

Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	203.2



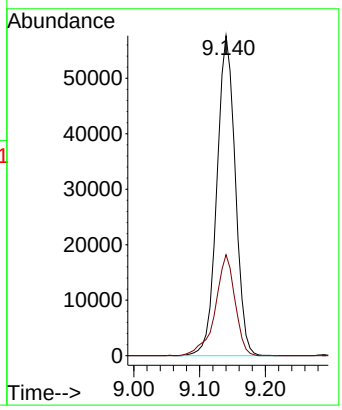


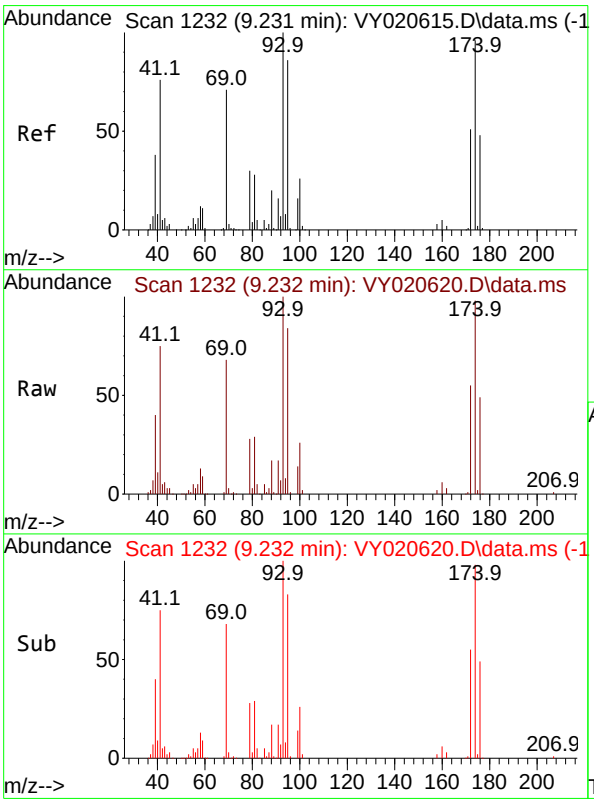
#45
1,2-Dichloropropane
Concen: 48.695 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 63 Resp: 112171

Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.9	38.9

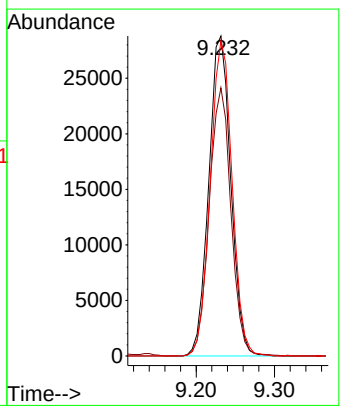


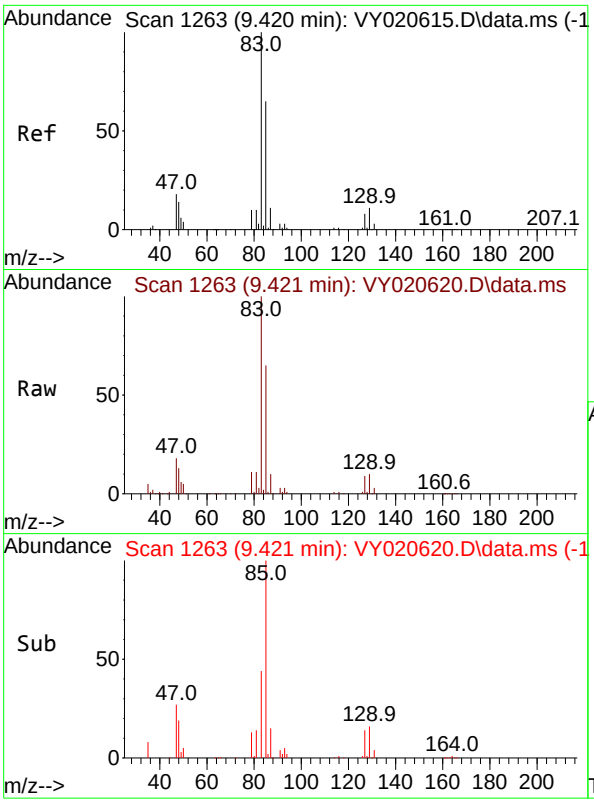


#46
Dibromomethane
Concen: 46.265 ug/l
RT: 9.232 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 93 Resp: 56323

Ion	Ratio	Lower	Upper
93	100		
95	82.4	66.7	100.1
174	97.6	77.8	116.6



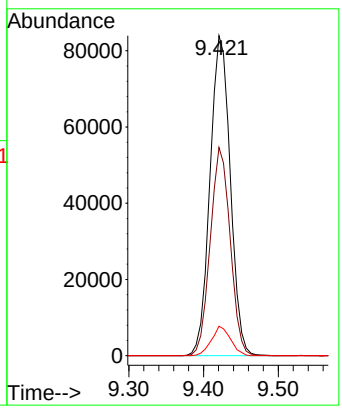


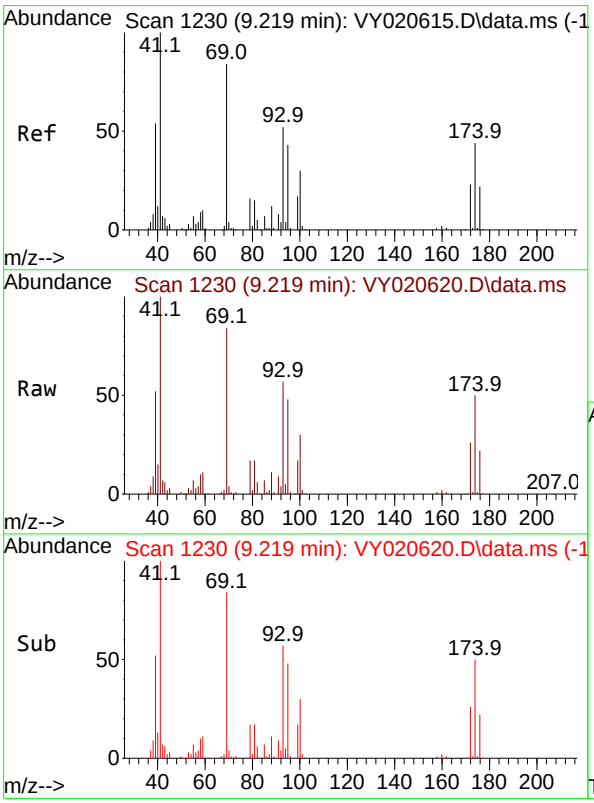
#47
Bromodichloromethane
Concen: 48.208 ug/l
RT: 9.421 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 83 Resp: 158529

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.1	78.1
127	9.2	6.7	10.1

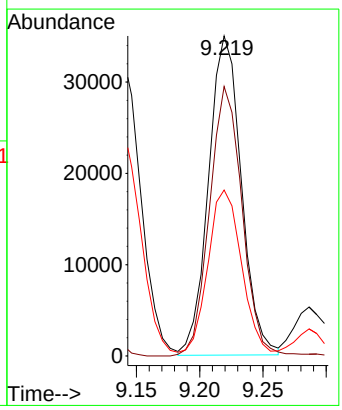


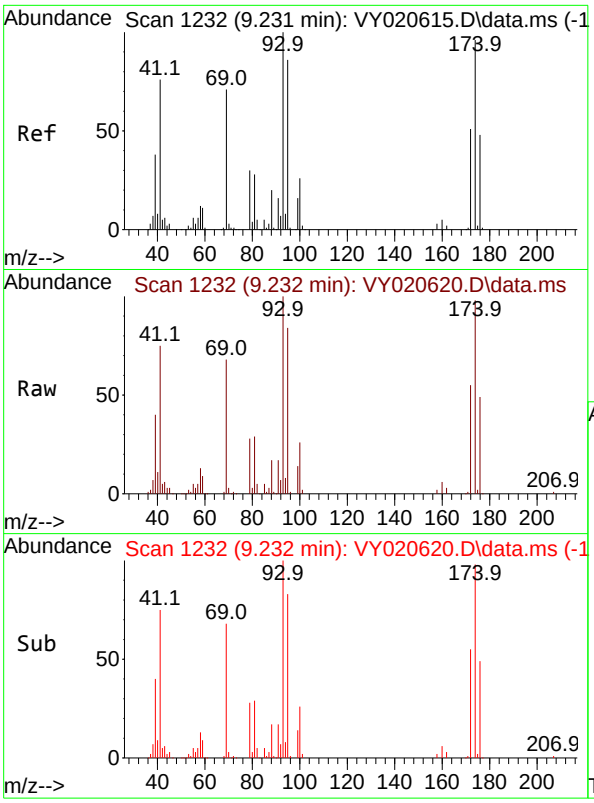


#48
Methyl methacrylate
Concen: 44.268 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 41 Resp: 63016

Ion	Ratio	Lower	Upper
41	100		
69	84.2	67.2	100.8
39	51.5	42.2	63.4



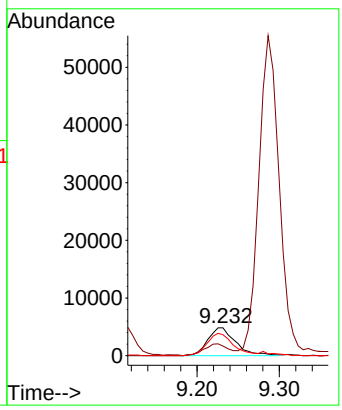


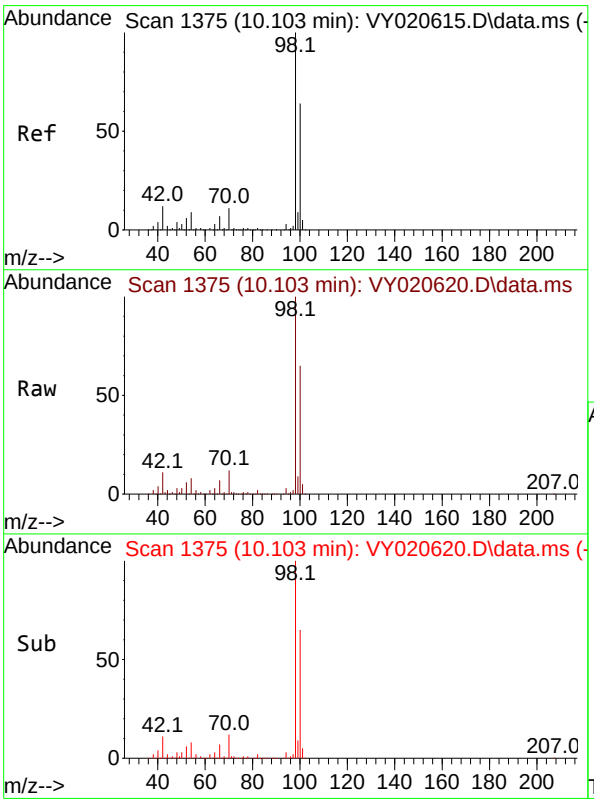
#49
1,4-Dioxane
Concen: 816.119 ug/l
RT: 9.232 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 88 Resp: 11394

Ion	Ratio	Lower	Upper
88	100		
43	38.7	27.6	41.4
58	75.9	61.7	92.5

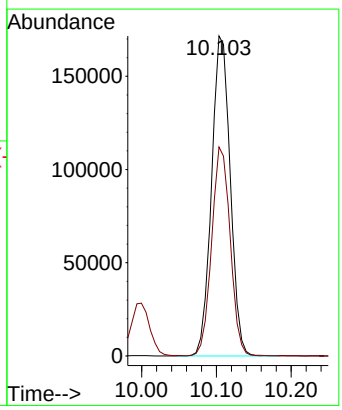


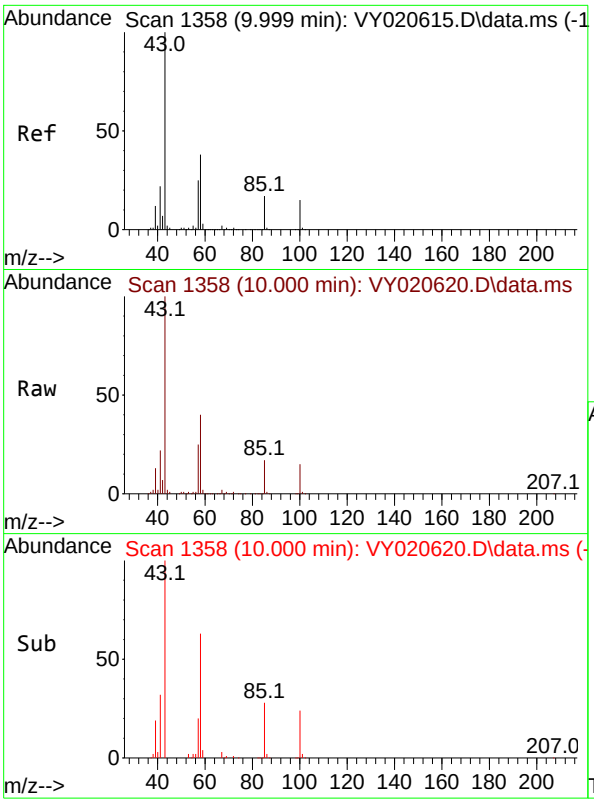


#50
Toluene-d8
Concen: 46.169 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 98 Resp: 297999

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1



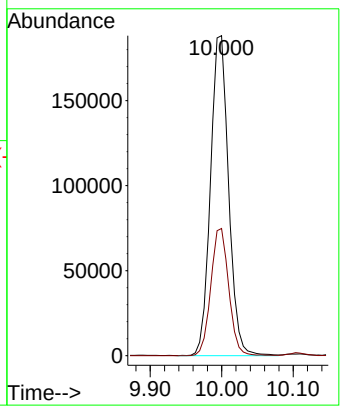


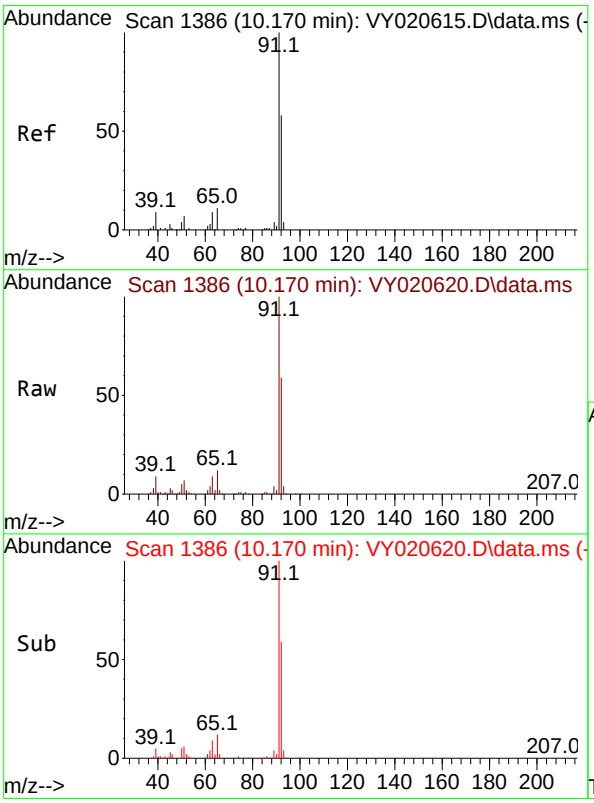
#51
4-Methyl-2-Pentanone
Concen: 209.670 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 43 Resp: 331396

Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.4	47.2

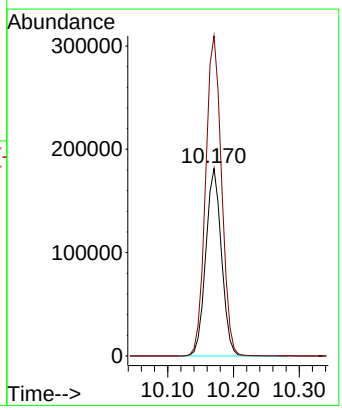


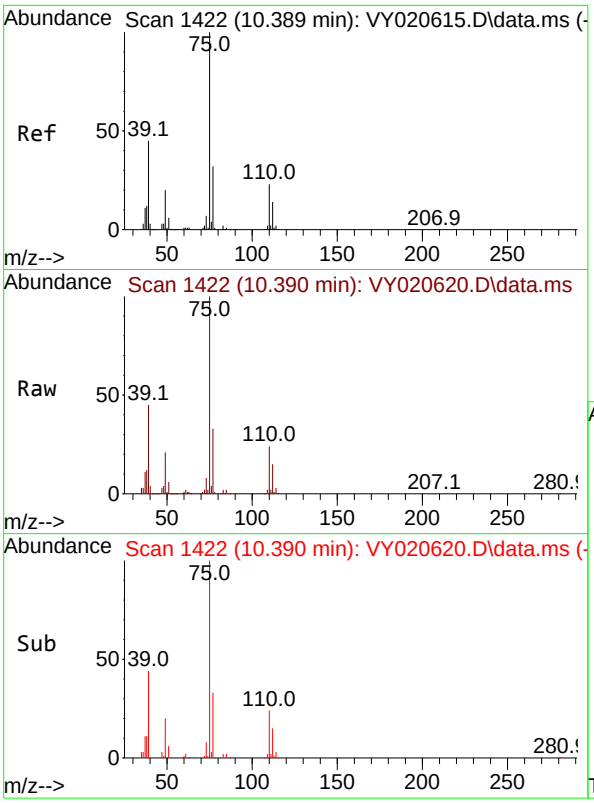


#52
Toluene
Concen: 49.073 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 92 Resp: 300584

Ion	Ratio	Lower	Upper
92	100		
91	173.8	137.4	206.0



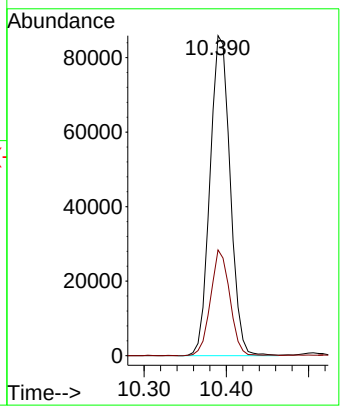


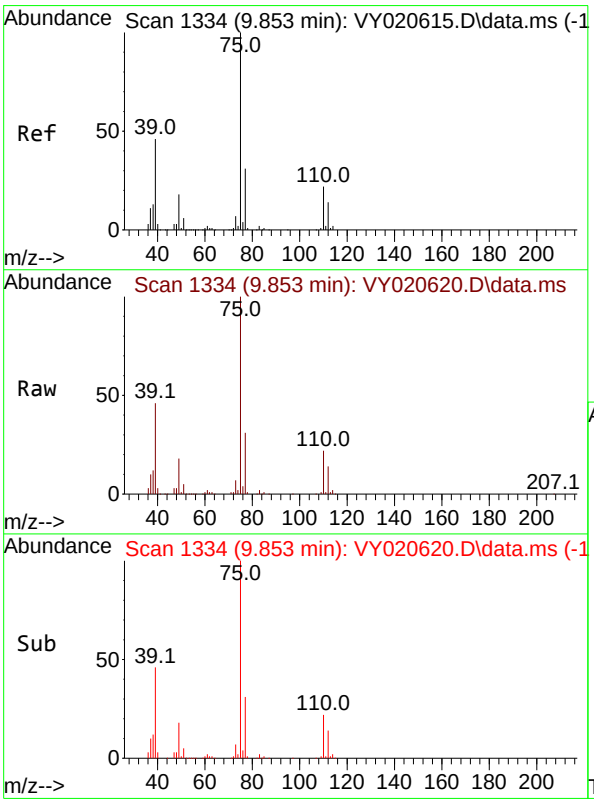
#53
t-1,3-Dichloropropene
Concen: 47.810 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 75 Resp: 146498

Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.4	38.2

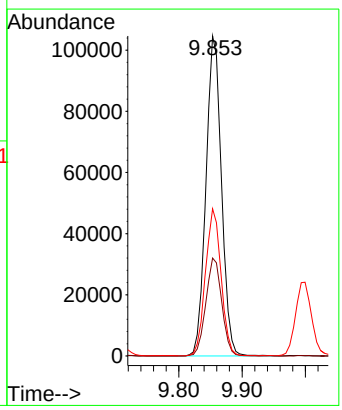


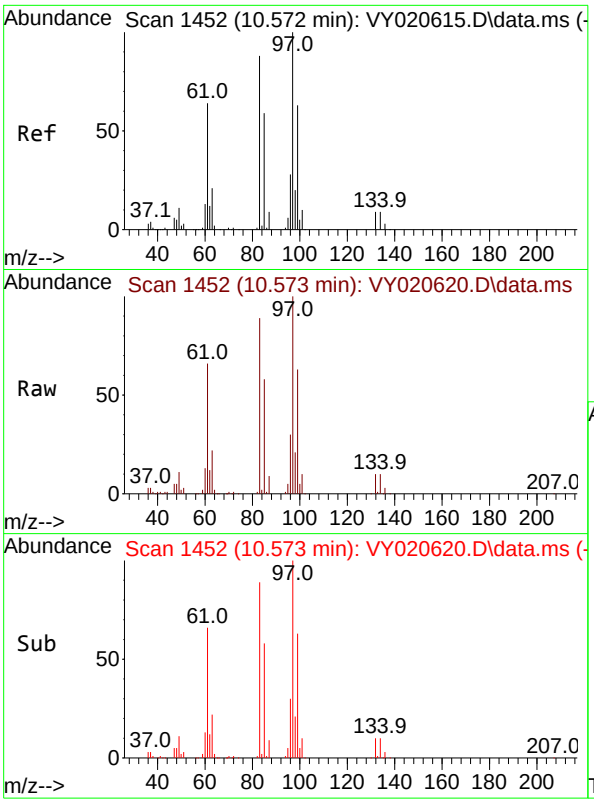


#54
cis-1,3-Dichloropropene
Concen: 49.184 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 75 Resp: 178584

Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.6	36.8
39	45.9	36.4	54.6



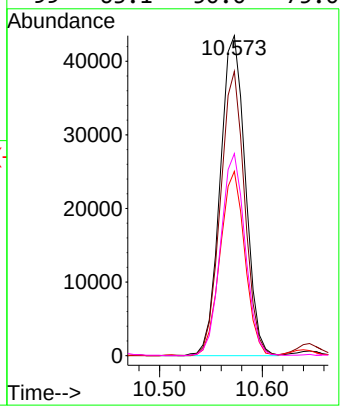


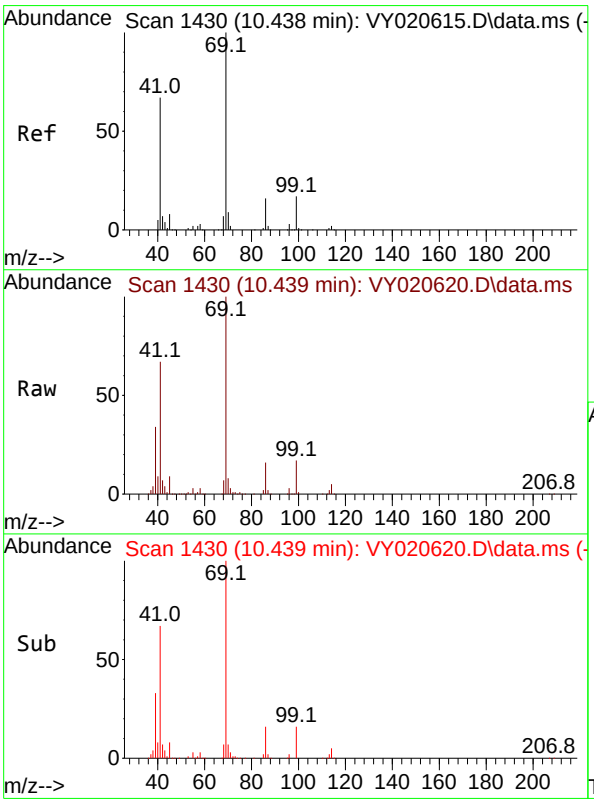
#55
1,1,2-Trichloroethane
Concen: 45.952 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 97 Resp: 73962

Ion	Ratio	Lower	Upper
97	100		
83	88.7	70.4	105.6
85	57.6	47.2	70.8
99	63.1	50.0	75.0

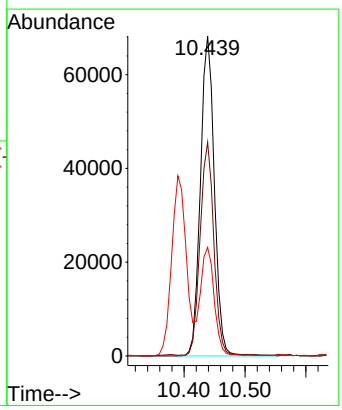


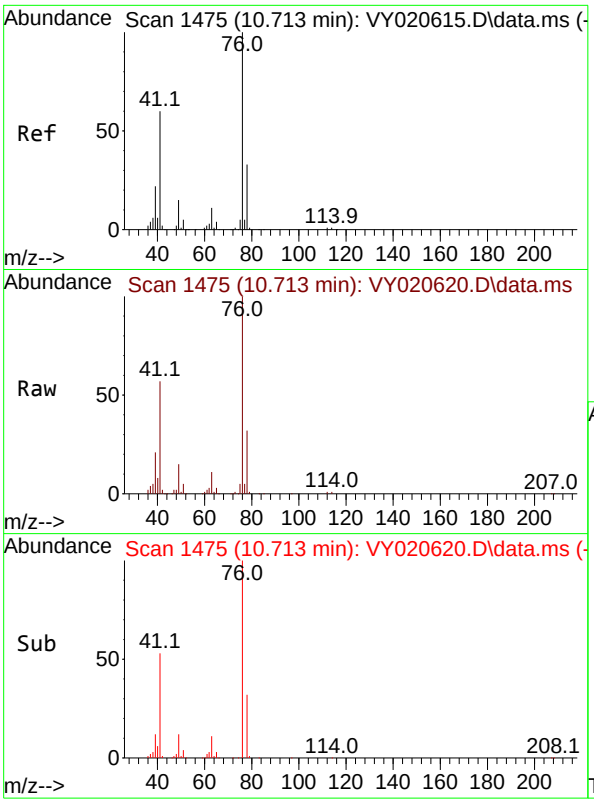


#56
Ethyl methacrylate
Concen: 46.525 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 69 Resp: 108638

Ion	Ratio	Lower	Upper
69	100		
41	65.7	54.0	81.0
39	34.3	27.9	41.9



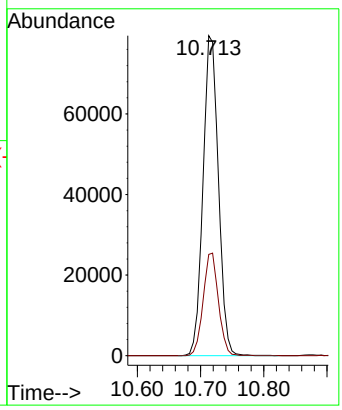


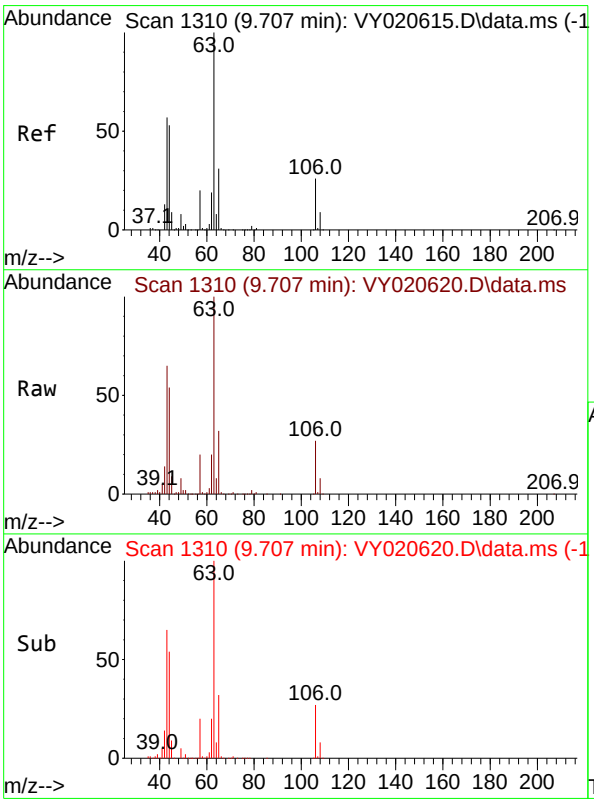
#57
1,3-Dichloropropane
Concen: 46.882 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 76 Resp: 134515

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.8	38.8

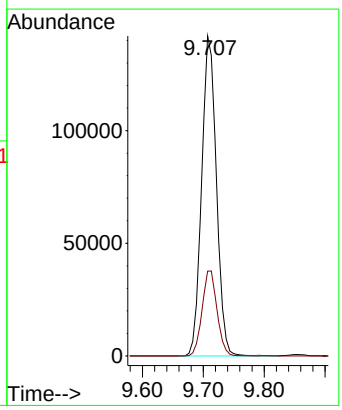


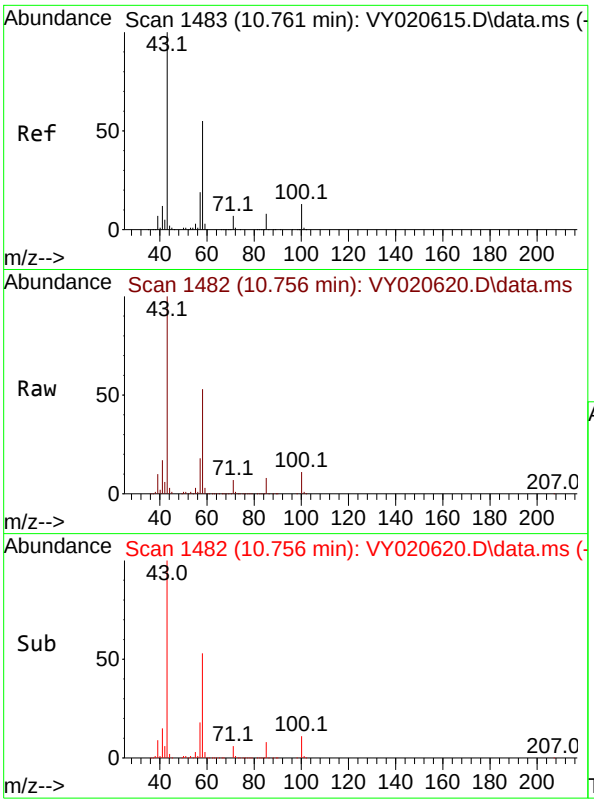


#58
2-Chloroethyl Vinyl ether
Concen: 243.610 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 63 Resp: 239347

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.5	32.3



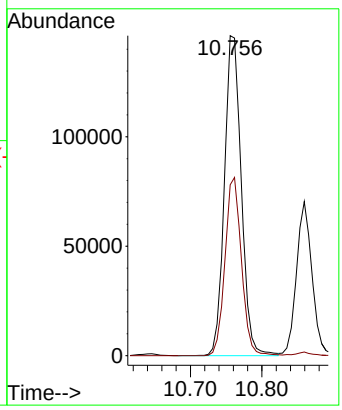


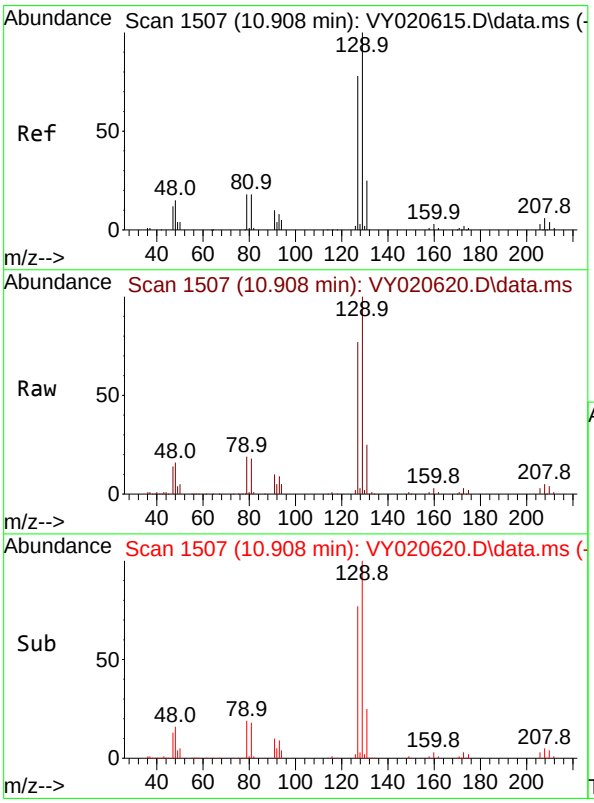
#59
2-Hexanone
Concen: 236.822 ug/l
RT: 10.756 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 43 Resp: 240324

Ion	Ratio	Lower	Upper
43	100		
58	54.2	27.2	81.6

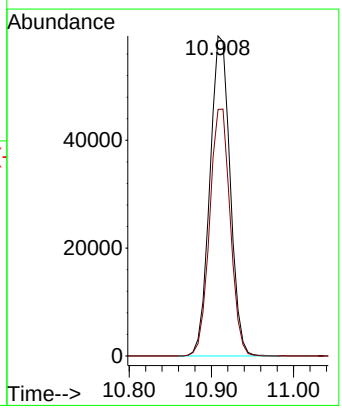


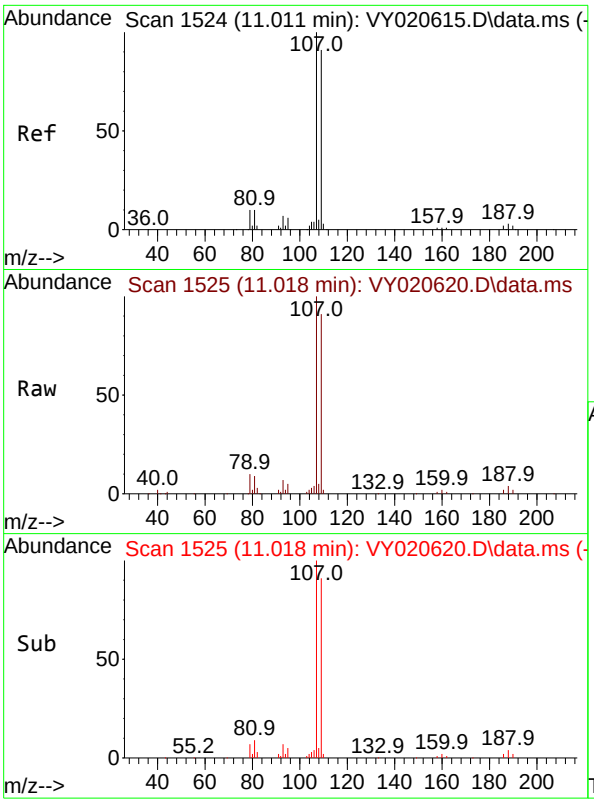


#60
Dibromochloromethane
Concen: 47.121 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:129 Resp: 101431

Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.1	114.3



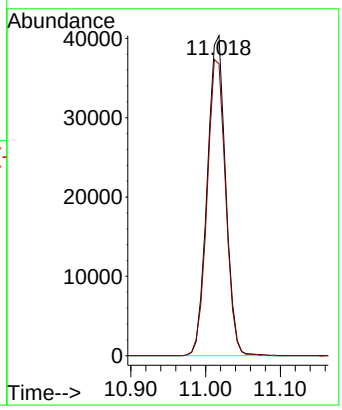


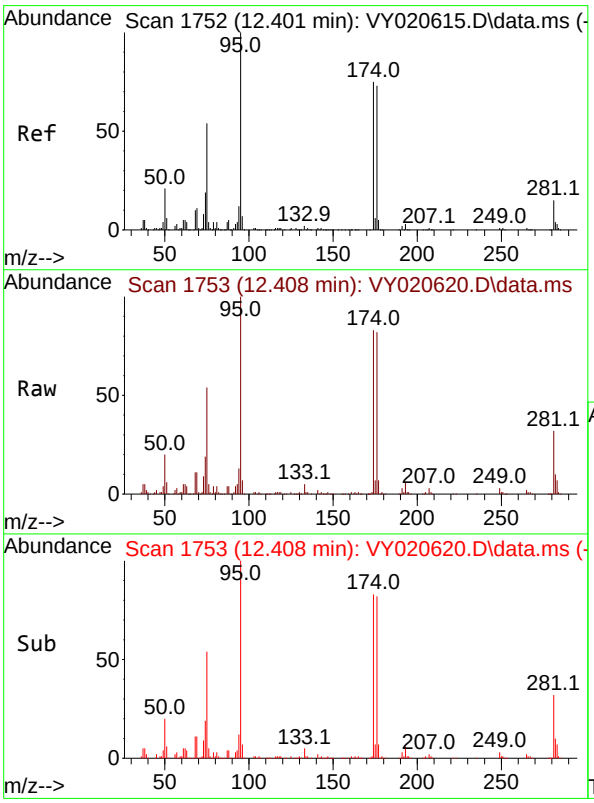
#61
1,2-Dibromoethane
Concen: 45.952 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion:107 Resp: 68798

Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.4	113.2

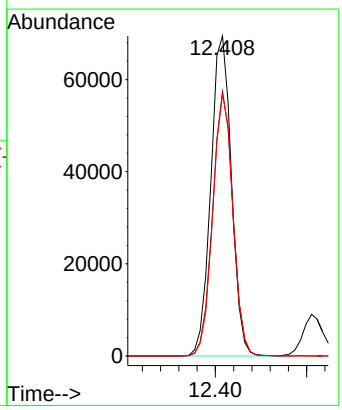


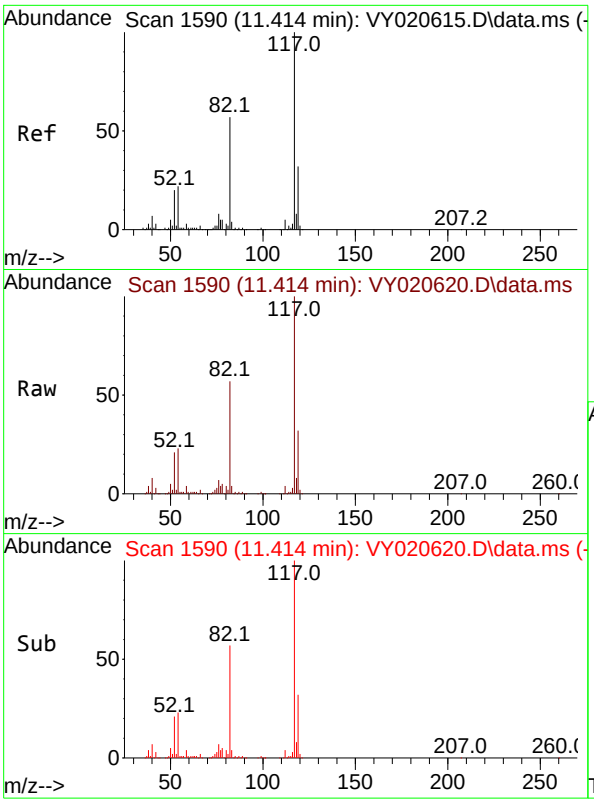


#62
4-Bromofluorobenzene
Concen: 42.982 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.007 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 95 Resp: 108522

Ion	Ratio	Lower	Upper
95	100		
174	81.1	0.0	161.8
176	80.1	0.0	156.6



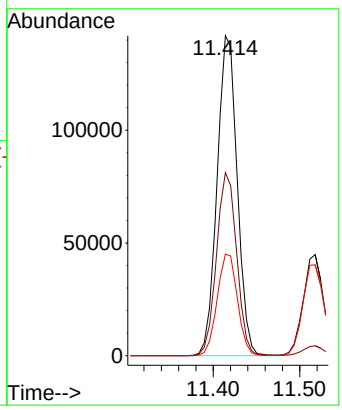


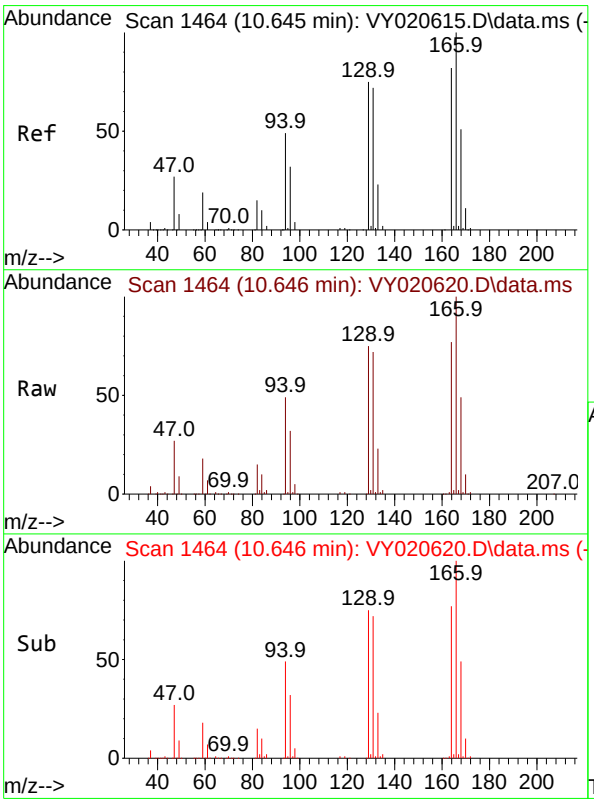
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion:117 Resp: 229207

Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.8	68.6
119	31.7	25.3	37.9

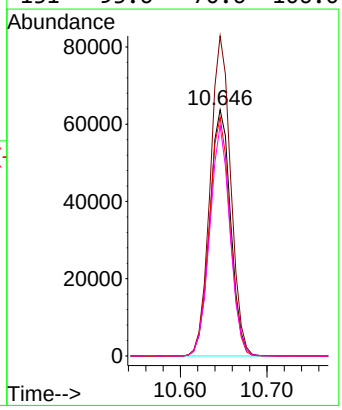


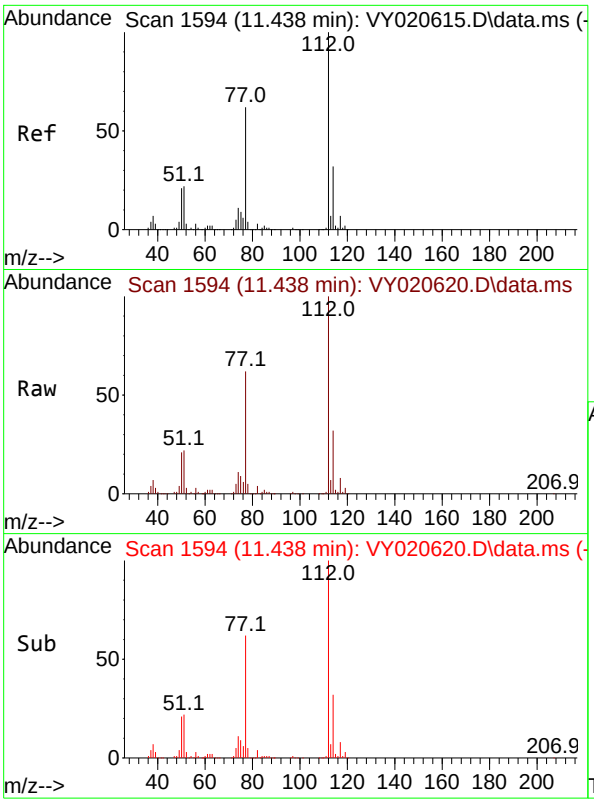


#64
Tetrachloroethene
Concen: 49.626 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:164 Resp: 106990

Ion	Ratio	Lower	Upper
164	100		
166	130.0	97.9	146.9
129	96.9	73.4	110.0
131	93.6	70.6	106.0



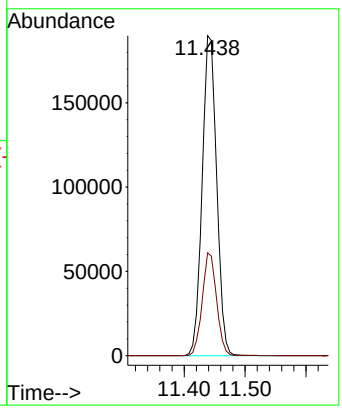


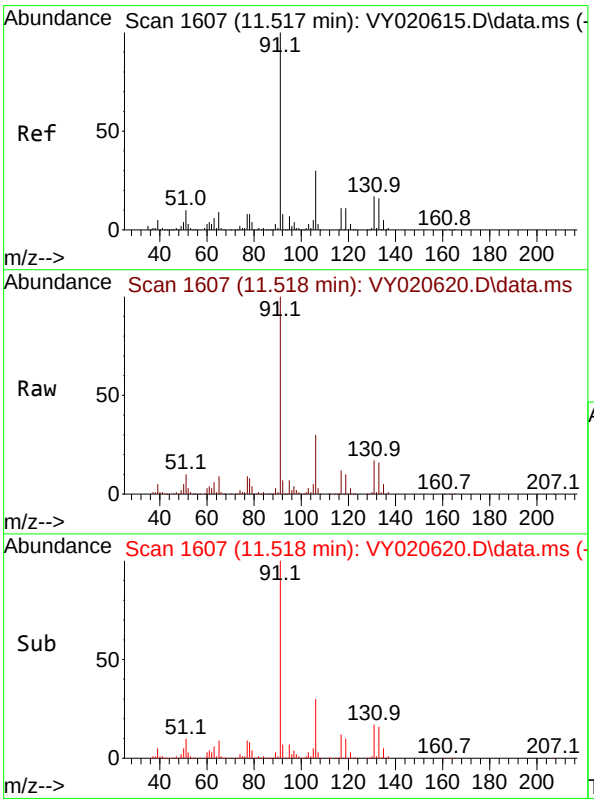
#65
Chlorobenzene
Concen: 48.986 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion:112 Resp: 313945

Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.0	39.0

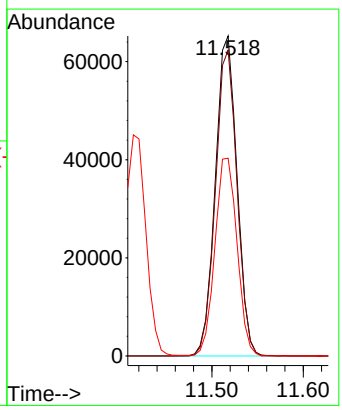


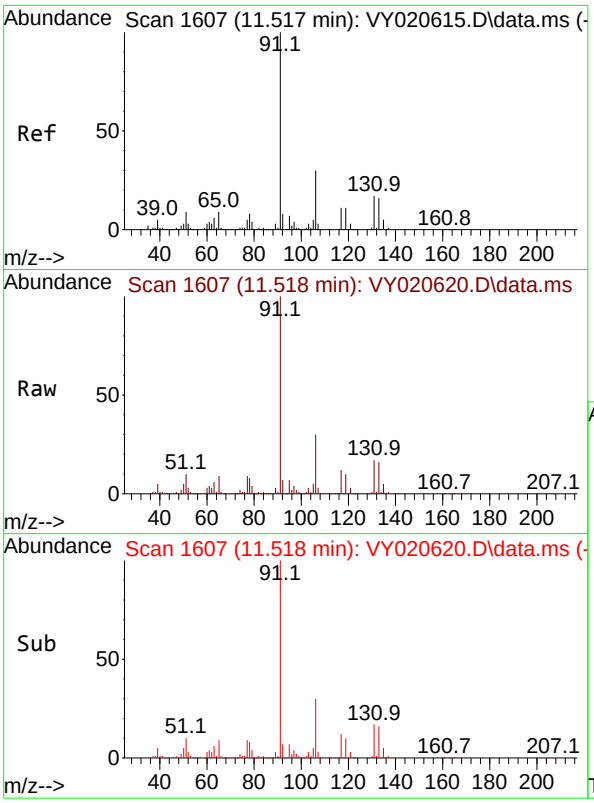


#66
1,1,1,2-Tetrachloroethane
Concen: 49.083 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:131 Resp: 107564

Ion	Ratio	Lower	Upper
131	100		
133	95.2	46.8	140.3
119	63.1	31.8	95.3



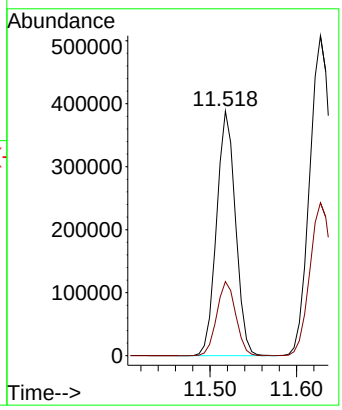


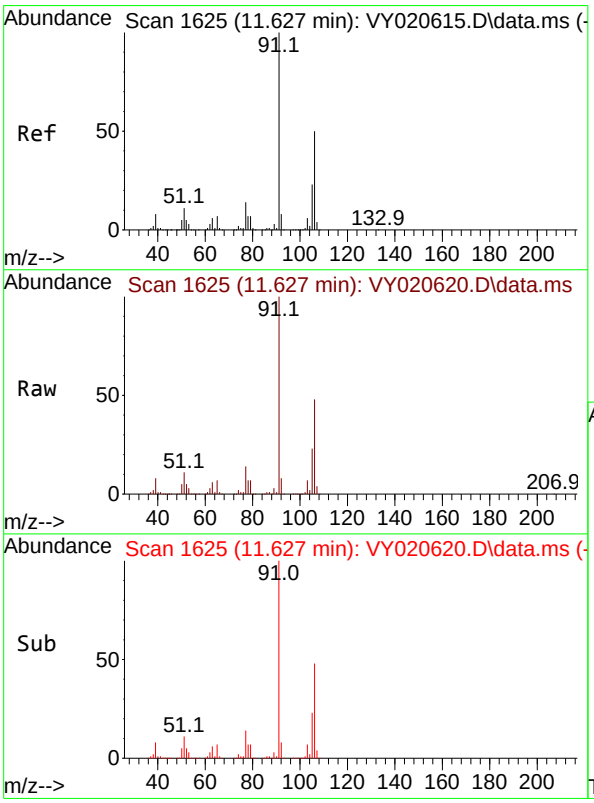
#67
Ethyl Benzene
Concen: 49.815 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 91 Resp: 588990

Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.9	35.9

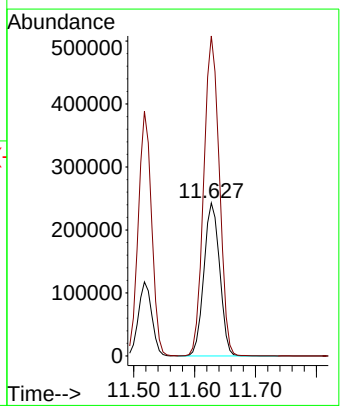


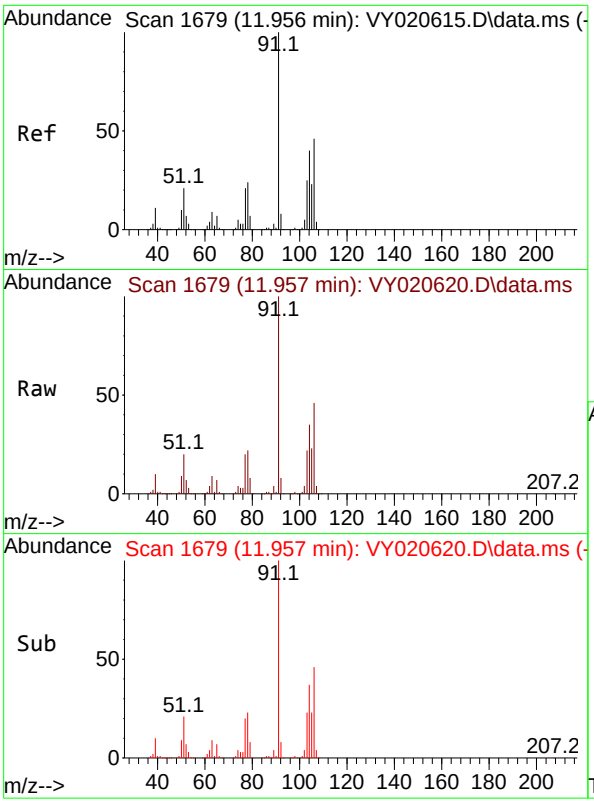


#68
m/p-Xylenes
Concen: 99.430 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:106 Resp: 437108

Ion	Ratio	Lower	Upper
106	100		
91	206.6	165.0	247.4



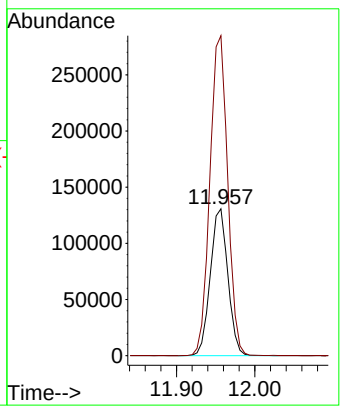


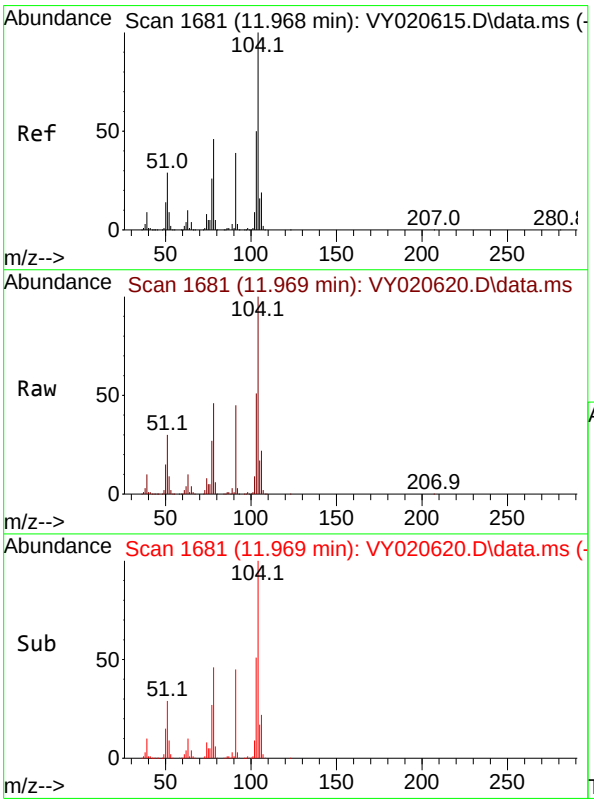
#69
o-Xylene
Concen: 49.568 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion:106 Resp: 203316

Ion	Ratio	Lower	Upper
106	100		
91	220.3	108.4	325.2

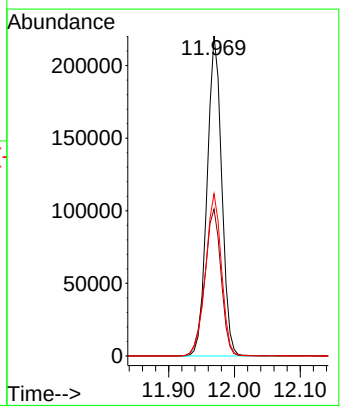


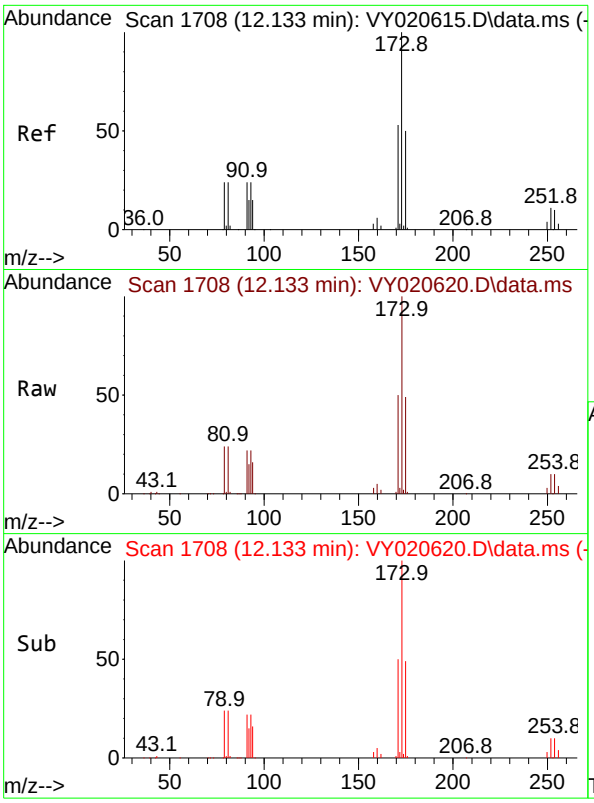


#70
Styrene
Concen: 49.827 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:104 Resp: 341470

Ion	Ratio	Lower	Upper
104	100		
78	51.2	41.6	62.4
103	55.0	43.7	65.5



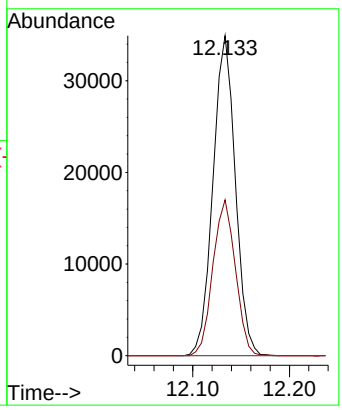


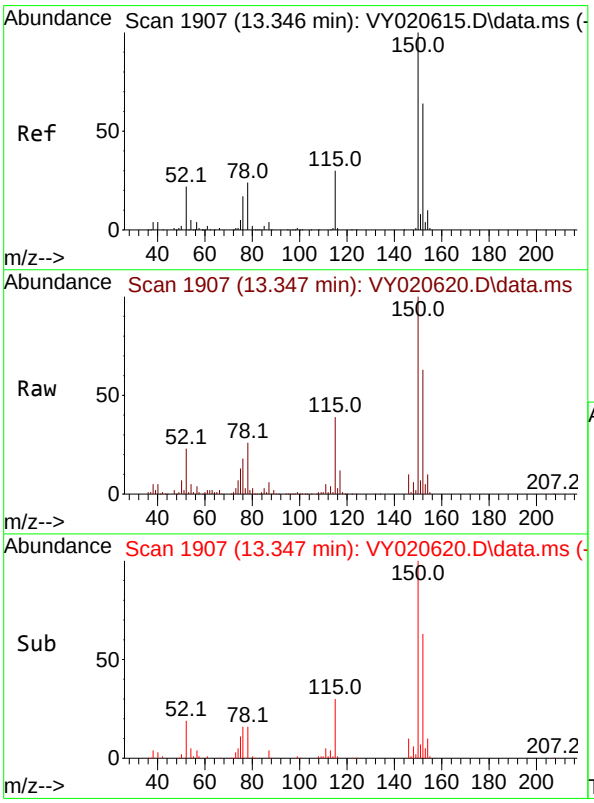
#71
Bromoform
Concen: 45.451 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion:173 Resp: 56002

Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.6	74.0
254	0.0	0.0	0.0

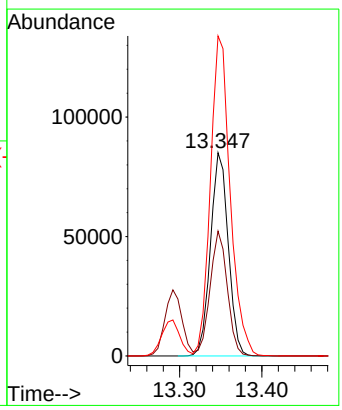


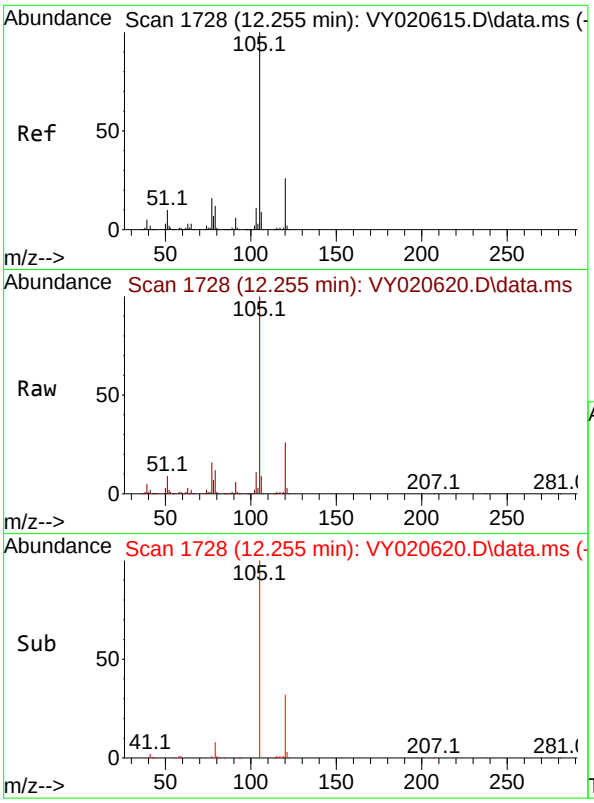


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:152 Resp: 127757

Ion	Ratio	Lower	Upper
152	100		
115	59.6	30.2	90.6
150	175.1	0.0	355.4



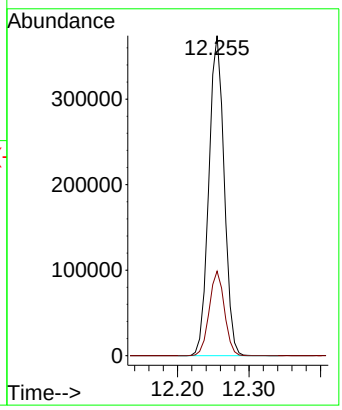


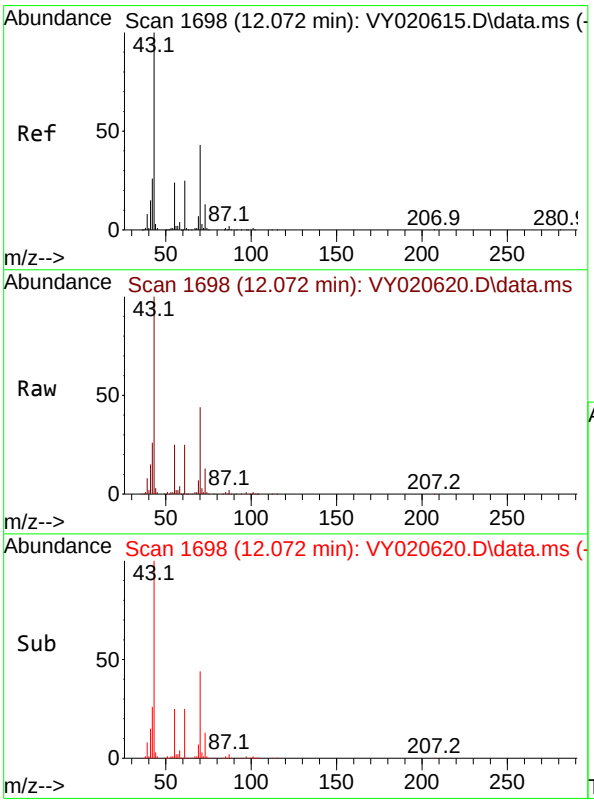
#73
Isopropylbenzene
Concen: 49.908 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion:105 Resp: 556414

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.1	39.1

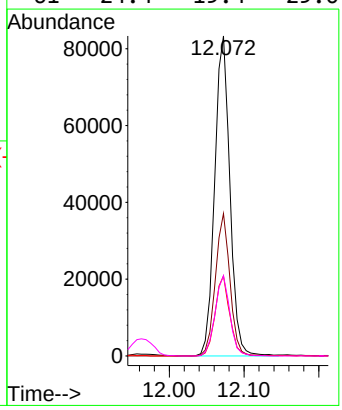


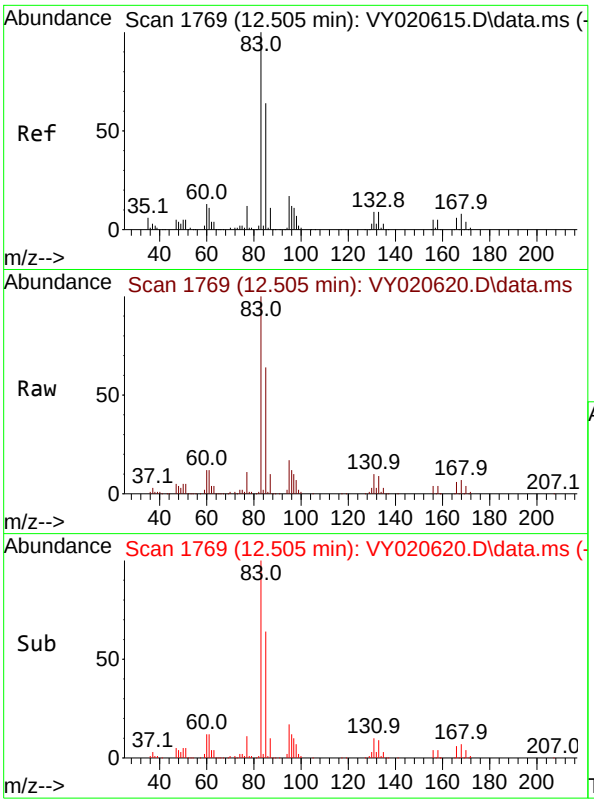


#74
N-amyl acetate
Concen: 45.328 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 43 Resp: 118269

Ion	Ratio	Lower	Upper
43	100		
70	42.7	34.2	51.2
55	24.2	19.6	29.4
61	24.4	19.4	29.0



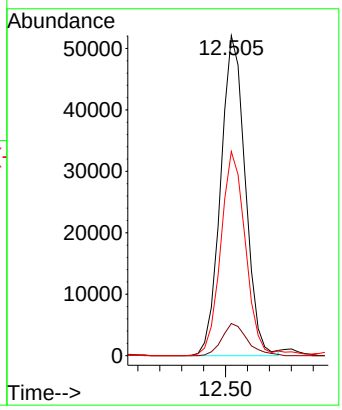


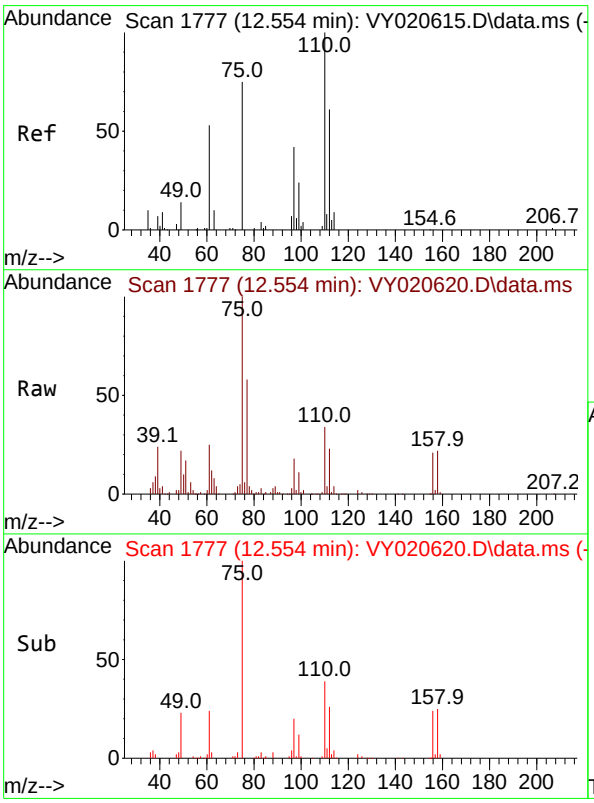
#75
1,1,2,2-Tetrachloroethane
Concen: 44.824 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 83 Resp: 81117

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.2	15.6
85	64.7	32.5	97.4

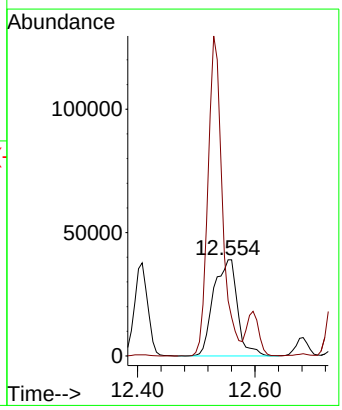


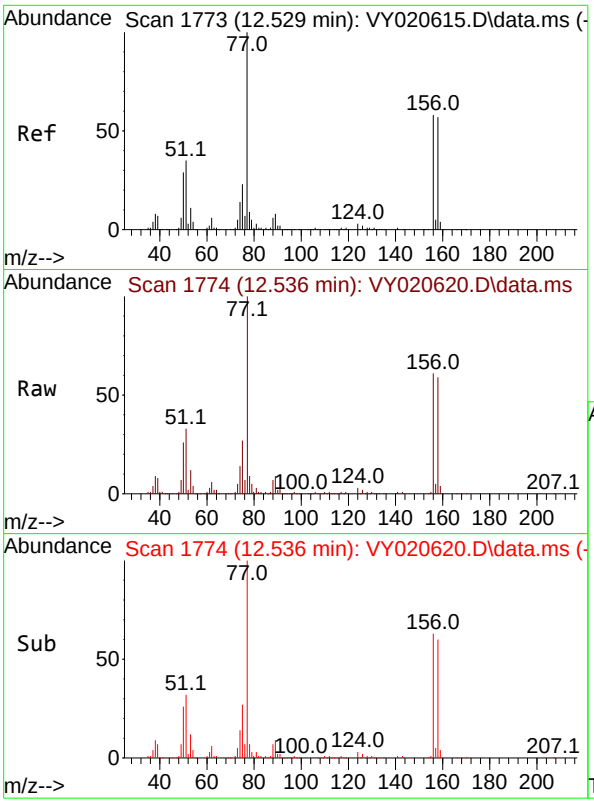


#76
1,2,3-Trichloropropane
Concen: 82.838 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 75 Resp: 109938

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



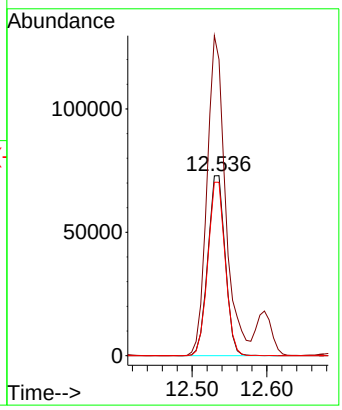


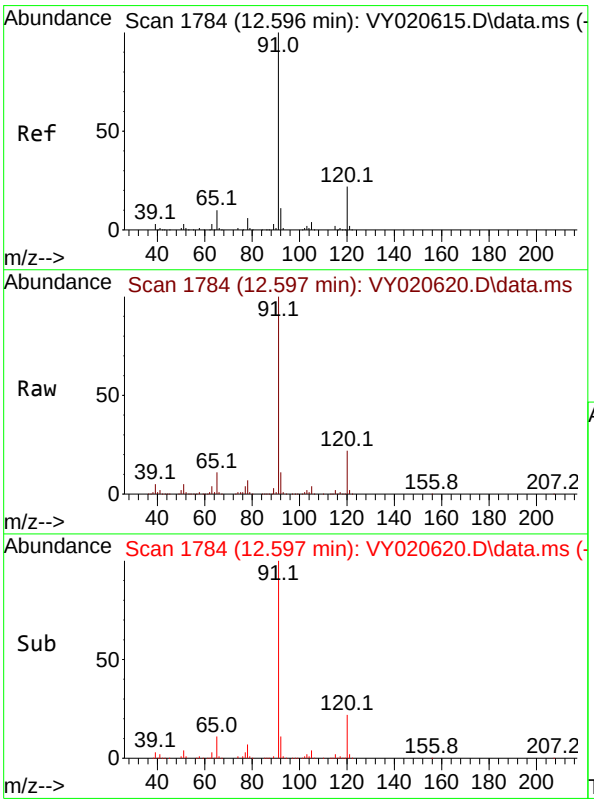
#77
Bromobenzene
Concen: 48.267 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion:156 Resp: 117217

Ion	Ratio	Lower	Upper
156	100		
77	190.2	94.2	282.4
158	96.8	48.9	146.6

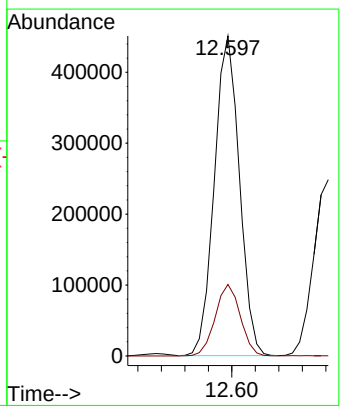


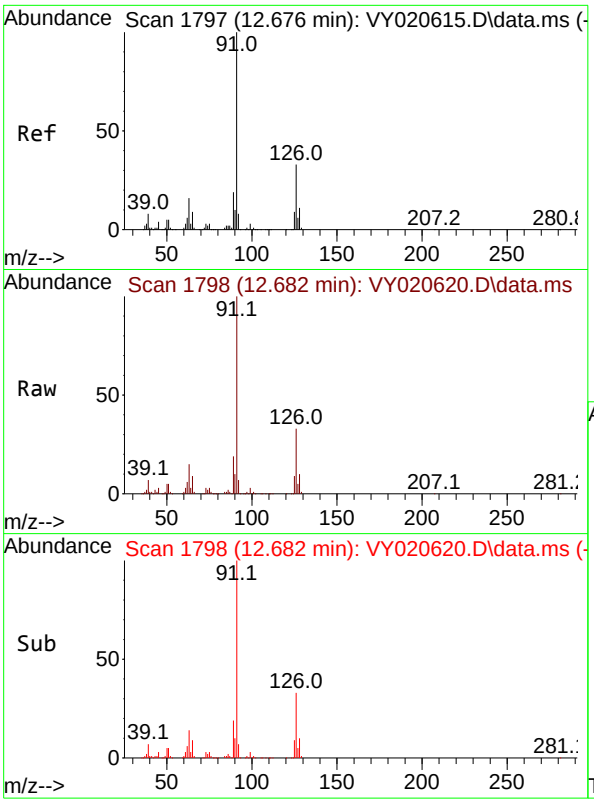


#78
n-propylbenzene
Concen: 49.775 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 91 Resp: 668577

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1



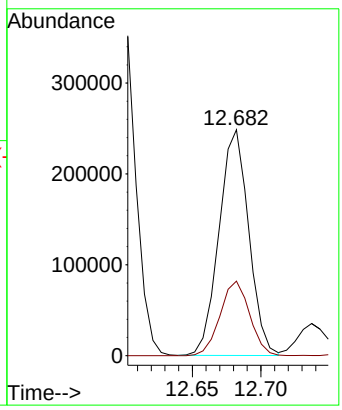


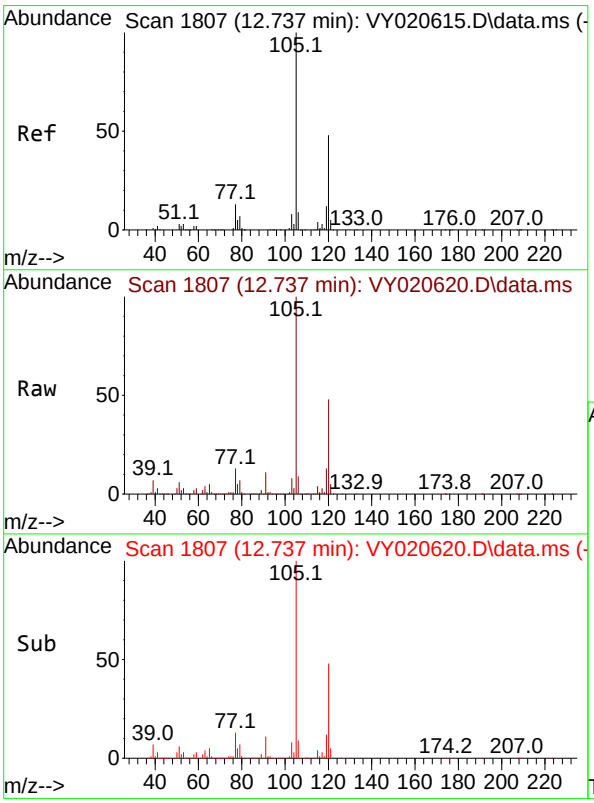
#79
2-Chlorotoluene
Concen: 49.628 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 91 Resp: 375047

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.6	49.7

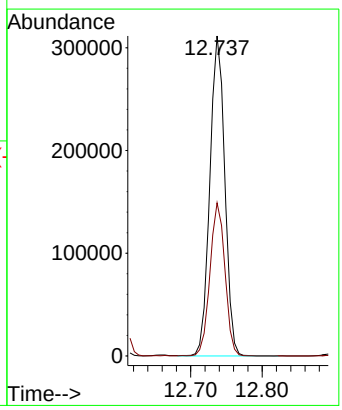


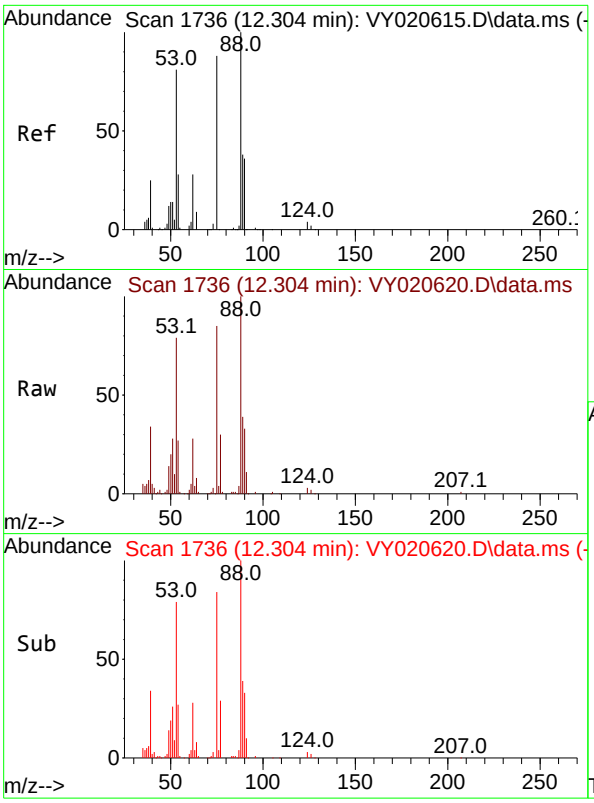


#80
1,3,5-Trimethylbenzene
Concen: 49.995 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:105 Resp: 452266

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.9	71.7



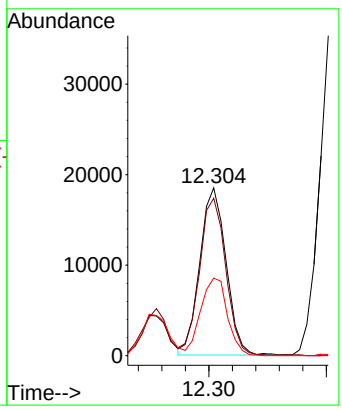


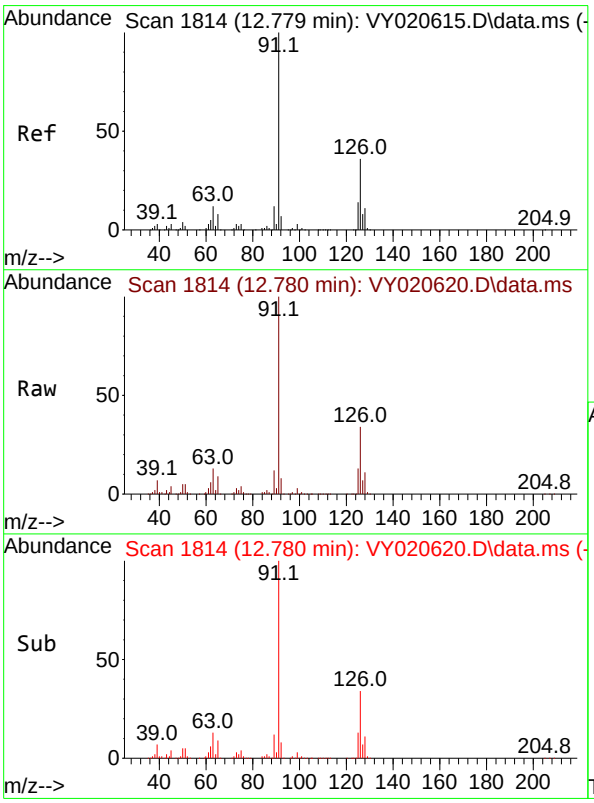
#81
trans-1,4-Dichloro-2-butene
Concen: 45.313 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 75 Resp: 28650

Ion	Ratio	Lower	Upper
75	100		
53	93.4	75.4	113.2
89	47.1	37.0	55.4

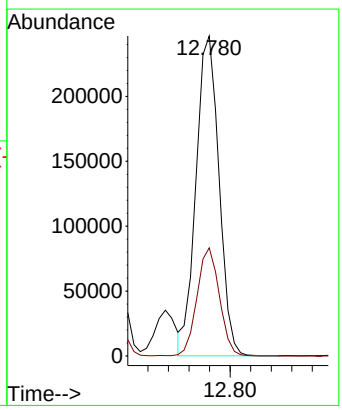


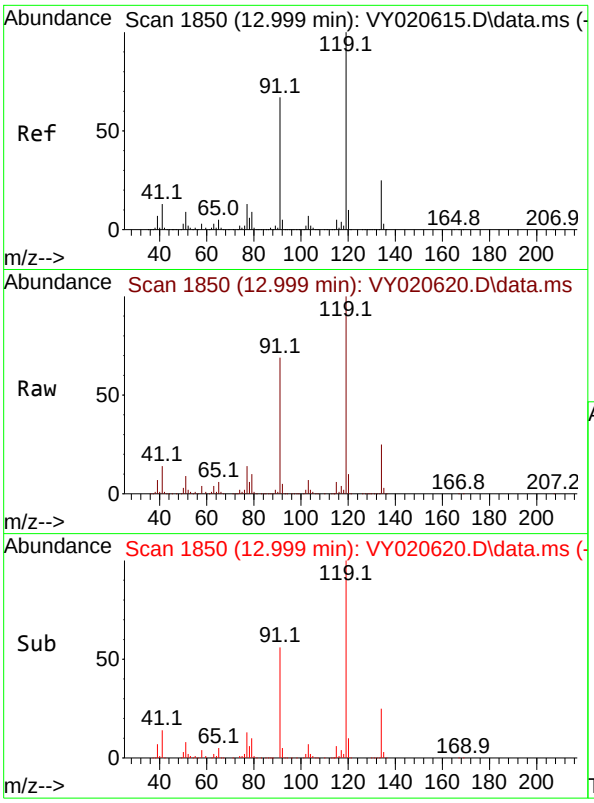


#82
4-Chlorotoluene
Concen: 48.929 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 91 Resp: 383617

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.6	49.7



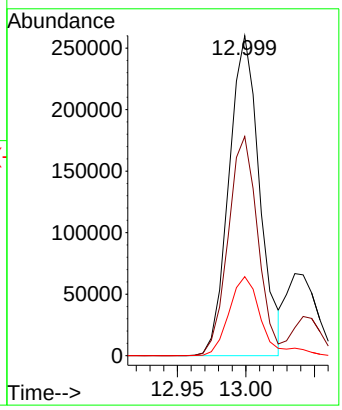


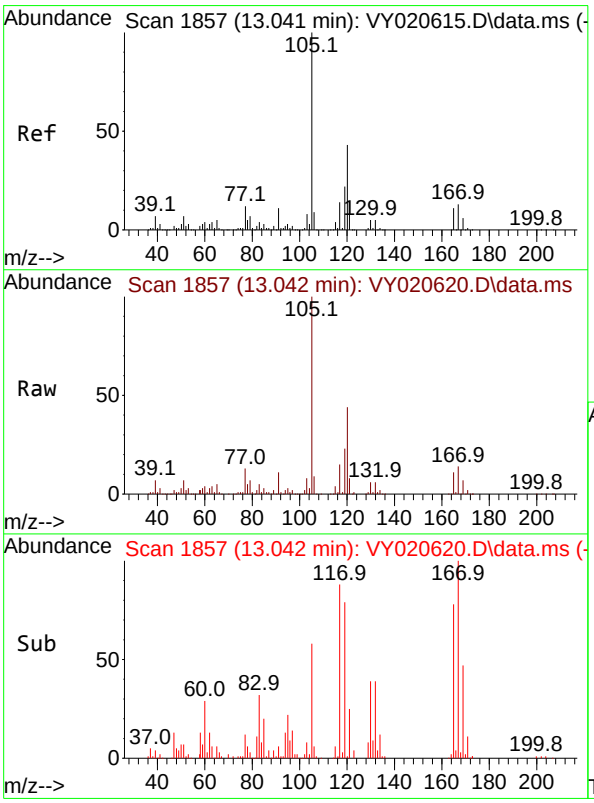
#83
tert-Butylbenzene
Concen: 49.469 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion:119 Resp: 405285

Ion	Ratio	Lower	Upper
119	100		
91	66.1	32.9	98.6
134	26.2	13.1	39.1

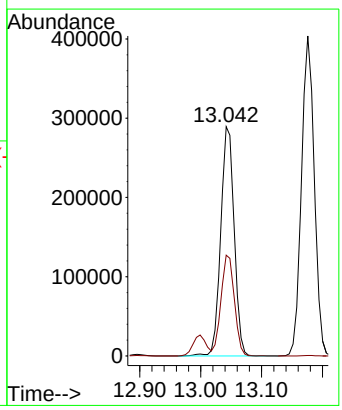


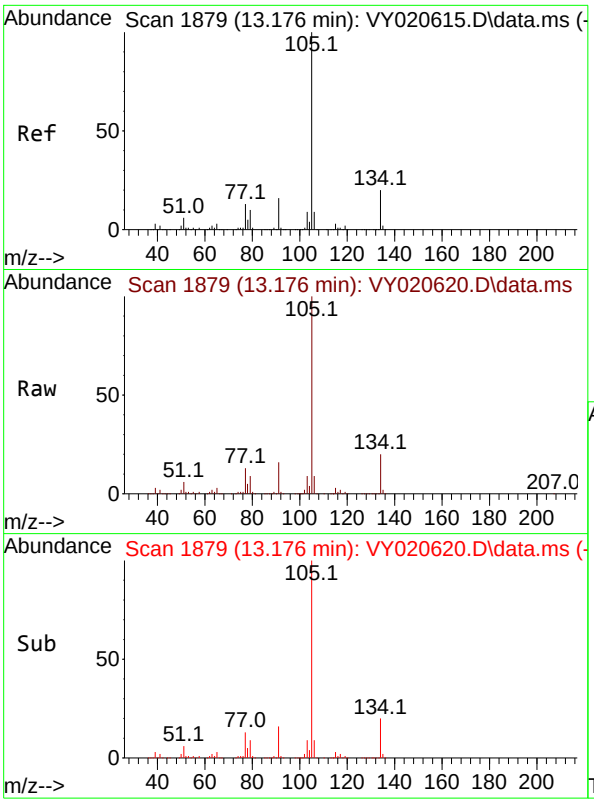


#84
1,2,4-Trimethylbenzene
Concen: 49.877 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:105 Resp: 442582

Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.8	65.4



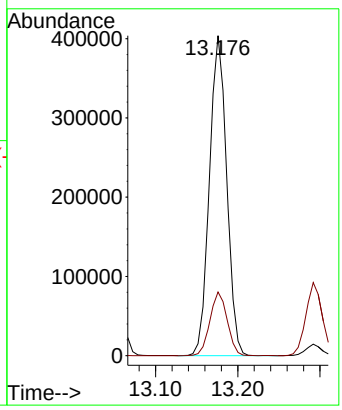


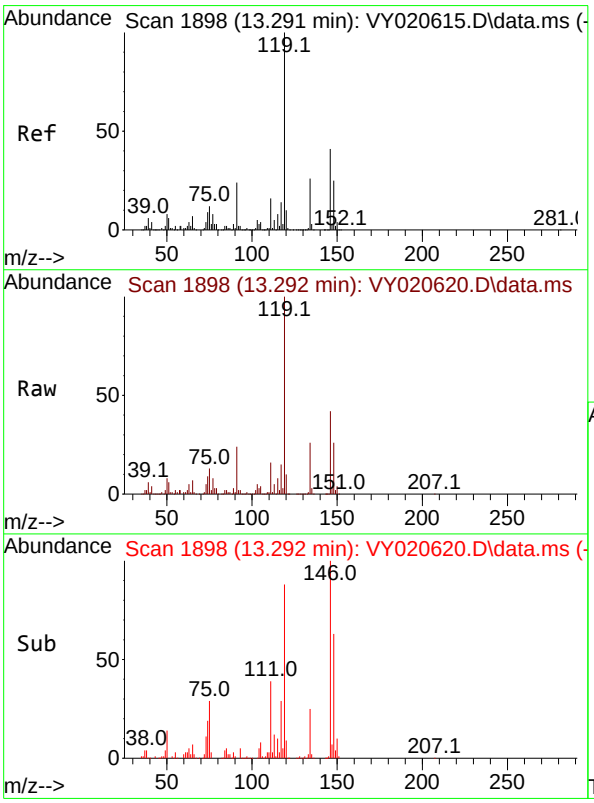
#85
sec-Butylbenzene
Concen: 49.451 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion:105 Resp: 589060

Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.0	30.0

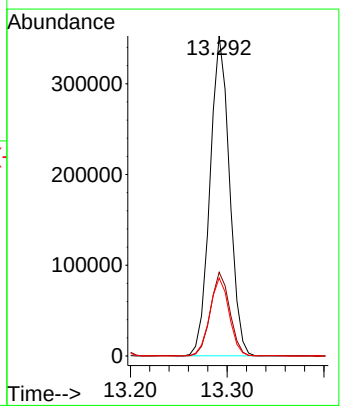


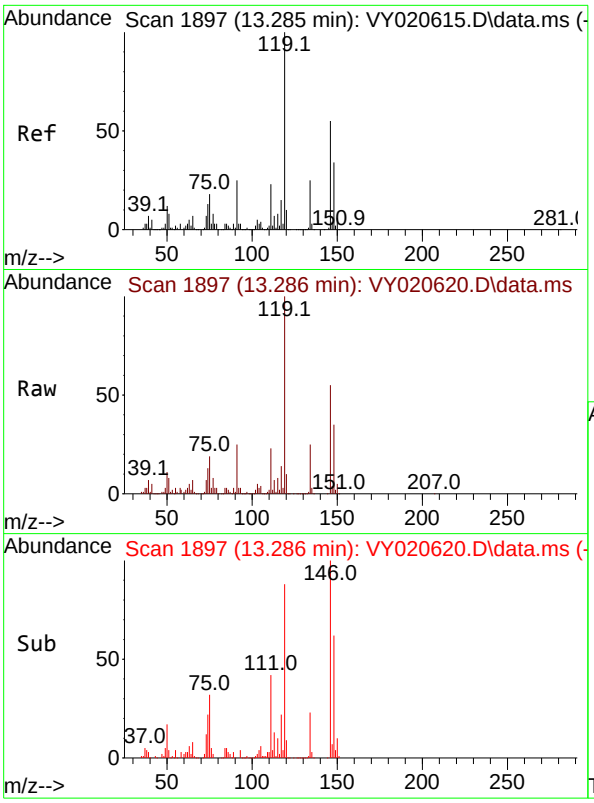


#86
p-Isopropyltoluene
Concen: 50.187 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:119 Resp: 492898

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.9	38.6
91	24.2	12.1	36.3



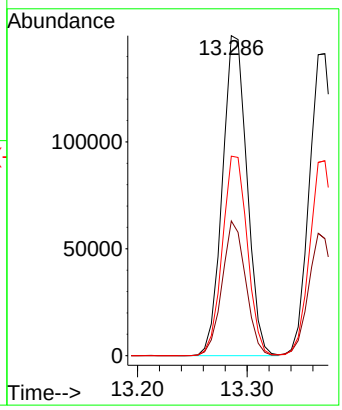


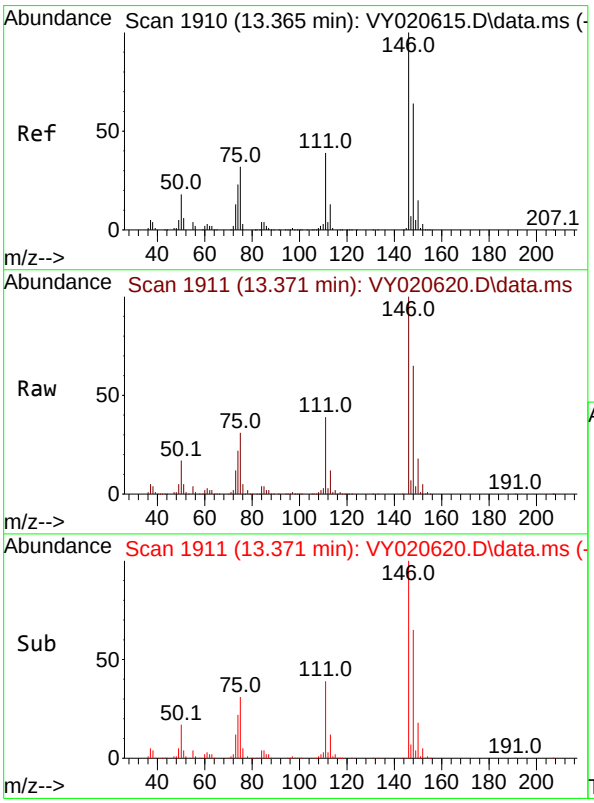
#87
1,3-Dichlorobenzene
Concen: 48.653 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion:146 Resp: 233241

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.6	61.8
148	63.2	31.4	94.0

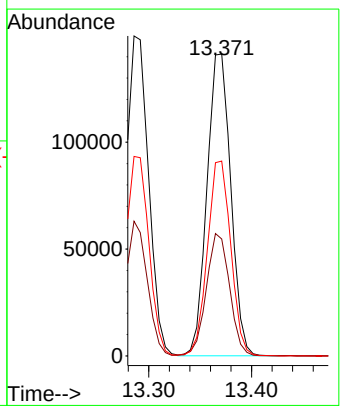


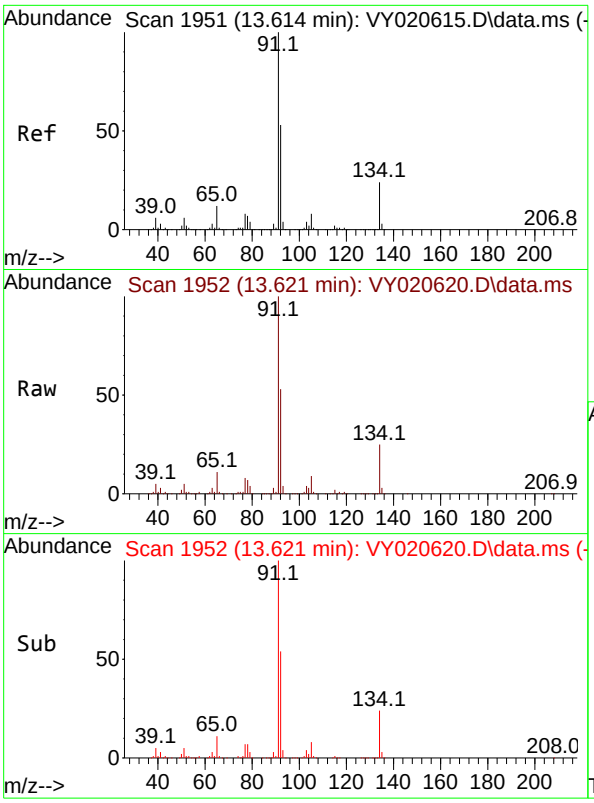


#88
1,4-Dichlorobenzene
Concen: 47.888 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.007 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:146 Resp: 227374

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.6	58.7
148	63.6	31.9	95.5



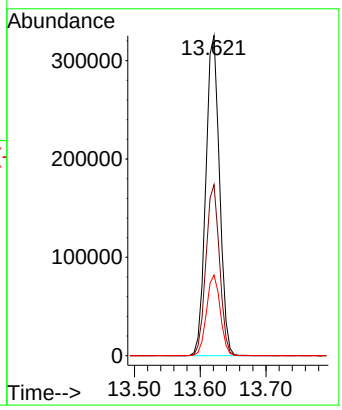


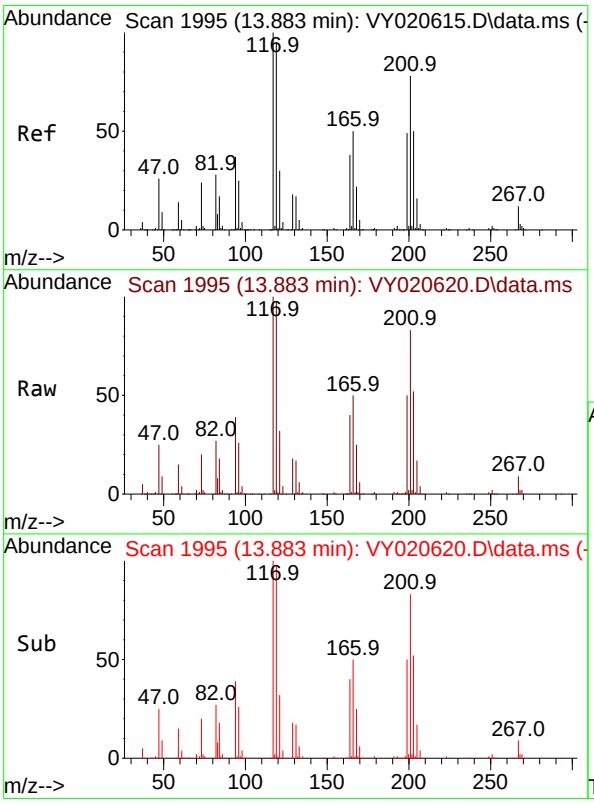
#89
n-Butylbenzene
Concen: 50.725 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion: 91 Resp: 472143

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.8	80.4
134	25.2	12.5	37.5

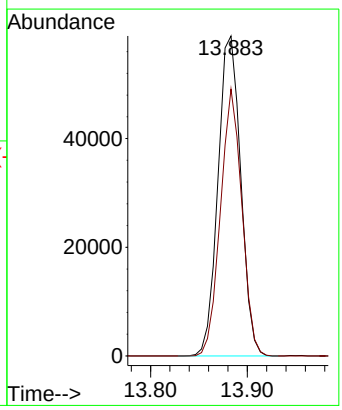


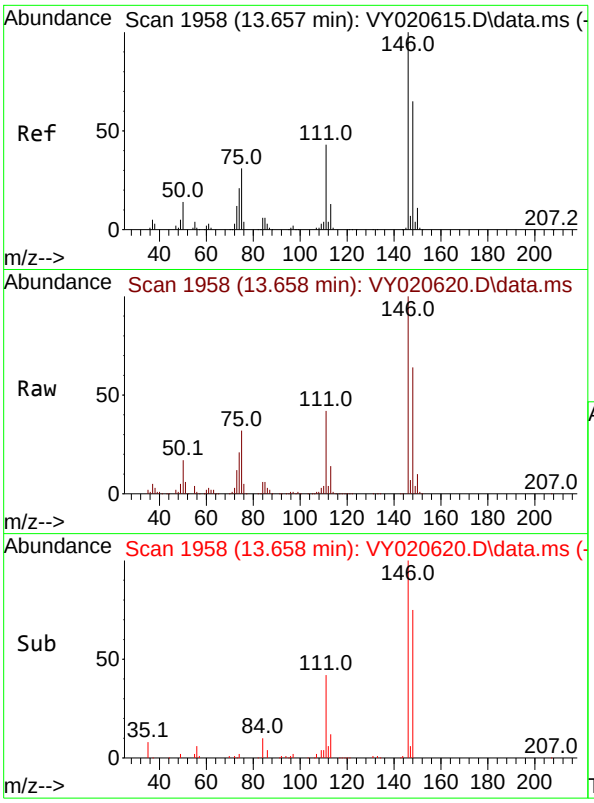


#90
Hexachloroethane
Concen: 49.342 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:117 Resp: 96035

Ion	Ratio	Lower	Upper
117	100		
201	78.5	39.1	117.3



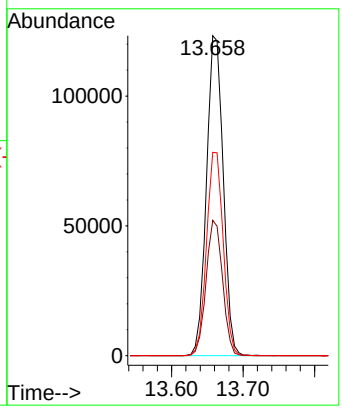


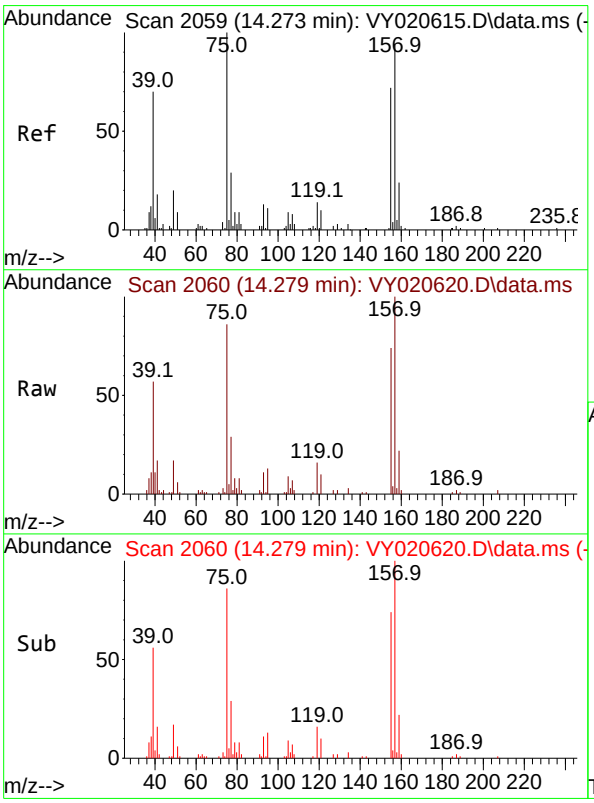
#91
1,2-Dichlorobenzene
Concen: 48.162 ug/l
RT: 13.658 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion:146 Resp: 200049

Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.3	63.7
148	63.3	32.0	96.0

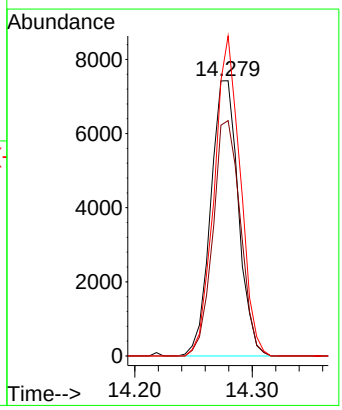


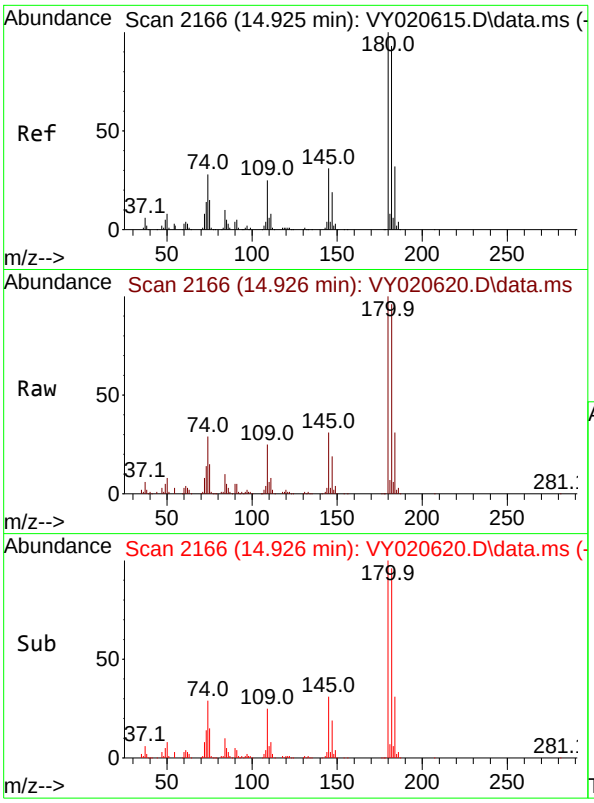


#92
1,2-Dibromo-3-Chloropropane
Concen: 41.418 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.007 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion: 75 Resp: 12169

Ion	Ratio	Lower	Upper
75	100		
155	84.9	41.1	123.3
157	109.1	52.9	158.8



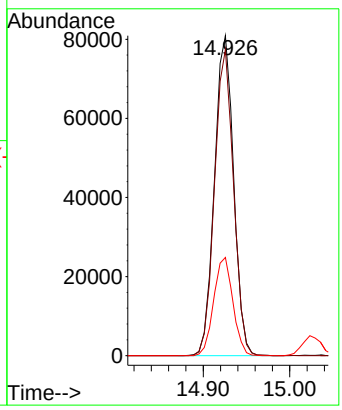


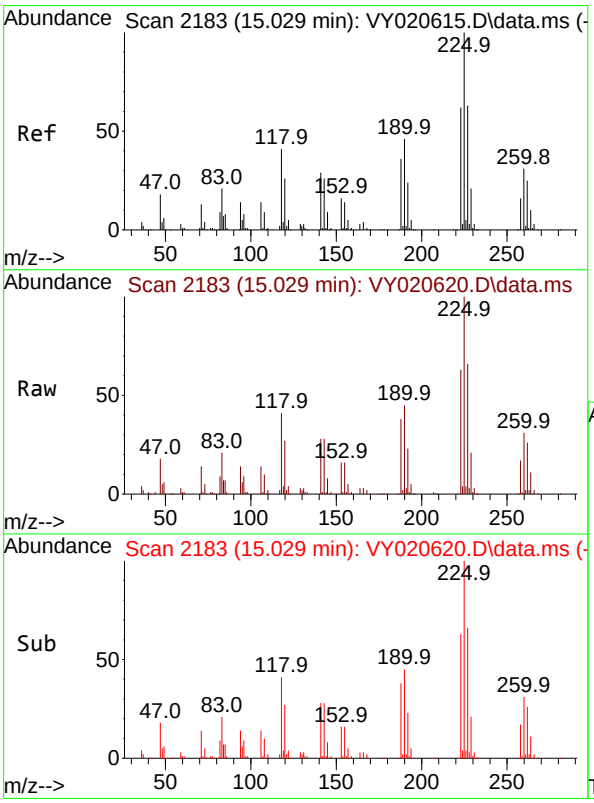
#93
1,2,4-Trichlorobenzene
Concen: 49.388 ug/l
RT: 14.926 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion:180 Resp: 124084

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.6
145	30.8	15.6	46.7

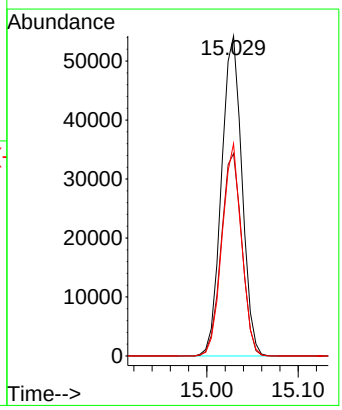


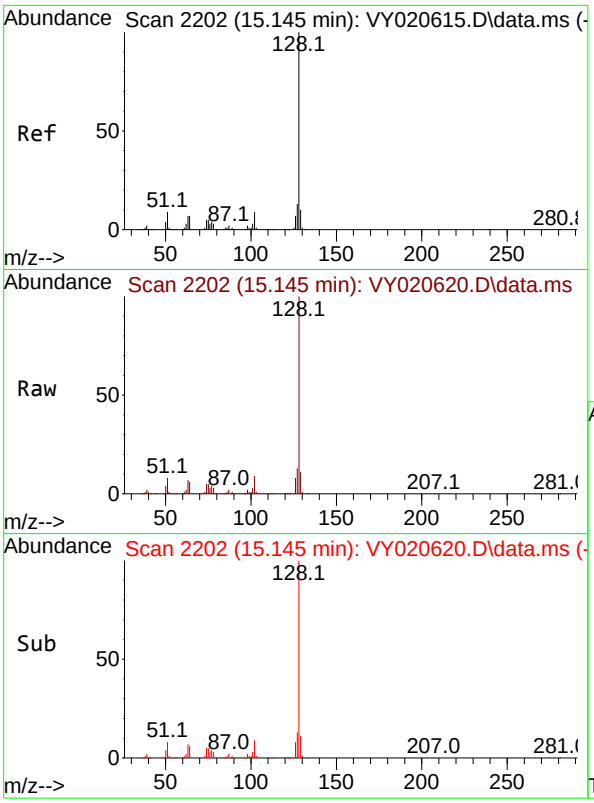


#94
Hexachlorobutadiene
Concen: 51.372 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:225 Resp: 84375

Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.8	95.3
227	63.0	32.2	96.6



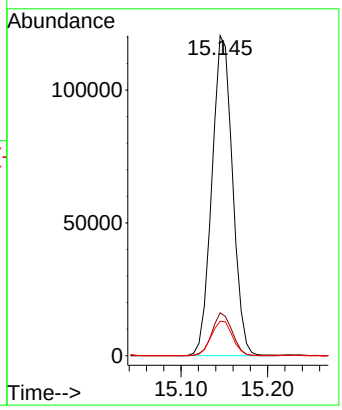


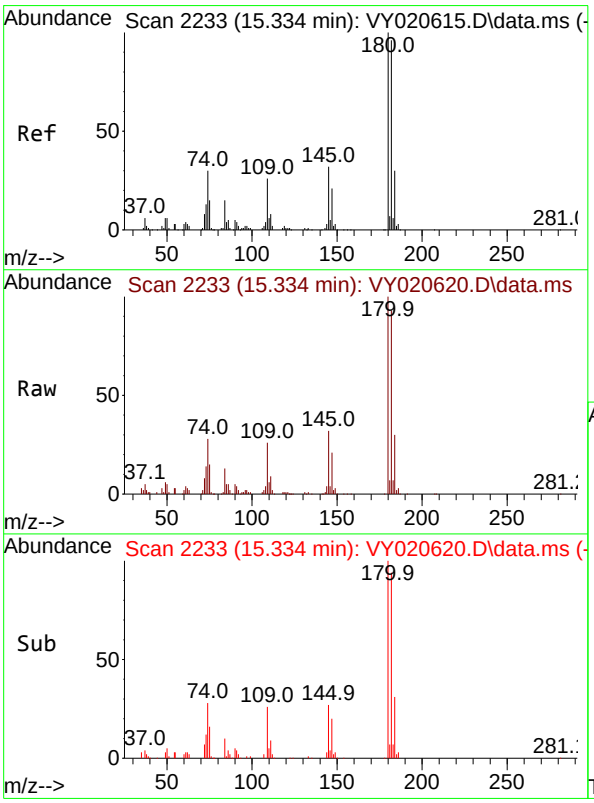
#95
Naphthalene
Concen: 46.344 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY121724

Tgt Ion:128 Resp: 199622

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.7	16.1
129	11.2	8.5	12.7

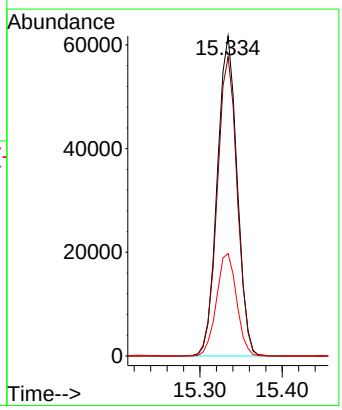




#96
1,2,3-Trichlorobenzene
Concen: 48.662 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY020620.D
Acq: 17 Dec 2024 17:41

Tgt Ion:180 Resp: 103298

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.3	141.9
145	32.5	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020664.D
Acq On : 20 Dec 2024 09:09
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Dec 20 18:07:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	162547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	240673	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	212145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	119359	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	71807	40.336	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 80.680%			
35) Dibromofluoromethane	7.640	113	73716	43.459	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 86.920%			
50) Toluene-d8	10.109	98	259216	43.661	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 87.320%			
62) 4-Bromofluorobenzene	12.408	95	97623	42.036	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 84.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	101237	49.863	ug/l	99
3) Chloromethane	2.074	50	65890	43.800	ug/l	98
4) Vinyl Chloride	2.208	62	60443	43.169	ug/l	100
5) Bromomethane	2.605	94	35571	39.522	ug/l	96
6) Chloroethane	2.739	64	34884	40.318	ug/l	96
7) Trichlorofluoromethane	3.068	101	142498	48.639	ug/l	97
8) Diethyl Ether	3.464	74	46033	44.802	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.824	101	110942	52.831	ug/l	99
10) Methyl Iodide	4.013	142	131655	56.311	ug/l	99
11) Tert butyl alcohol	4.860	59	40751	212.136	ug/l	99
12) 1,1-Dichloroethene	3.793	96	104993	51.529	ug/l	97
13) Acrolein	3.659	56	10168	120.792	ug/l	96
14) Allyl chloride	4.391	41	192684	53.969	ug/l	99
15) Acrylonitrile	5.068	53	125271	254.850	ug/l	99
16) Acetone	3.873	43	90623	256.402	ug/l	96
17) Carbon Disulfide	4.116	76	360666	54.380	ug/l	99
18) Methyl Acetate	4.391	43	65339	53.944	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	272592	51.833	ug/l	100
20) Methylene Chloride	4.622	84	113838	51.431	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	120568	52.751	ug/l	99
22) Diisopropyl ether	6.025	45	385510	53.195	ug/l	97
23) Vinyl Acetate	5.964	43	1068233	260.253	ug/l	99
24) 1,1-Dichloroethane	5.927	63	224983	52.991	ug/l	99
25) 2-Butanone	6.896	43	158594	239.715	ug/l	100
26) 2,2-Dichloropropane	6.890	77	201830	50.287	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	137382	52.244	ug/l	99
28) Bromochloromethane	7.250	49	72076	50.330	ug/l	99
29) Tetrahydrofuran	7.268	42	104646	250.559	ug/l	100
30) Chloroform	7.427	83	227859	53.857	ug/l	98
31) Cyclohexane	7.707	56	199490	49.141	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	206129	52.846	ug/l	100
36) 1,1-Dichloropropene	7.841	75	169048	54.656	ug/l	100
37) Ethyl Acetate	6.988	43	73443	50.481	ug/l	99
38) Carbon Tetrachloride	7.823	117	190940	55.798	ug/l	99
39) Methylcyclohexane	9.116	83	216273	53.650	ug/l	97
40) Benzene	8.085	78	496803	54.799	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020664.D
Acq On : 20 Dec 2024 09:09
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Dec 20 18:07:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	39064	50.789	ug/l		93
42) 1,2-Dichloroethane	8.165	62	129790	53.978	ug/l		99
43) Isopropyl Acetate	8.201	43	146927	53.344	ug/l	#	89
44) Trichloroethene	8.866	130	120106	53.915	ug/l		98
45) 1,2-Dichloropropane	9.146	63	114657	54.113	ug/l		100
46) Dibromomethane	9.231	93	60564	54.086	ug/l		99
47) Bromodichloromethane	9.427	83	165285	54.644	ug/l		99
48) Methyl methacrylate	9.225	41	69098	52.772	ug/l		99
49) 1,4-Dioxane	9.231	88	12610	981.949	ug/l		97
51) 4-Methyl-2-Pentanone	10.000	43	372513	256.228	ug/l		100
52) Toluene	10.176	92	310772	55.159	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	153061	54.306	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	185052	55.407	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	80376	54.290	ug/l		97
56) Ethyl methacrylate	10.439	69	116828	54.394	ug/l		97
57) 1,3-Dichloropropane	10.719	76	143193	54.257	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	242438	268.265	ug/l		99
59) 2-Hexanone	10.762	43	246134	263.689	ug/l		100
60) Dibromochloromethane	10.914	129	109346	55.226	ug/l		99
61) 1,2-Dibromoethane	11.018	107	73670	53.496	ug/l		98
64) Tetrachloroethene	10.652	164	107671	53.958	ug/l		97
65) Chlorobenzene	11.444	112	323124	54.474	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	114100	56.252	ug/l		98
67) Ethyl Benzene	11.524	91	607565	55.519	ug/l		97
68) m/p-Xylenes	11.633	106	444911	109.344	ug/l		99
69) o-Xylene	11.957	106	208015	54.792	ug/l		97
70) Styrene	11.975	104	349665	55.127	ug/l		99
71) Bromoform	12.133	173	63758	55.908	ug/l	#	98
73) Isopropylbenzene	12.255	105	571028	54.823	ug/l		99
74) N-amyl acetate	12.072	43	126874	52.048	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.511	83	90544	53.553	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	121614	98.083	ug/l	#	100
77) Bromobenzene	12.536	156	121520	53.559	ug/l		99
78) n-propylbenzene	12.597	91	691545	55.107	ug/l		100
79) 2-Chlorotoluene	12.682	91	382585	54.188	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	460381	54.473	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	32476	54.979	ug/l		99
82) 4-Chlorotoluene	12.780	91	394546	53.864	ug/l		100
83) tert-Butylbenzene	12.999	119	425908	55.644	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	454208	54.789	ug/l		99
85) sec-Butylbenzene	13.182	105	615306	55.289	ug/l		99
86) p-Isopropyltoluene	13.298	119	507405	55.299	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	240167	53.623	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	233518	52.643	ug/l		99
89) n-Butylbenzene	13.621	91	482377	55.471	ug/l		99
90) Hexachloroethane	13.883	117	99835	54.904	ug/l		99
91) 1,2-Dichlorobenzene	13.664	146	205065	52.844	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	13979	50.926	ug/l		99
93) 1,2,4-Trichlorobenzene	14.926	180	121126	51.603	ug/l		100
94) Hexachlorobutadiene	15.029	225	83298	54.285	ug/l		99
95) Naphthalene	15.151	128	204937	50.926	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	100879	50.866	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020664.D
Acq On : 20 Dec 2024 09:09
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Dec 20 18:07:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

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

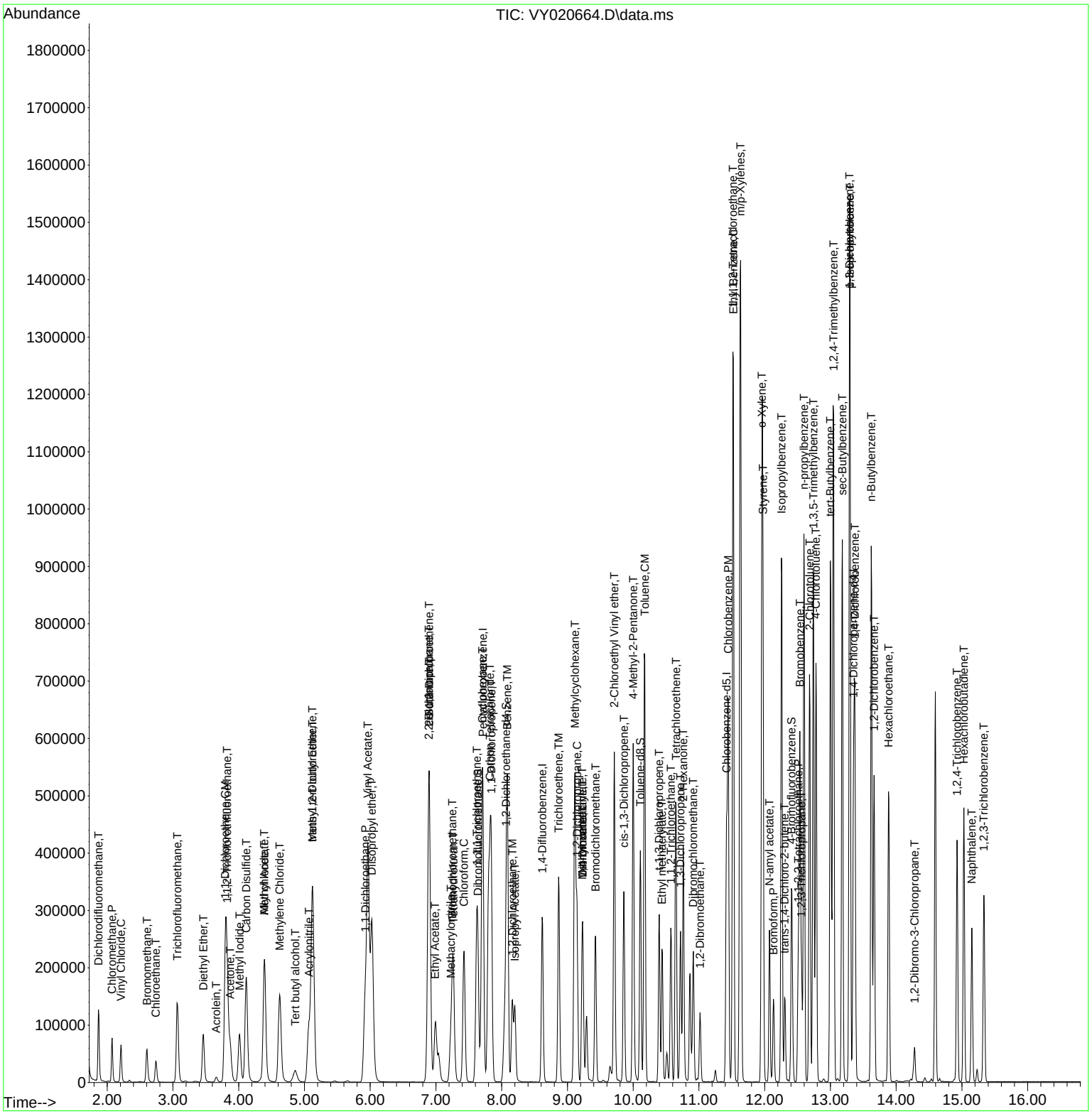
(#) = qualifier out of range (m) = manual integration (+) = signals summed

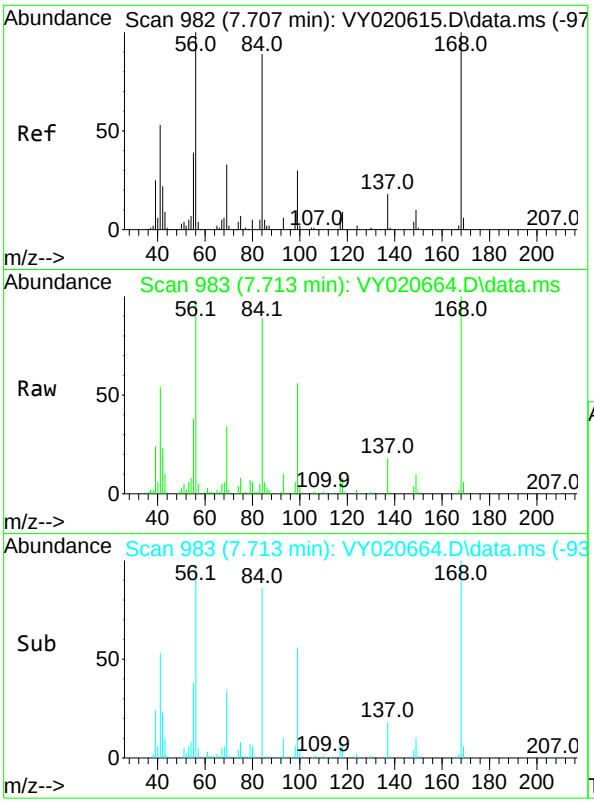
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020664.D
Acq On : 20 Dec 2024 09:09
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Dec 20 18:07:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration



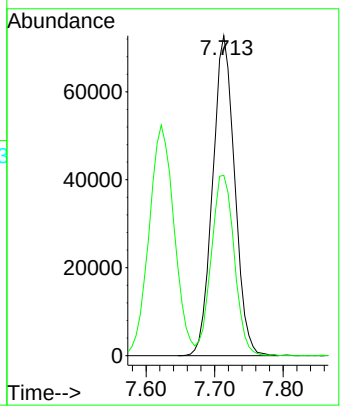


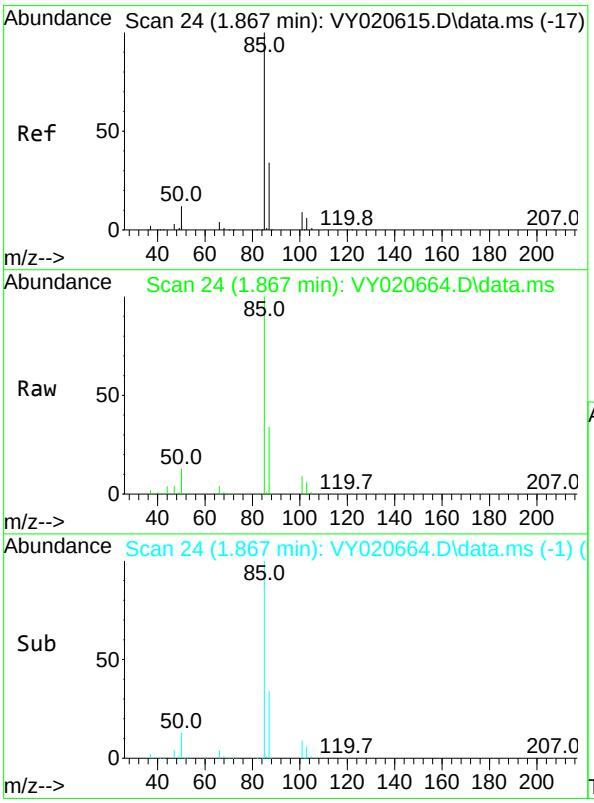
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 162547

Ion	Ratio	Lower	Upper
168	100		
99	56.3	47.0	70.6

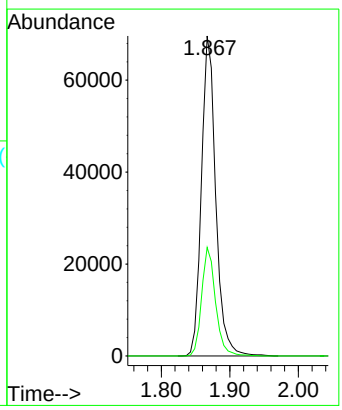


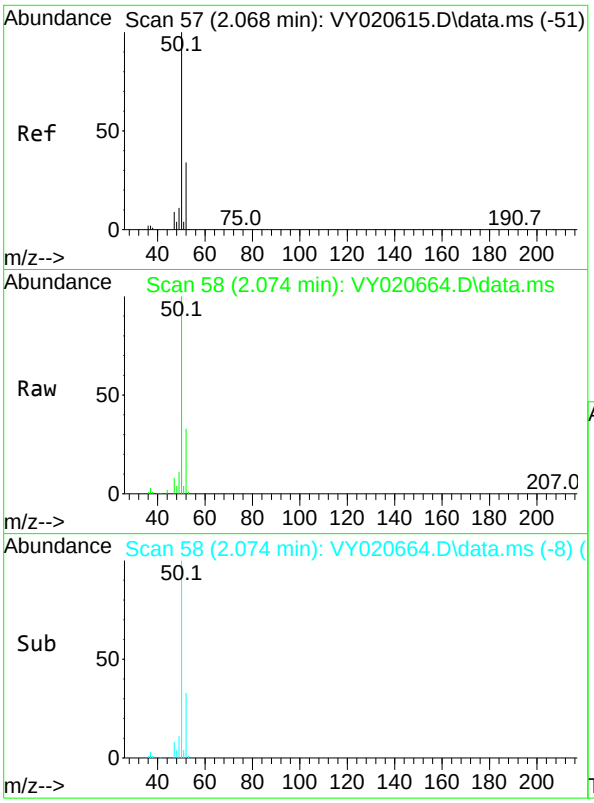


#2
Dichlorodifluoromethane
Concen: 49.863 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 85 Resp: 101237

Ion	Ratio	Lower	Upper
85	100		
87	33.9	16.8	50.3



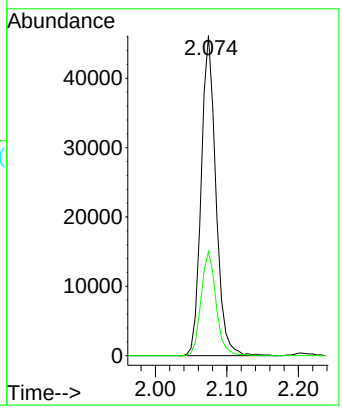


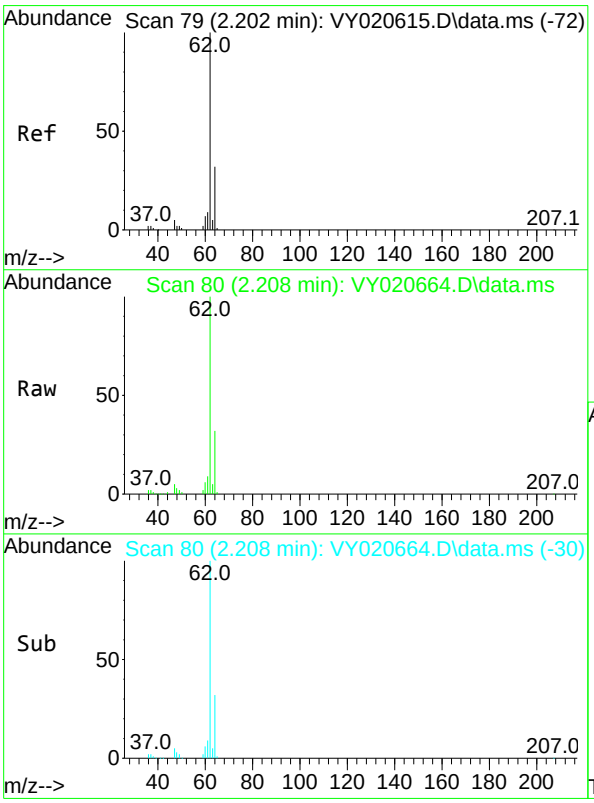
#3
Chloromethane
Concen: 43.800 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 65890

Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.8	40.2

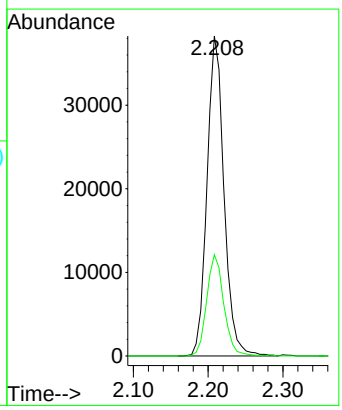


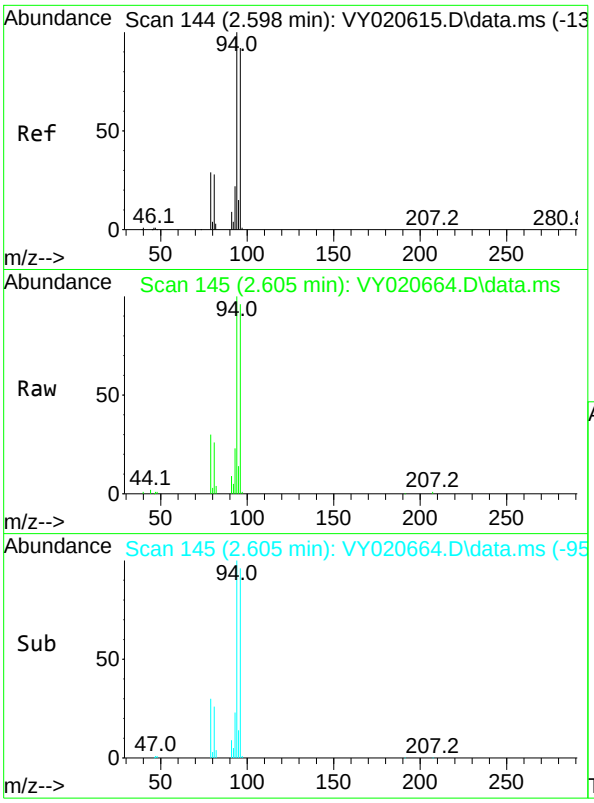


#4
Vinyl Chloride
Concen: 43.169 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 62 Resp: 60443

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.3	37.9



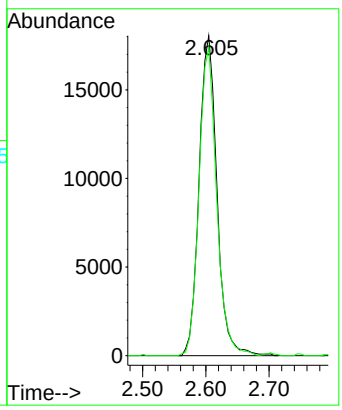


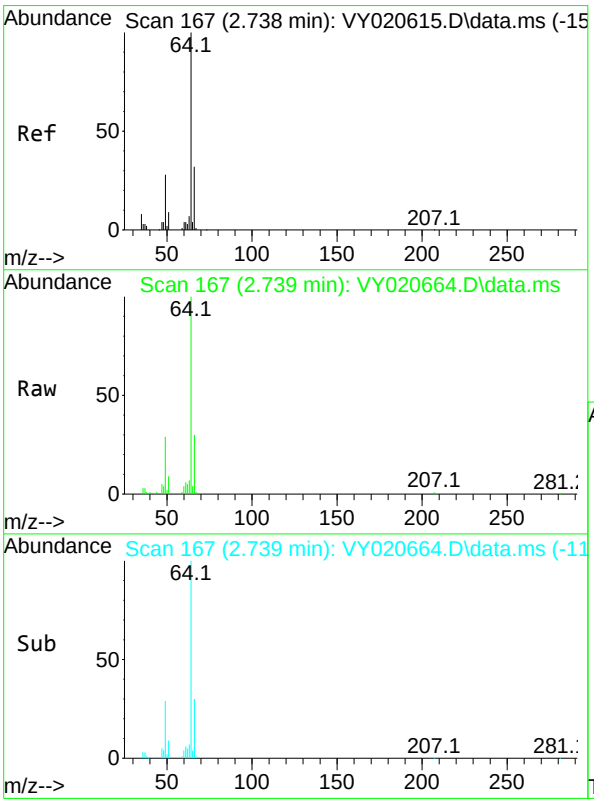
#5
Bromomethane
Concen: 39.522 ug/l
RT: 2.605 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 35571

Ion	Ratio	Lower	Upper
94	100		
96	96.4	73.8	110.6

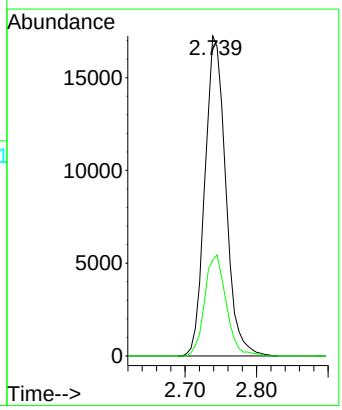


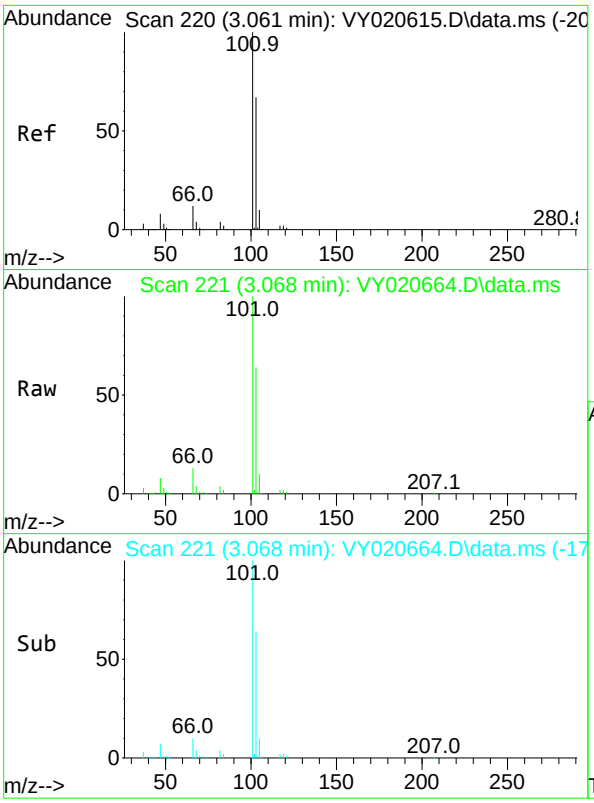


#6
Chloroethane
Concen: 40.318 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 64 Resp: 34884

Ion	Ratio	Lower	Upper
64	100		
66	30.0	25.8	38.6



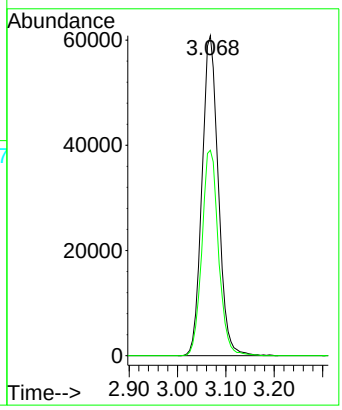


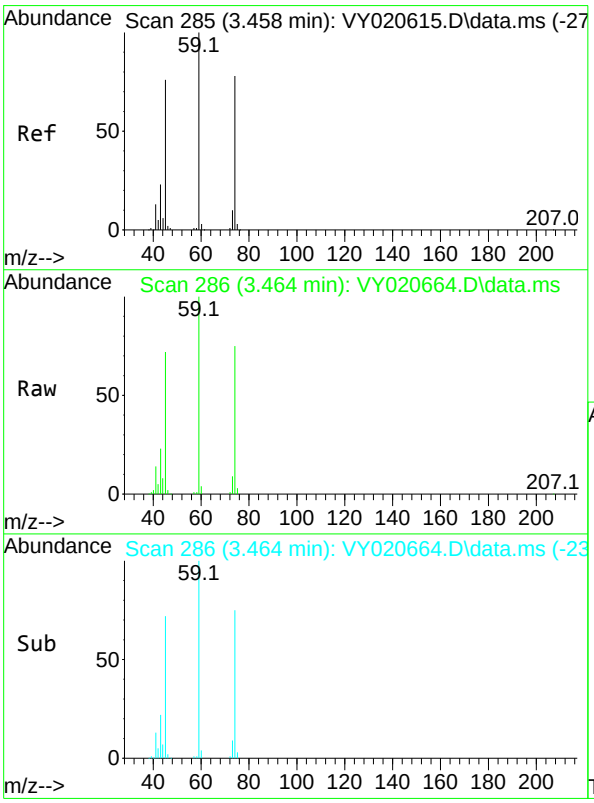
#7
Trichlorofluoromethane
Concen: 48.639 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 142498

Ion	Ratio	Lower	Upper
101	100		
103	64.2	53.4	80.0

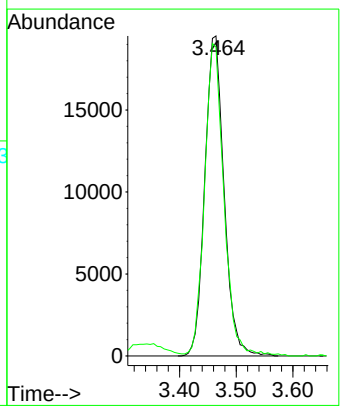


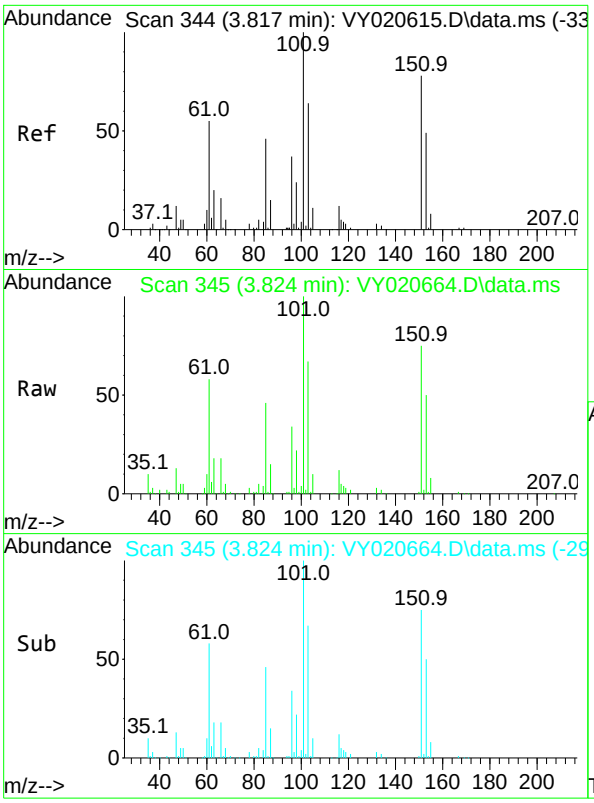


#8
Diethyl Ether
Concen: 44.802 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 74 Resp: 46033

Ion	Ratio	Lower	Upper
74	100		
45	98.1	49.0	147.2



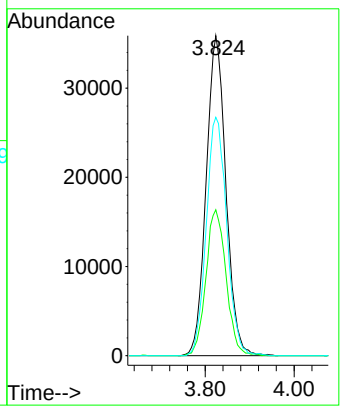


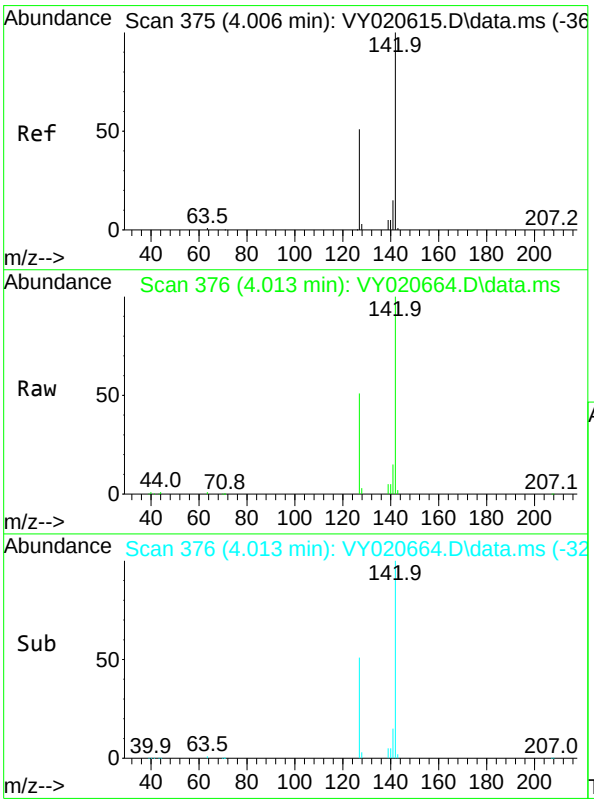
#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.831 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 110942

Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.6	54.8
151	77.1	61.5	92.3

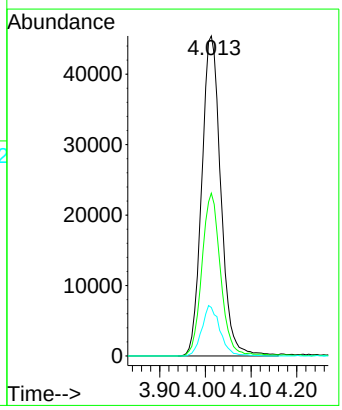


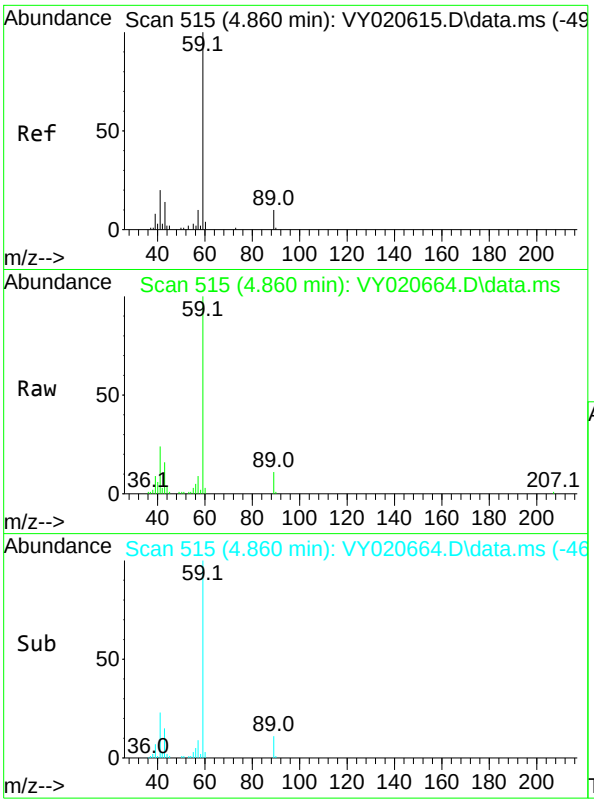


#10
Methyl Iodide
Concen: 56.311 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.007 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:142 Resp: 131655

Ion	Ratio	Lower	Upper
142	100		
127	49.9	40.6	61.0
141	15.0	11.7	17.5



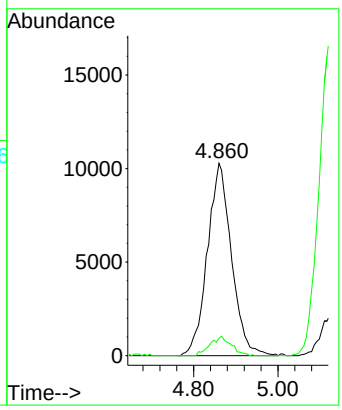


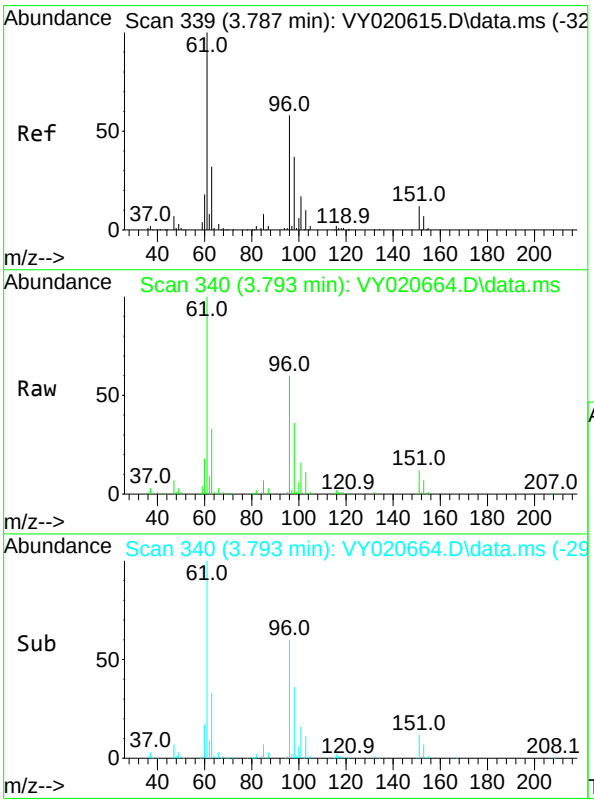
#11
Tert butyl alcohol
Concen: 212.136 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 40751

Ion	Ratio	Lower	Upper
59	100		
57	8.9	7.4	11.0

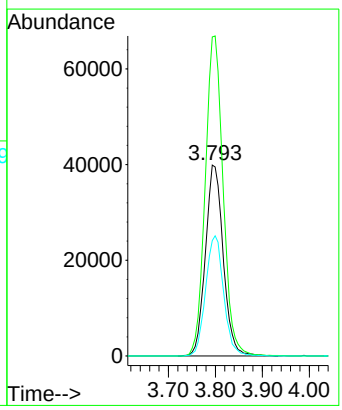


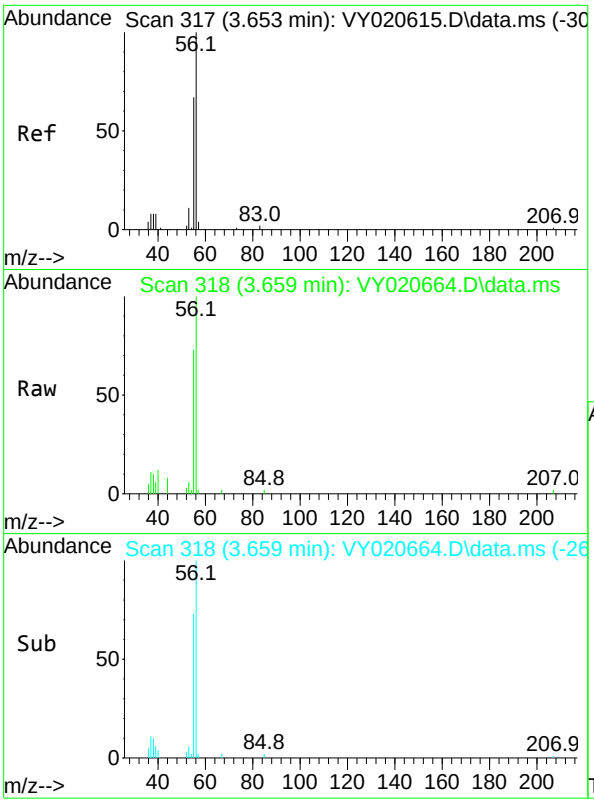


#12
1,1-Dichloroethene
Concen: 51.529 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 96 Resp: 104993

Ion	Ratio	Lower	Upper
96	100		
61	167.1	136.9	205.3
98	60.4	50.2	75.4



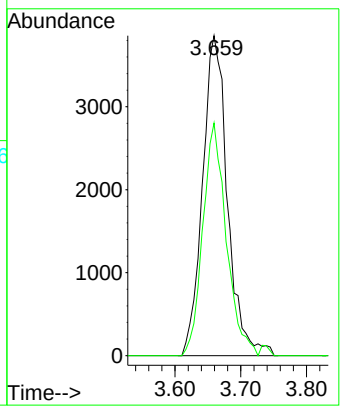


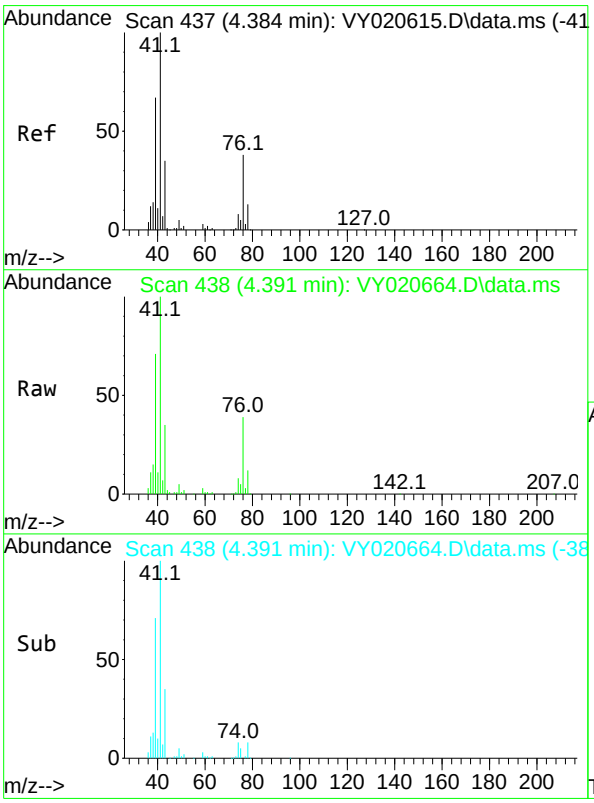
#13
Acrolein
Concen: 120.792 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 10168

Ion	Ratio	Lower	Upper
56	100		
55	68.3	57.5	86.3

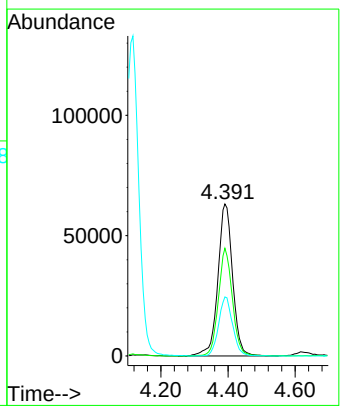


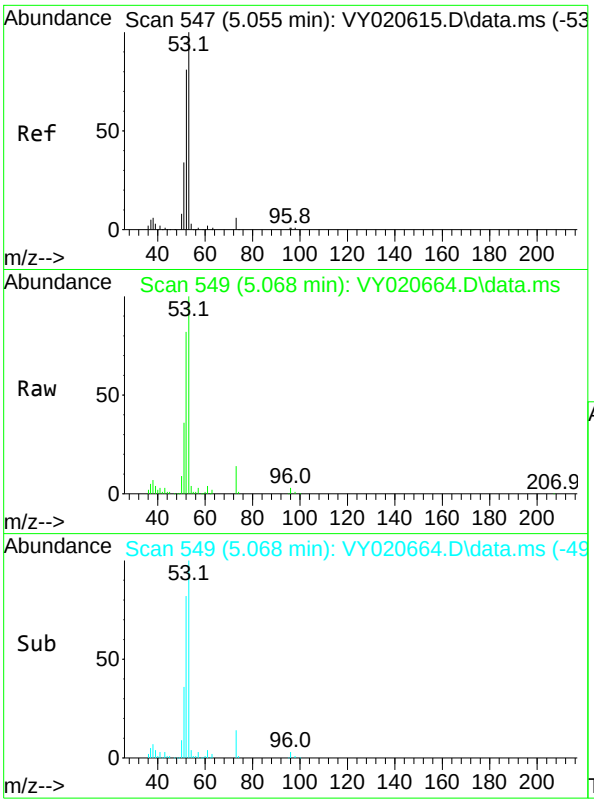


#14
Allyl chloride
Concen: 53.969 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 41 Resp: 192684

Ion	Ratio	Lower	Upper
41	100		
39	67.0	53.0	79.4
76	36.8	29.5	44.3



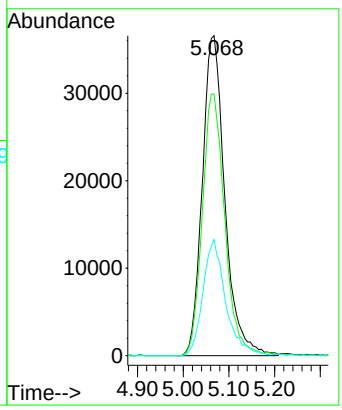


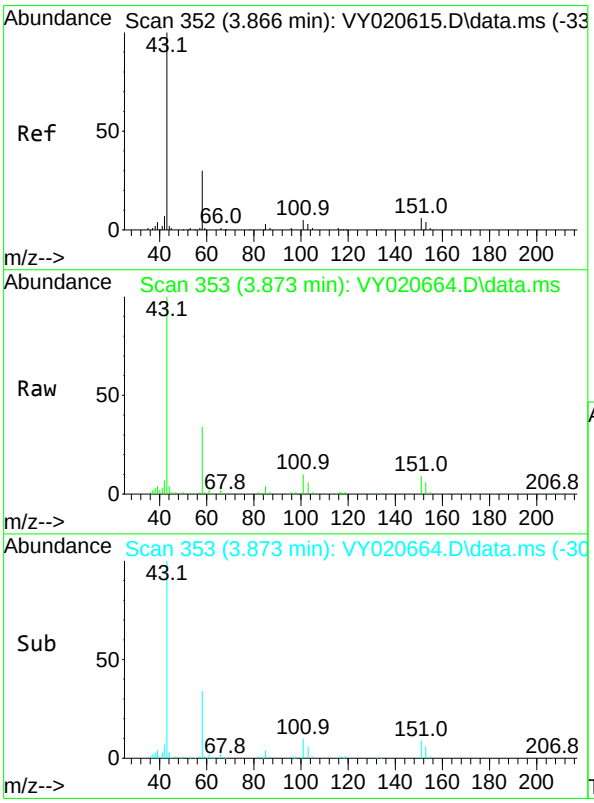
#15
Acrylonitrile
Concen: 254.850 ug/l
RT: 5.068 min Scan# 54
Delta R.T. 0.012 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 125271

Ion	Ratio	Lower	Upper
53	100		
52	81.2	64.5	96.7
51	36.5	29.4	44.0

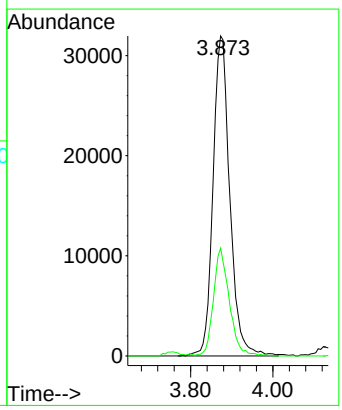


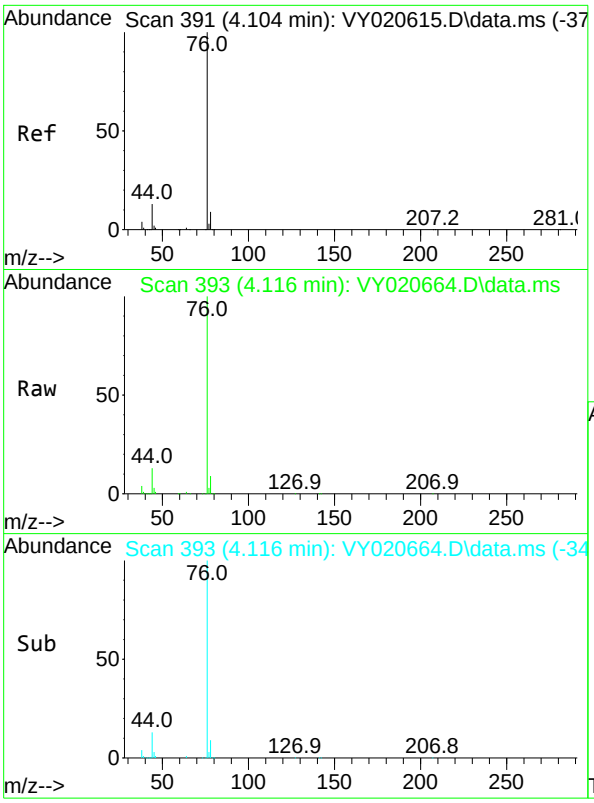


#16
Acetone
Concen: 256.402 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.007 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 43 Resp: 90623

Ion	Ratio	Lower	Upper
43	100		
58	33.7	25.0	37.6



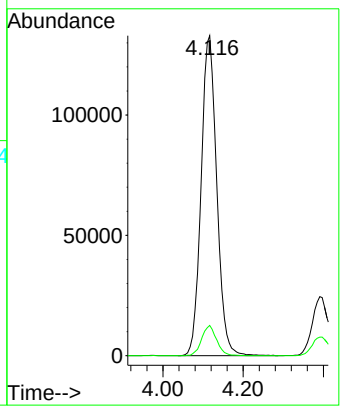


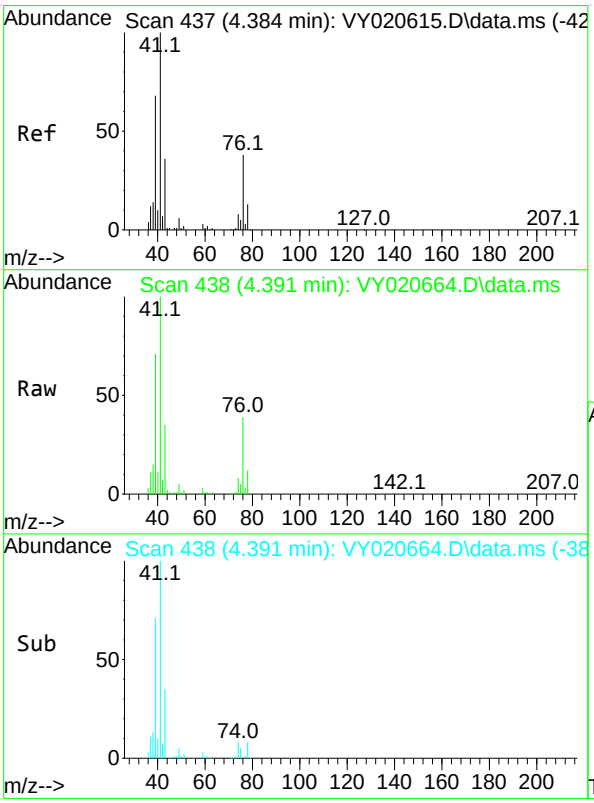
#17
Carbon Disulfide
Concen: 54.380 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.013 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 360666

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.2	10.8

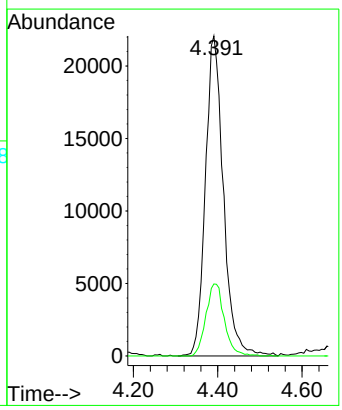


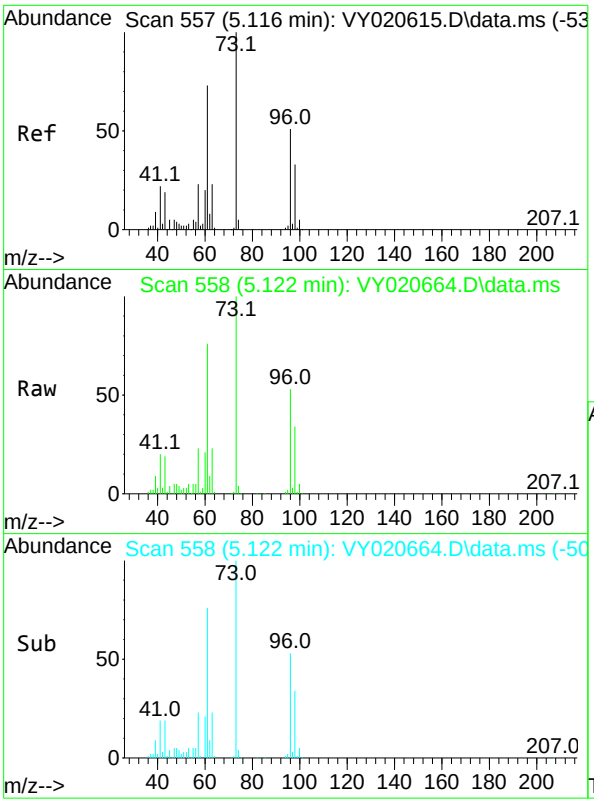


#18
Methyl Acetate
Concen: 53.944 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 43 Resp: 65339

Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.2	28.8



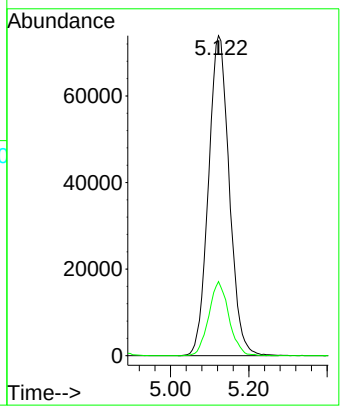


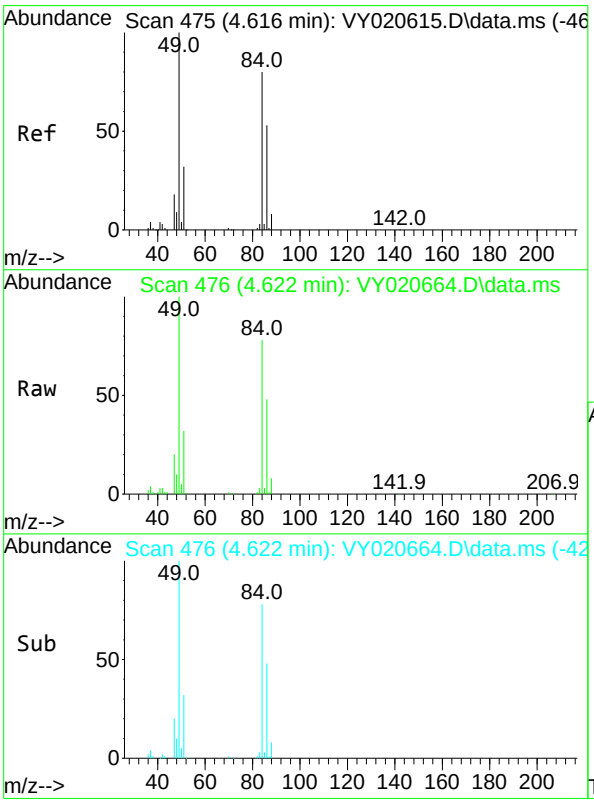
#19
Methyl tert-butyl Ether
Concen: 51.833 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 272592

Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.5	27.7

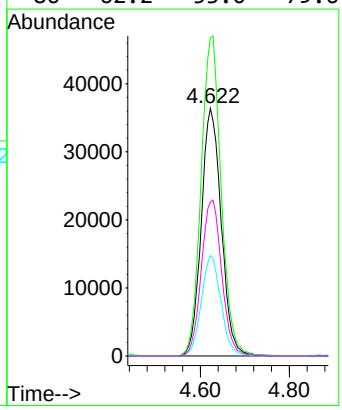


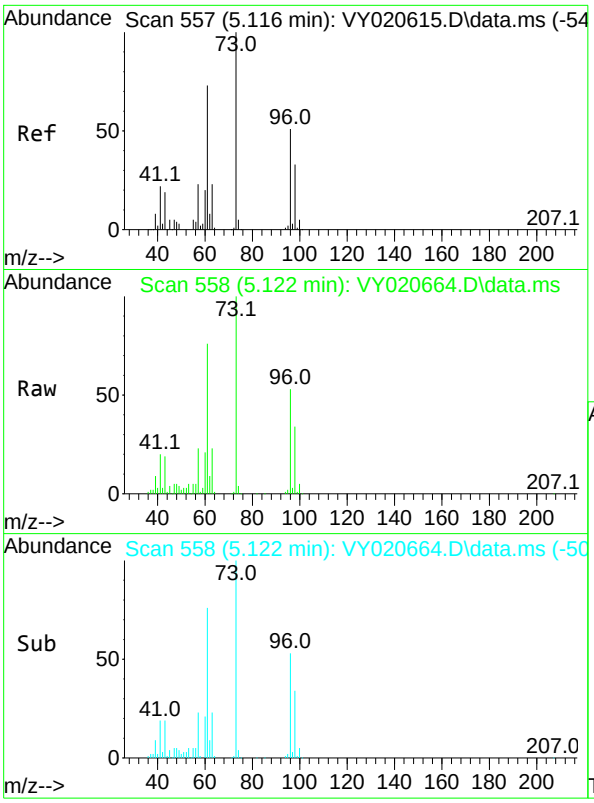


#20
Methylene Chloride
Concen: 51.431 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 84 Resp: 113838

Ion	Ratio	Lower	Upper
84	100		
49	128.6	100.7	151.1
51	40.6	32.2	48.2
86	62.2	53.0	79.6



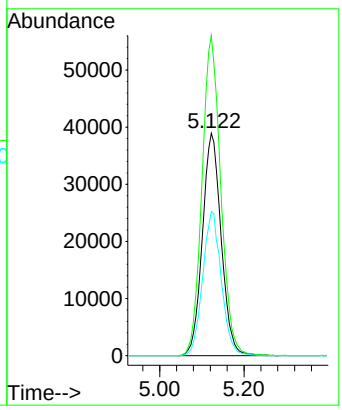


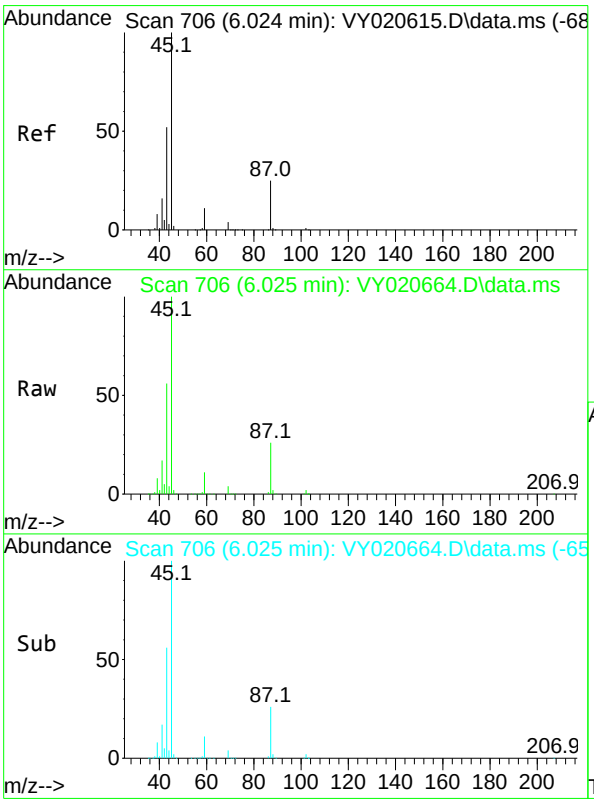
#21
trans-1,2-Dichloroethene
Concen: 52.751 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 120568

Ion	Ratio	Lower	Upper
96	100		
61	143.9	113.7	170.5
98	64.8	51.7	77.5

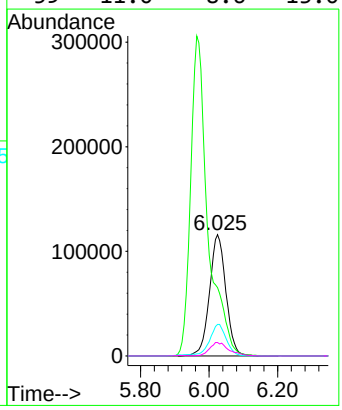


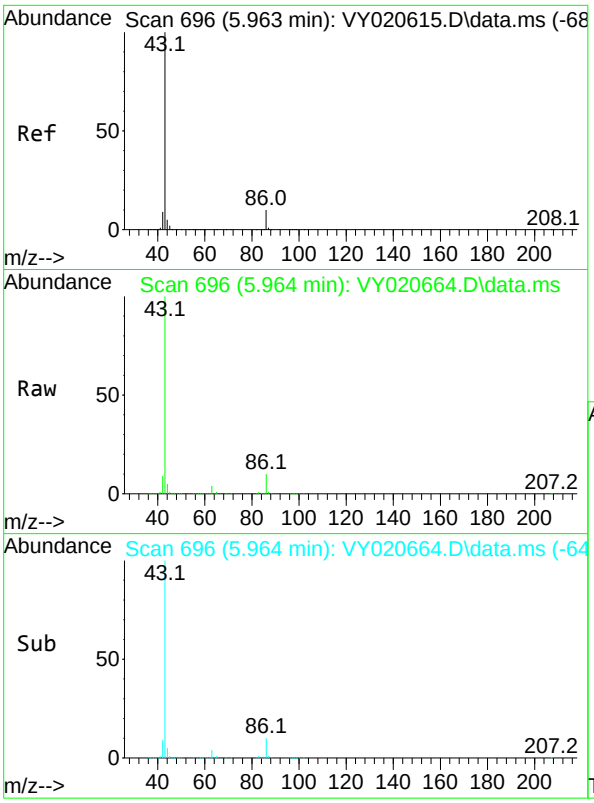


#22
Diisopropyl ether
Concen: 53.195 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 45 Resp: 385510

Ion	Ratio	Lower	Upper
45	100		
43	56.1	42.6	64.0
87	26.0	20.6	31.0
59	11.0	8.6	13.0



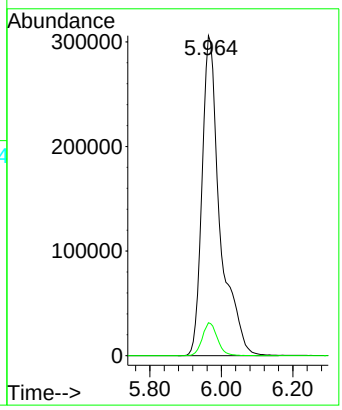


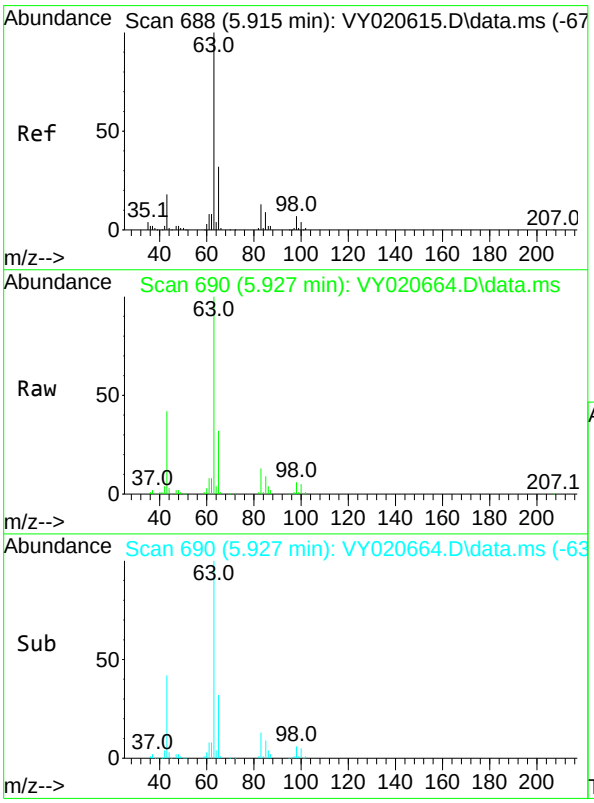
#23
Vinyl Acetate
Concen: 260.253 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1068233

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.1	12.1

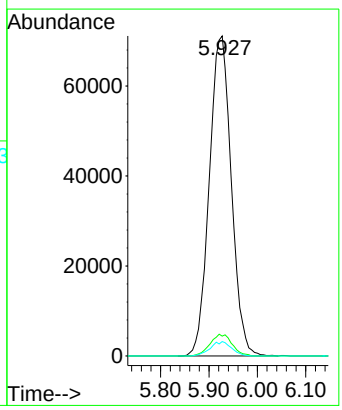


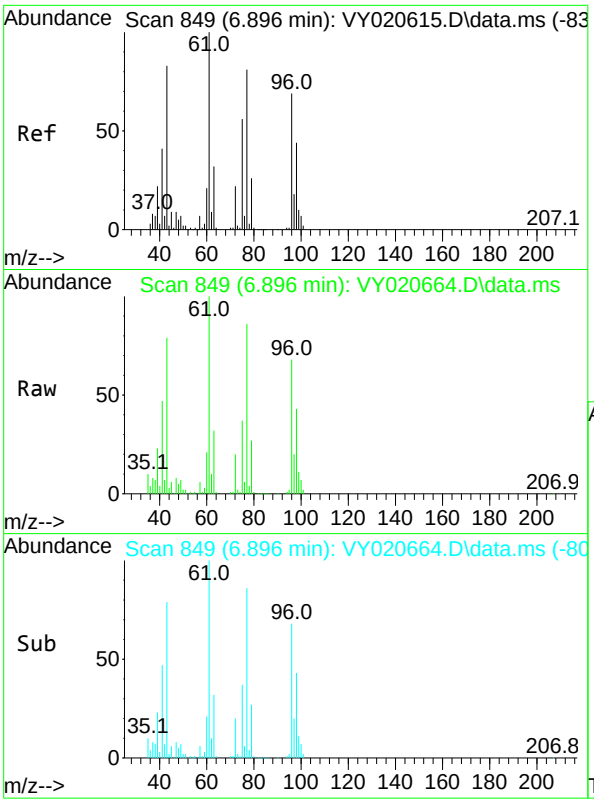


#24
1,1-Dichloroethane
Concen: 52.991 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.013 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 63 Resp: 224983

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.4	10.1
100	4.5	2.1	6.5



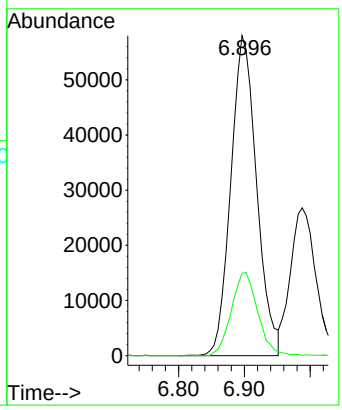


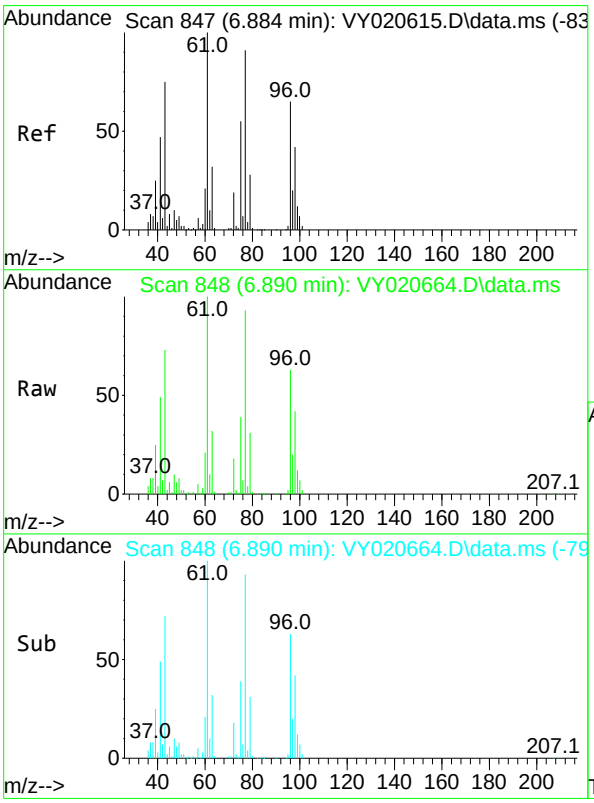
#25
2-Butanone
Concen: 239.715 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 158594

Ion	Ratio	Lower	Upper
43	100		
72	25.8	20.6	31.0

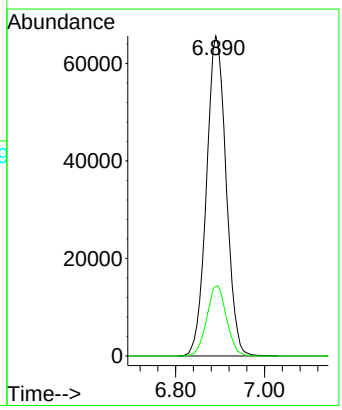


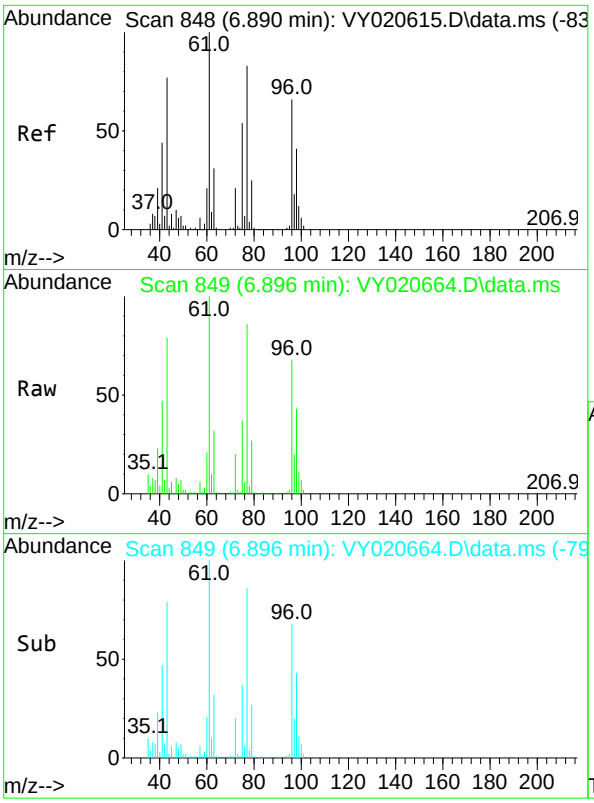


#26
2,2-Dichloropropane
Concen: 50.287 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 77 Resp: 201830

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.6



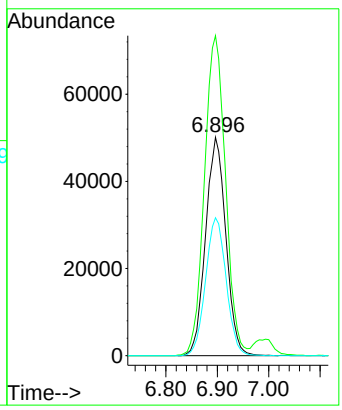


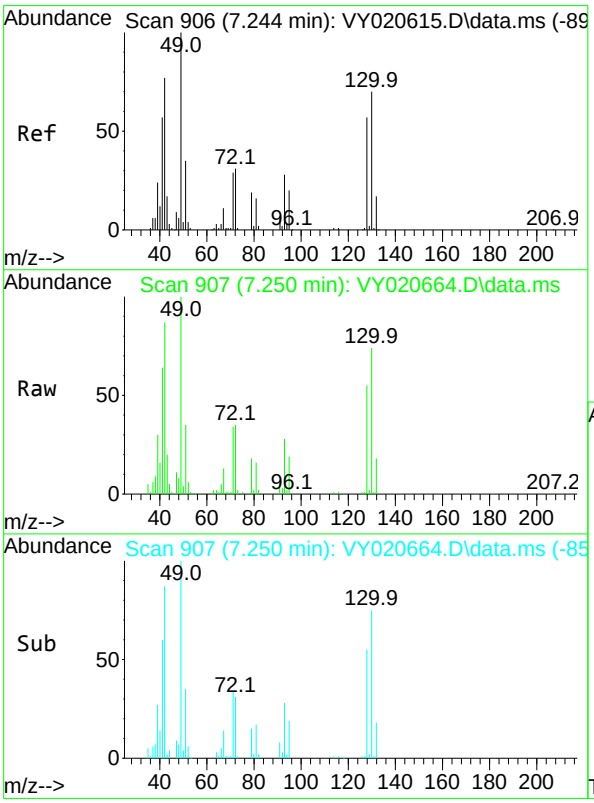
#27
cis-1,2-Dichloroethene
Concen: 52.244 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 137382

Ion	Ratio	Lower	Upper
96	100		
61	151.8	0.0	306.2
98	64.2	0.0	127.2

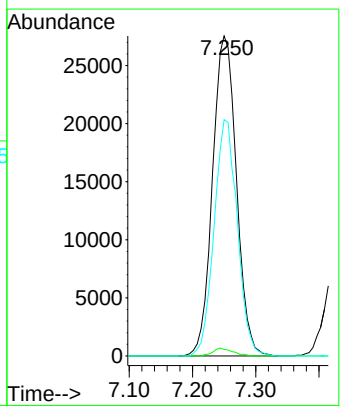


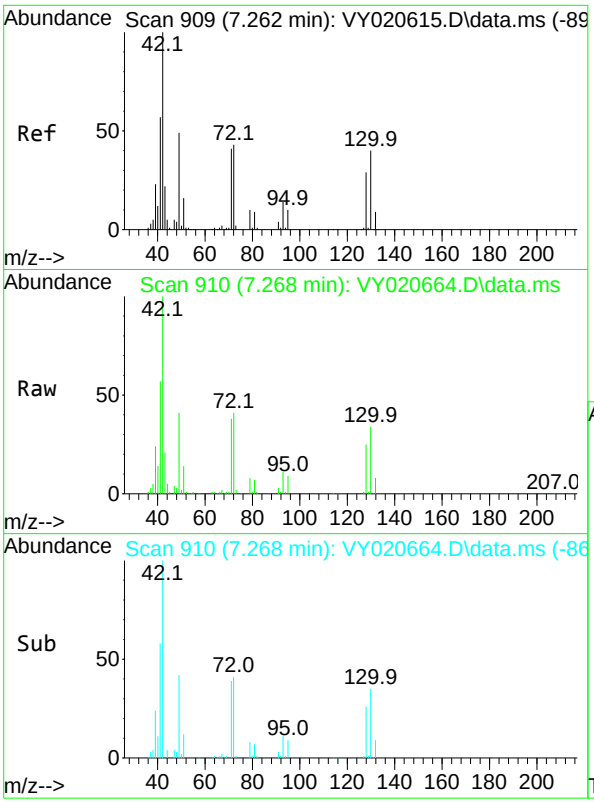


#28
Bromochloromethane
Concen: 50.330 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 49 Resp: 72076

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	71.9	58.3	87.5



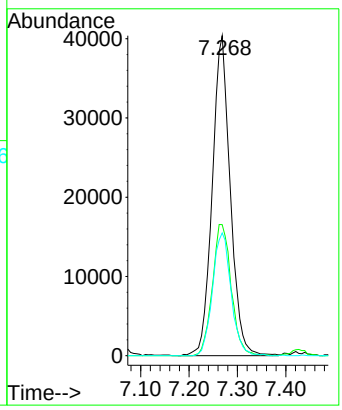


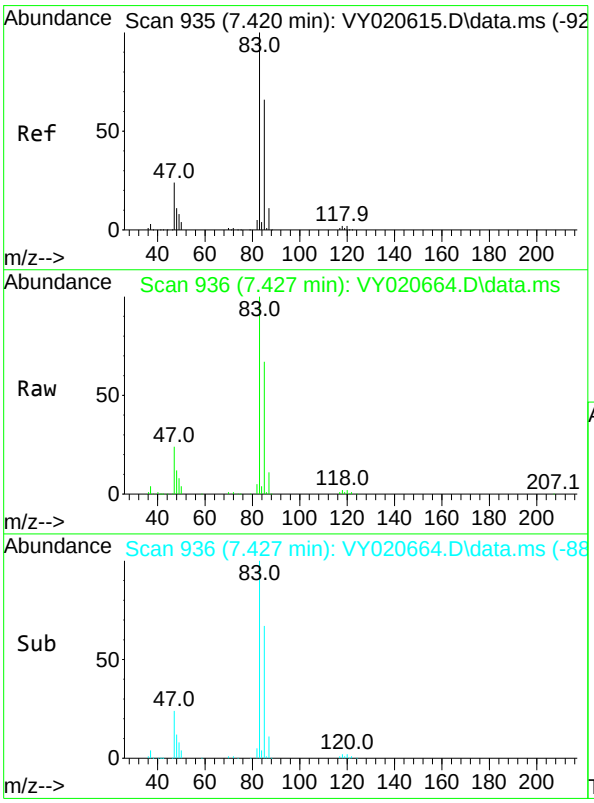
#29
Tetrahydrofuran
Concen: 250.559 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 104646

Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.0	51.0
71	39.5	31.6	47.4

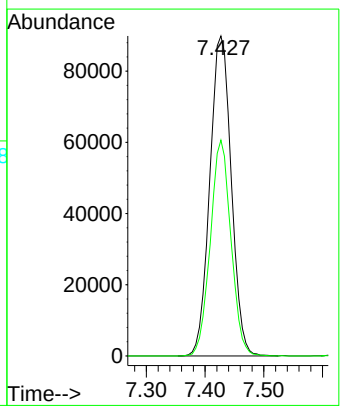


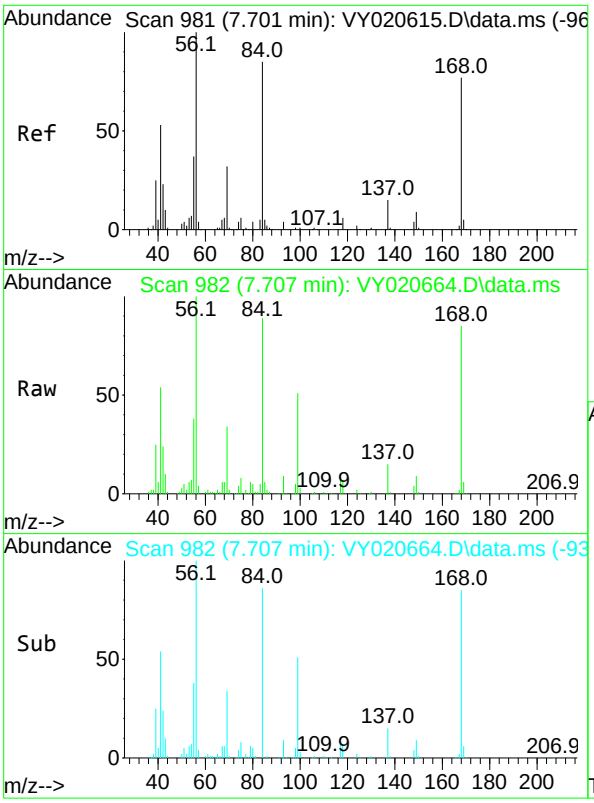


#30
Chloroform
Concen: 53.857 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.007 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 83 Resp: 227859

Ion	Ratio	Lower	Upper
83	100		
85	67.5	52.7	79.1



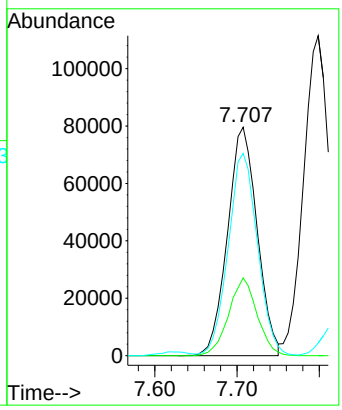


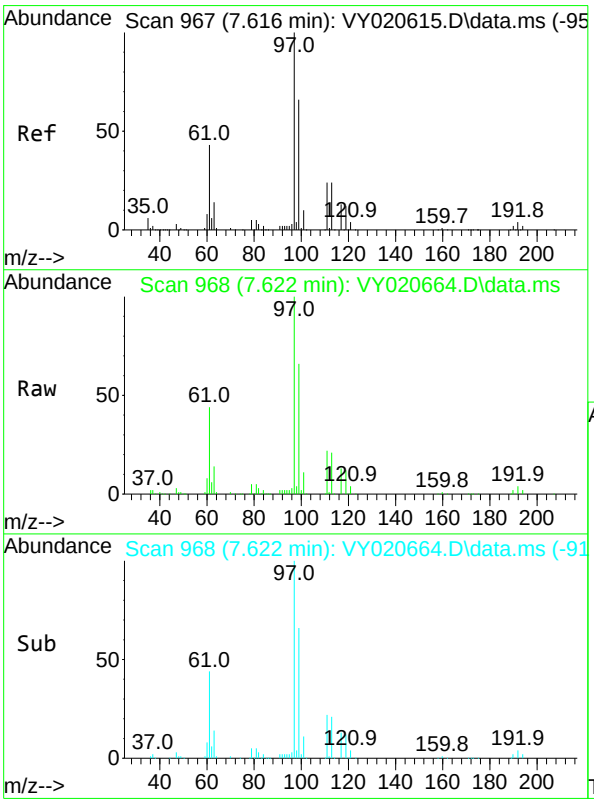
#31
Cyclohexane
Concen: 49.141 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 199490

Ion	Ratio	Lower	Upper
56	100		
69	34.0	25.4	38.0
84	86.9	68.3	102.5

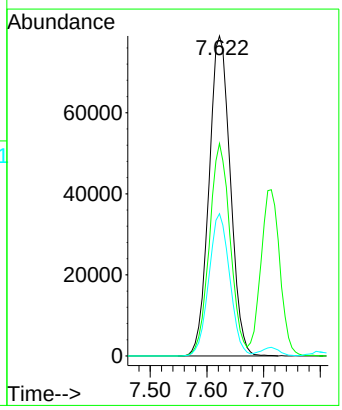


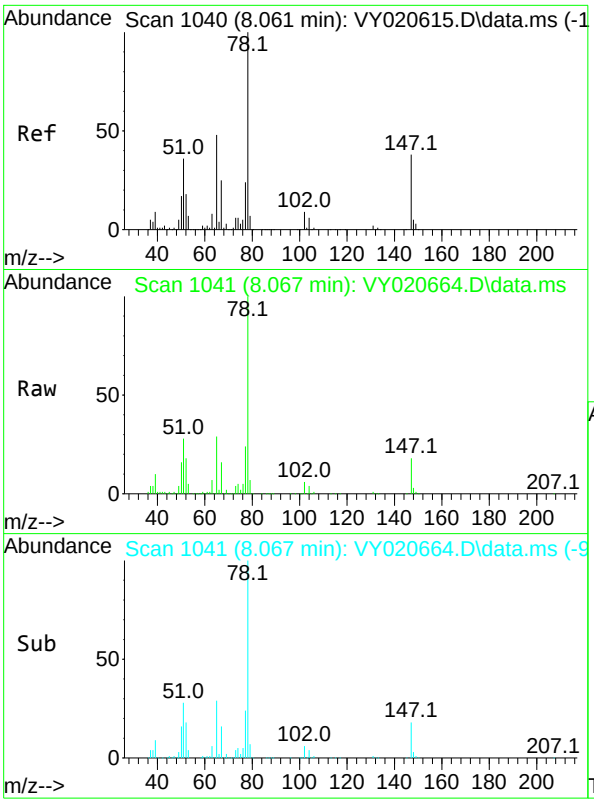


#32
1,1,1-Trichloroethane
Concen: 52.846 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 97 Resp: 206129

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.6	77.4
61	43.6	34.7	52.1



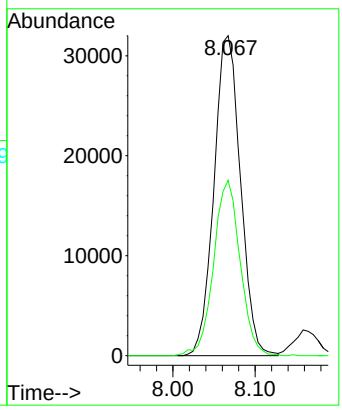


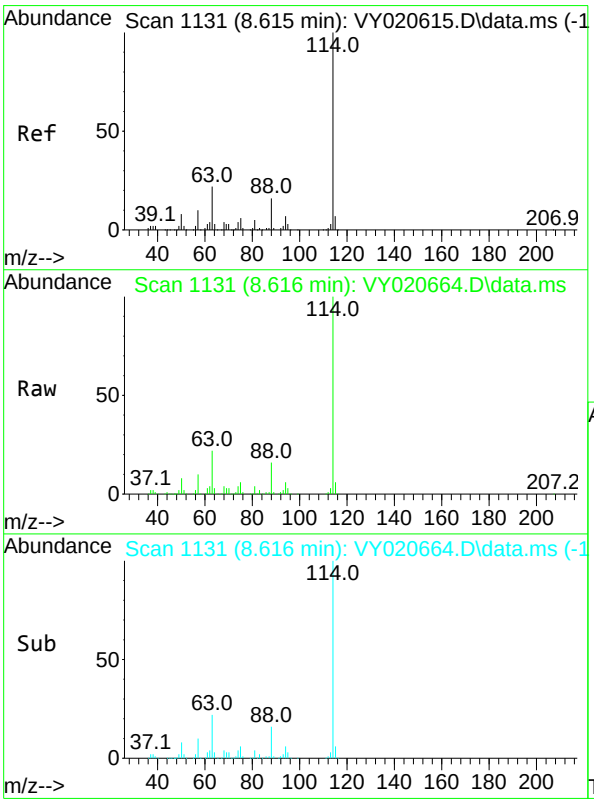
#33
1,2-Dichloroethane-d4
Concen: 40.336 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 71807

Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	108.0

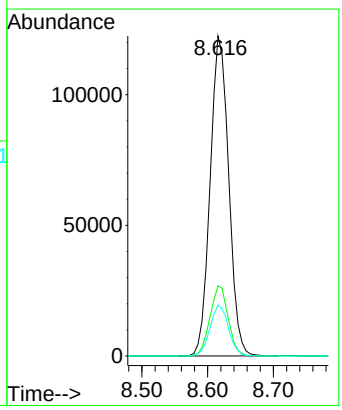


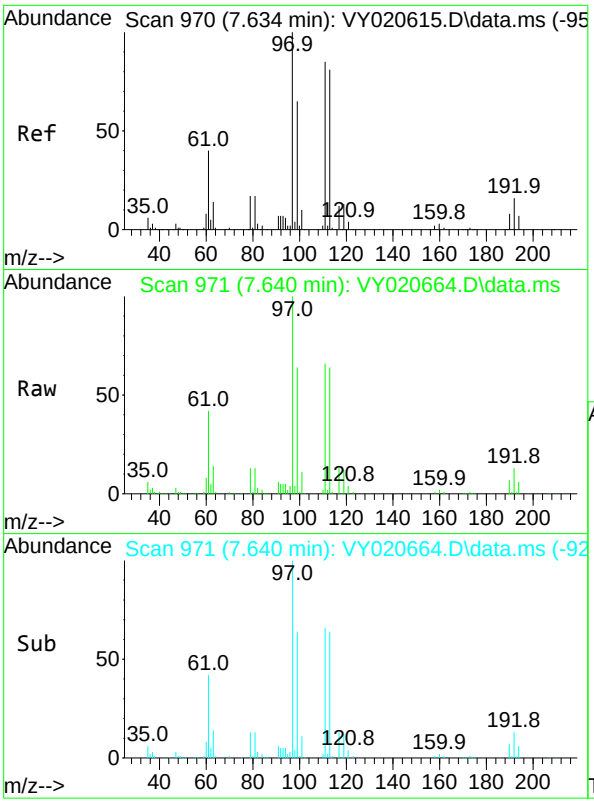


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:114 Resp: 240673

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	16.0	0.0	32.8



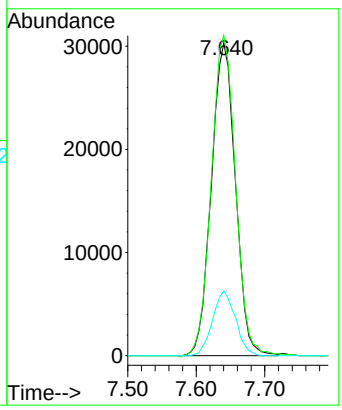


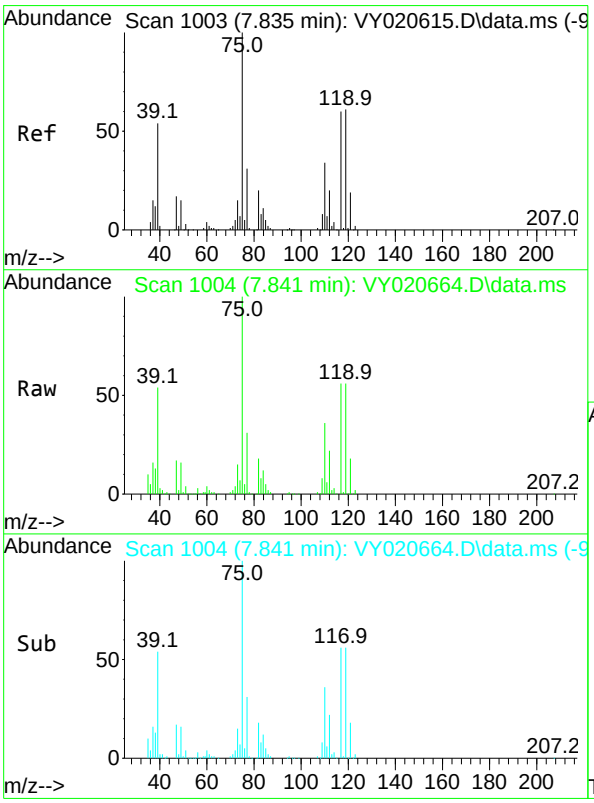
#35
Dibromofluoromethane
Concen: 43.459 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 73716

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.9	124.3
192	19.8	15.7	23.5

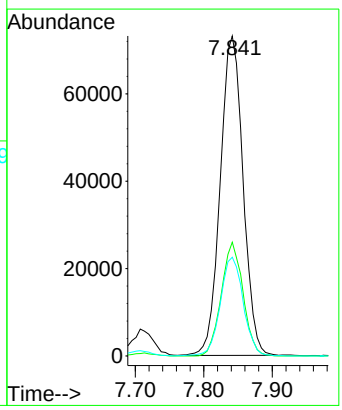


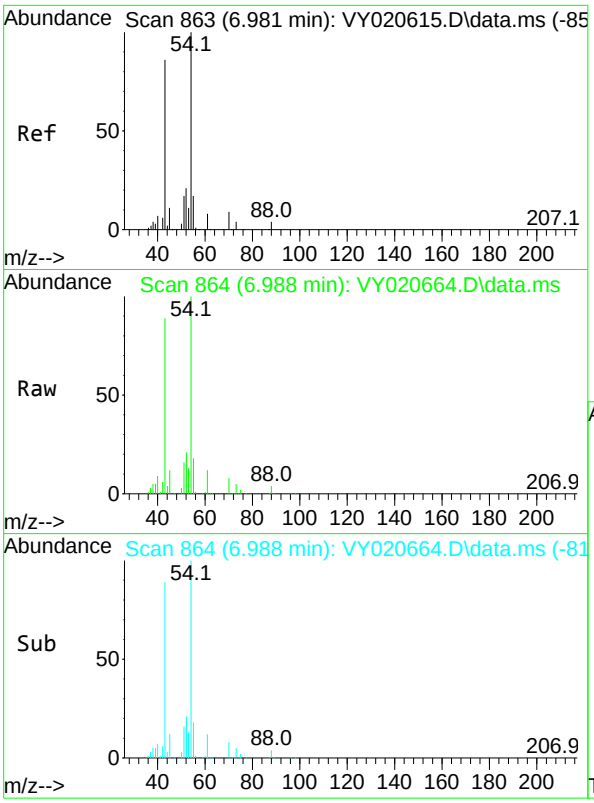


#36
1,1-Dichloropropene
Concen: 54.656 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 75 Resp: 169048

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.8	50.4
77	31.1	25.0	37.6



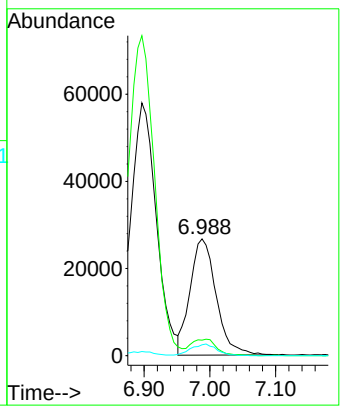


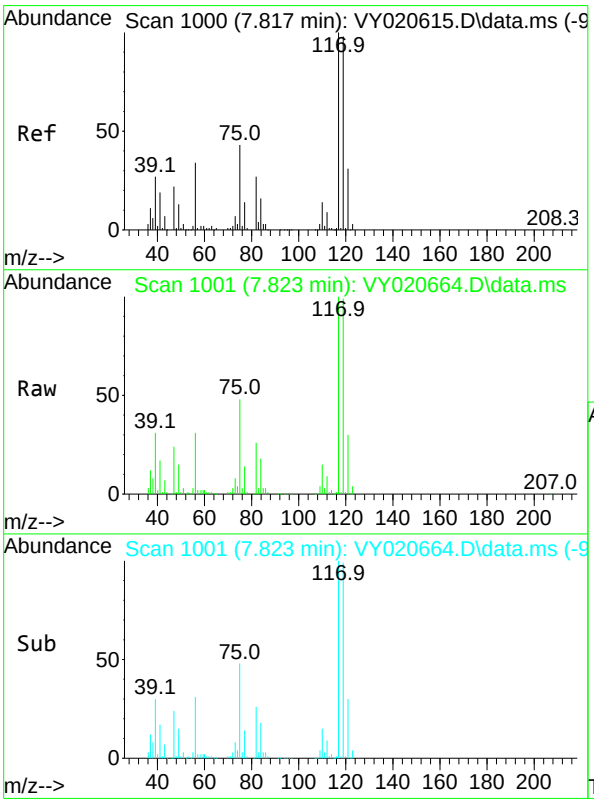
#37
Ethyl Acetate
Concen: 50.481 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 73443

Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.0	16.4
70	9.9	7.9	11.9

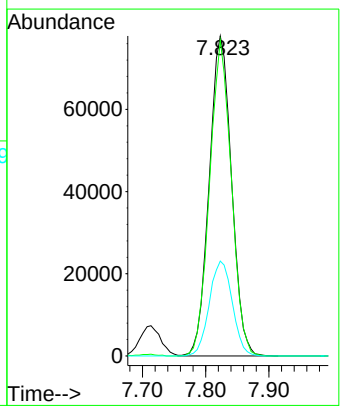


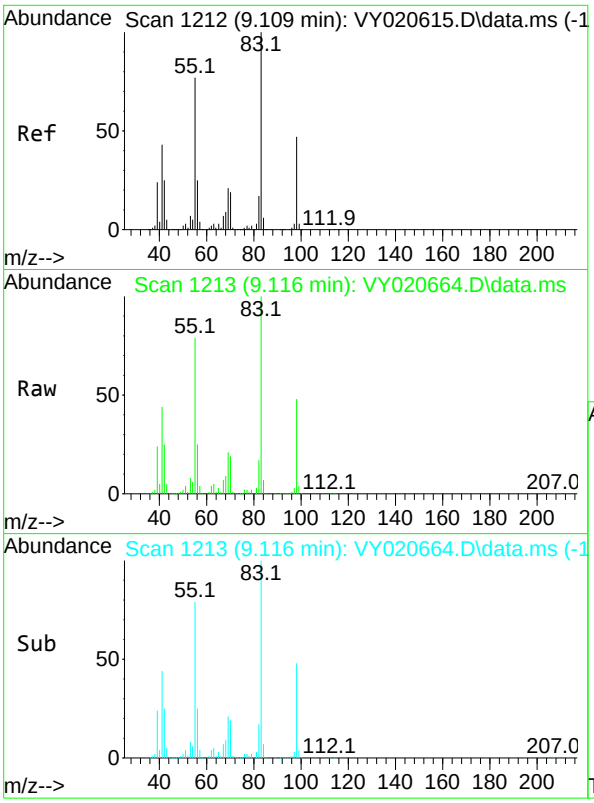


#38
Carbon Tetrachloride
Concen: 55.798 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:117 Resp: 190940

Ion	Ratio	Lower	Upper
117	100		
119	98.6	78.3	117.5
121	29.6	25.1	37.7



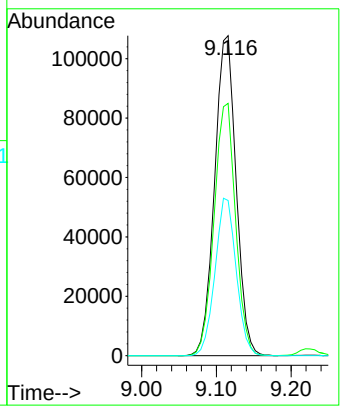


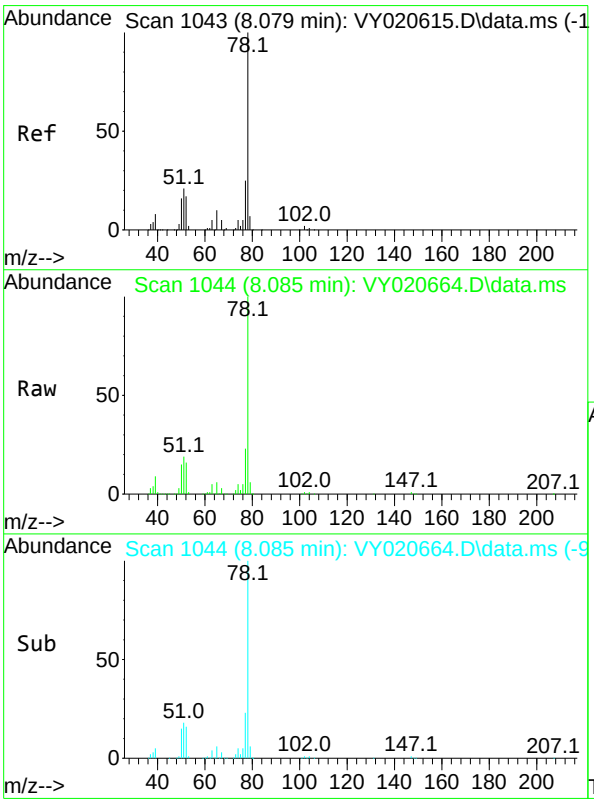
#39
Methylcyclohexane
Concen: 53.650 ug/l
RT: 9.116 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 216273

Ion	Ratio	Lower	Upper
83	100		
55	78.8	61.4	92.0
98	48.5	37.3	55.9

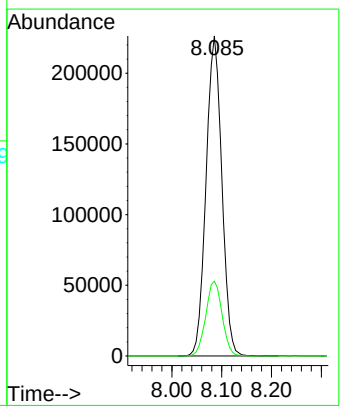


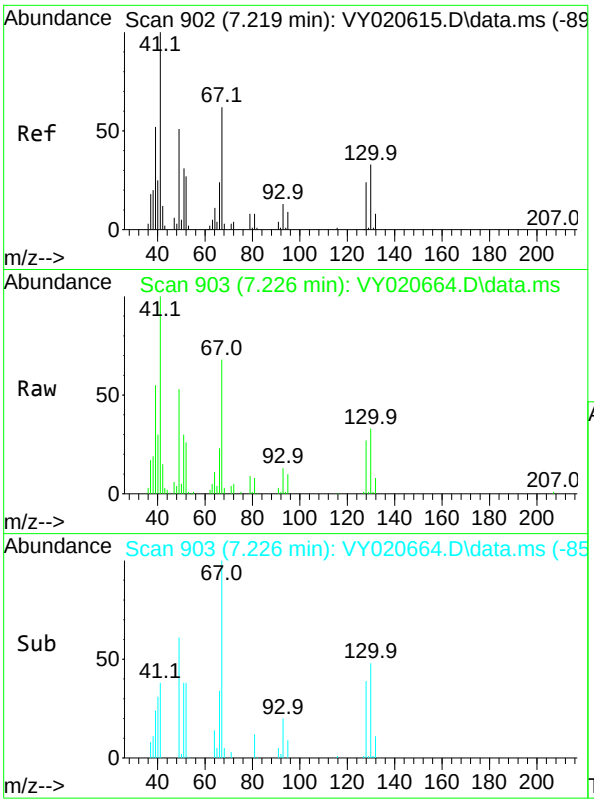


#40
Benzene
Concen: 54.799 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 78 Resp: 496803

Ion	Ratio	Lower	Upper
78	100		
77	23.3	20.1	30.1



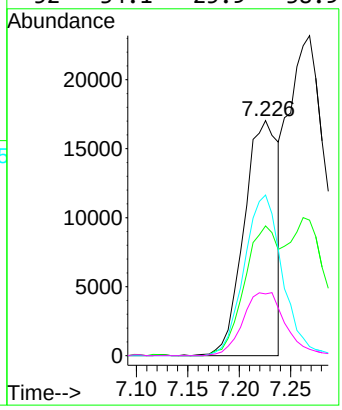


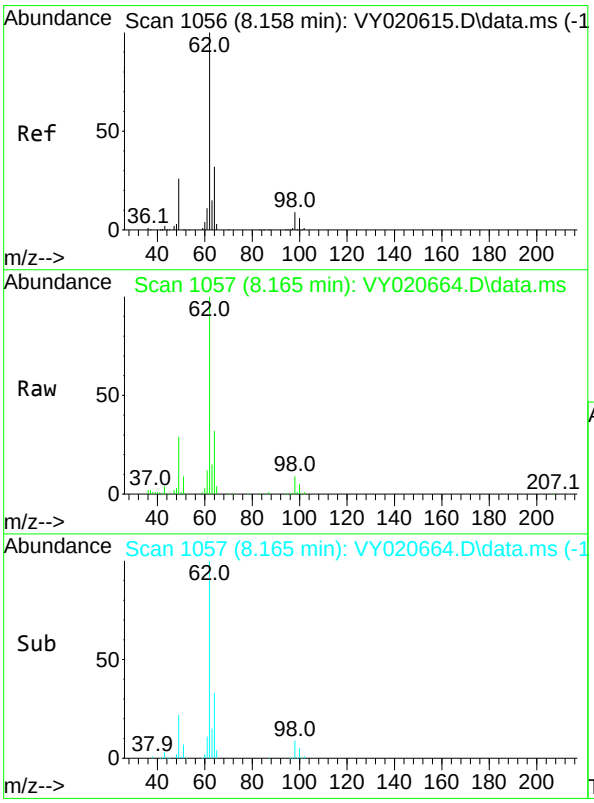
#41
Methacrylonitrile
Concen: 50.789 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 39064

Ion	Ratio	Lower	Upper
41	100		
39	53.9	53.6	80.4
67	77.3	62.0	93.0
52	34.1	25.9	38.9

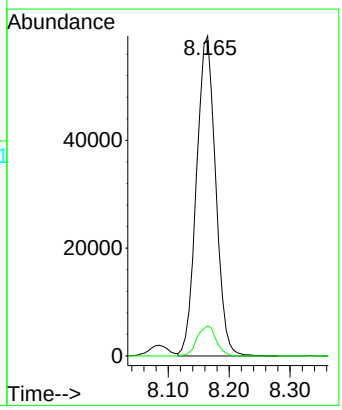


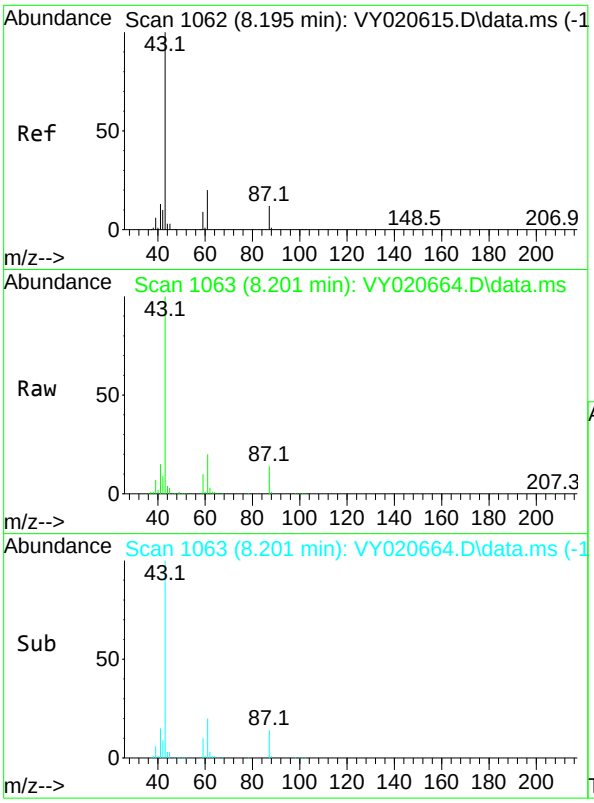


#42
1,2-Dichloroethane
Concen: 53.978 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 62 Resp: 129790

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.0



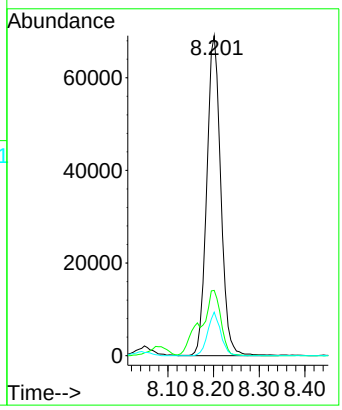


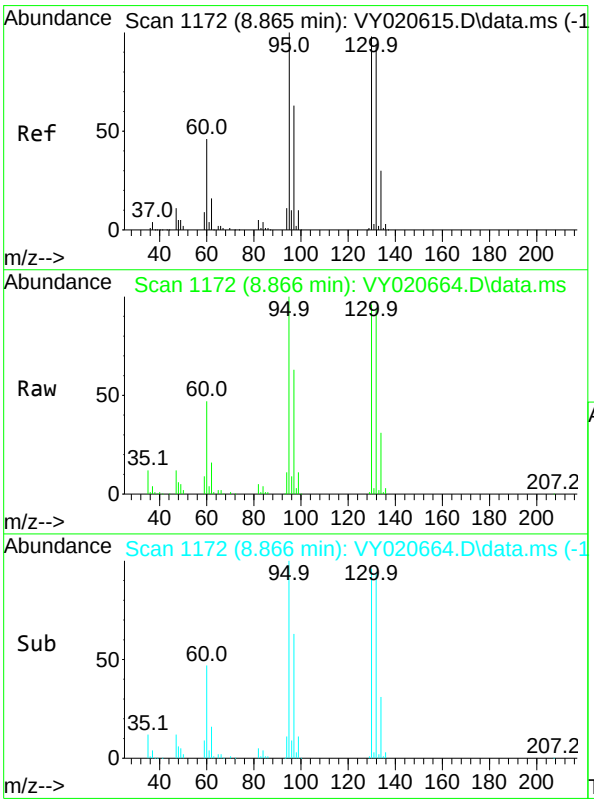
#43
Isopropyl Acetate
Concen: 53.344 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 146927

Ion	Ratio	Lower	Upper
43	100		
61	21.5	23.8	35.6#
87	12.6	10.2	15.4

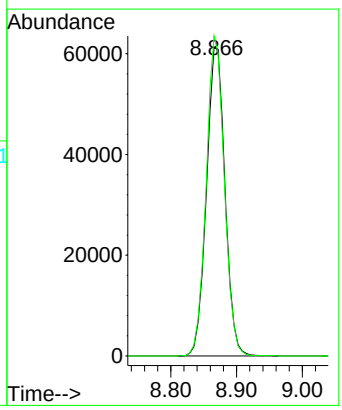


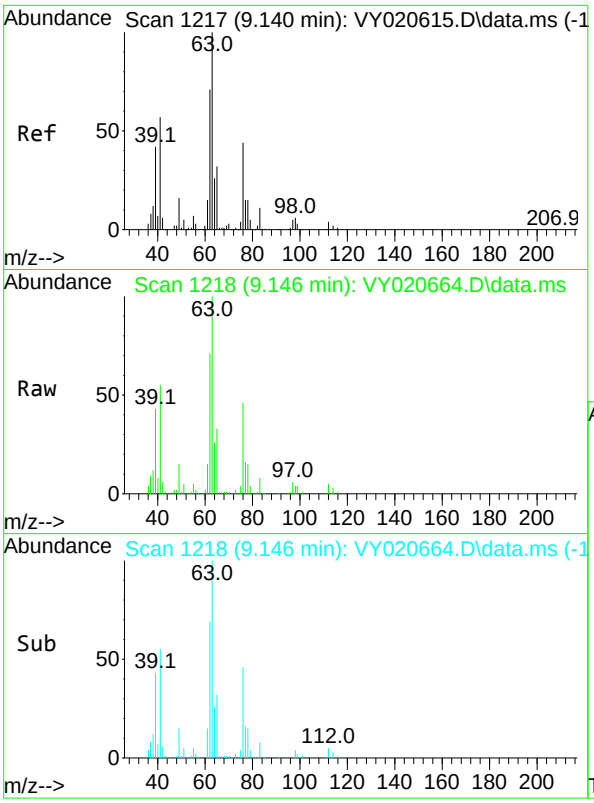


#44
Trichloroethene
Concen: 53.915 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:130 Resp: 120106

Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	203.2



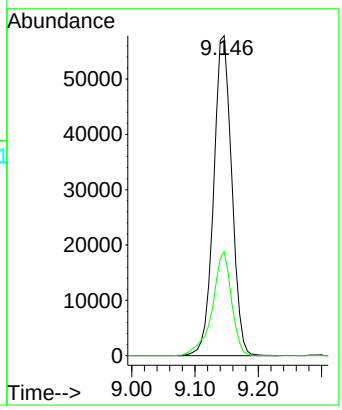


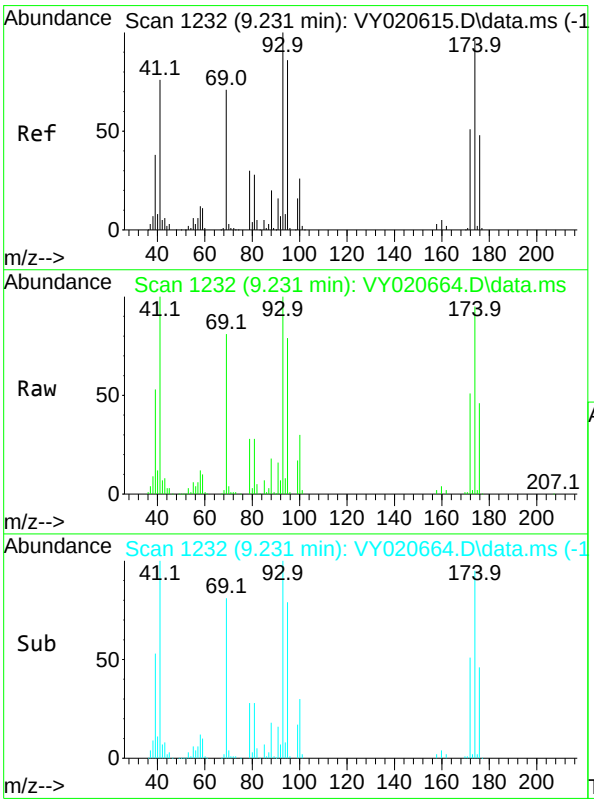
#45
1,2-Dichloropropane
Concen: 54.113 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 114657

Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.9	38.9

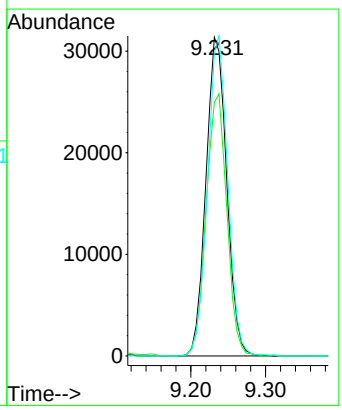


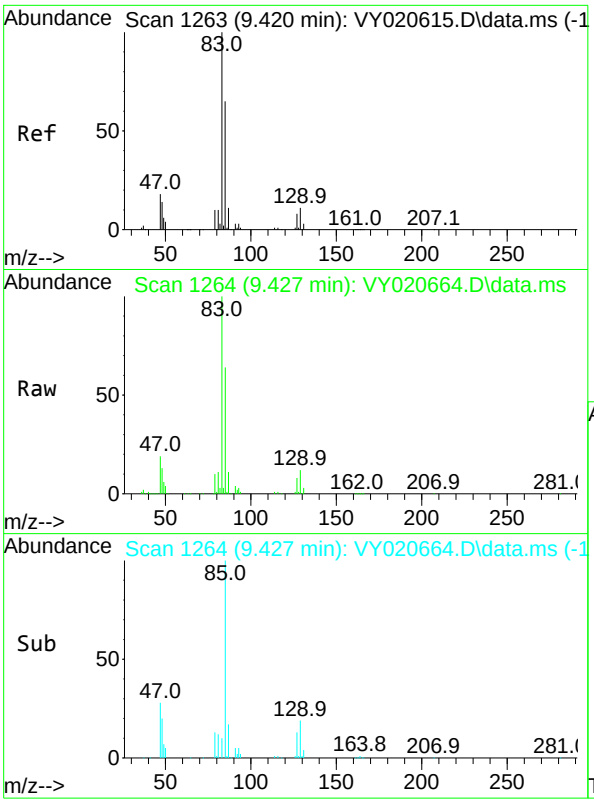


#46
Dibromomethane
Concen: 54.086 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 93 Resp: 60564

Ion	Ratio	Lower	Upper
93	100		
95	81.9	66.7	100.1
174	97.9	77.8	116.6



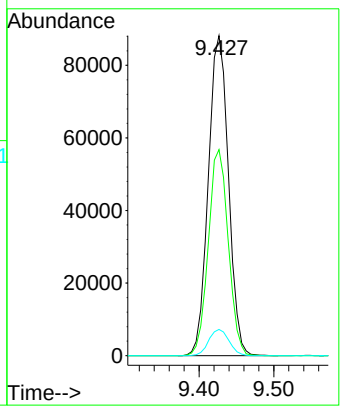


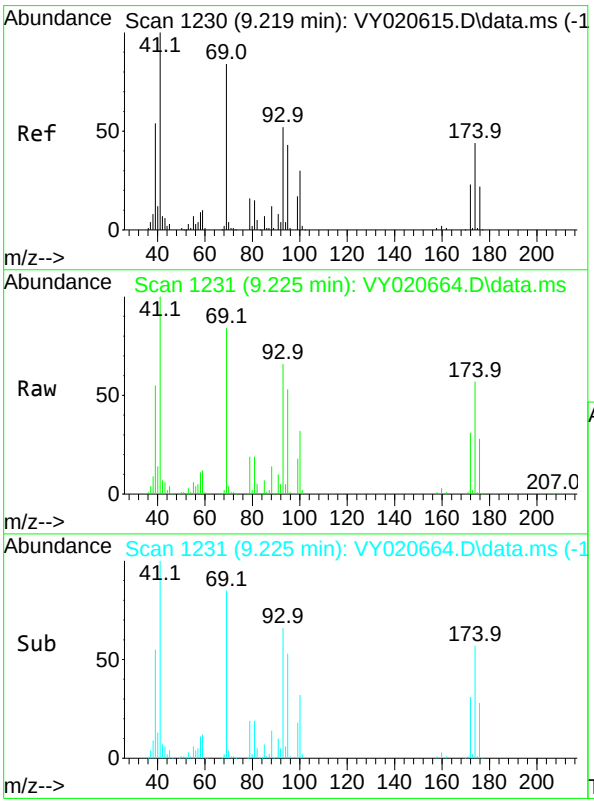
#47
Bromodichloromethane
Concen: 54.644 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 165285

Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.1	78.1
127	8.2	6.7	10.1

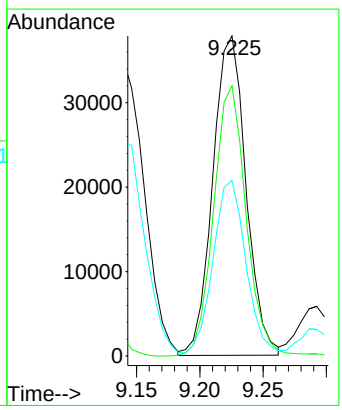


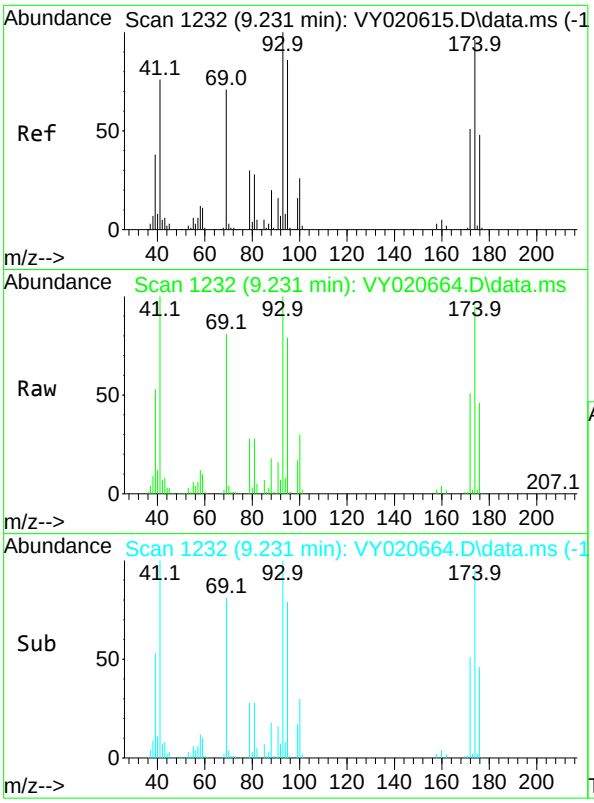


#48
Methyl methacrylate
Concen: 52.772 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 41 Resp: 69098

Ion	Ratio	Lower	Upper
41	100		
69	82.9	67.2	100.8
39	52.7	42.2	63.4



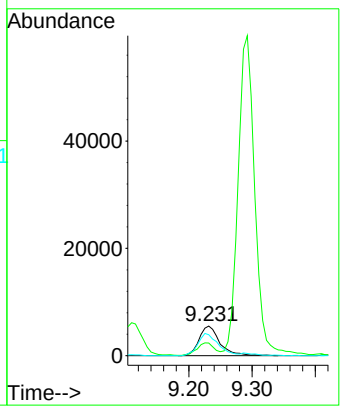


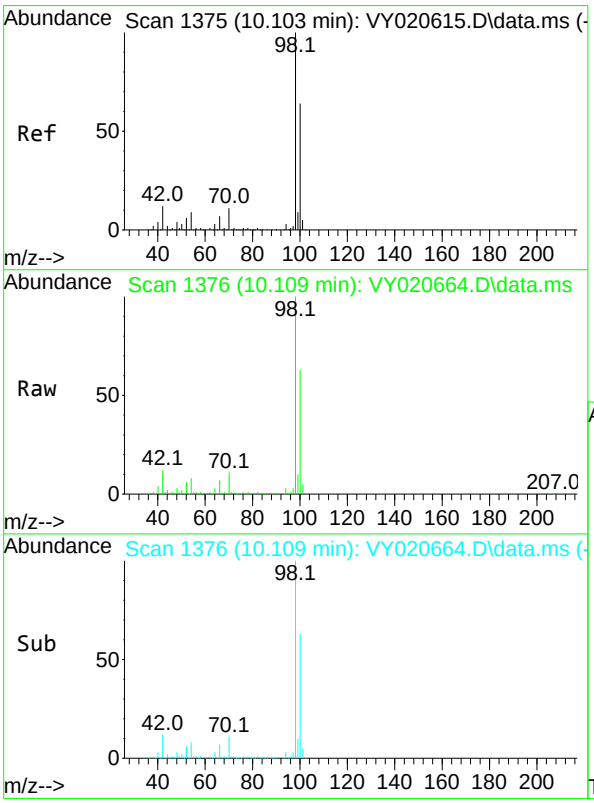
#49
1,4-Dioxane
Concen: 981.949 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 12610

Ion	Ratio	Lower	Upper
88	100		
43	35.8	27.6	41.4
58	73.7	61.7	92.5

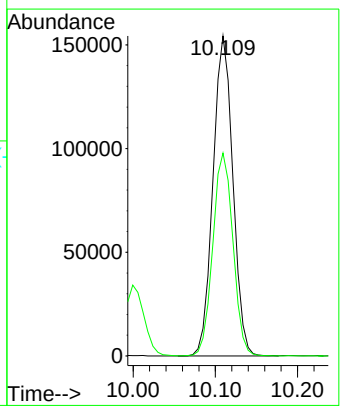


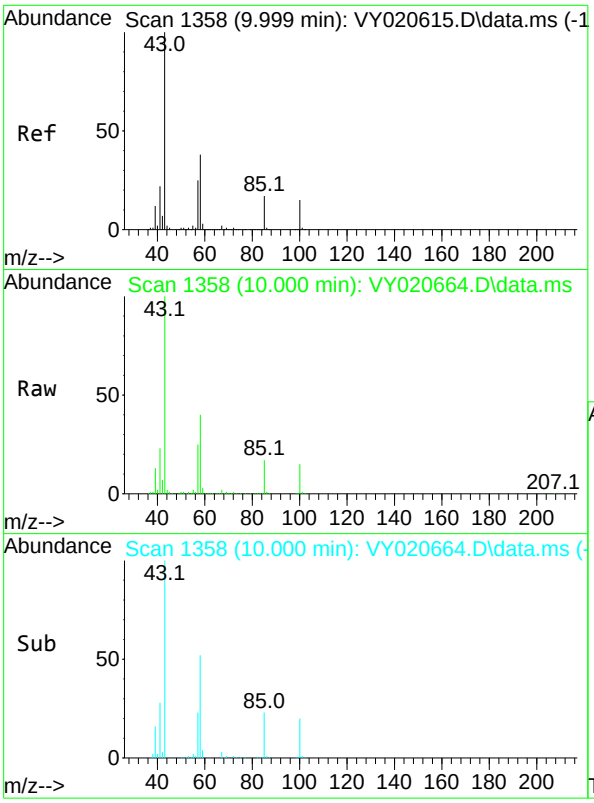


#50
Toluene-d8
Concen: 43.661 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 98 Resp: 259216

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.1	78.1



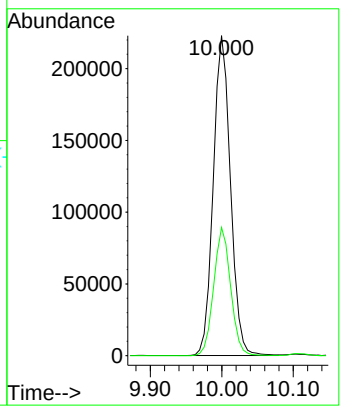


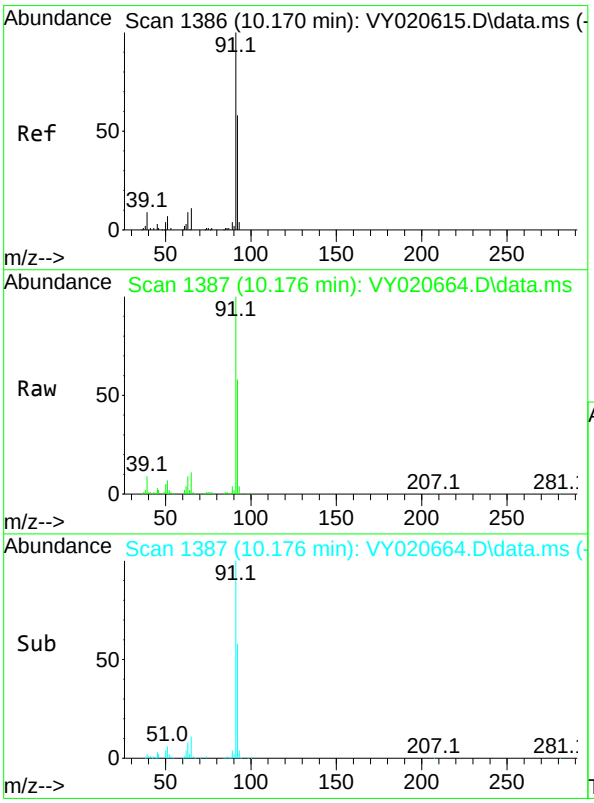
#51
4-Methyl-2-Pentanone
Concen: 256.228 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 372513

Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.4	47.2

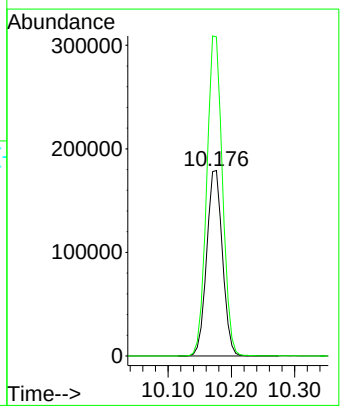


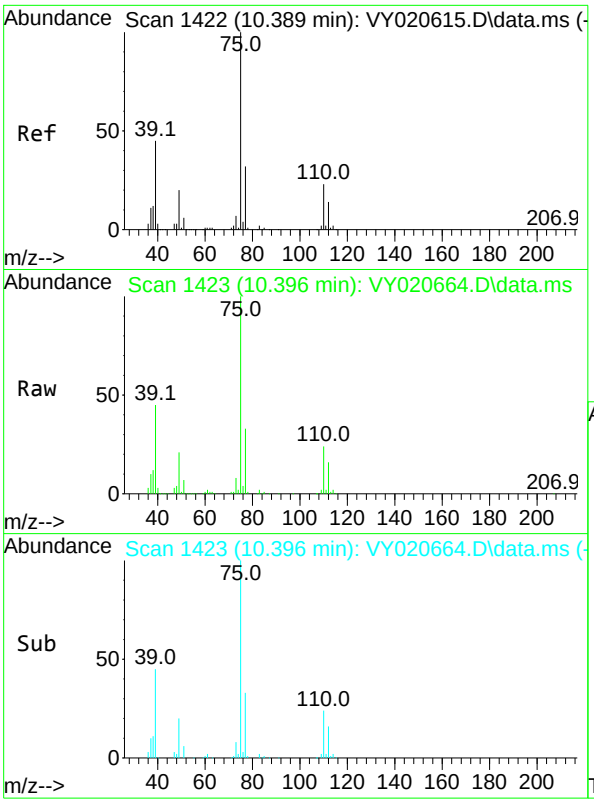


#52
Toluene
Concen: 55.159 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 92 Resp: 310772

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.4	206.0



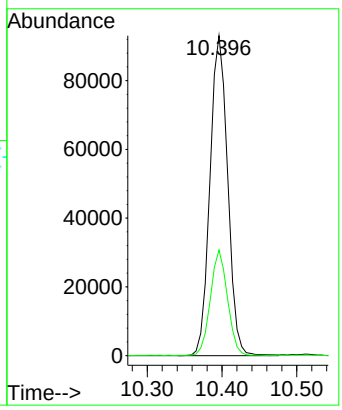


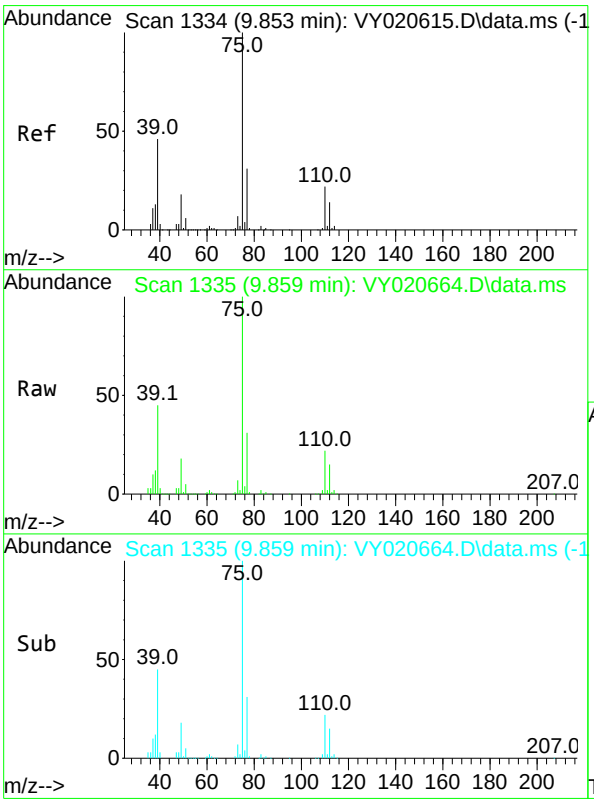
#53
t-1,3-Dichloropropene
Concen: 54.306 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 153061

Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.4	38.2

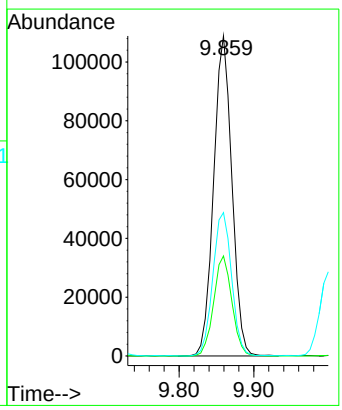


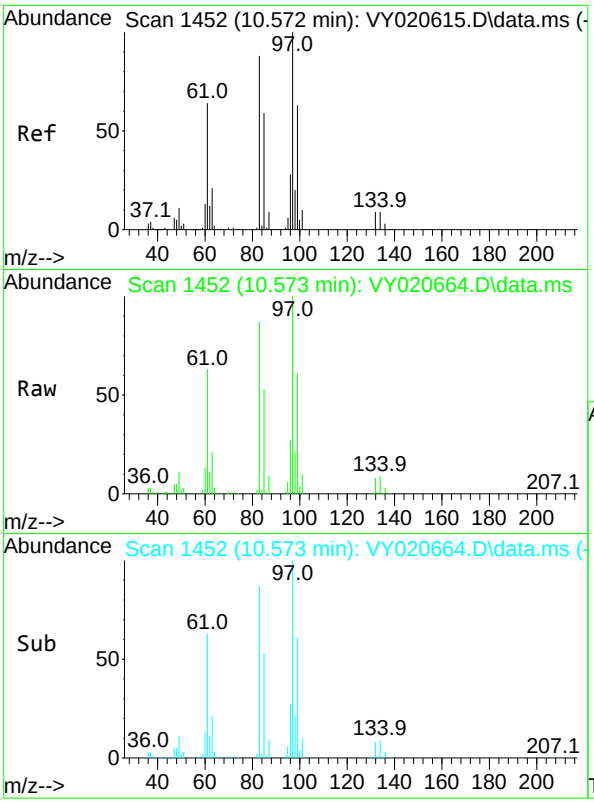


#54
cis-1,3-Dichloropropene
Concen: 55.407 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 75 Resp: 185052

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.6	36.8
39	44.8	36.4	54.6



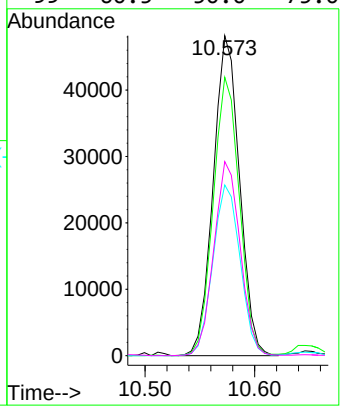


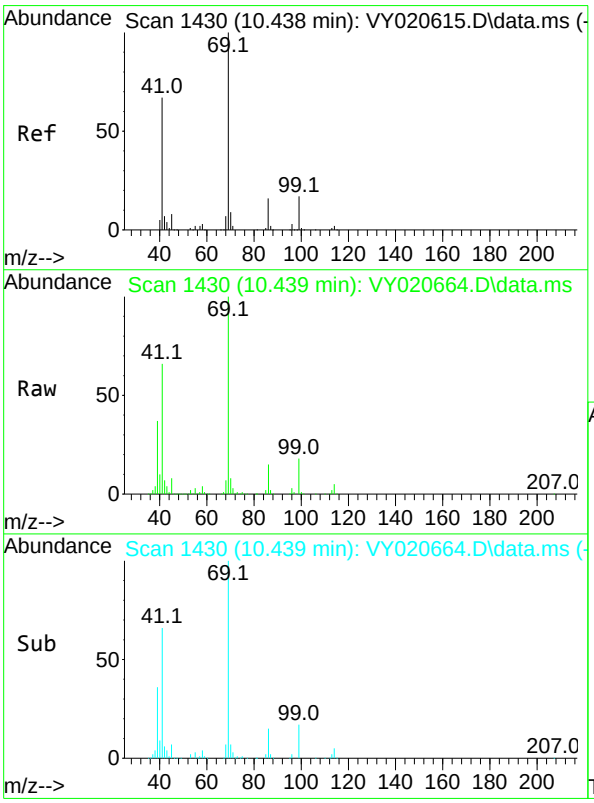
#55
1,1,2-Trichloroethane
Concen: 54.290 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 80376

Ion	Ratio	Lower	Upper
97	100		
83	86.9	70.4	105.6
85	53.3	47.2	70.8
99	60.5	50.0	75.0

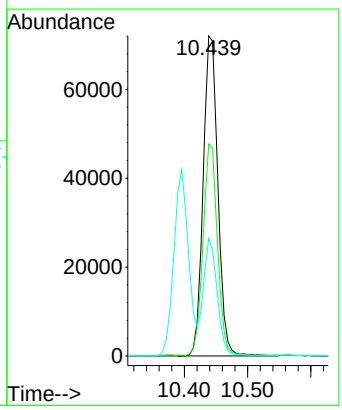


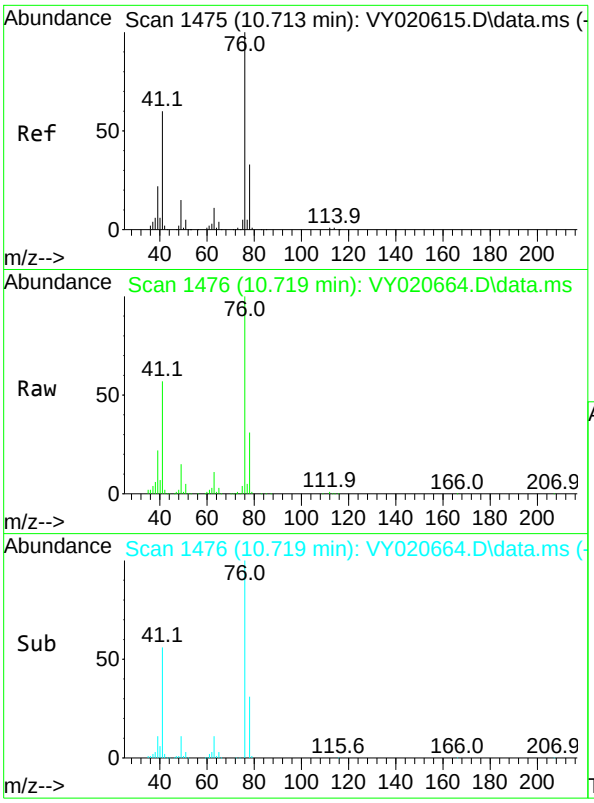


#56
Ethyl methacrylate
Concen: 54.394 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 69 Resp: 116828

Ion	Ratio	Lower	Upper
69	100		
41	64.9	54.0	81.0
39	34.0	27.9	41.9



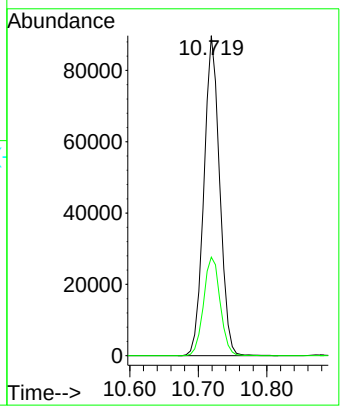


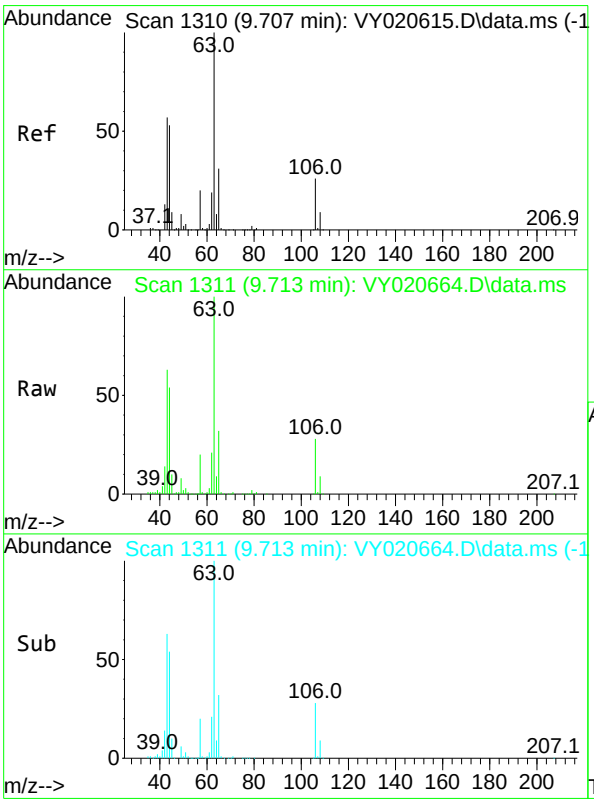
#57
1,3-Dichloropropane
Concen: 54.257 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 143193

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8

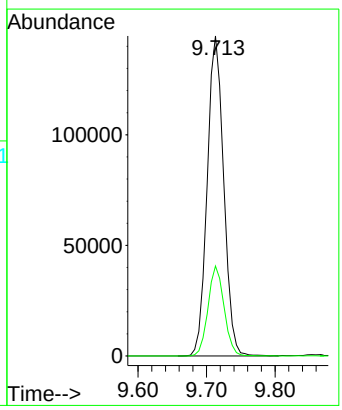


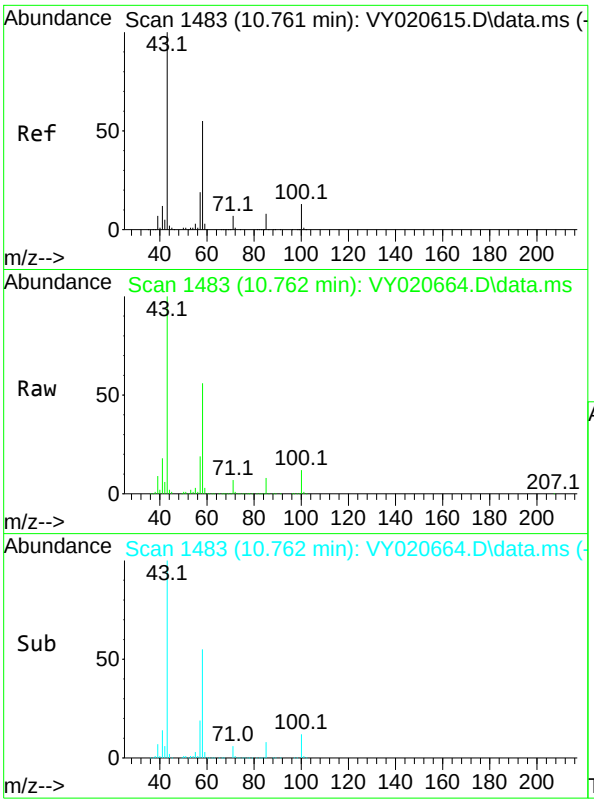


#58
2-Chloroethyl Vinyl ether
Concen: 268.265 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 63 Resp: 242438

Ion	Ratio	Lower	Upper
63	100		
106	27.3	21.5	32.3



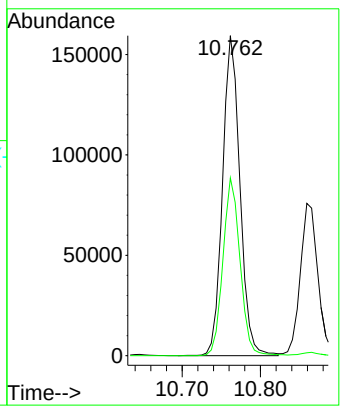


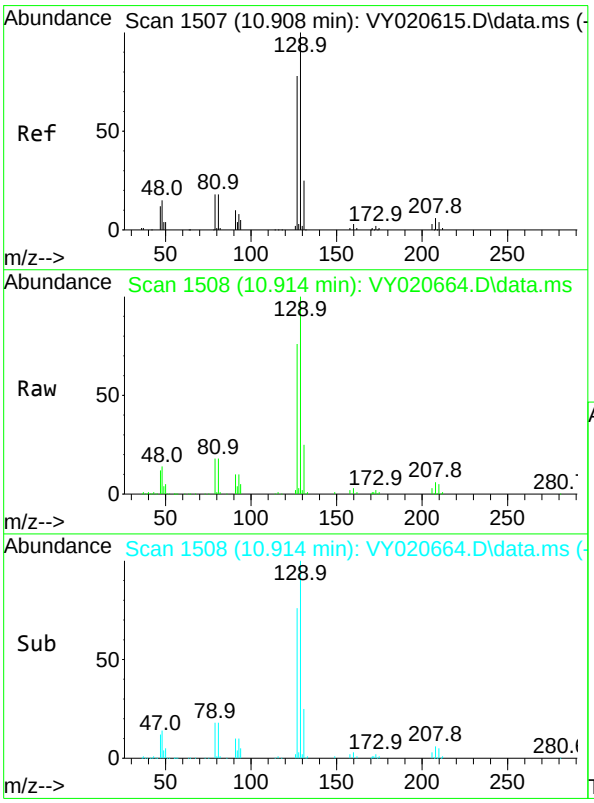
#59
2-Hexanone
Concen: 263.689 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 246134

Ion	Ratio	Lower	Upper
43	100		
58	54.7	27.2	81.6

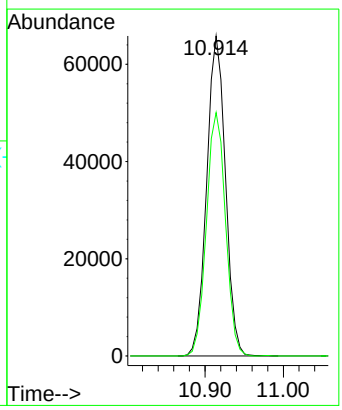


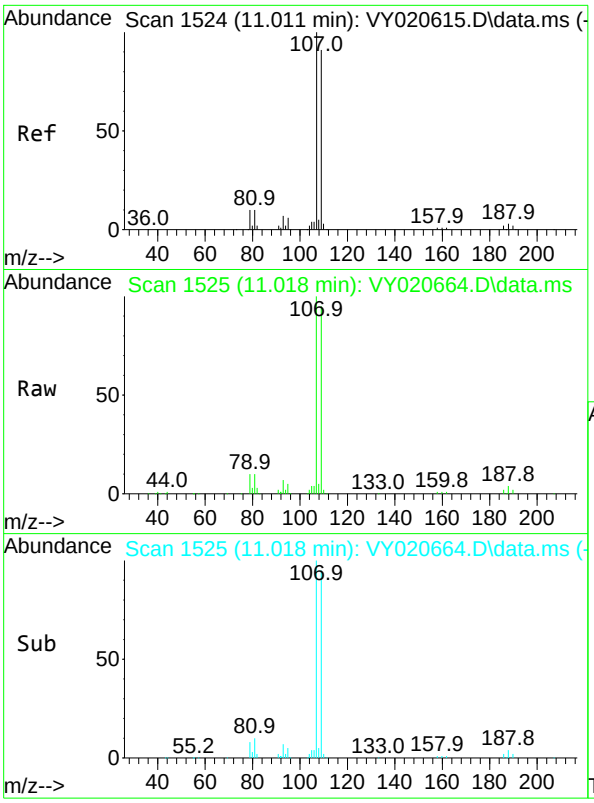


#60
Dibromochloromethane
Concen: 55.226 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:129 Resp: 109346

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.1	114.3



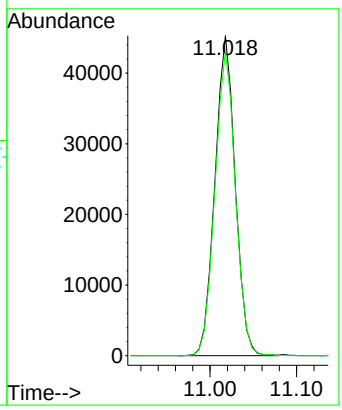


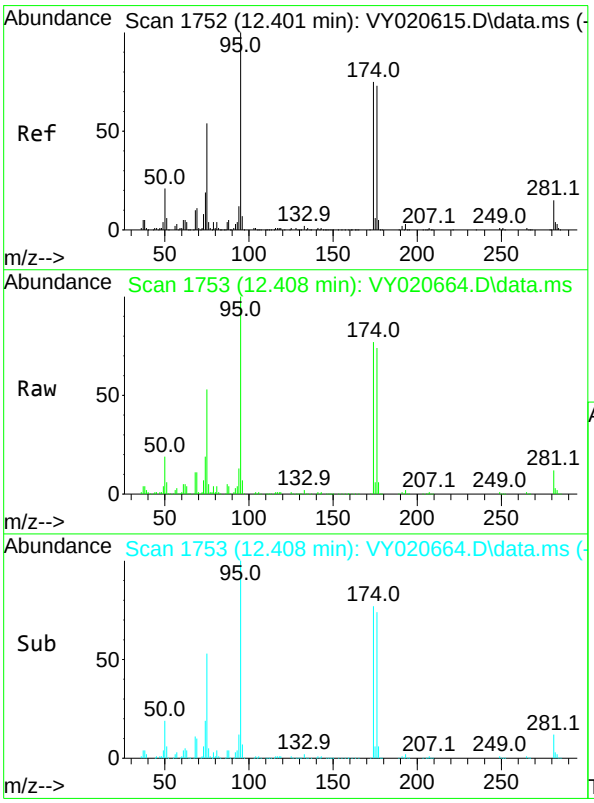
#61
1,2-Dibromoethane
Concen: 53.496 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 73670

Ion	Ratio	Lower	Upper
107	100		
109	96.0	75.4	113.2

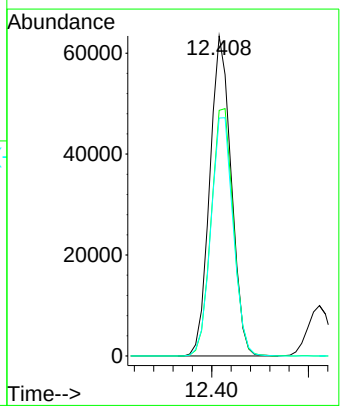


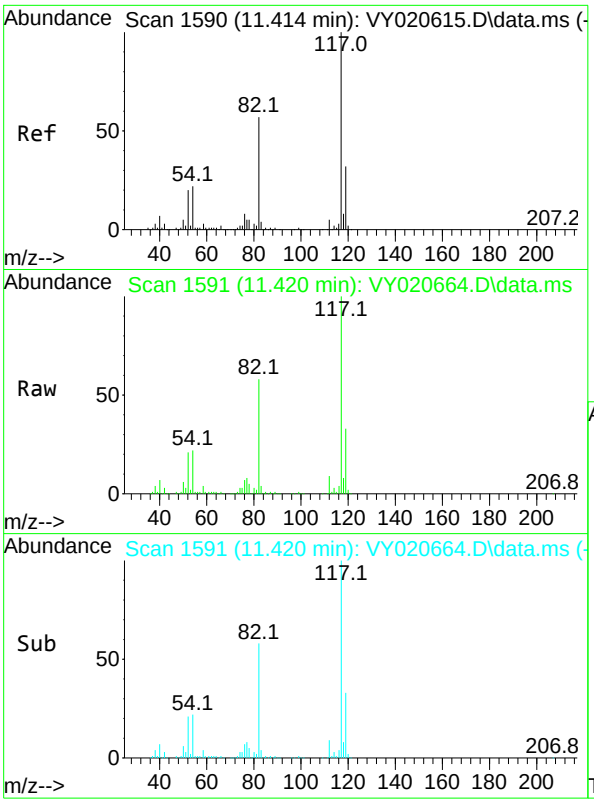


#62
4-Bromofluorobenzene
Concen: 42.036 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 95 Resp: 97623

Ion	Ratio	Lower	Upper
95	100		
174	79.5	0.0	161.8
176	77.0	0.0	156.6



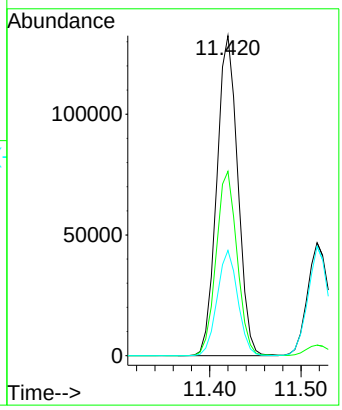


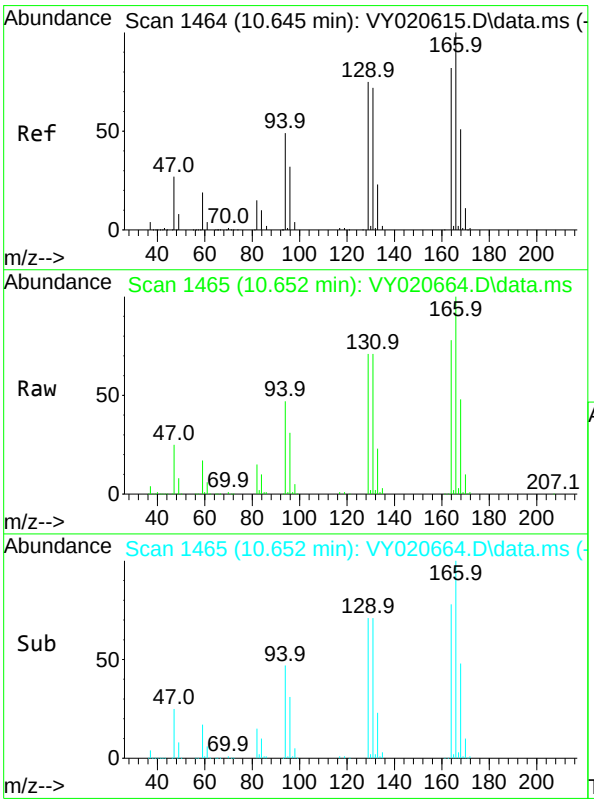
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 212145

Ion	Ratio	Lower	Upper
117	100		
82	57.6	45.8	68.6
119	32.9	25.3	37.9

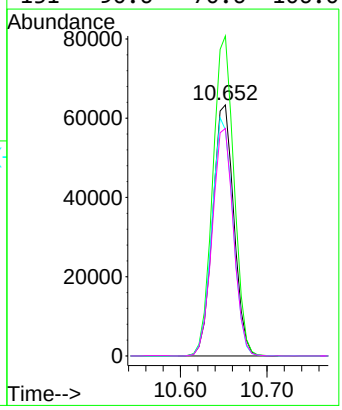


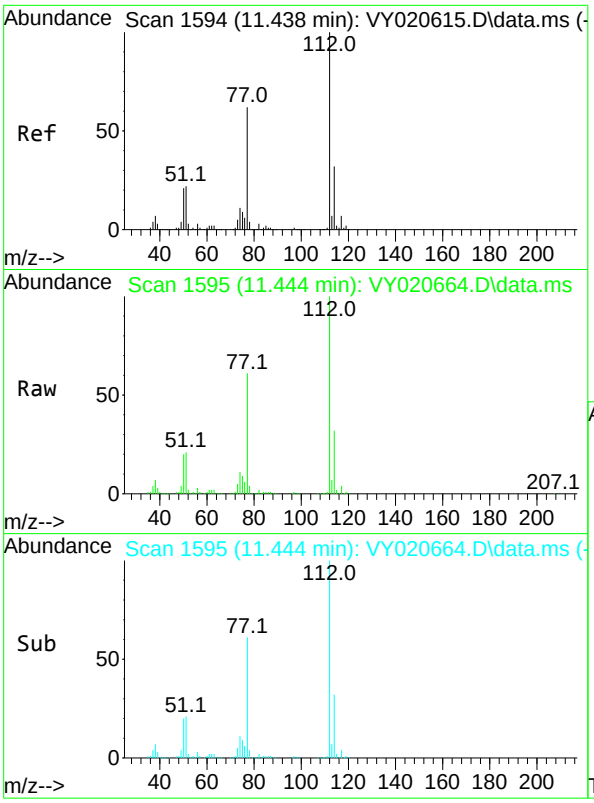


#64
Tetrachloroethene
Concen: 53.958 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:164 Resp: 107671

Ion	Ratio	Lower	Upper
164	100		
166	127.4	97.9	146.9
129	90.1	73.4	110.0
131	90.6	70.6	106.0



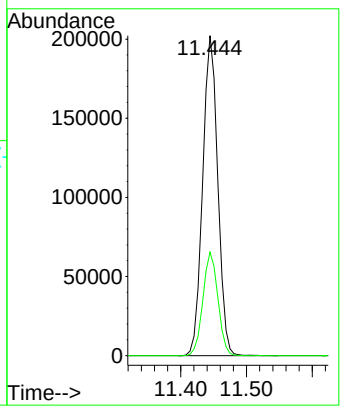


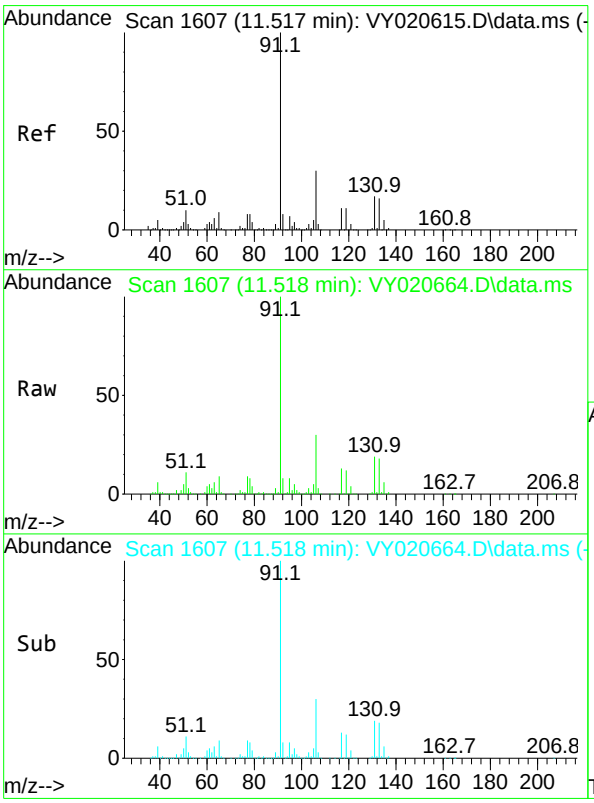
#65
Chlorobenzene
Concen: 54.474 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 323124

Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.0	39.0

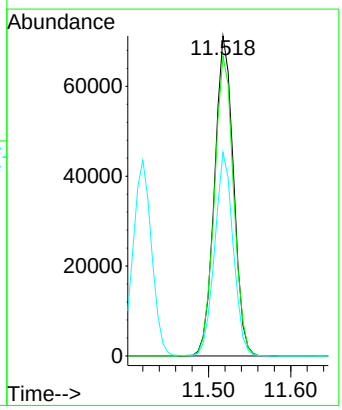


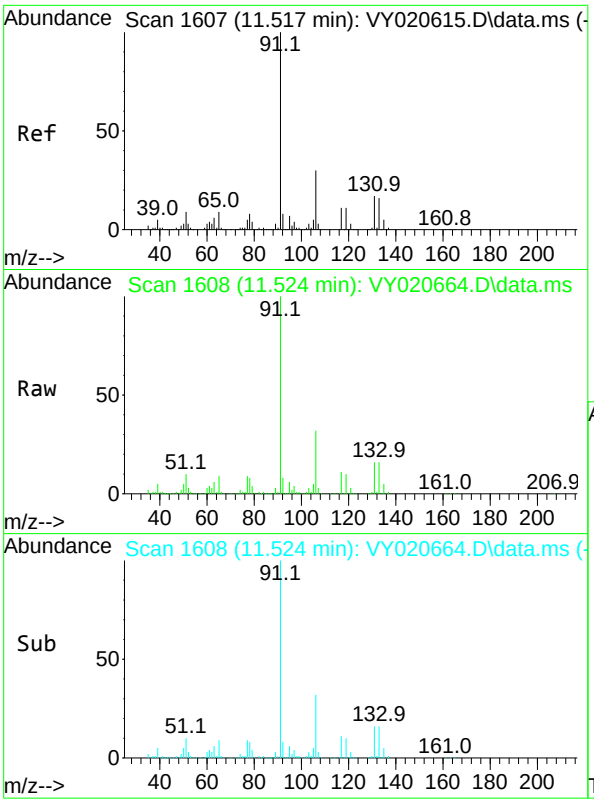


#66
1,1,1,2-Tetrachloroethane
Concen: 56.252 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:131 Resp: 114100

Ion	Ratio	Lower	Upper
131	100		
133	94.9	46.8	140.3
119	62.2	31.8	95.3



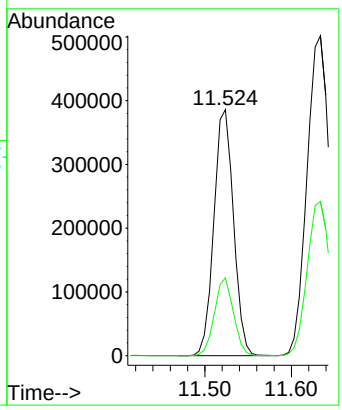


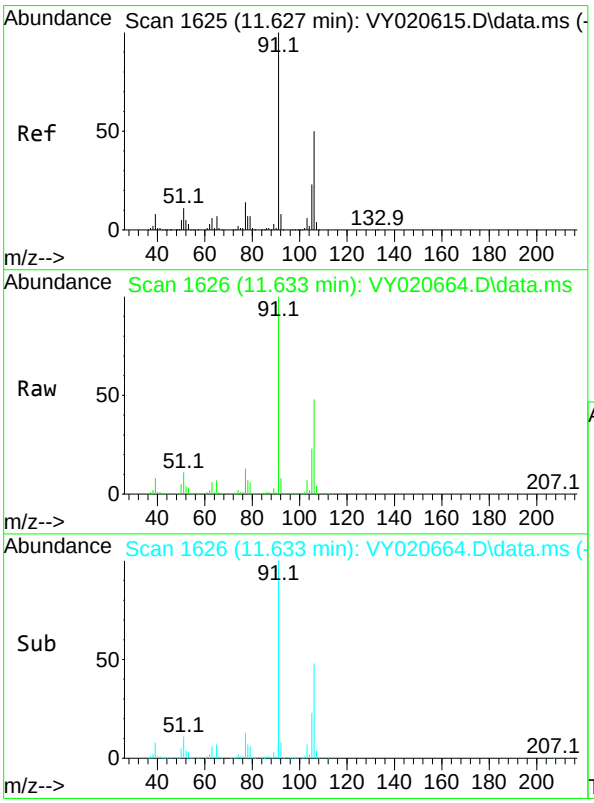
#67
Ethyl Benzene
Concen: 55.519 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 607565

Ion	Ratio	Lower	Upper
91	100		
106	31.6	23.9	35.9

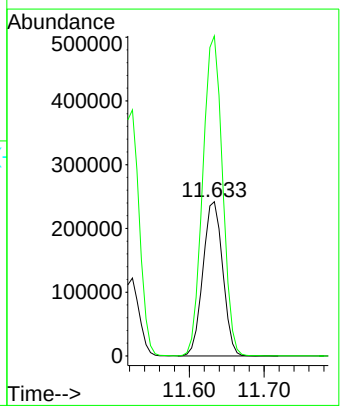


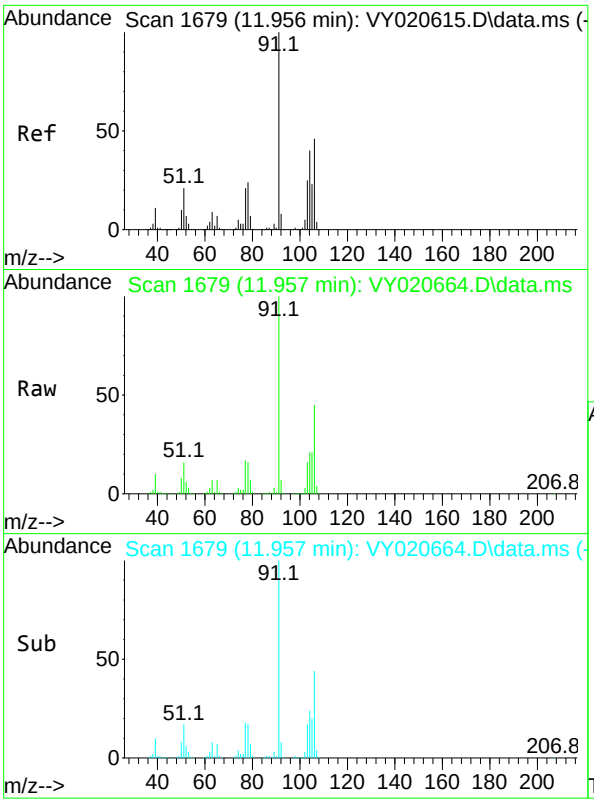


#68
m/p-Xylenes
Concen: 109.344 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:106 Resp: 444911

Ion	Ratio	Lower	Upper
106	100		
91	207.2	165.0	247.4



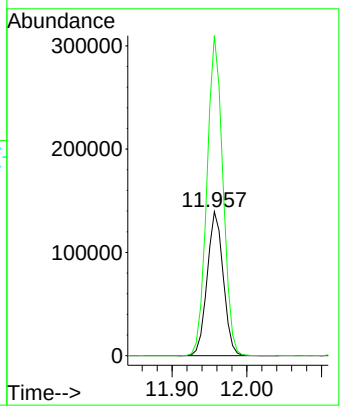


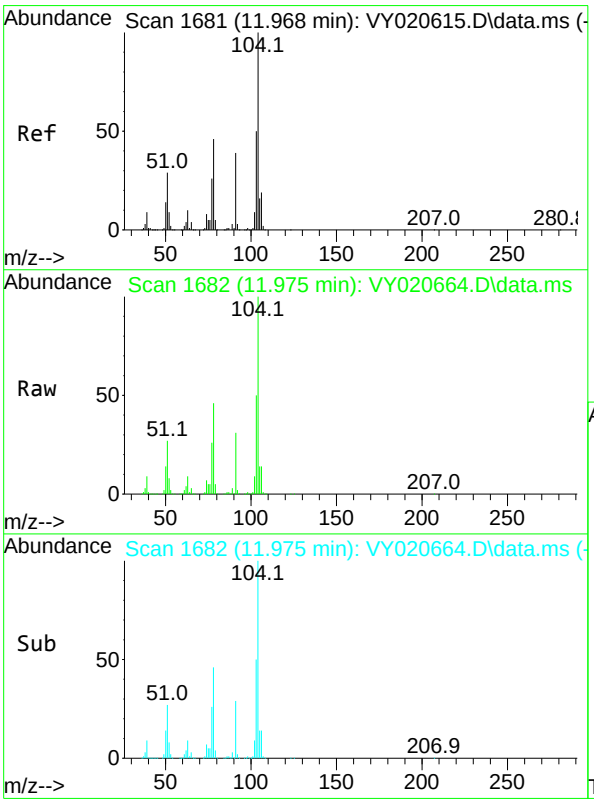
#69
o-Xylene
Concen: 54.792 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 208015

Ion	Ratio	Lower	Upper
106	100		
91	221.2	108.4	325.2

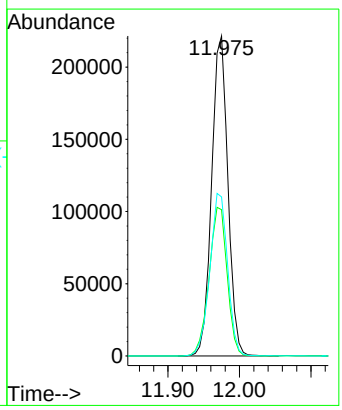


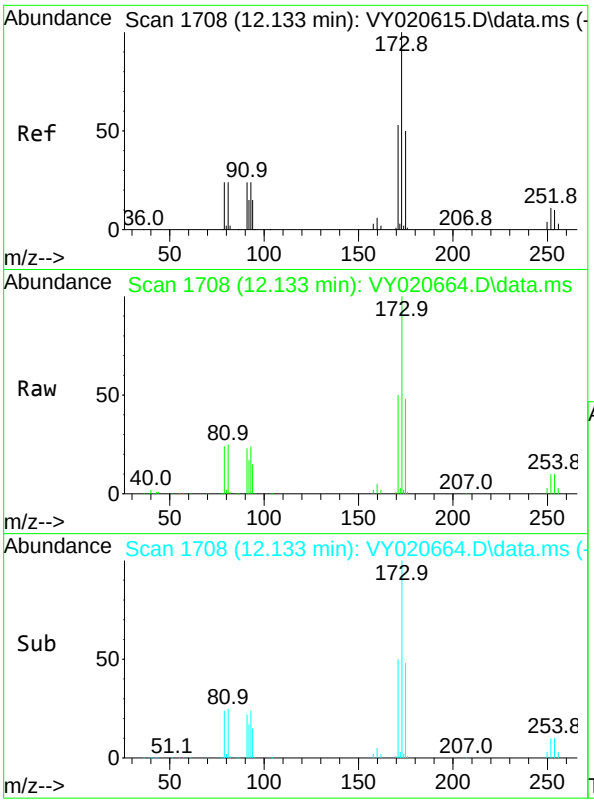


#70
Styrene
Concen: 55.127 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:104 Resp: 349665

Ion	Ratio	Lower	Upper
104	100		
78	51.8	41.6	62.4
103	55.6	43.7	65.5



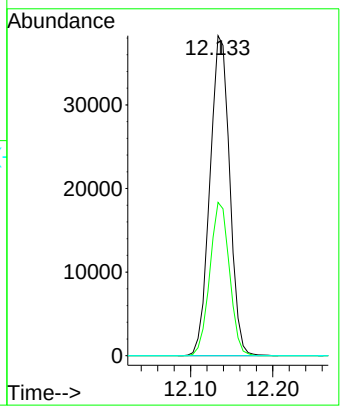


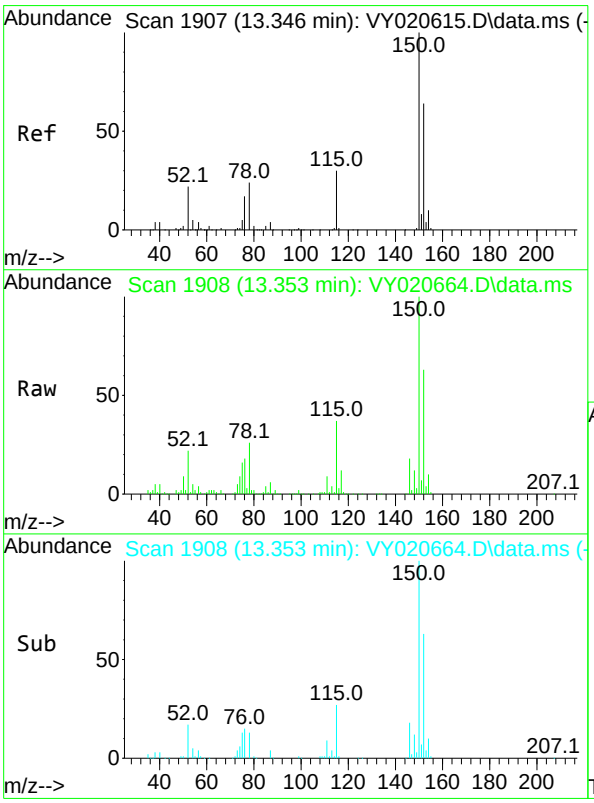
#71
Bromoform
Concen: 55.908 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 63758

Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.6	74.0
254	0.0	0.0	0.0

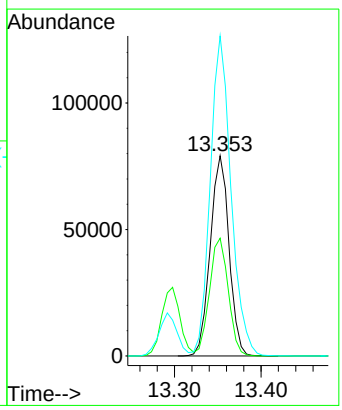


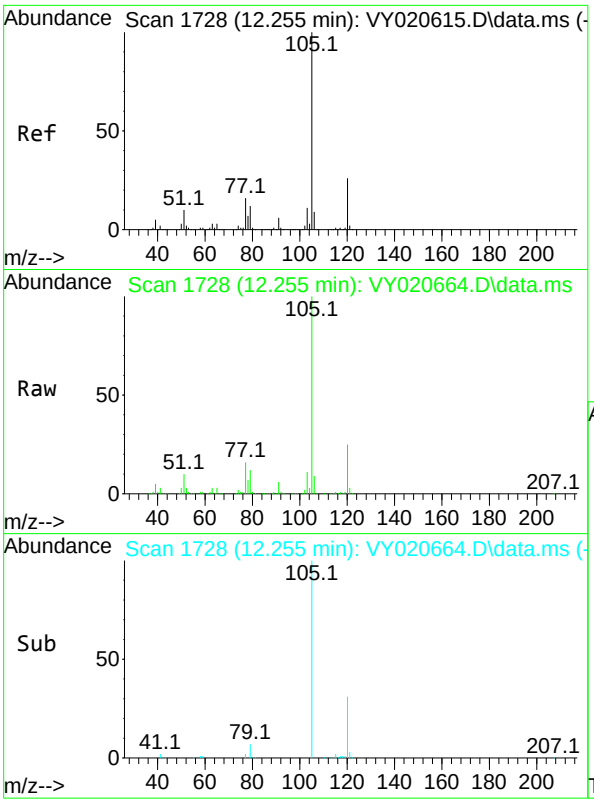


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:152 Resp: 119359

Ion	Ratio	Lower	Upper
152	100		
115	58.9	30.2	90.6
150	176.8	0.0	355.4



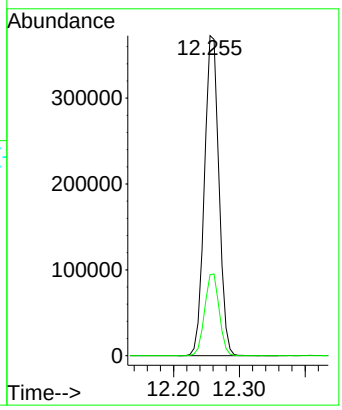


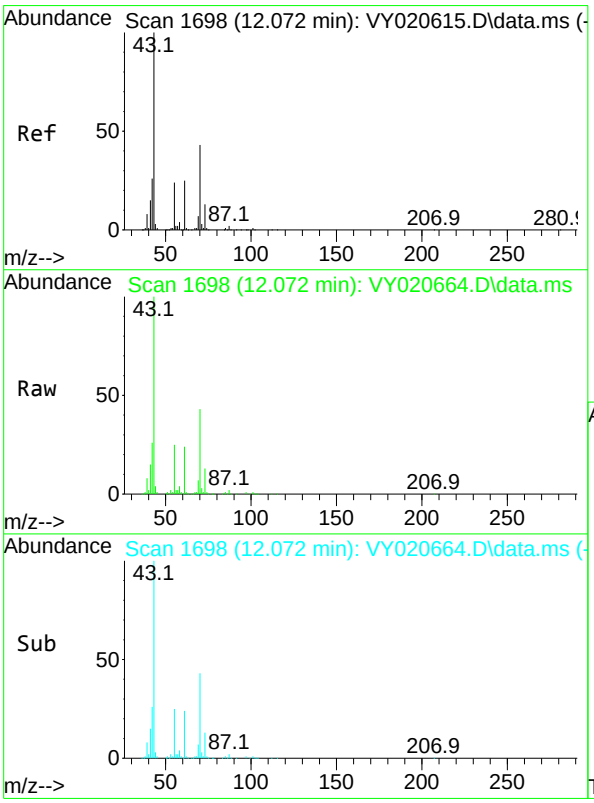
#73
Isopropylbenzene
Concen: 54.823 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 571028

Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.1	39.1

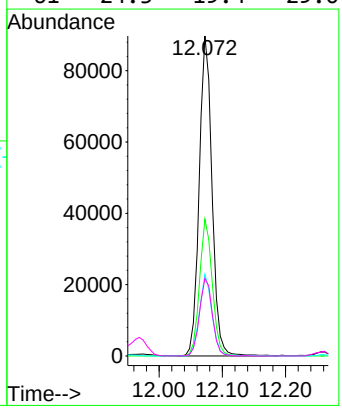


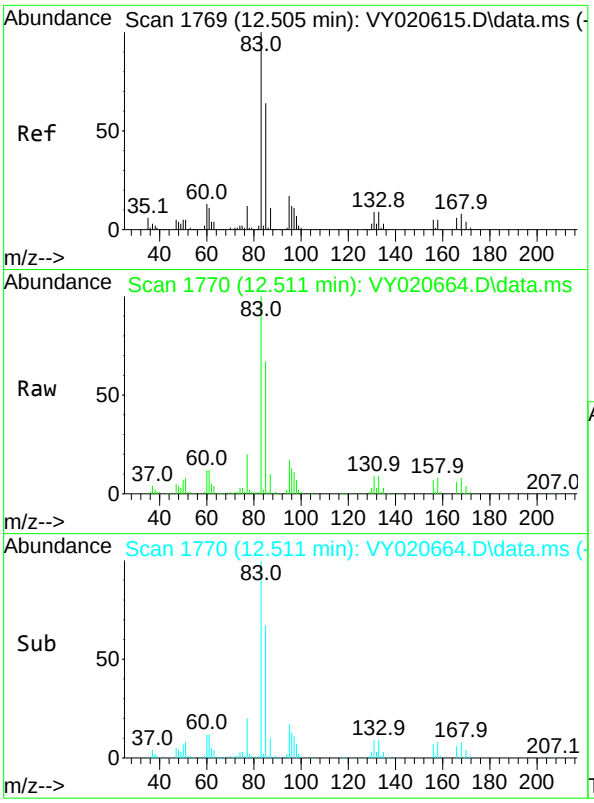


#74
N-amyl acetate
Concen: 52.048 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 43 Resp: 126874

Ion	Ratio	Lower	Upper
43	100		
70	42.4	34.2	51.2
55	24.9	19.6	29.4
61	24.3	19.4	29.0



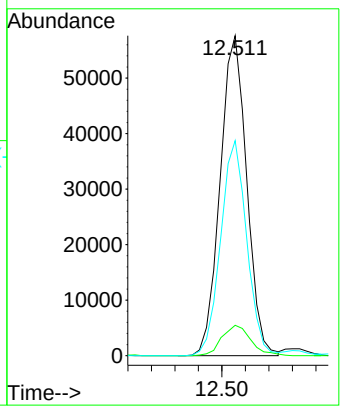


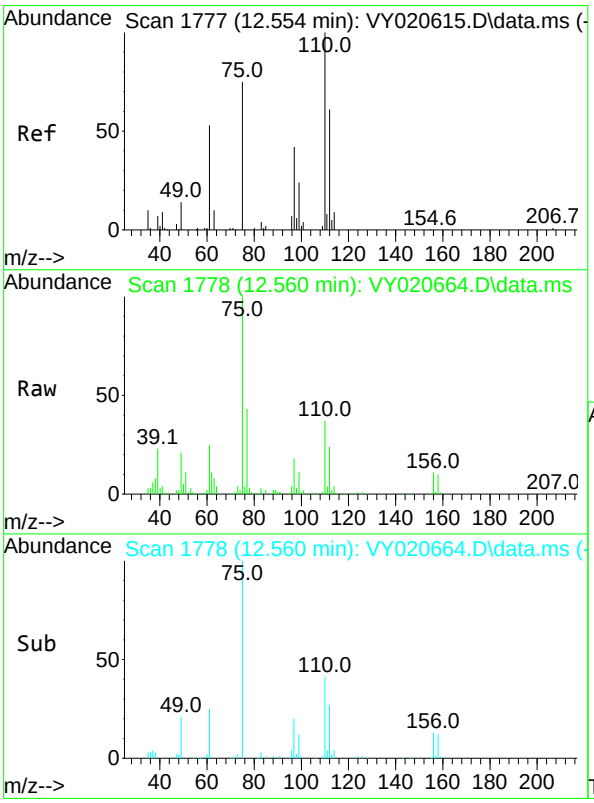
#75
1,1,2,2-Tetrachloroethane
Concen: 53.553 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 90544

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.2	15.6
85	66.2	32.5	97.4

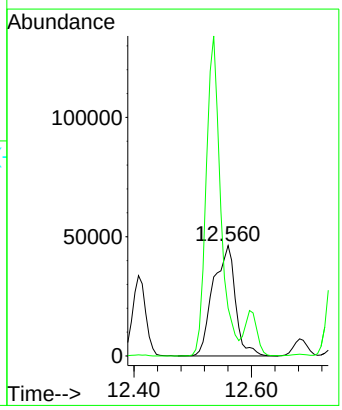


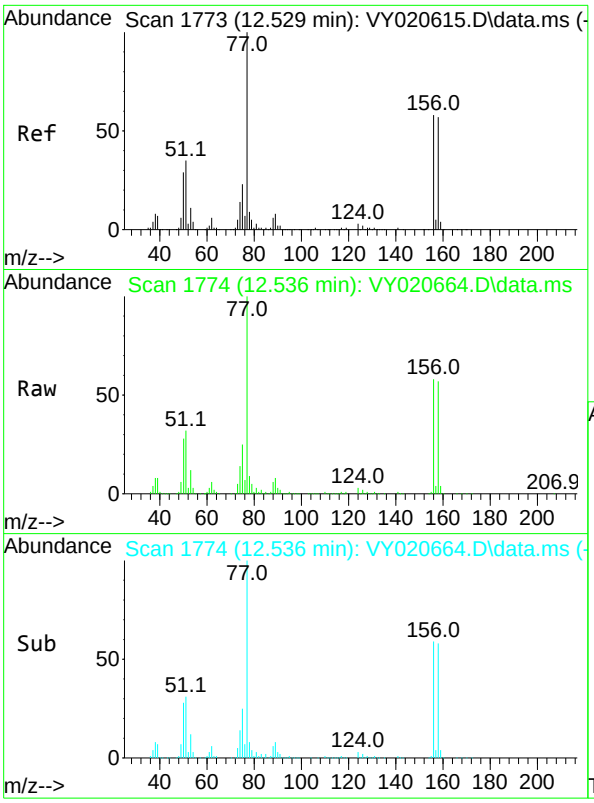


#76
1,2,3-Trichloropropane
Concen: 98.083 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 75 Resp: 121614

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



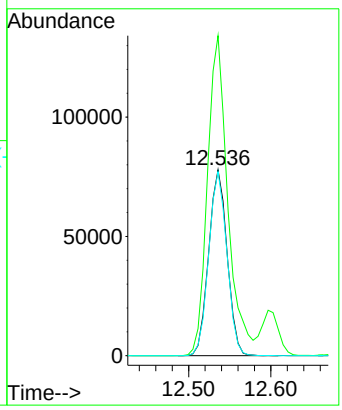


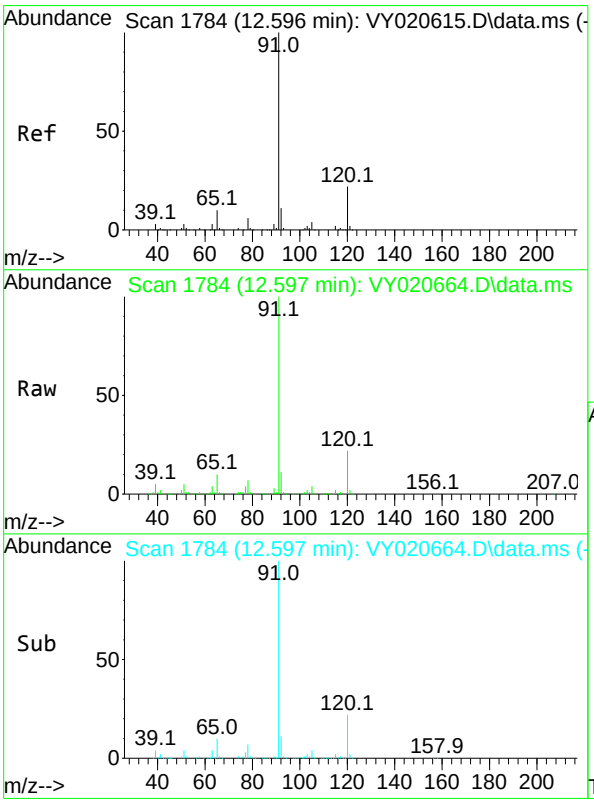
#77
Bromobenzene
Concen: 53.559 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 121520

Ion	Ratio	Lower	Upper
156	100		
77	189.5	94.2	282.4
158	97.6	48.9	146.6

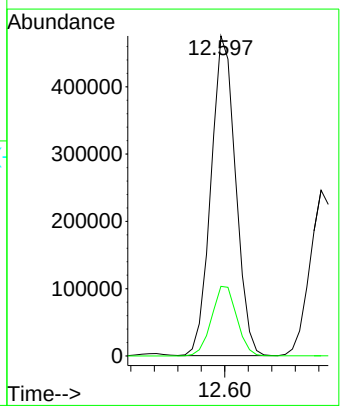


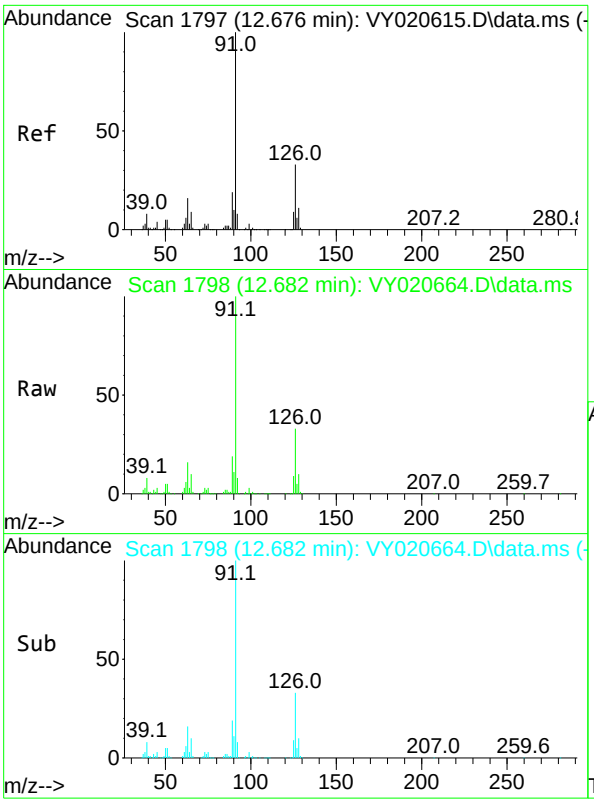


#78
n-propylbenzene
Concen: 55.107 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 91 Resp: 691545

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1



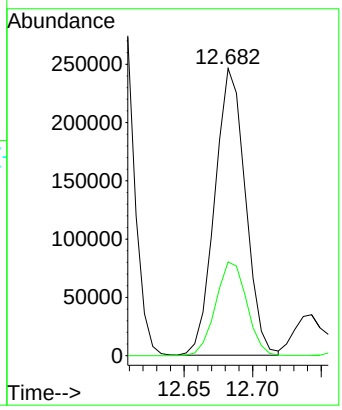


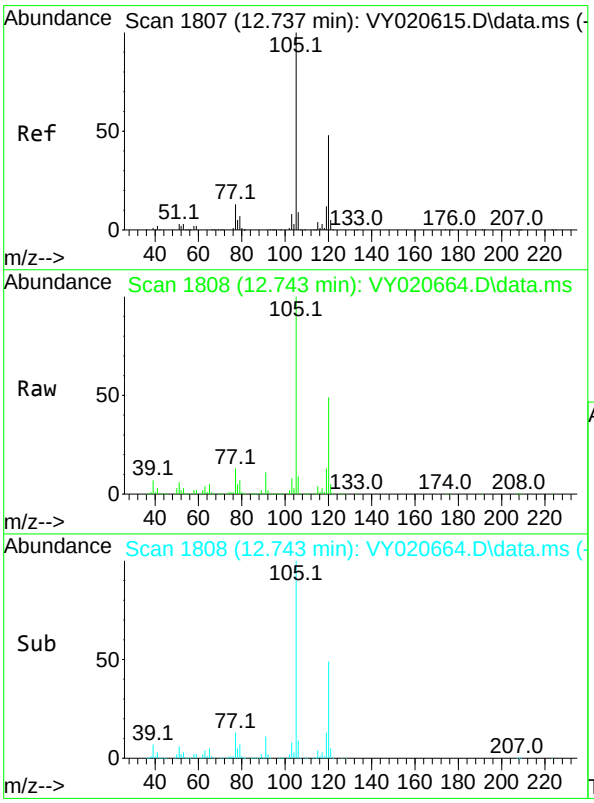
#79
2-Chlorotoluene
Concen: 54.188 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 382585

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.6	49.7

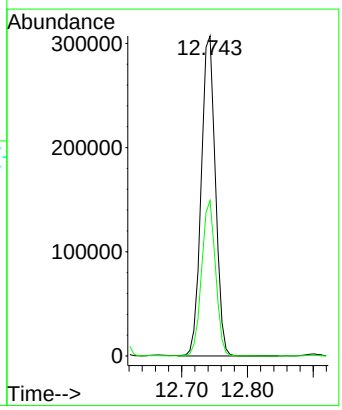


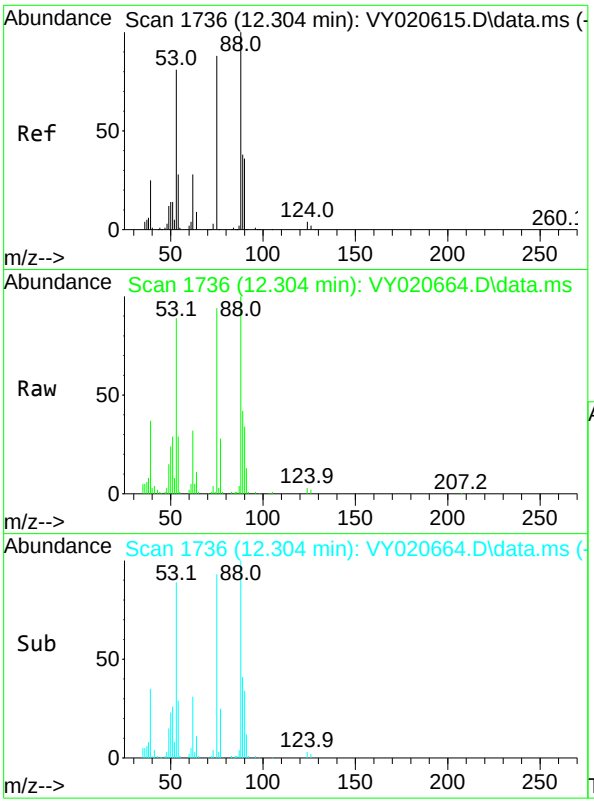


#80
1,3,5-Trimethylbenzene
Concen: 54.473 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:105 Resp: 460381

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.9	71.7



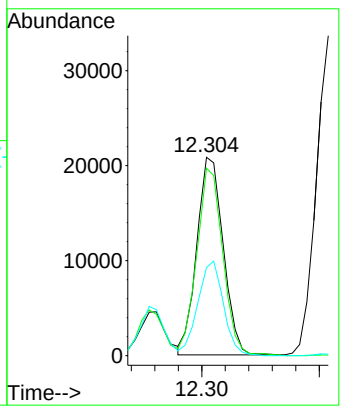


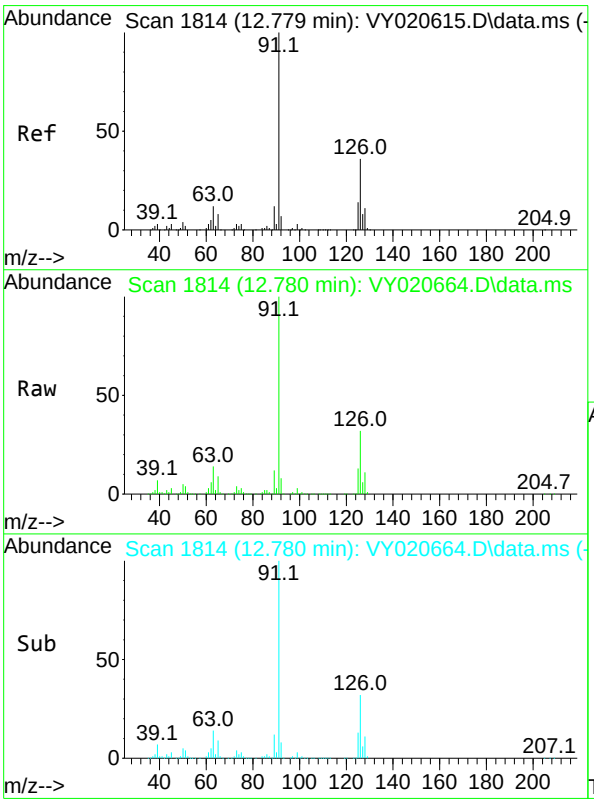
#81
trans-1,4-Dichloro-2-butene
Concen: 54.979 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 32476

Ion	Ratio	Lower	Upper
75	100		
53	93.7	75.4	113.2
89	46.5	37.0	55.4

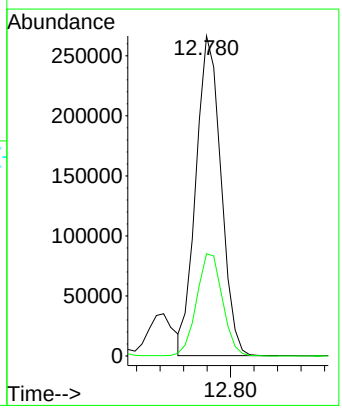


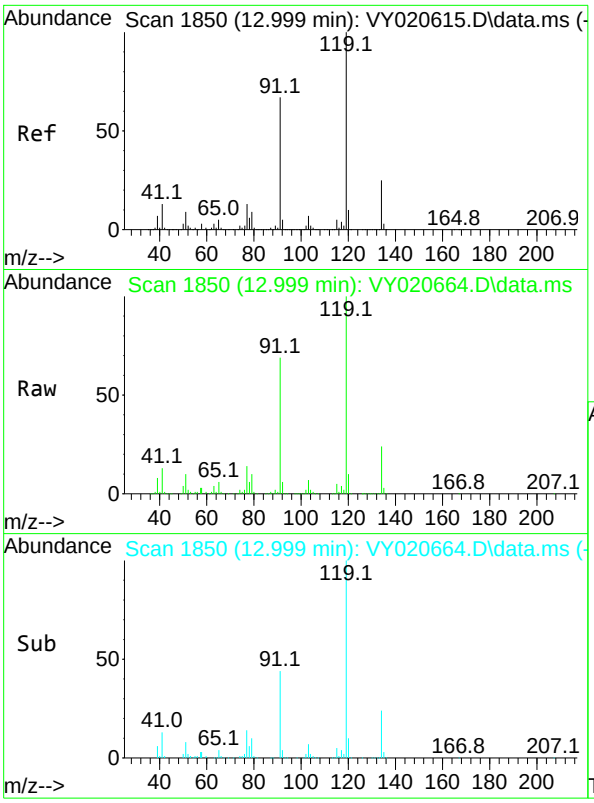


#82
4-Chlorotoluene
Concen: 53.864 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 91 Resp: 394546

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.6	49.7



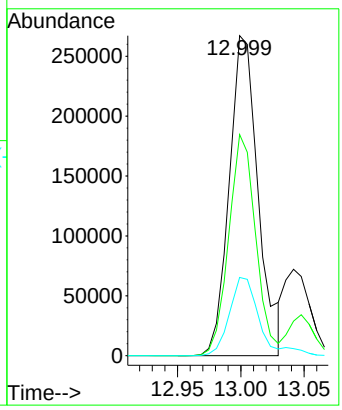


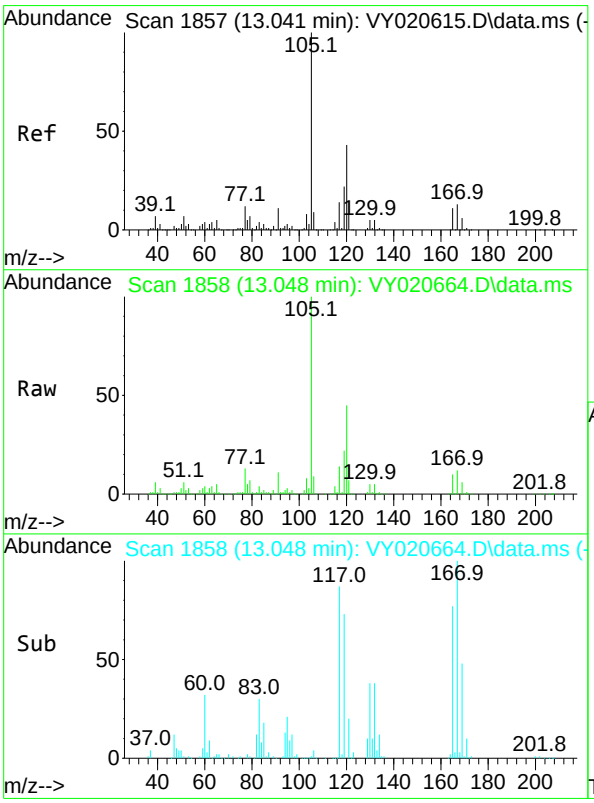
#83
tert-Butylbenzene
Concen: 55.644 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 425908

Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.9	98.6
134	25.5	13.1	39.1

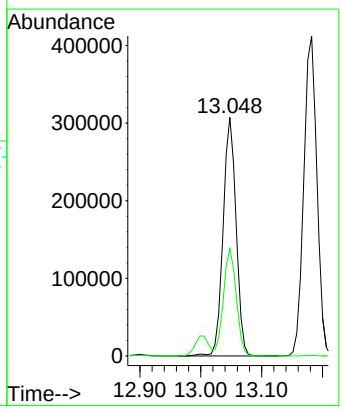


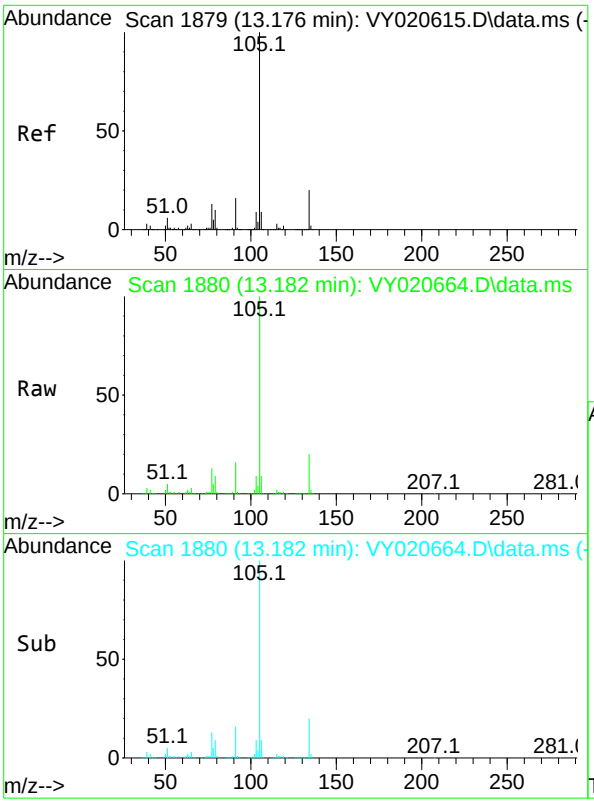


#84
1,2,4-Trimethylbenzene
Concen: 54.789 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:105 Resp: 454208

Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.8	65.4



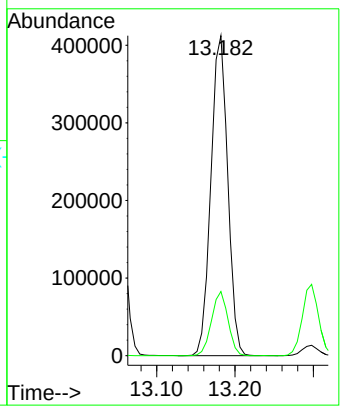


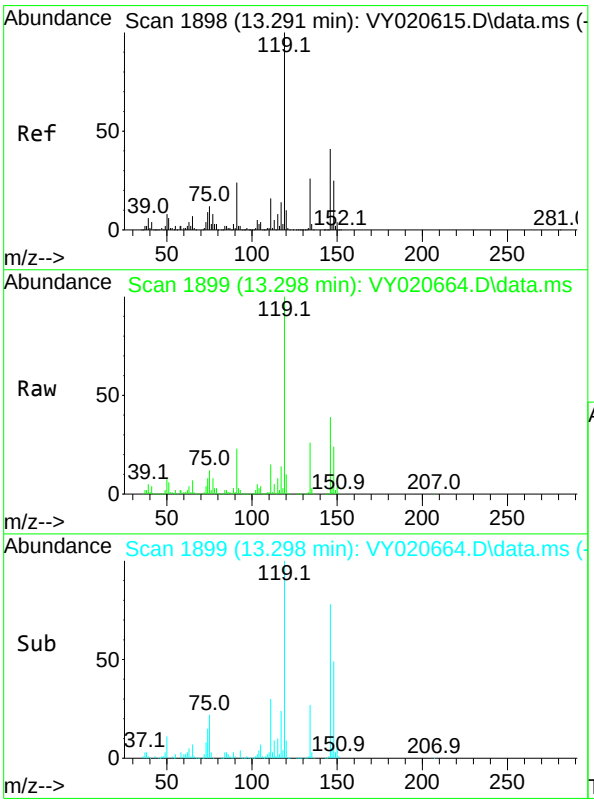
#85
sec-Butylbenzene
Concen: 55.289 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 615306

Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.0	30.0

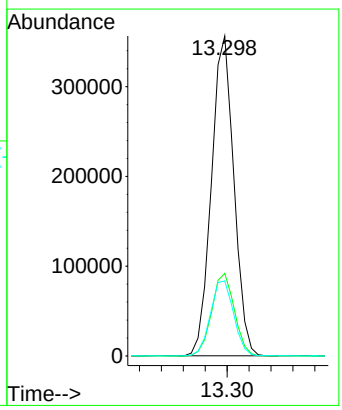


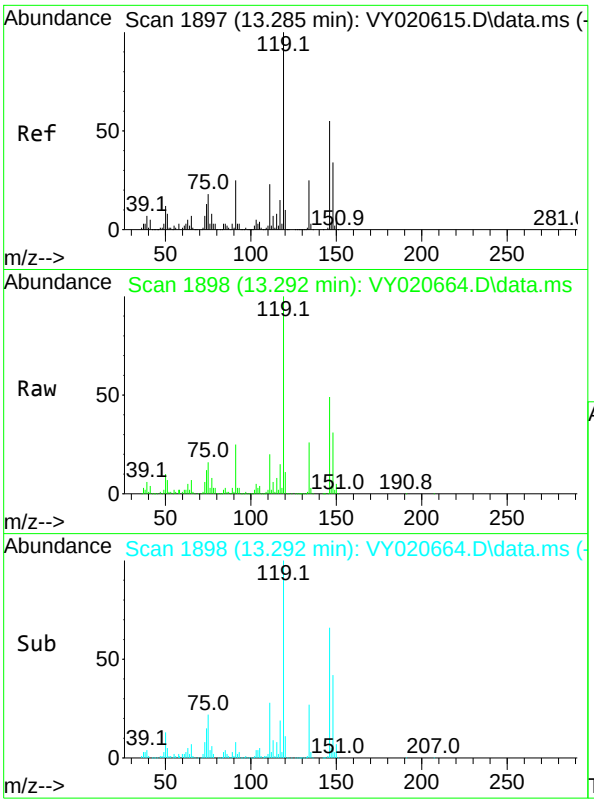


#86
p-Isopropyltoluene
Concen: 55.299 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:119 Resp: 507405

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.9	38.6
91	24.5	12.1	36.3



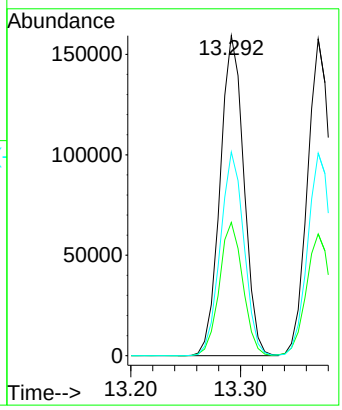


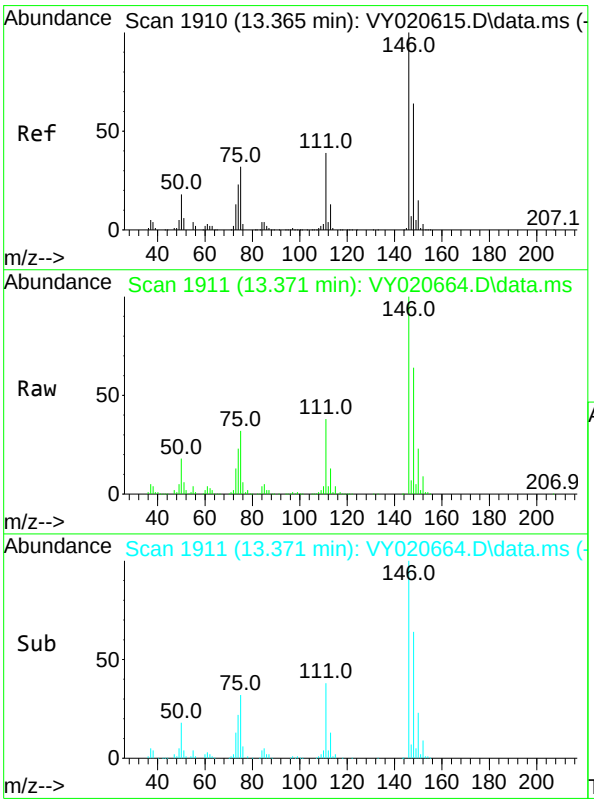
#87
1,3-Dichlorobenzene
Concen: 53.623 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 240167

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.6	61.8
148	63.3	31.4	94.0

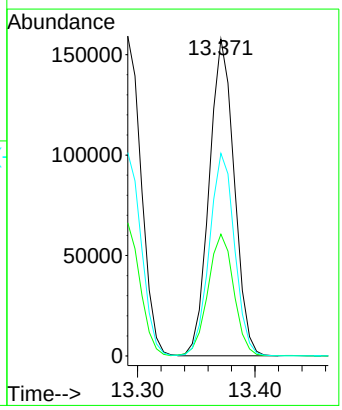


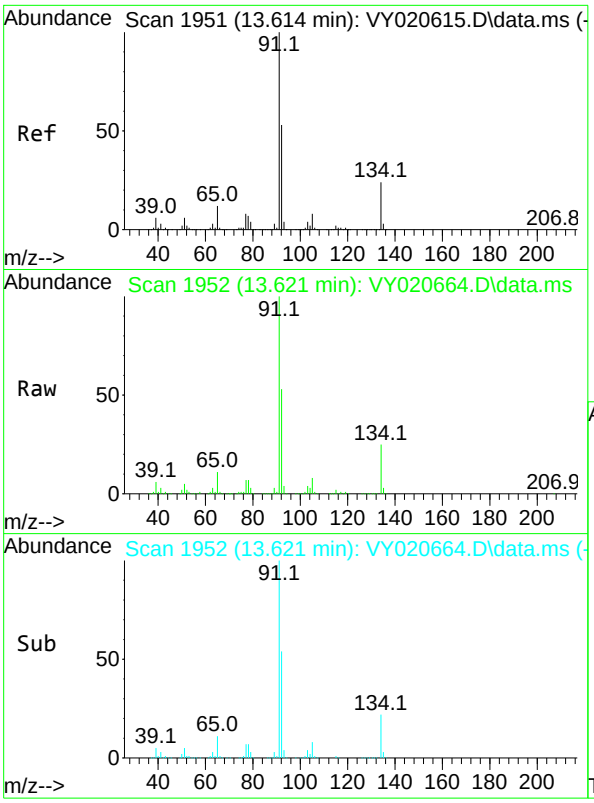


#88
1,4-Dichlorobenzene
Concen: 52.643 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:146 Resp: 233518

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.6	58.7
148	64.3	31.9	95.5



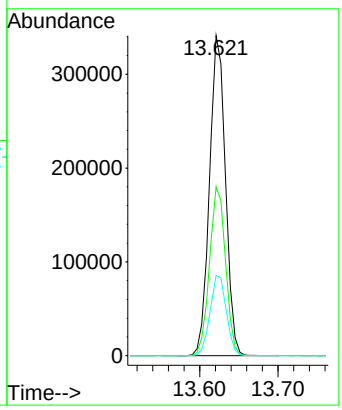


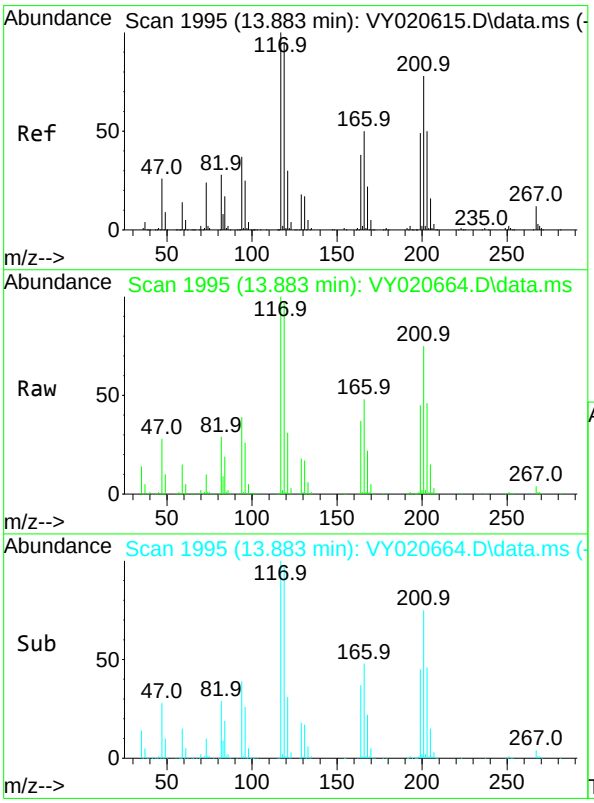
#89
n-Butylbenzene
Concen: 55.471 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 482377

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.8	80.4
134	25.6	12.5	37.5

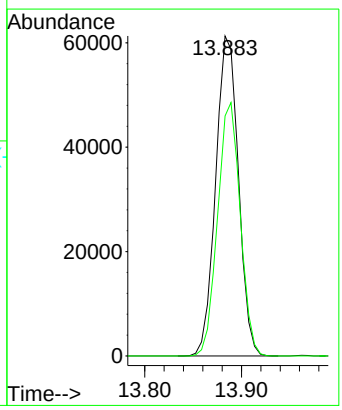


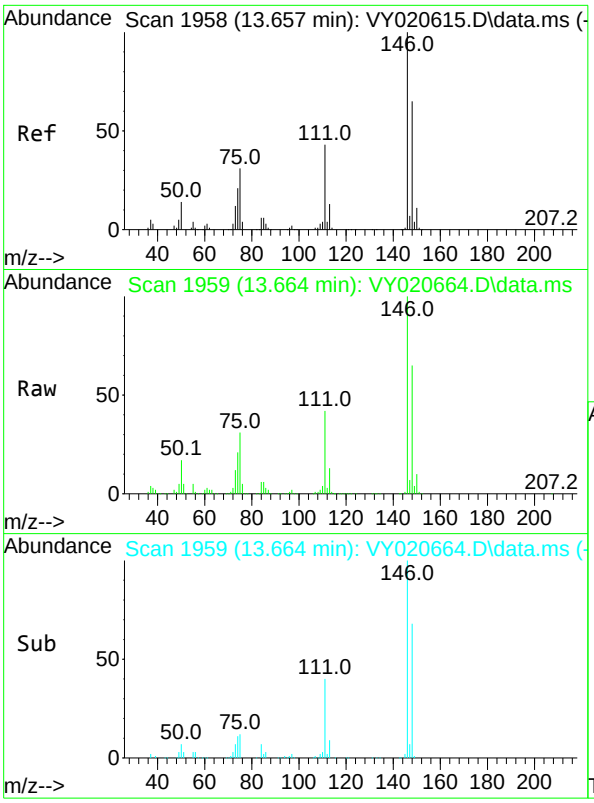


#90
Hexachloroethane
Concen: 54.904 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:117 Resp: 99835

Ion	Ratio	Lower	Upper
117	100		
201	78.8	39.1	117.3



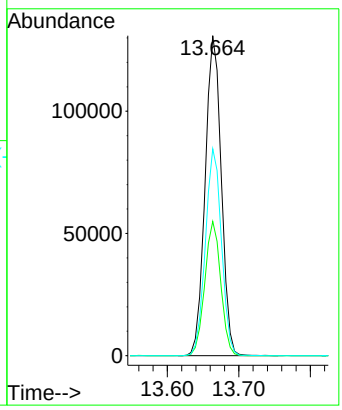


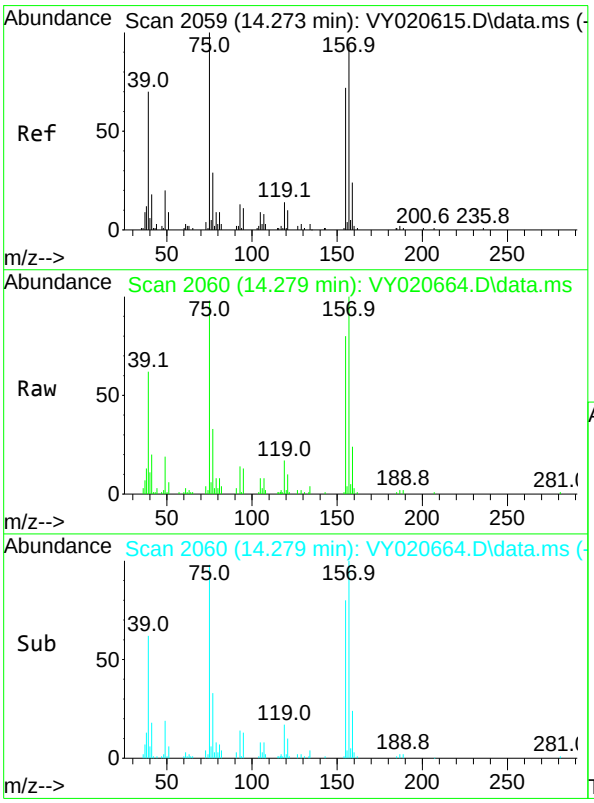
#91
1,2-Dichlorobenzene
Concen: 52.844 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 205065

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.3	63.7
148	64.4	32.0	96.0

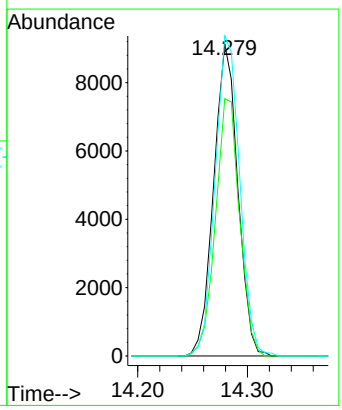


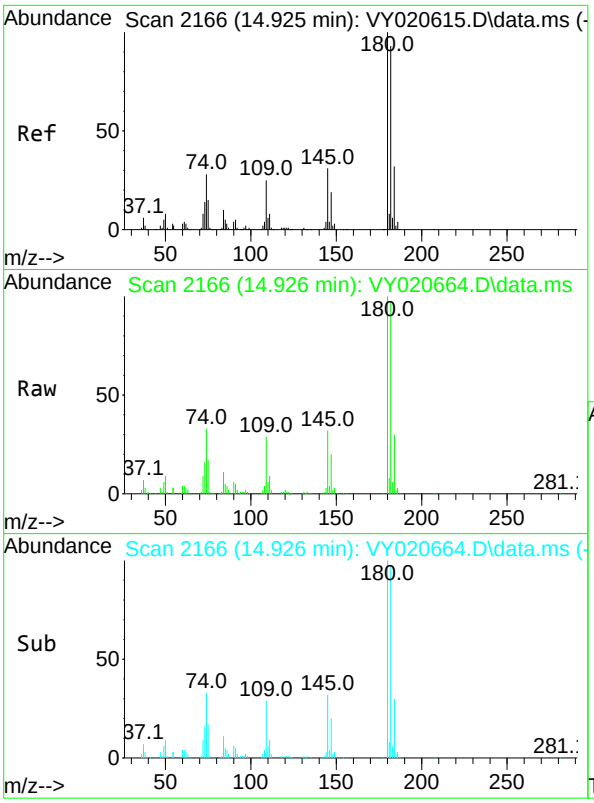


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.926 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion: 75 Resp: 13979

Ion	Ratio	Lower	Upper
75	100		
155	82.4	41.1	123.3
157	104.5	52.9	158.8



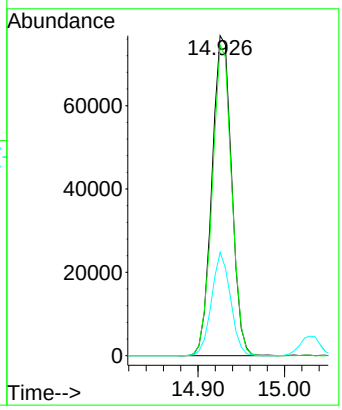


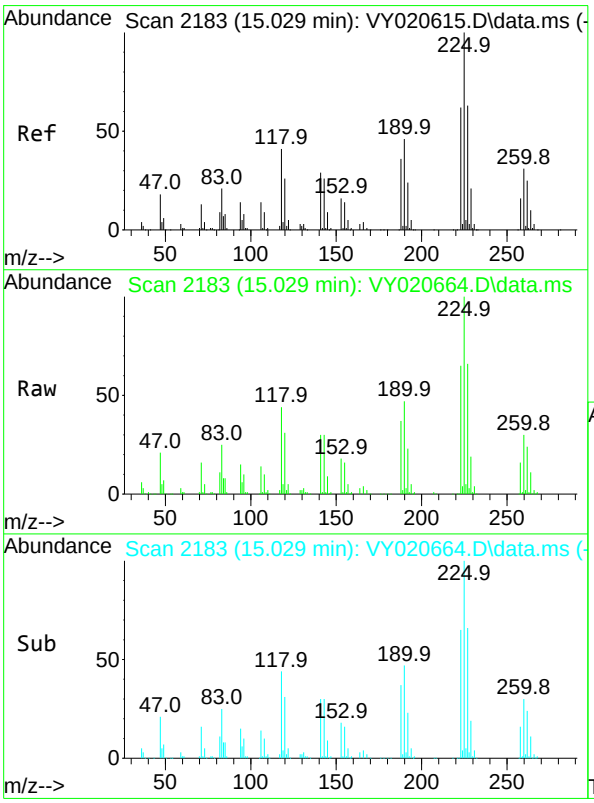
#93
1,2,4-Trichlorobenzene
Concen: 51.603 ug/l
RT: 14.926 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 121126

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.6
145	31.0	15.6	46.7

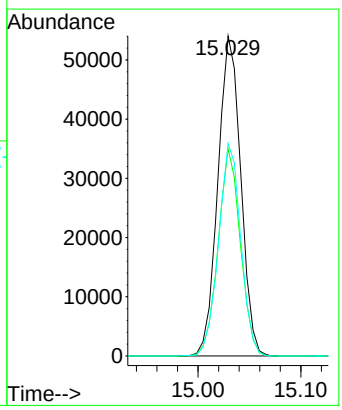


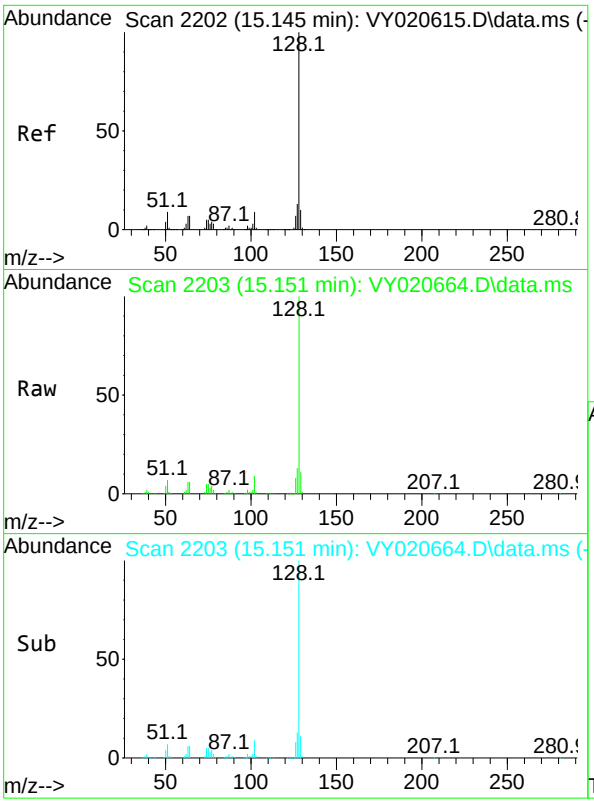


#94
Hexachlorobutadiene
Concen: 54.285 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:225 Resp: 83298

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.8	95.3
227	64.6	32.2	96.6



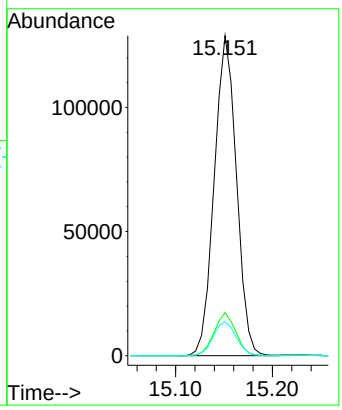


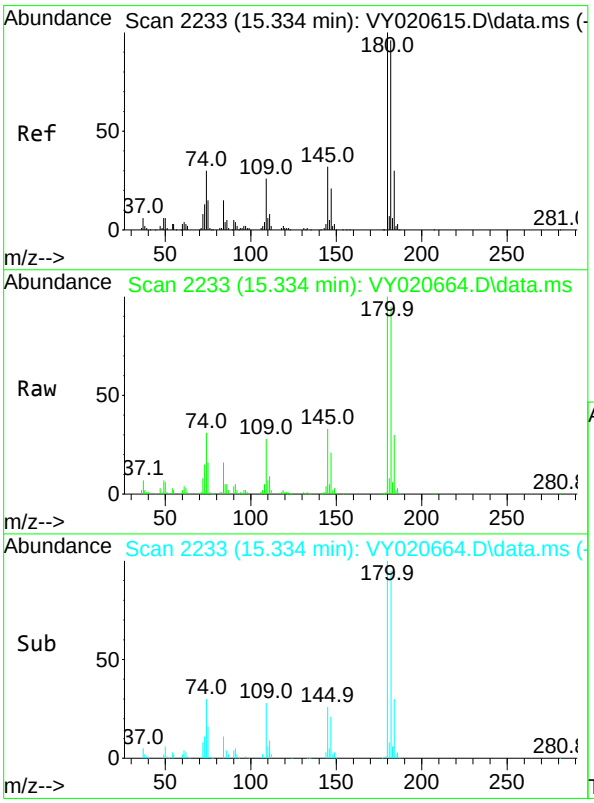
#95
Naphthalene
Concen: 50.926 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 204937

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	10.9	8.5	12.7

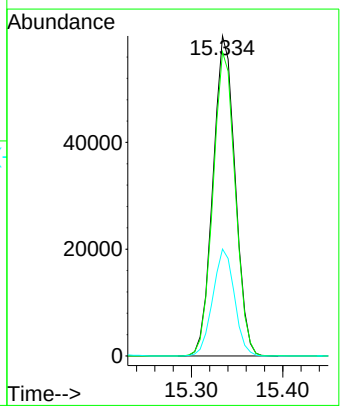




#96
1,2,3-Trichlorobenzene
Concen: 50.866 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY020664.D
Acq: 20 Dec 2024 09:09

Tgt Ion:180 Resp: 100879

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.9
145	32.7	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020666.D
Acq On : 20 Dec 2024 13:12
Operator : SY/MD
Sample : VY1220SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Quant Time: Dec 20 18:08:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.713	168	157442	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.615	114	237485	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	207752	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	116933	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	74322	43.102	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 86.200%				
35) Dibromofluoromethane	7.634	113	77189	46.118	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.240%				
50) Toluene-d8	10.109	98	273250	46.643	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.280%				
62) 4-Bromofluorobenzene	12.407	95	101336	44.220	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 88.440%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	46496	23.644	ug/l		99
3) Chloromethane	2.074	50	24398	16.744	ug/l		97
4) Vinyl Chloride	2.208	62	21407	15.785	ug/l		97
5) Bromomethane	2.598	94	12985	14.895	ug/l		97
6) Chloroethane	2.732	64	11282	13.462	ug/l		91
7) Trichlorofluoromethane	3.062	101	47245	16.649	ug/l		98
8) Diethyl Ether	3.458	74	13504	13.569	ug/l		95
9) 1,1,2-Trichlorotrifluo...	3.824	101	32580	16.018	ug/l		94
10) Methyl Iodide	4.007	142	38530	17.014	ug/l		98
11) Tert butyl alcohol	4.854	59	18773	80.656	ug/l	#	94
12) 1,1-Dichloroethene	3.793	96	31773	16.099	ug/l		94
13) Acrolein	3.659	56	5627	69.014	ug/l		97
14) Allyl chloride	4.385	41	56459	16.326	ug/l		96
15) Acrylonitrile	5.061	53	46605	97.887	ug/l		99
16) Acetone	3.872	43	23242	63.034	ug/l		99
17) Carbon Disulfide	4.110	76	111849	17.411	ug/l		99
18) Methyl Acetate	4.385	43	17854	15.218	ug/l		97
19) Methyl tert-butyl Ether	5.122	73	101223	19.872	ug/l		97
20) Methylene Chloride	4.616	84	38027	17.737	ug/l		98
21) trans-1,2-Dichloroethene	5.116	96	47558	21.482	ug/l		97
22) Diisopropyl ether	6.018	45	147396	20.998	ug/l		94
23) Vinyl Acetate	5.963	43	401517	100.993	ug/l		99
24) 1,1-Dichloroethane	5.915	63	87971	21.392	ug/l		99
25) 2-Butanone	6.896	43	58734	91.655	ug/l		98
26) 2,2-Dichloropropane	6.884	77	82041	21.104	ug/l		99
27) cis-1,2-Dichloroethene	6.896	96	53177	20.878	ug/l		99
28) Bromochloromethane	7.250	49	23622	17.030	ug/l		100
29) Tetrahydrofuran	7.268	42	38523	95.228	ug/l		99
30) Chloroform	7.427	83	92559	19.148	ug/l		97
31) Cyclohexane	7.701	56	83030	21.116	ug/l		98
32) 1,1,1-Trichloroethane	7.622	97	81959	21.694	ug/l		99
36) 1,1-Dichloropropene	7.835	75	67060	21.973	ug/l	#	91
37) Ethyl Acetate	6.988	43	26953	18.775	ug/l		97
38) Carbon Tetrachloride	7.823	117	75634	22.399	ug/l		99
39) Methylcyclohexane	9.109	83	87624	22.028	ug/l		98
40) Benzene	8.079	78	197331	22.058	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020666.D
Acq On : 20 Dec 2024 13:12
Operator : SY/MD
Sample : VY1220SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Quant Time: Dec 20 18:08:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	14883	19.610	ug/l		93
42) 1,2-Dichloroethane	8.158	62	49803	20.991	ug/l		100
43) Isopropyl Acetate	8.201	43	54326	19.989	ug/l		99
44) Trichloroethene	8.865	130	48185	21.921	ug/l		95
45) 1,2-Dichloropropane	9.140	63	45779	21.896	ug/l		99
46) Dibromomethane	9.231	93	23641	21.396	ug/l		96
47) Bromodichloromethane	9.426	83	63960	21.429	ug/l		99
48) Methyl methacrylate	9.219	41	25905	20.050	ug/l		99
49) 1,4-Dioxane	9.225	88	4698	370.747	ug/l	#	93
51) 4-Methyl-2-Pentanone	9.999	43	135892	94.726	ug/l		99
52) Toluene	10.170	92	122615	22.055	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	89982	32.354	ug/l		94
54) cis-1,3-Dichloropropene	9.859	75	70570	21.413	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	30195	20.669	ug/l		98
56) Ethyl methacrylate	10.438	69	42515	20.060	ug/l		99
57) 1,3-Dichloropropane	10.713	76	66722	25.621	ug/l	#	42
58) 2-Chloroethyl Vinyl ether	9.713	63	91434	102.533	ug/l	#	71
59) 2-Hexanone	10.761	43	90691	98.464	ug/l		97
60) Dibromochloromethane	10.914	129	41185	21.080	ug/l		100
61) 1,2-Dibromoethane	11.017	107	28561	21.018	ug/l		99
64) Tetrachloroethene	10.646	164	42833	21.919	ug/l		92
65) Chlorobenzene	11.444	112	129331	22.264	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	43055	21.675	ug/l		97
67) Ethyl Benzene	11.517	91	238433	22.248	ug/l		98
68) m/p-Xylenes	11.627	106	178050	44.684	ug/l	#	30
69) o-Xylene	11.956	106	82478	22.185	ug/l		99
70) Styrene	11.969	104	136494	21.974	ug/l		99
71) Bromoform	12.133	173	23329	20.889	ug/l	#	98
73) Isopropylbenzene	12.255	105	221703	21.727	ug/l		99
74) N-amyl acetate	12.072	43	47848	20.036	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	34416	20.778	ug/l		97
76) 1,2,3-Trichloropropane	12.560	75	45694	37.617	ug/l	#	100
77) Bromobenzene	12.536	156	47306	21.282	ug/l		98
78) n-propylbenzene	12.596	91	270238	21.981	ug/l		99
79) 2-Chlorotoluene	12.682	91	150281	21.727	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	180725	21.827	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	11746	20.297	ug/l		99
82) 4-Chlorotoluene	12.779	91	156322	21.784	ug/l		99
83) tert-Butylbenzene	12.999	119	156978	20.934	ug/l		97
84) 1,2,4-Trimethylbenzene	13.048	105	199323	24.542	ug/l		95
85) sec-Butylbenzene	13.176	105	237258	21.761	ug/l		100
86) p-Isopropyltoluene	13.291	119	198272	22.057	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	94820	21.610	ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	94077	21.648	ug/l		98
89) n-Butylbenzene	13.621	91	189919	22.293	ug/l		100
90) Hexachloroethane	13.883	117	38301	21.500	ug/l		99
91) 1,2-Dichlorobenzene	13.663	146	81571	21.456	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	9414	35.007	ug/l		57
93) 1,2,4-Trichlorobenzene	14.925	180	49266	21.424	ug/l		98
94) Hexachlorobutadiene	15.029	225	32852	21.854	ug/l		99
95) Naphthalene	15.151	128	80228	20.350	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	41397	21.307	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020666.D
Acq On : 20 Dec 2024 13:12
Operator : SY/MD
Sample : VY1220SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Quant Time: Dec 20 18:08:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

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

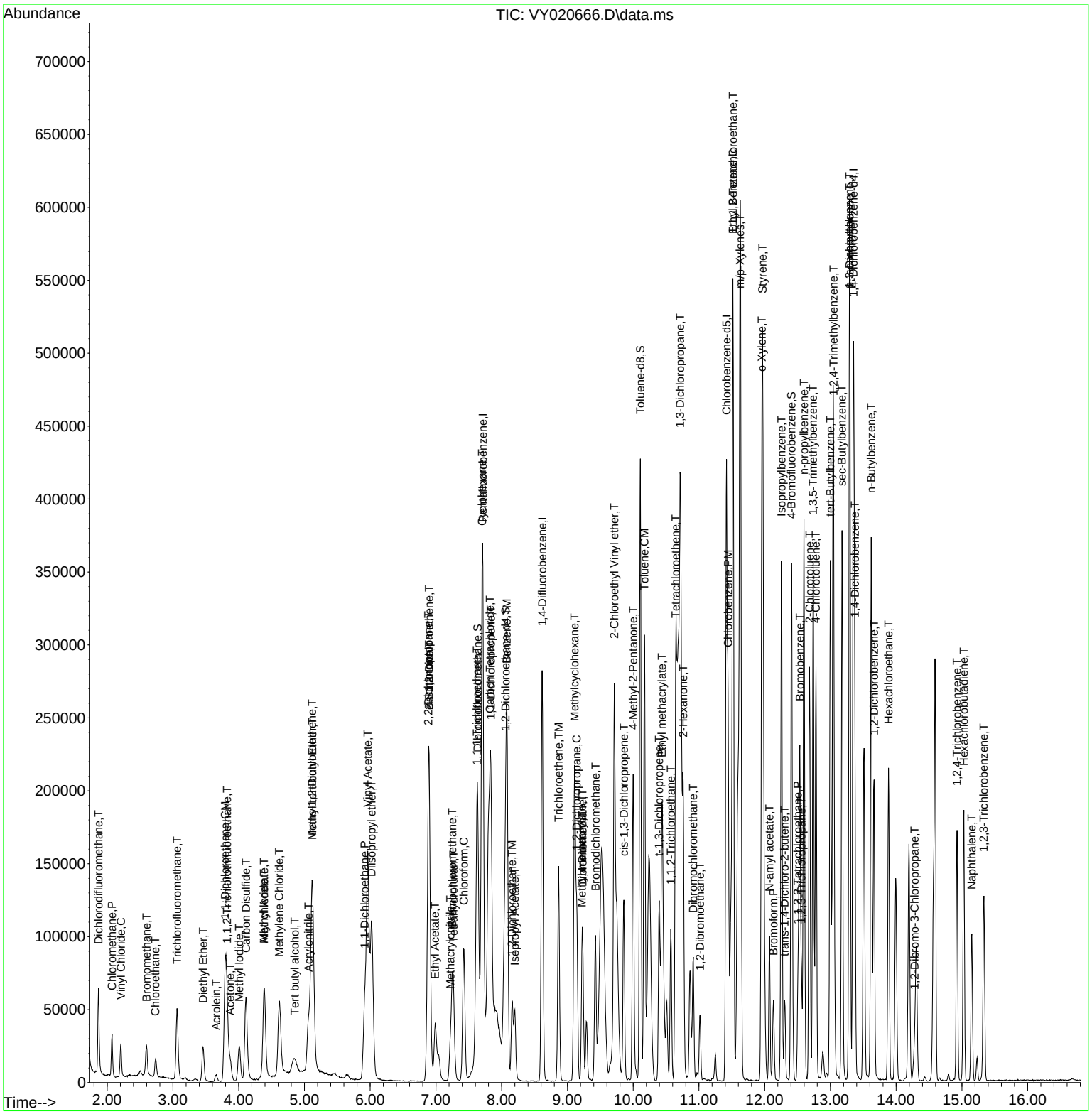
(#) = qualifier out of range (m) = manual integration (+) = signals summed

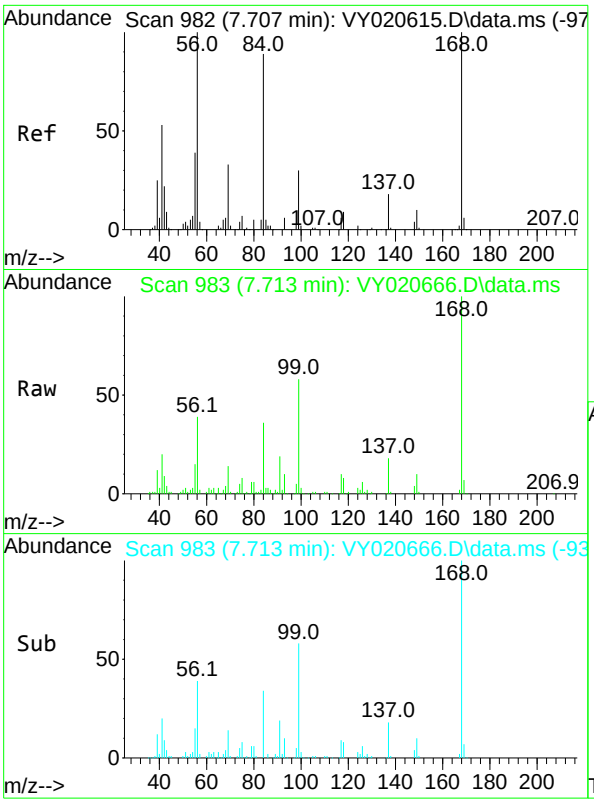
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020666.D
Acq On : 20 Dec 2024 13:12
Operator : SY/MD
Sample : VY1220SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Quant Time: Dec 20 18:08:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration



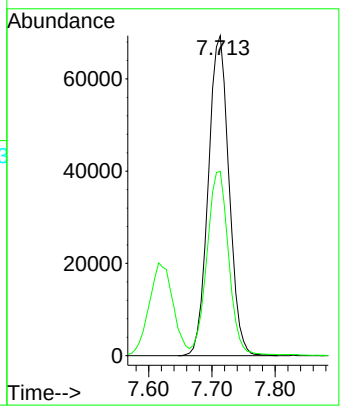


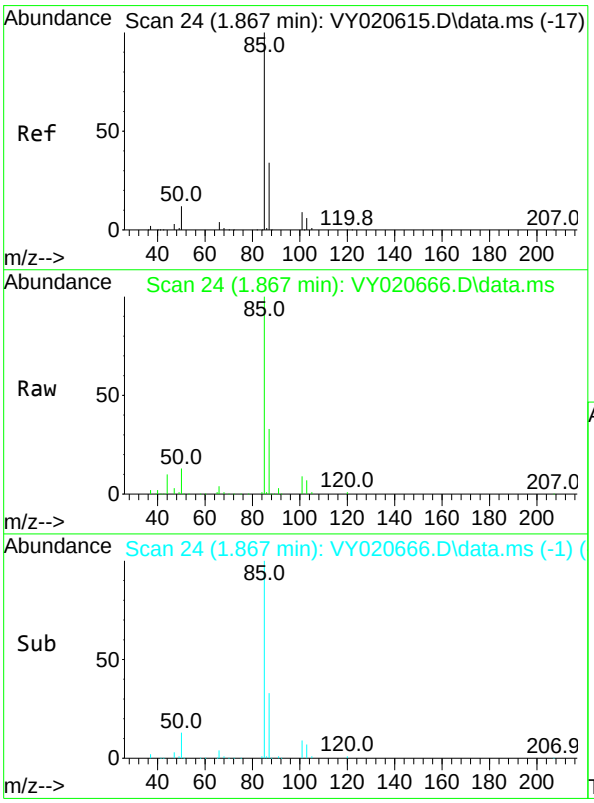
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion:168 Resp: 157442

Ion	Ratio	Lower	Upper
168	100		
99	57.3	47.0	70.6

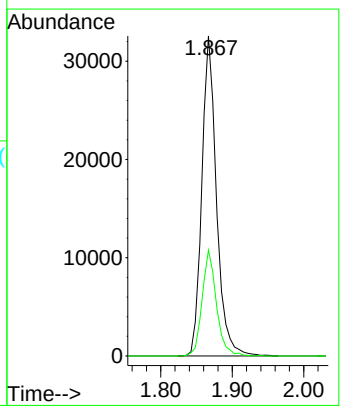


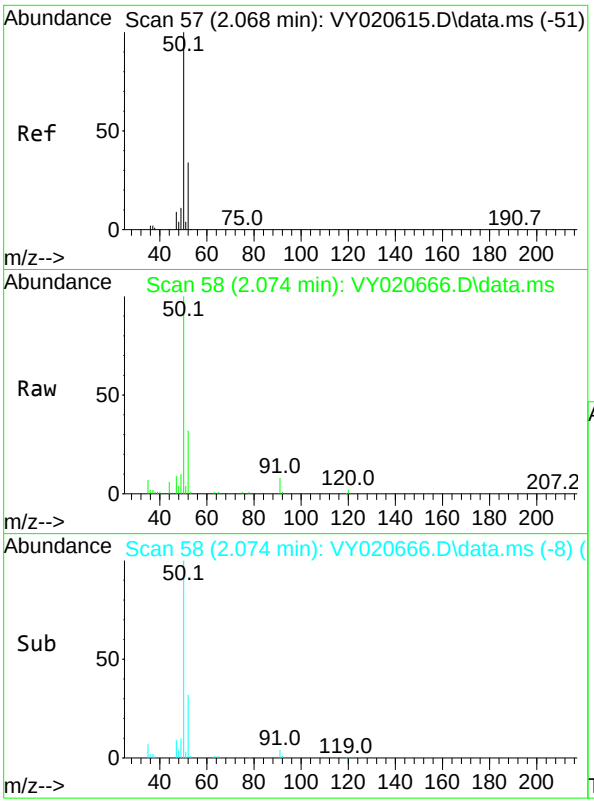


#2
Dichlorodifluoromethane
Concen: 23.644 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 85 Resp: 46496

Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.8	50.3



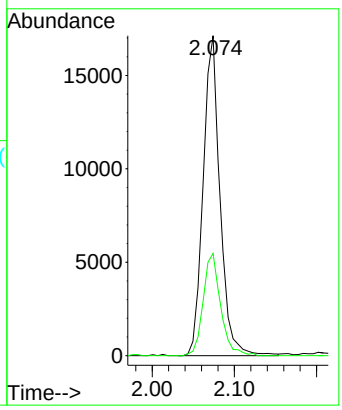


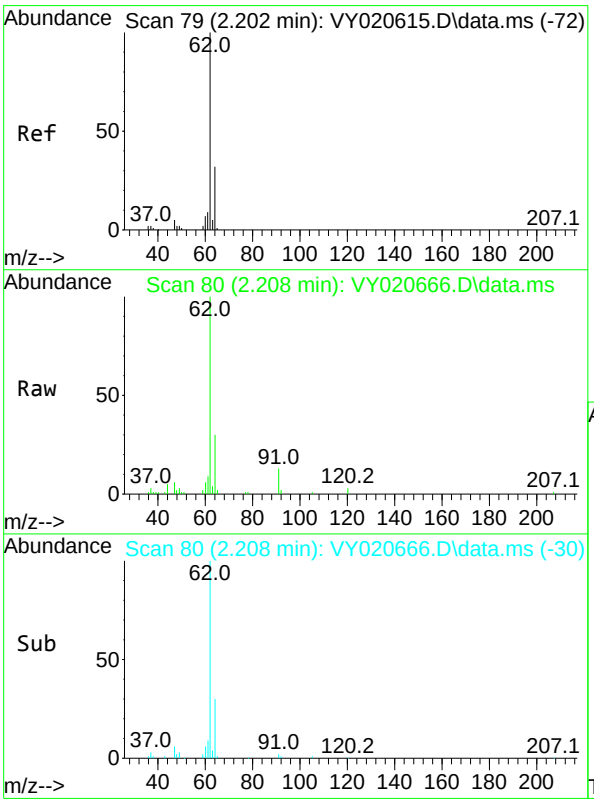
#3
Chloromethane
Concen: 16.744 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 50 Resp: 24398

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.8	40.2

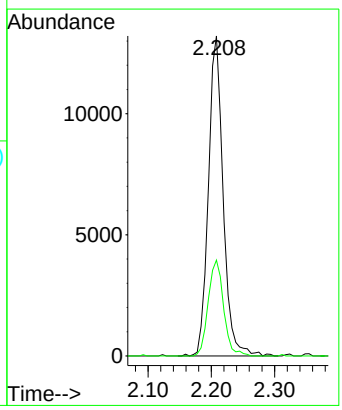


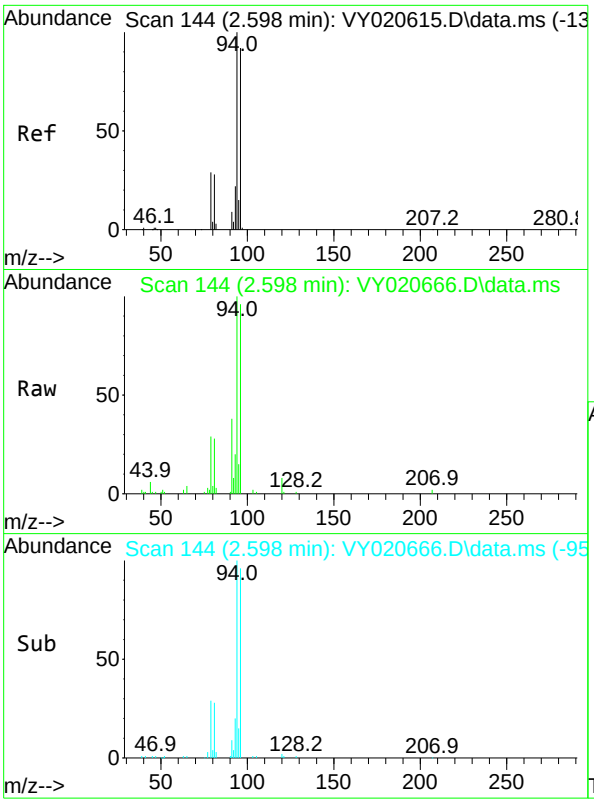


#4
Vinyl Chloride
Concen: 15.785 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 62 Resp: 21407

Ion	Ratio	Lower	Upper
62	100		
64	29.9	25.3	37.9



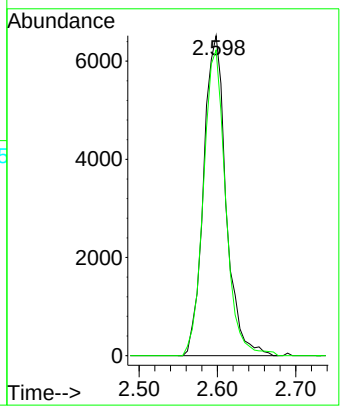


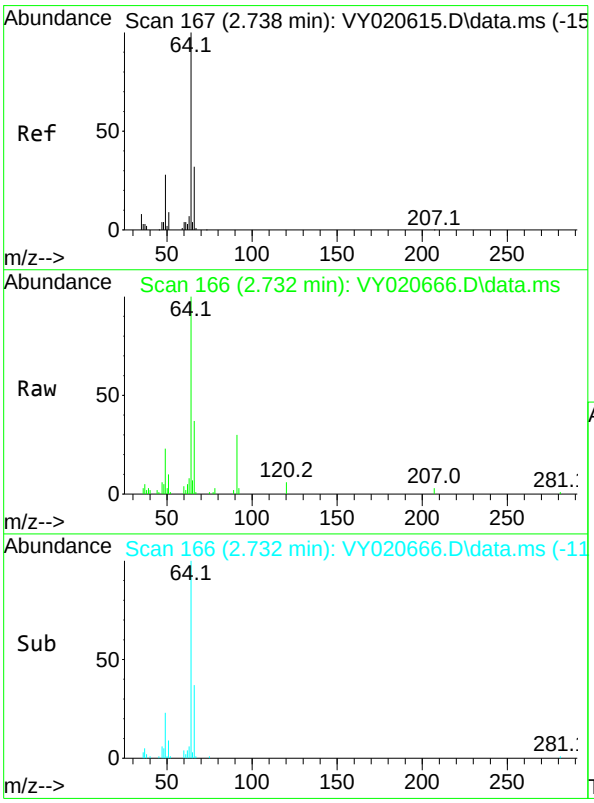
#5
Bromomethane
Concen: 14.895 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 94 Resp: 12985

Ion	Ratio	Lower	Upper
94	100		
96	95.5	73.8	110.6

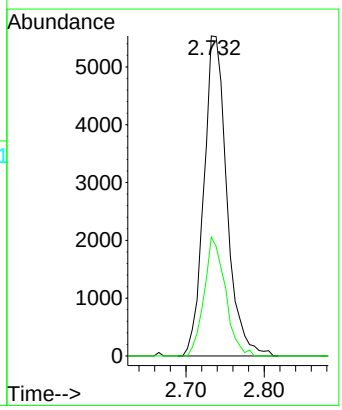


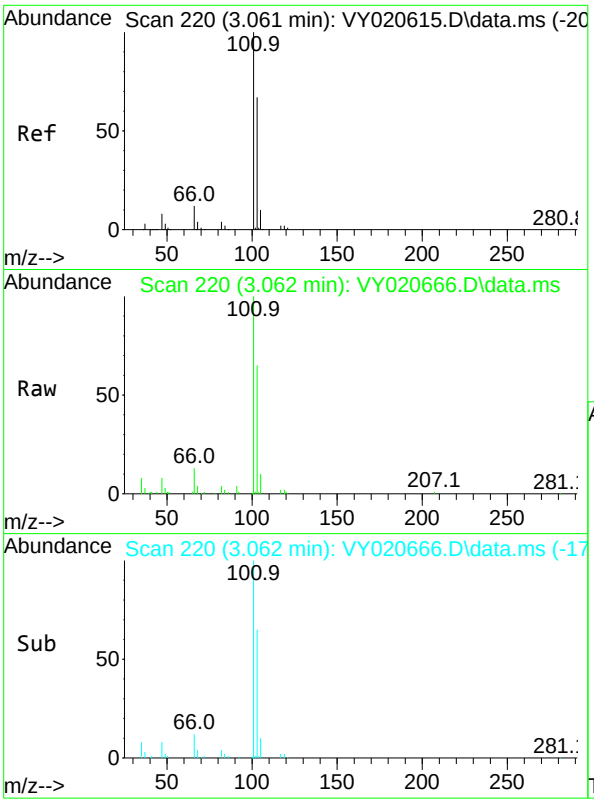


#6
Chloroethane
Concen: 13.462 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 64 Resp: 11282

Ion	Ratio	Lower	Upper
64	100		
66	37.1	25.8	38.6



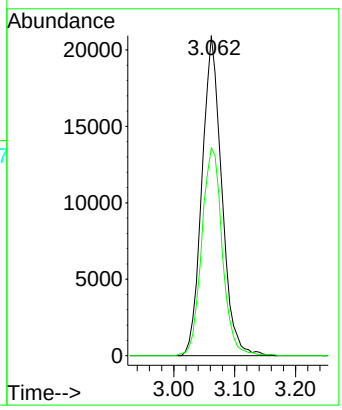


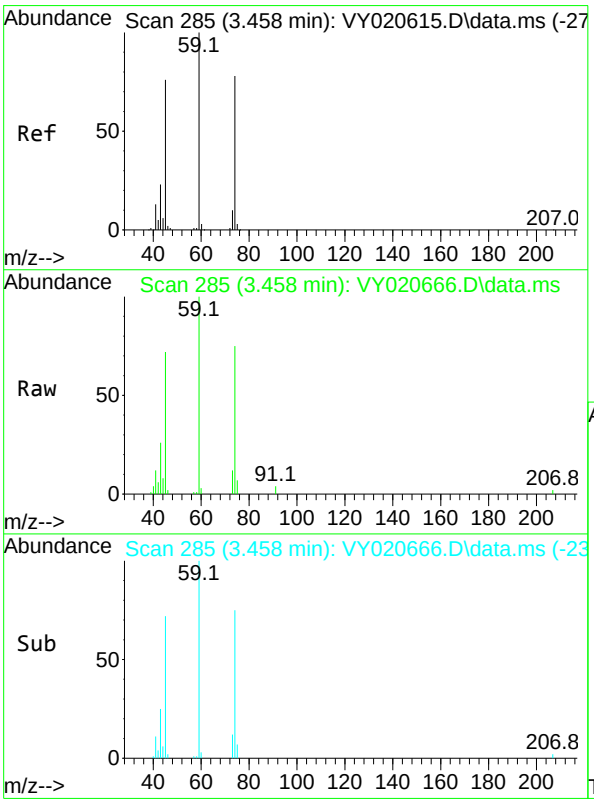
#7
Trichlorofluoromethane
Concen: 16.649 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion:101 Resp: 47245

Ion	Ratio	Lower	Upper
101	100		
103	64.9	53.4	80.0

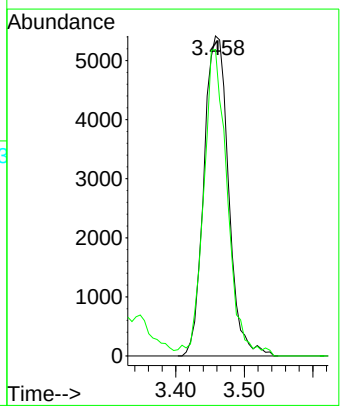


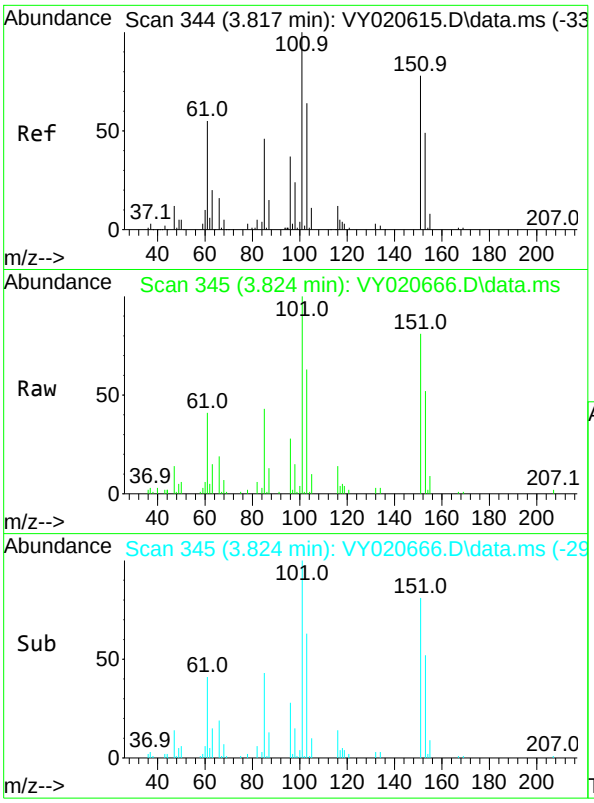


#8
Diethyl Ether
Concen: 13.569 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 74 Resp: 13504

Ion	Ratio	Lower	Upper
74	100		
45	92.8	49.0	147.2



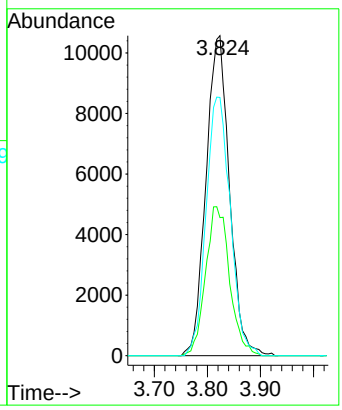


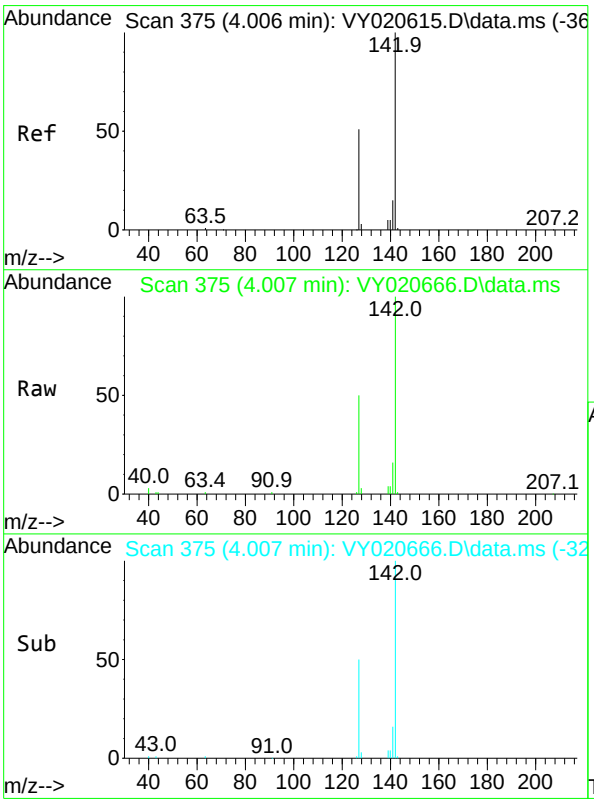
#9
1,1,2-Trichlorotrifluoroethane
Concen: 16.018 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion:101 Resp: 32580

Ion	Ratio	Lower	Upper
101	100		
85	47.6	36.6	54.8
151	83.2	61.5	92.3

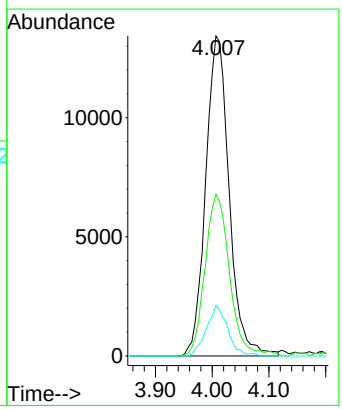


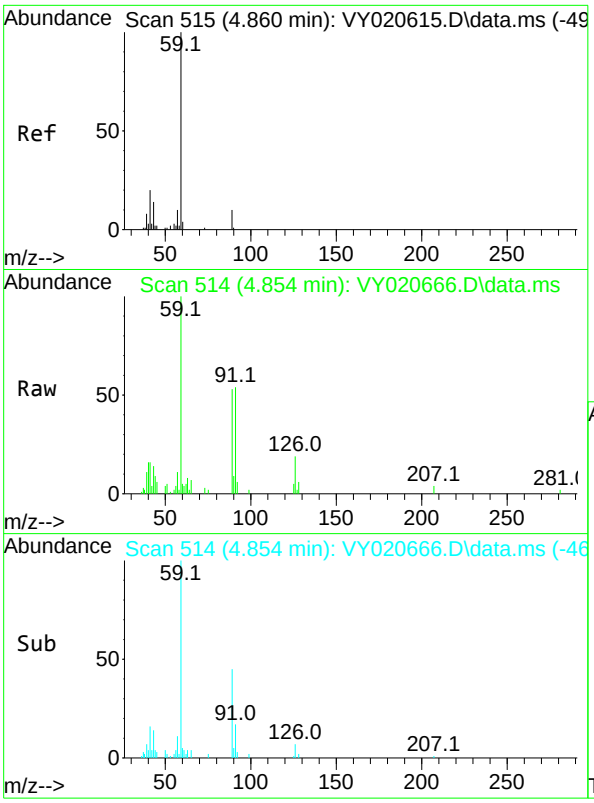


#10
Methyl Iodide
Concen: 17.014 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.001 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:142 Resp: 38530

Ion	Ratio	Lower	Upper
142	100		
127	52.2	40.6	61.0
141	14.4	11.7	17.5



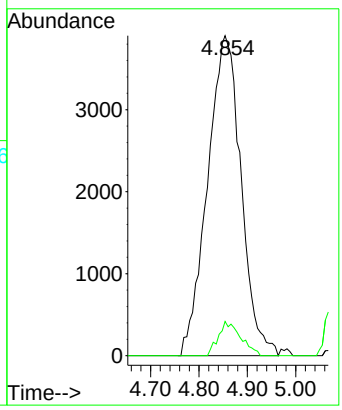


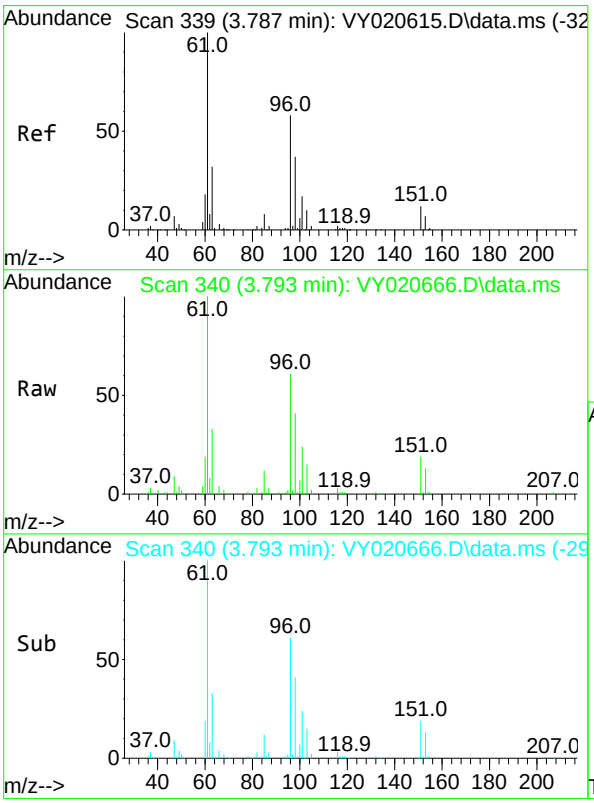
#11
Tert butyl alcohol
Concen: 80.656 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 59 Resp: 18773

Ion	Ratio	Lower	Upper
59	100		
57	7.1	7.4	11.0#

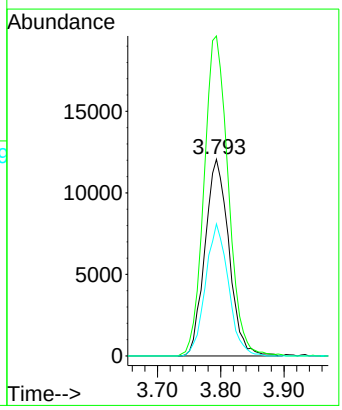


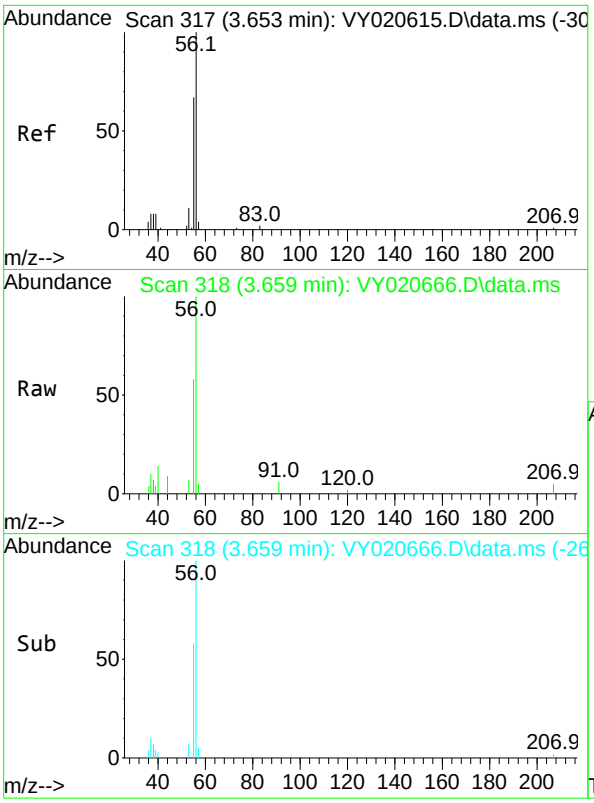


#12
1,1-Dichloroethene
Concen: 16.099 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 96 Resp: 31773

Ion	Ratio	Lower	Upper
96	100		
61	162.7	136.9	205.3
98	67.1	50.2	75.4



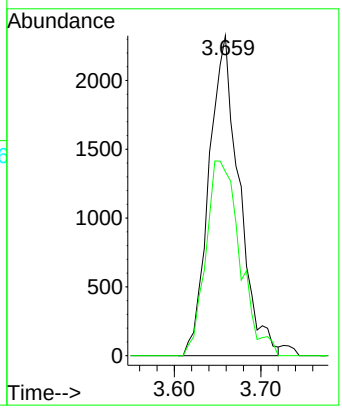


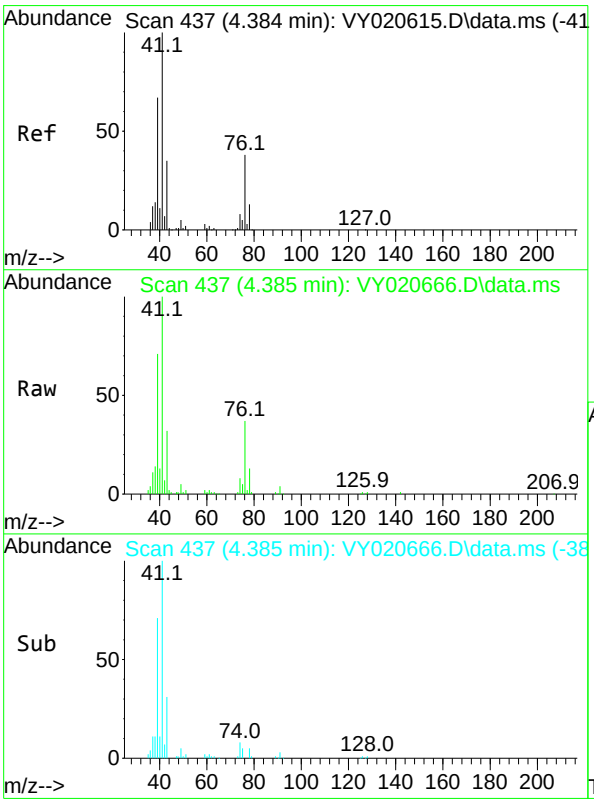
#13
Acrolein
Concen: 69.014 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 56 Resp: 5627

Ion	Ratio	Lower	Upper
56	100		
55	69.1	57.5	86.3

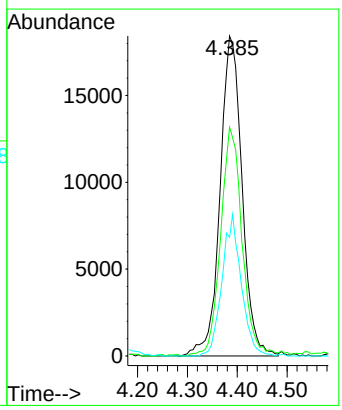


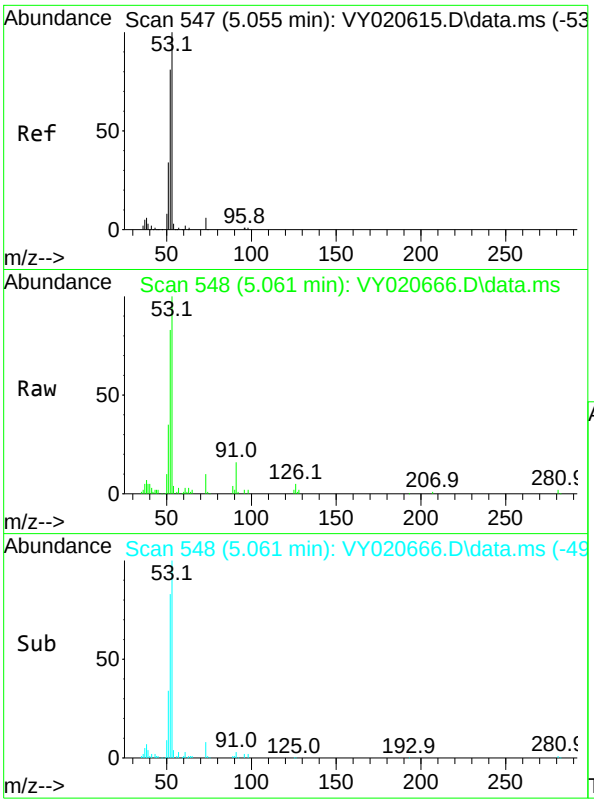


#14
Allyl chloride
Concen: 16.326 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 41 Resp: 56459

Ion	Ratio	Lower	Upper
41	100		
39	69.5	53.0	79.4
76	38.6	29.5	44.3



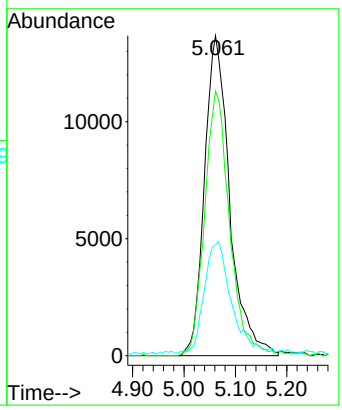


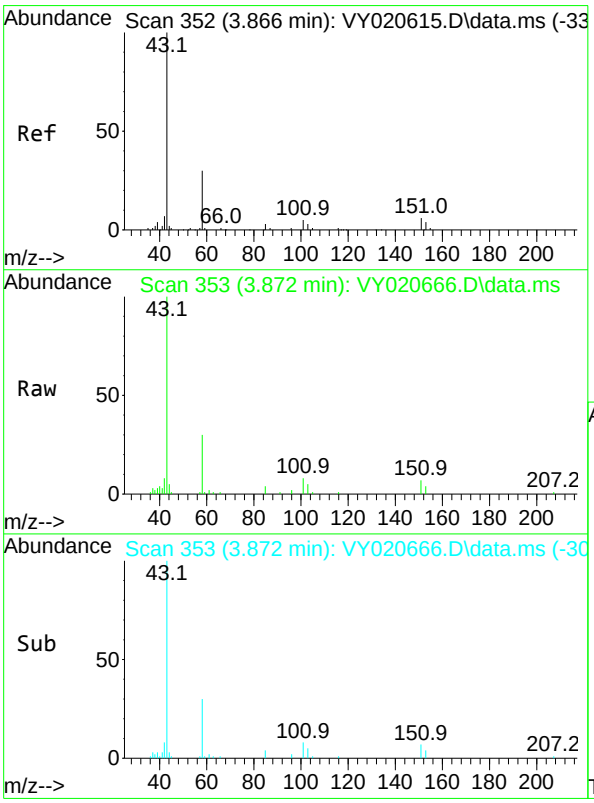
#15
Acrylonitrile
Concen: 97.887 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 53 Resp: 46605

Ion	Ratio	Lower	Upper
53	100		
52	81.6	64.5	96.7
51	37.2	29.4	44.0

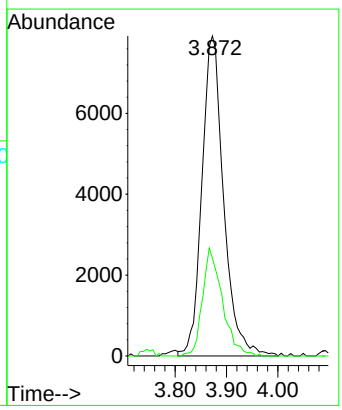


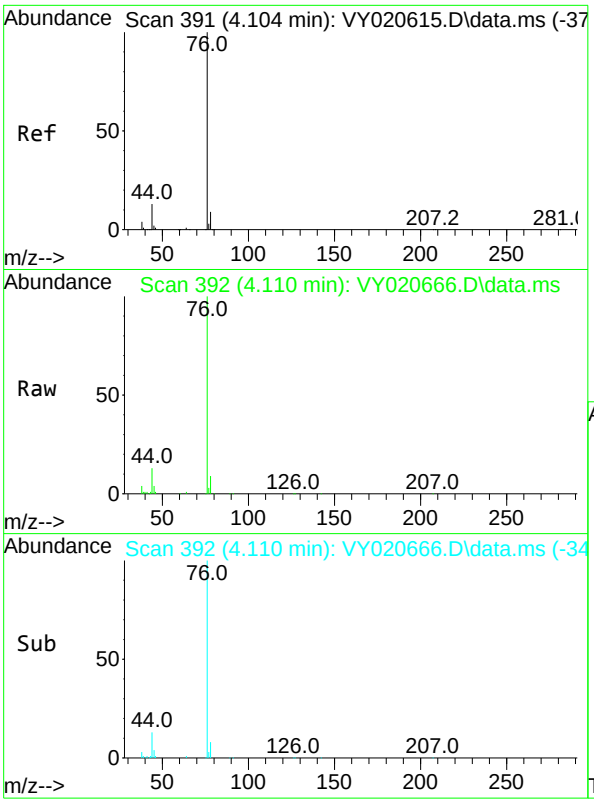


#16
Acetone
Concen: 63.034 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 43 Resp: 23242

Ion	Ratio	Lower	Upper
43	100		
58	30.5	25.0	37.6



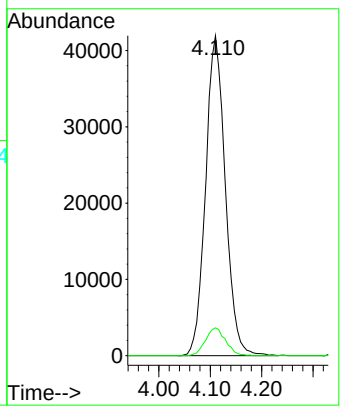


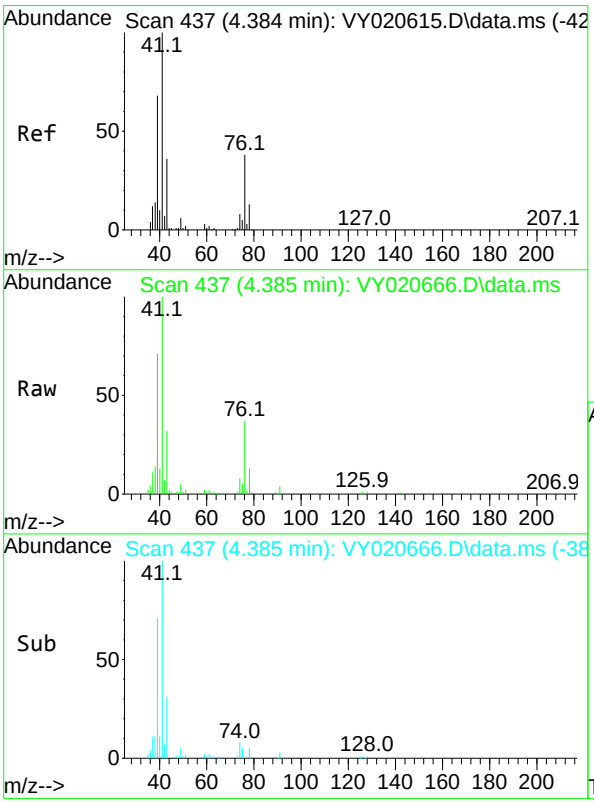
#17
Carbon Disulfide
Concen: 17.411 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 76 Resp: 111849

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.2	10.8

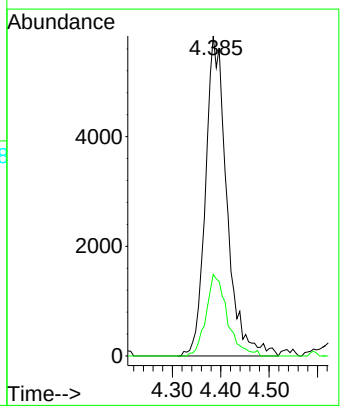


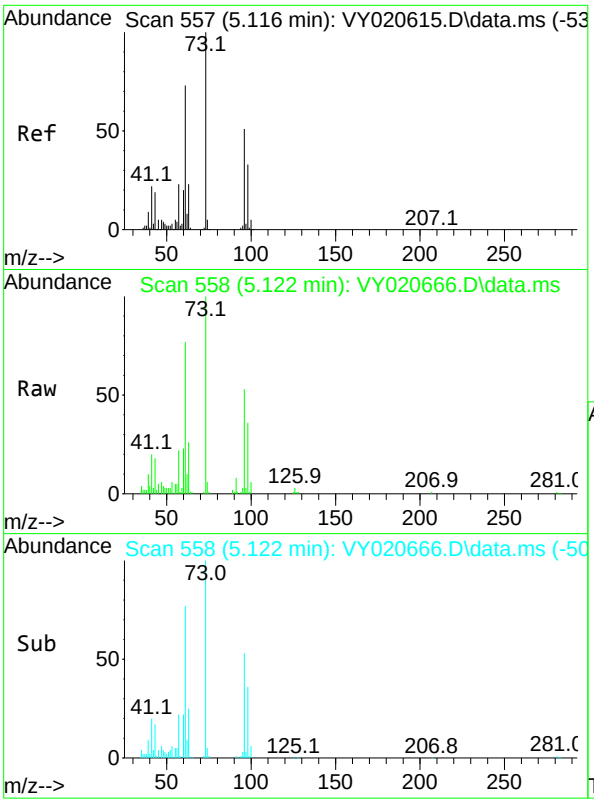


#18
Methyl Acetate
Concen: 15.218 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 43 Resp: 17854

Ion	Ratio	Lower	Upper
43	100		
74	25.3	19.2	28.8



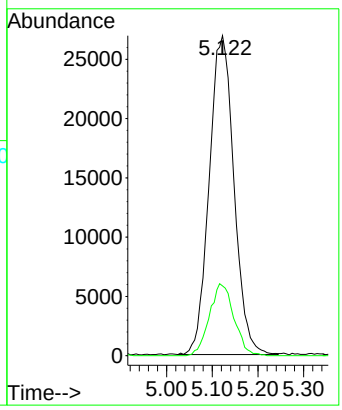


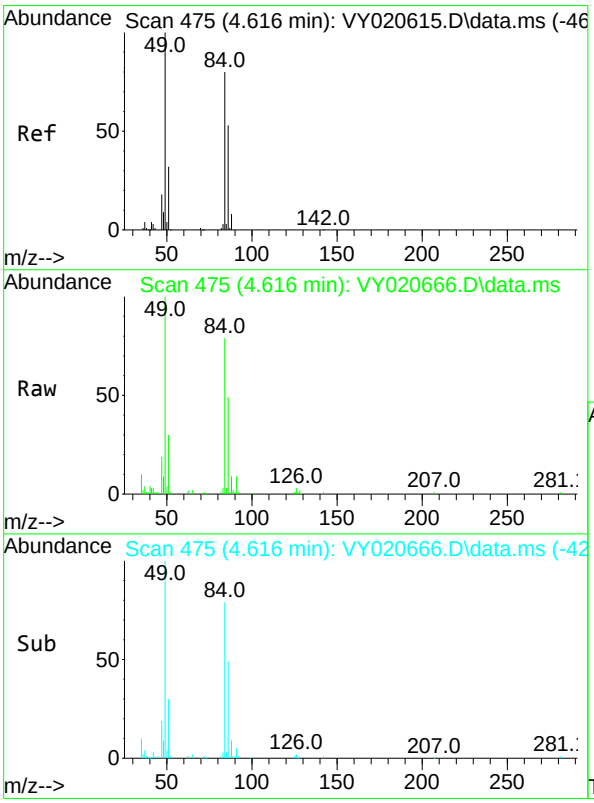
#19
Methyl tert-butyl Ether
Concen: 19.872 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 73 Resp: 101223

Ion	Ratio	Lower	Upper
73	100		
57	21.9	18.5	27.7

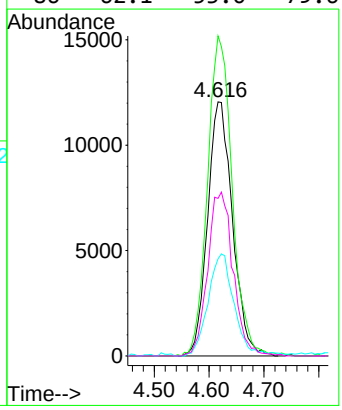


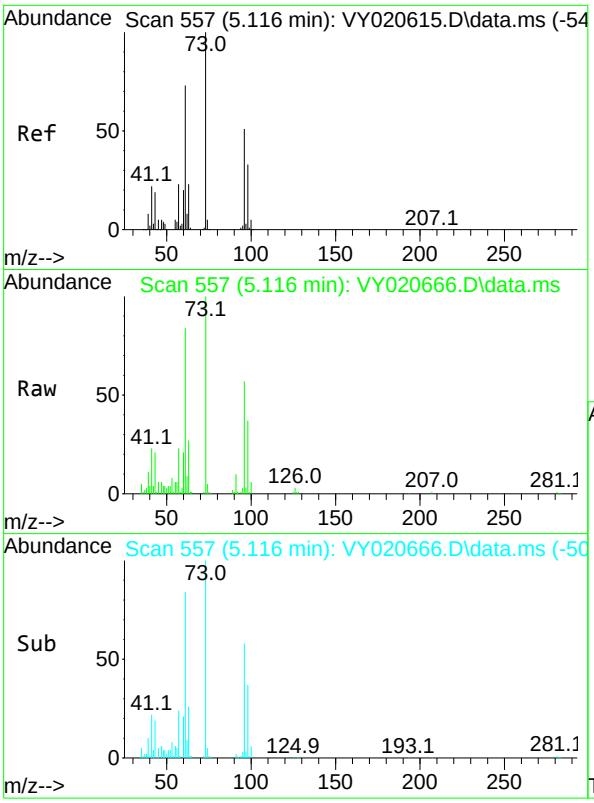


#20
Methylene Chloride
Concen: 17.737 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 84 Resp: 38027

Ion	Ratio	Lower	Upper
84	100		
49	125.5	100.7	151.1
51	38.2	32.2	48.2
86	62.1	53.0	79.6



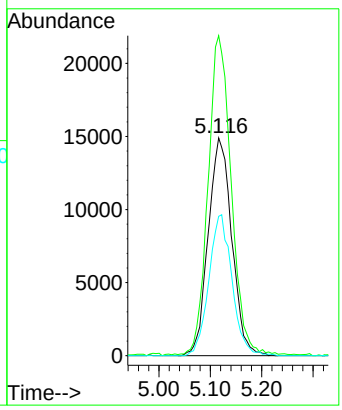


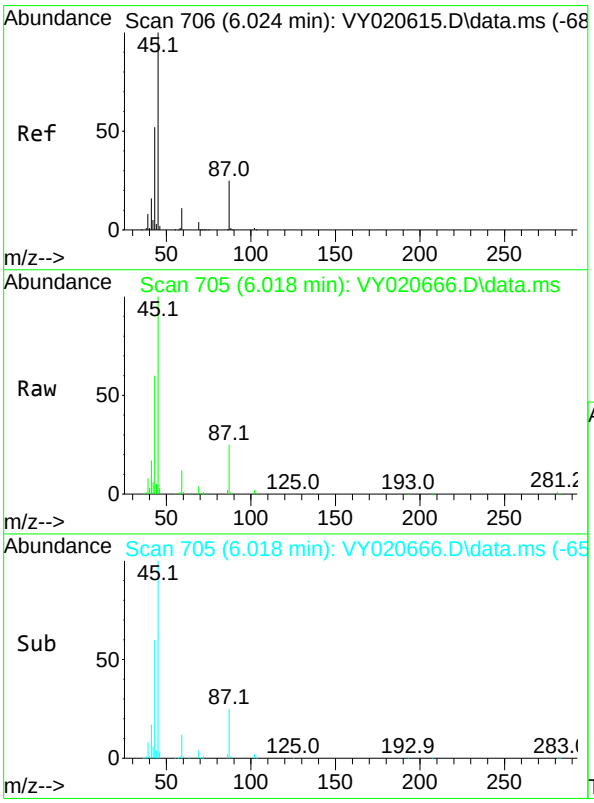
#21
trans-1,2-Dichloroethene
Concen: 21.482 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 96 Resp: 47558

Ion	Ratio	Lower	Upper
96	100		
61	146.4	113.7	170.5
98	64.0	51.7	77.5

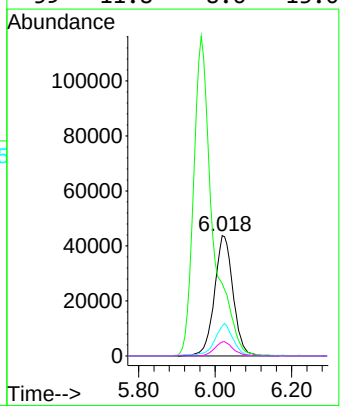


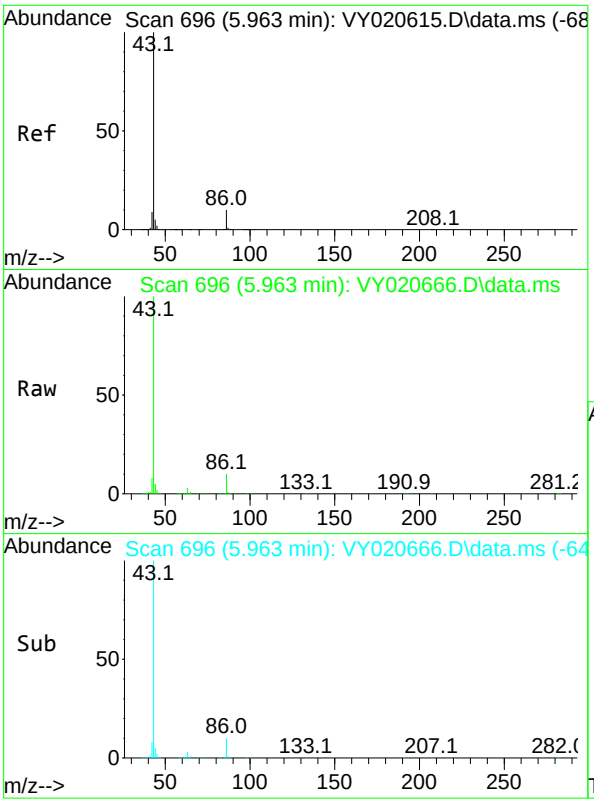


#22
Diisopropyl ether
Concen: 20.998 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 45 Resp: 147396

Ion	Ratio	Lower	Upper
45	100		
43	59.8	42.6	64.0
87	24.9	20.6	31.0
59	11.8	8.6	13.0



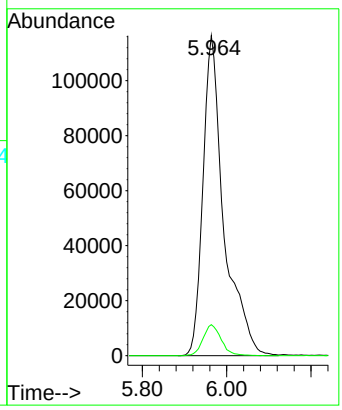


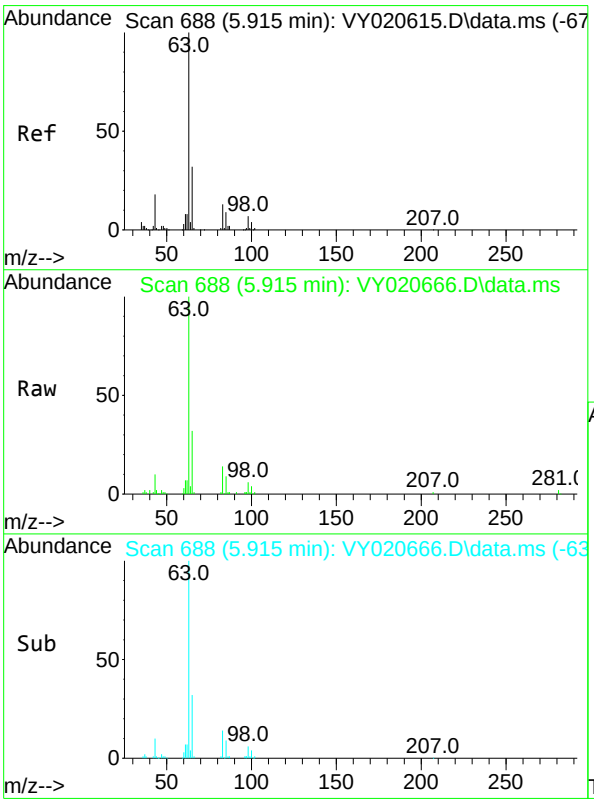
#23
Vinyl Acetate
Concen: 100.993 ug/l
RT: 5.963 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 43 Resp: 401517

Ion	Ratio	Lower	Upper
43	100		
86	9.7	8.1	12.1

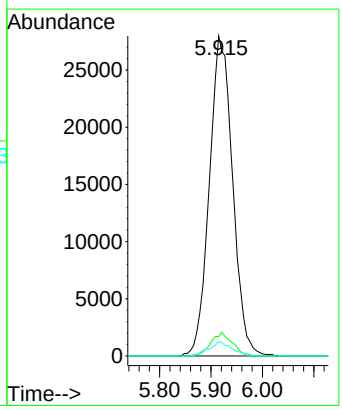


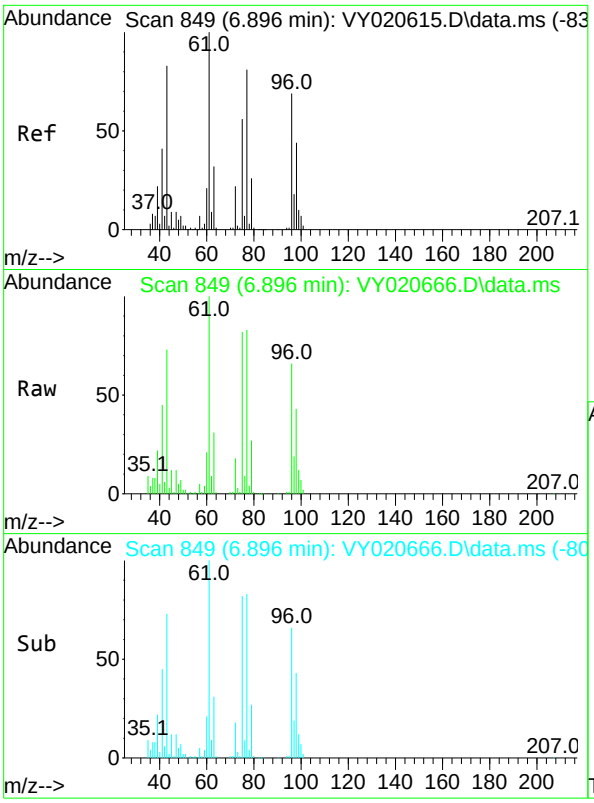


#24
1,1-Dichloroethane
Concen: 21.392 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 63 Resp: 87971

Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.4	10.1
100	4.4	2.1	6.5



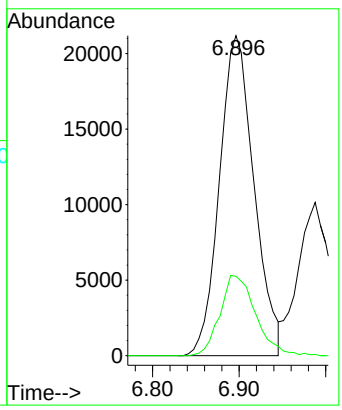


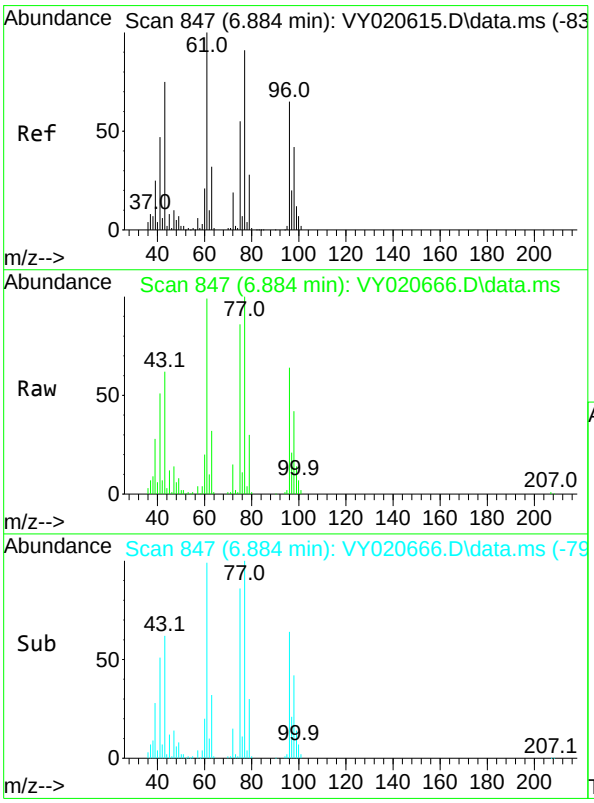
#25
2-Butanone
Concen: 91.655 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 43 Resp: 58734

Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.6	31.0

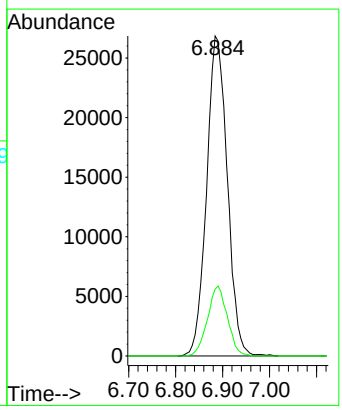


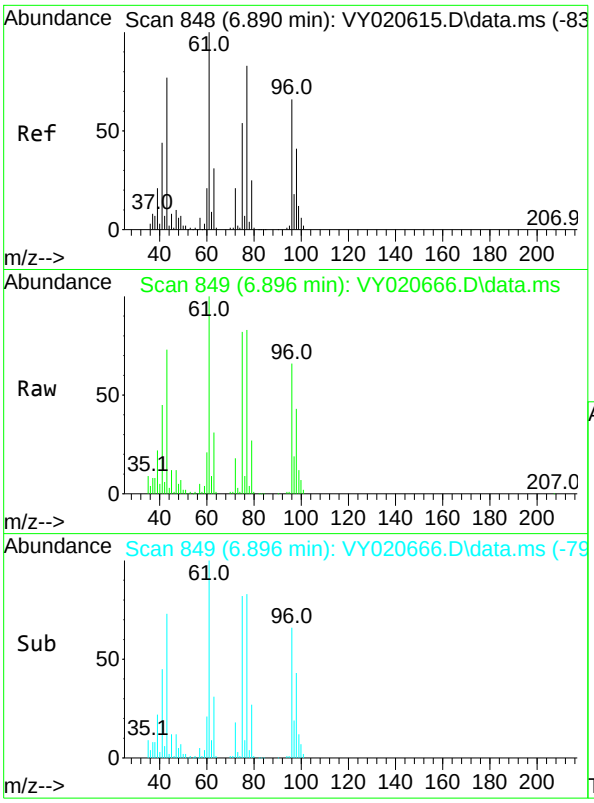


#26
2,2-Dichloropropane
Concen: 21.104 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 77 Resp: 82041

Ion	Ratio	Lower	Upper
77	100		
97	21.0	10.9	32.6



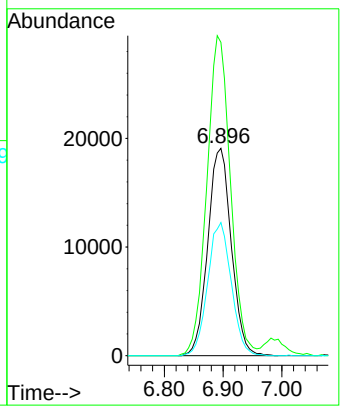


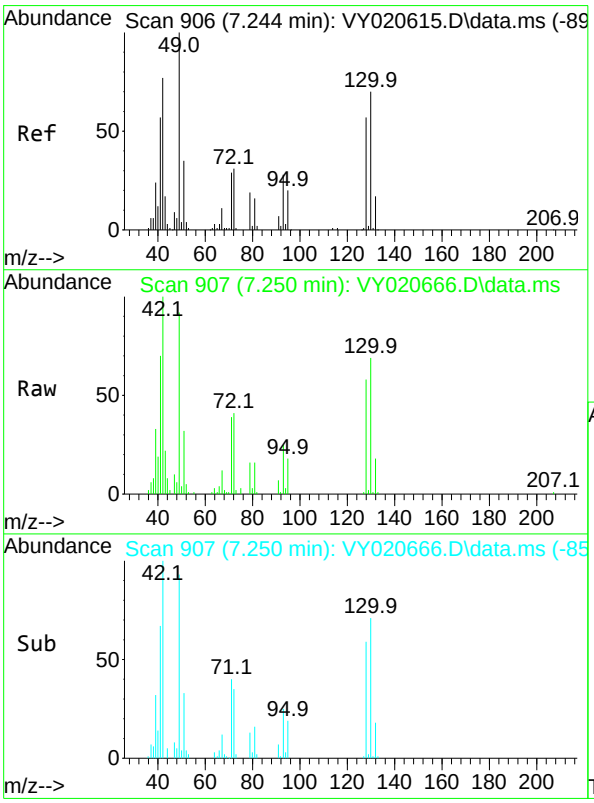
#27
cis-1,2-Dichloroethene
Concen: 20.878 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 96 Resp: 53177

Ion	Ratio	Lower	Upper
96	100		
61	154.7	0.0	306.2
98	64.3	0.0	127.2

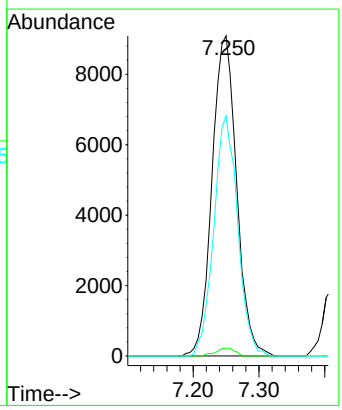


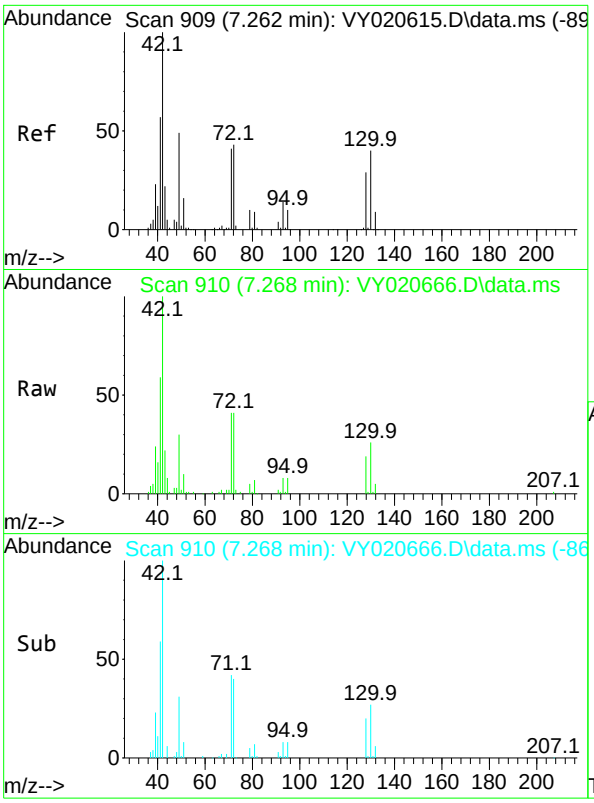


#28
Bromochloromethane
Concen: 17.030 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 49 Resp: 23622

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	73.0	58.3	87.5



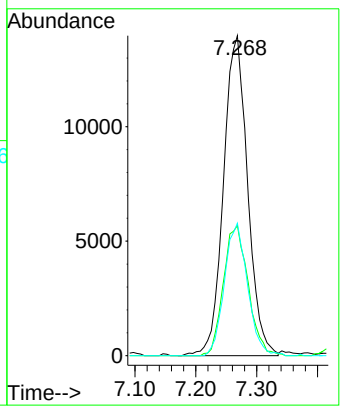


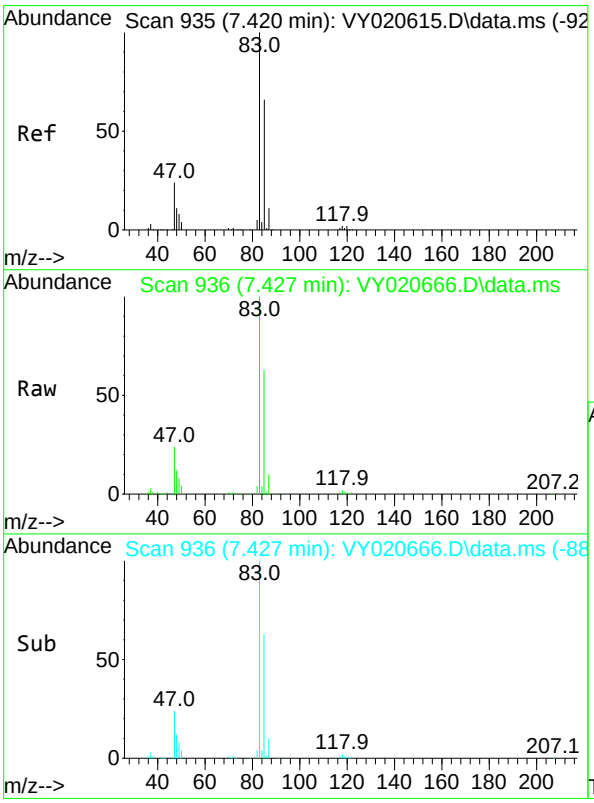
#29
Tetrahydrofuran
Concen: 95.228 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 42 Resp: 38523

Ion	Ratio	Lower	Upper
42	100		
72	41.7	34.0	51.0
71	39.6	31.6	47.4

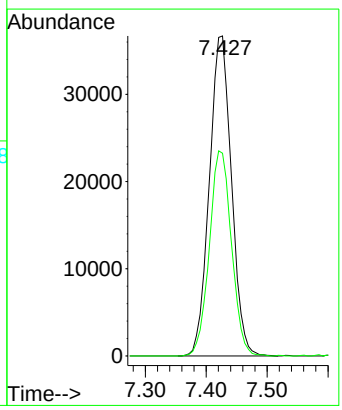


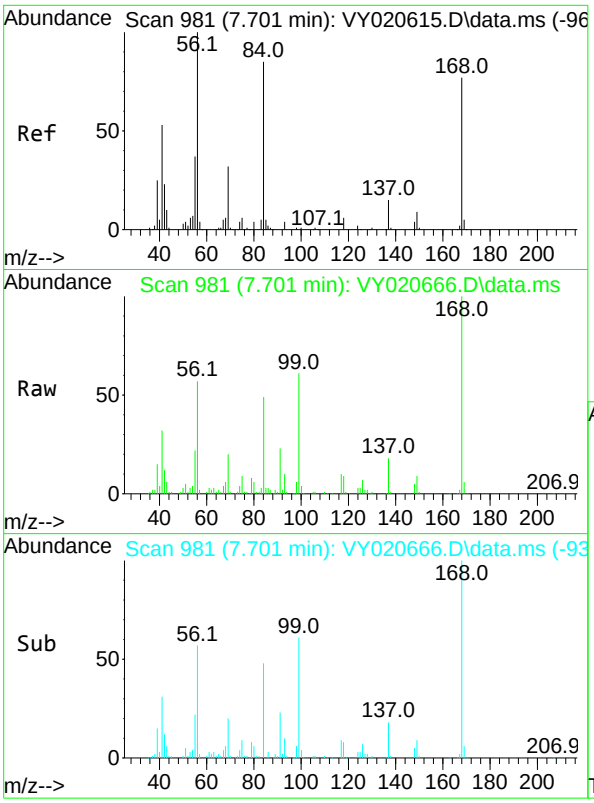


#30
Chloroform
Concen: 19.148 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.007 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 83 Resp: 92559

Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.7	79.1



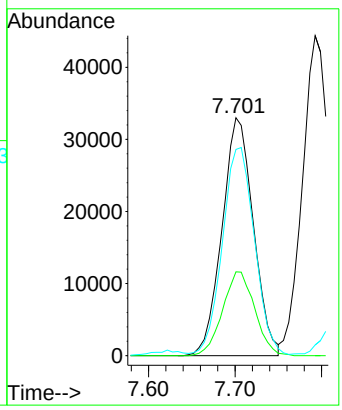


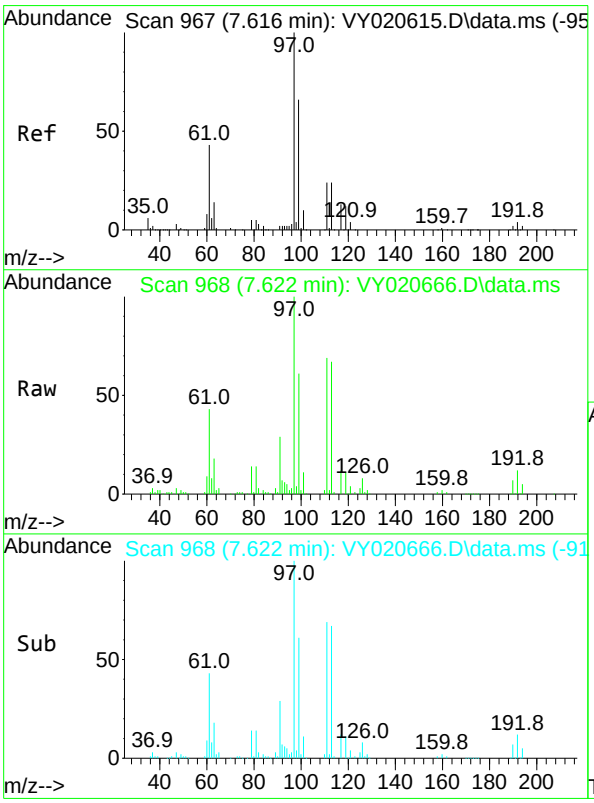
#31
Cyclohexane
Concen: 21.116 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 56 Resp: 83030

Ion	Ratio	Lower	Upper
56	100		
69	35.3	25.4	38.0
84	85.0	68.3	102.5

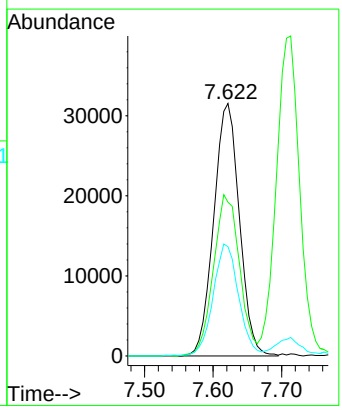


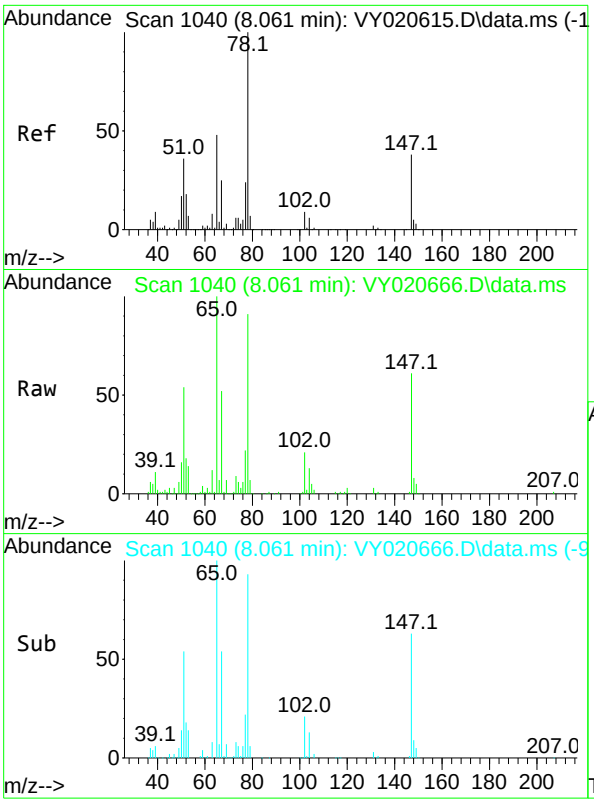


#32
1,1,1-Trichloroethane
Concen: 21.694 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 97 Resp: 81959

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.6	77.4
61	43.3	34.7	52.1



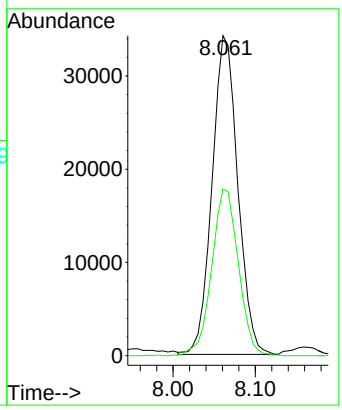


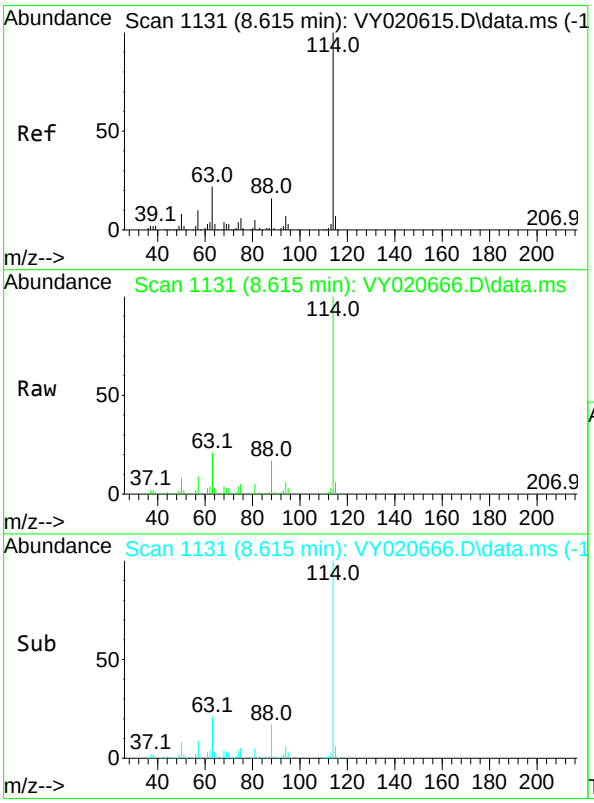
#33
1,2-Dichloroethane-d4
Concen: 43.102 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 65 Resp: 74322

Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	108.0

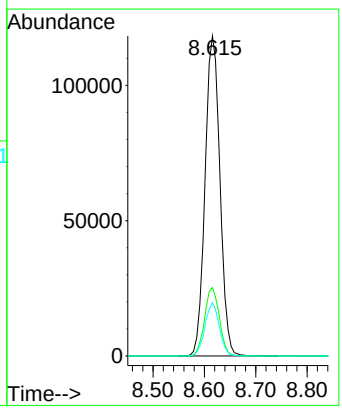


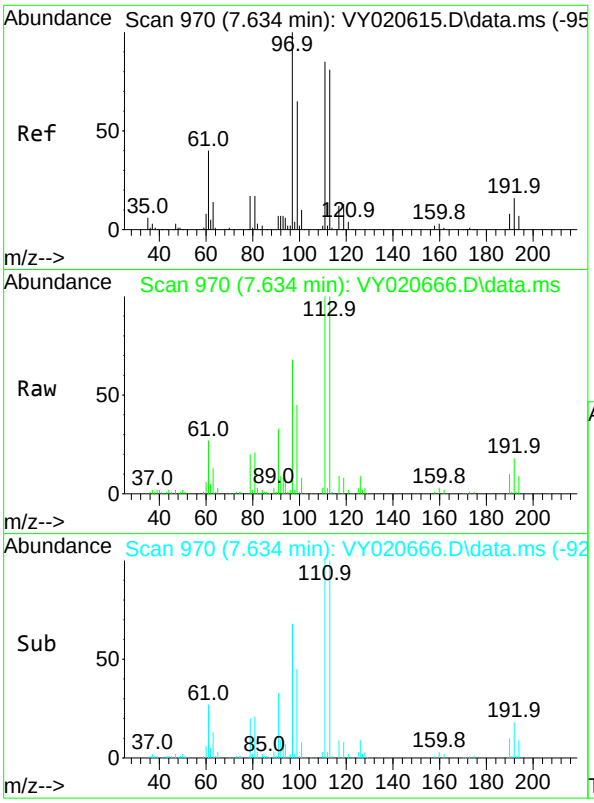


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:114 Resp: 237485

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	44.0
88	16.6	0.0	32.8



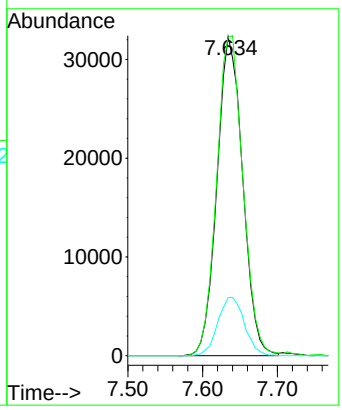


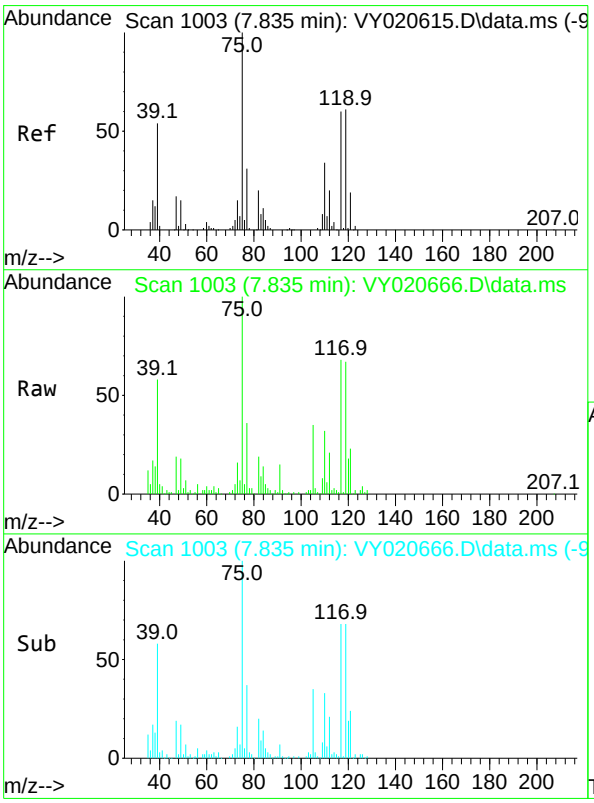
#35
Dibromofluoromethane
Concen: 46.118 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion:113 Resp: 77189

Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.9	124.3
192	18.9	15.7	23.5

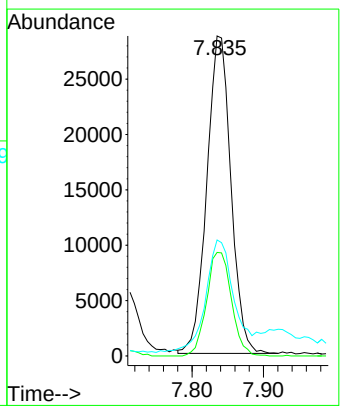


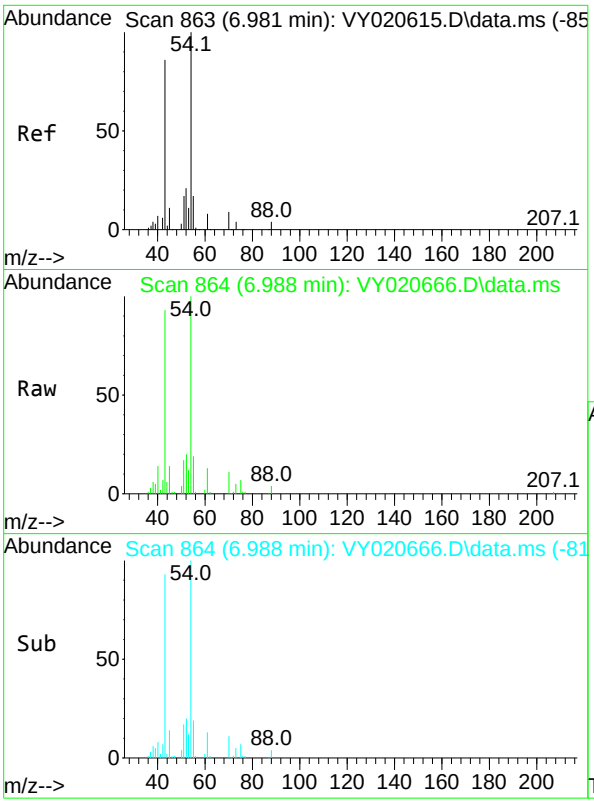


#36
1,1-Dichloropropene
Concen: 21.973 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 75 Resp: 67060

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.8	50.4
77	41.1	25.0	37.6#



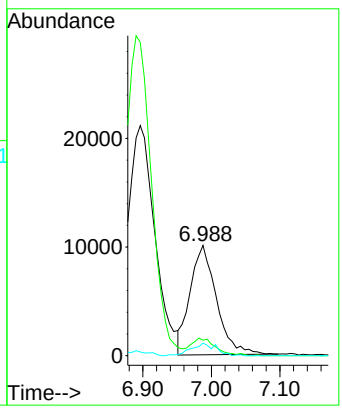


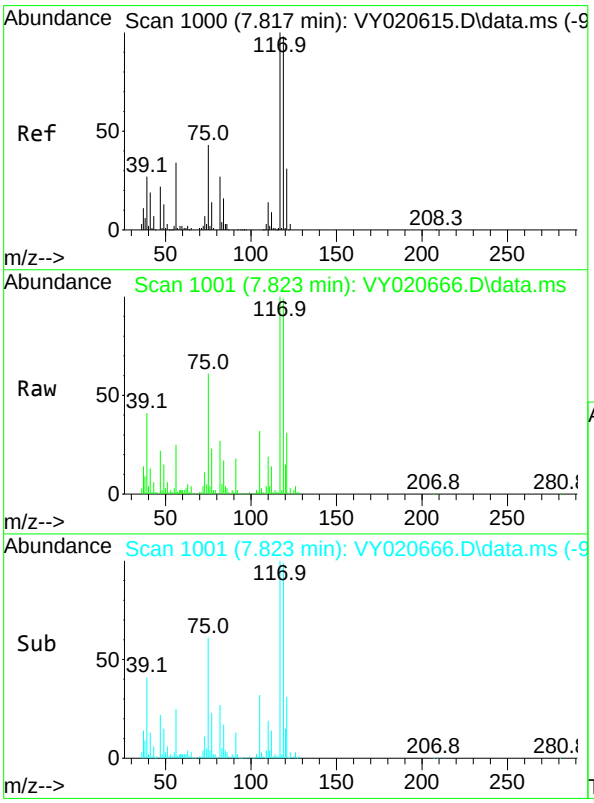
#37
Ethyl Acetate
Concen: 18.775 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 43 Resp: 26953

Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.0	16.4
70	10.7	7.9	11.9

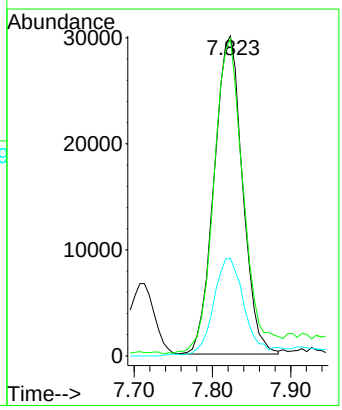


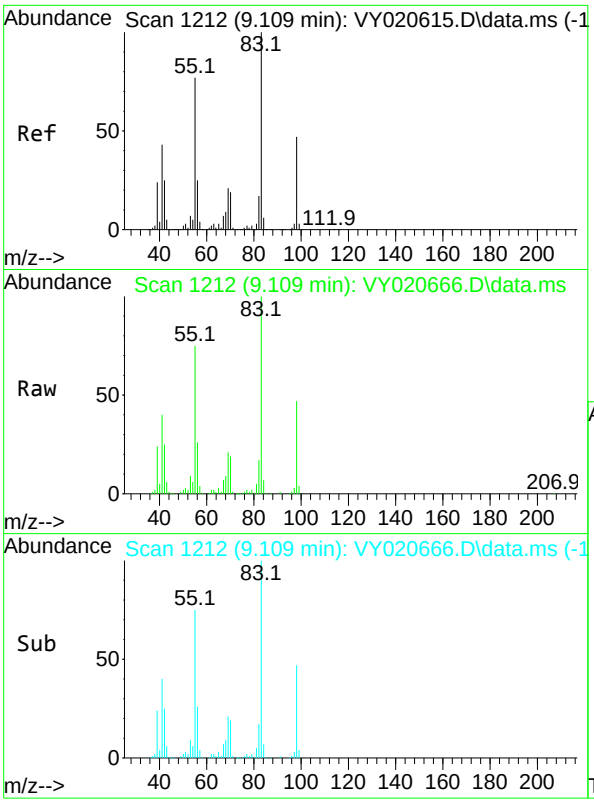


#38
Carbon Tetrachloride
Concen: 22.399 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:117 Resp: 75634

Ion	Ratio	Lower	Upper
117	100		
119	98.4	78.3	117.5
121	30.3	25.1	37.7



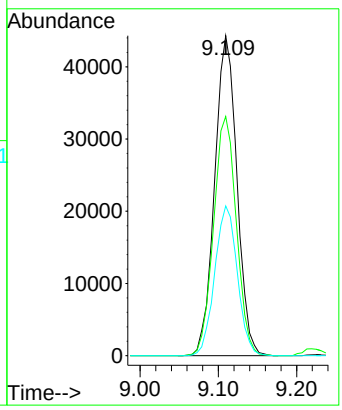


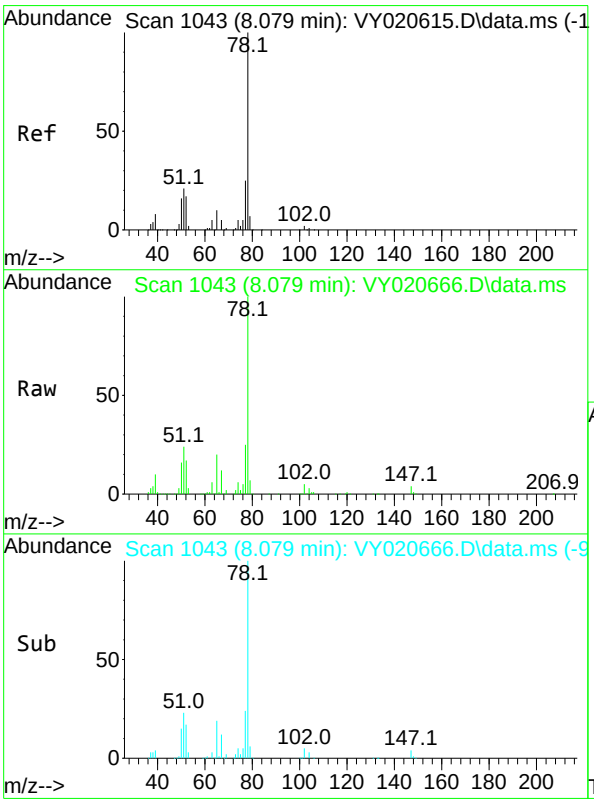
#39
Methylcyclohexane
Concen: 22.028 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 83 Resp: 87624

Ion	Ratio	Lower	Upper
83	100		
55	74.7	61.4	92.0
98	46.8	37.3	55.9

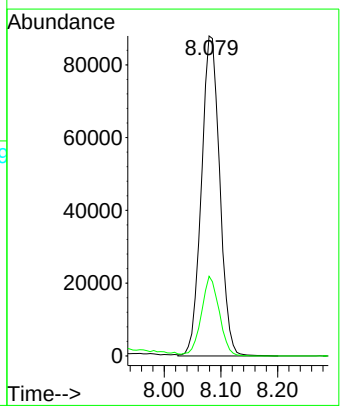


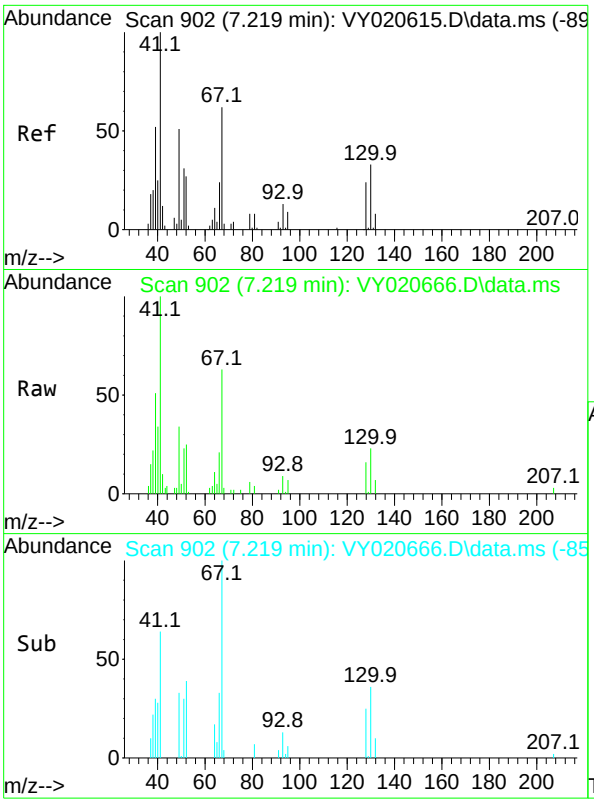


#40
Benzene
Concen: 22.058 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 78 Resp: 197331

Ion	Ratio	Lower	Upper
78	100		
77	24.9	20.1	30.1



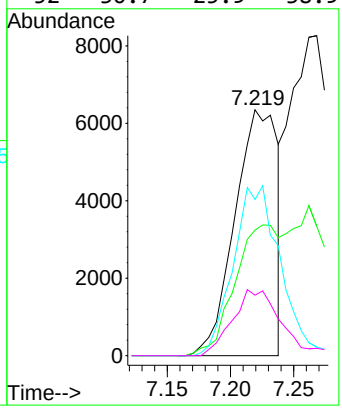


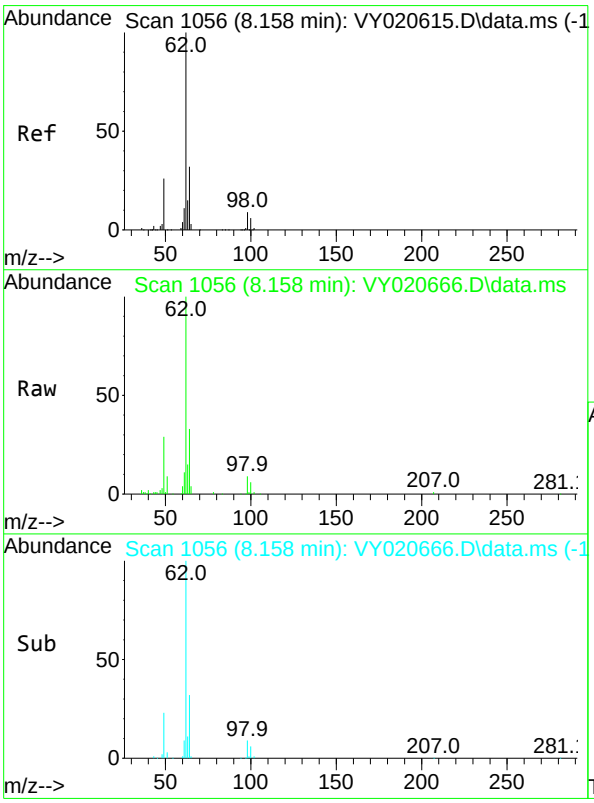
#41
Methacrylonitrile
Concen: 19.610 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 41 Resp: 14883

Ion	Ratio	Lower	Upper
41	100		
39	54.3	53.6	80.4
67	76.1	62.0	93.0
52	30.7	25.9	38.9

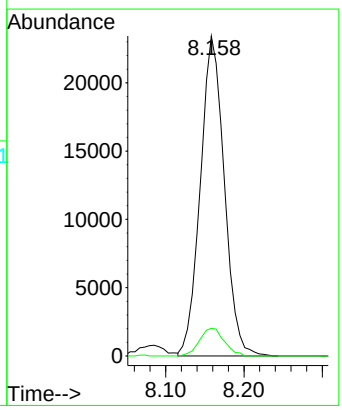


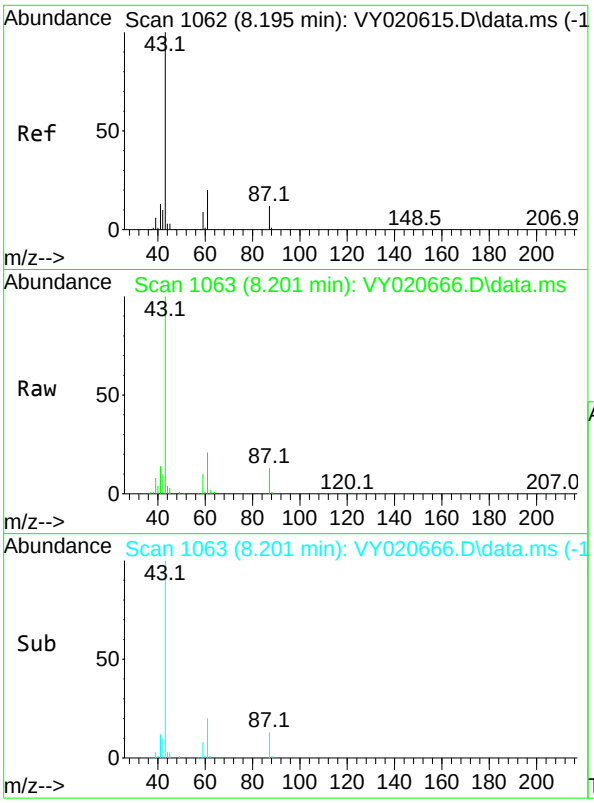


#42
1,2-Dichloroethane
Concen: 20.991 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 62 Resp: 49803

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.0



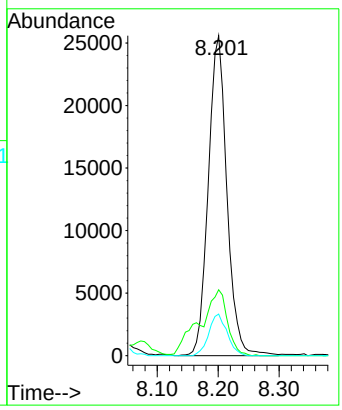


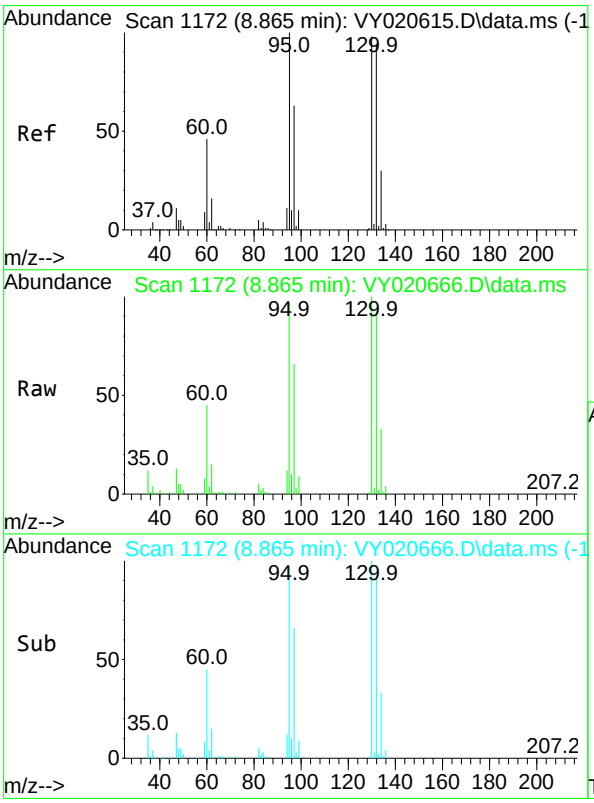
#43
Isopropyl Acetate
Concen: 19.989 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 43 Resp: 54326

Ion	Ratio	Lower	Upper
43	100		
61	30.6	23.8	35.6
87	12.8	10.2	15.4

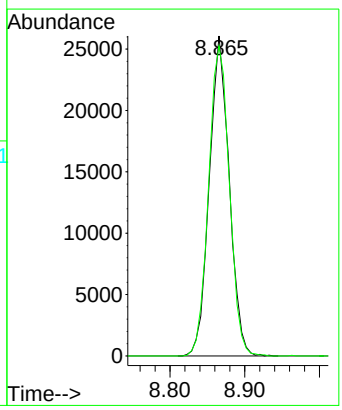


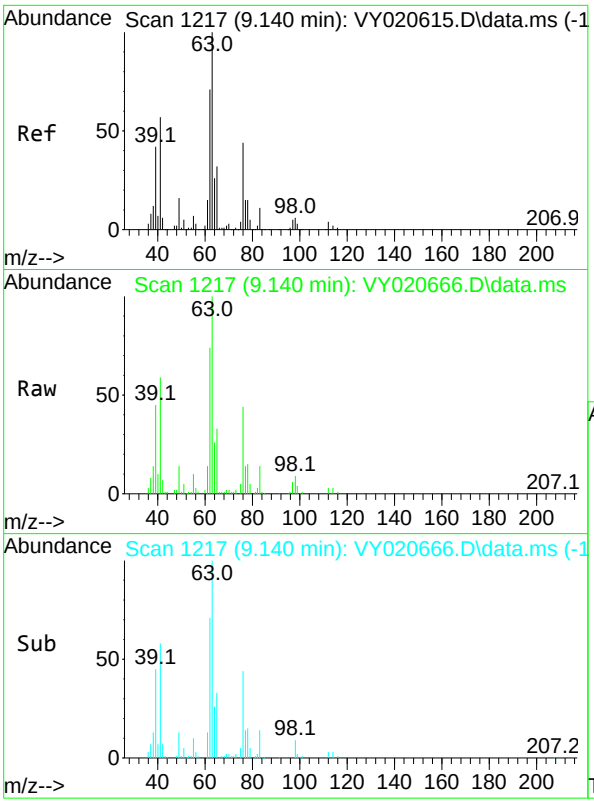


#44
Trichloroethene
Concen: 21.921 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:130 Resp: 48185

Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	203.2



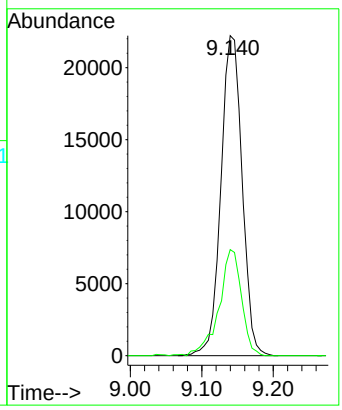


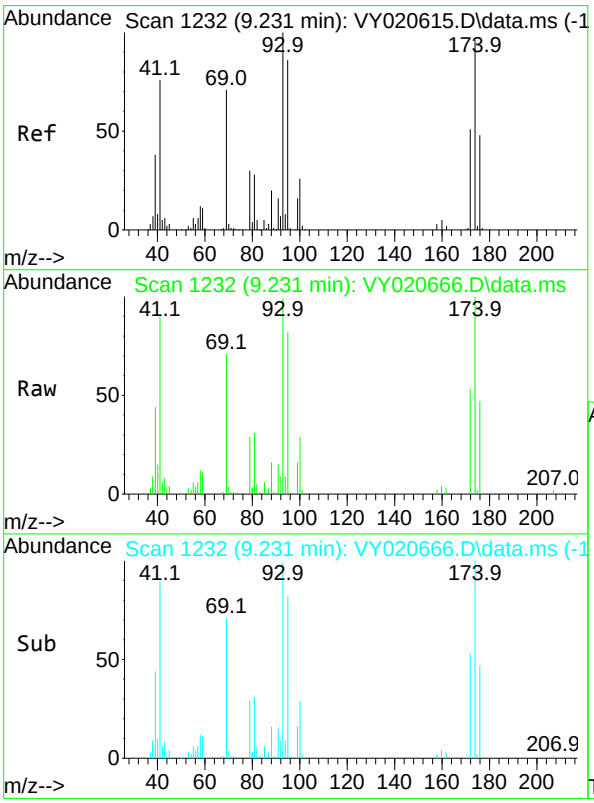
#45
1,2-Dichloropropane
Concen: 21.896 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 63 Resp: 45779

Ion	Ratio	Lower	Upper
63	100		
65	33.1	25.9	38.9

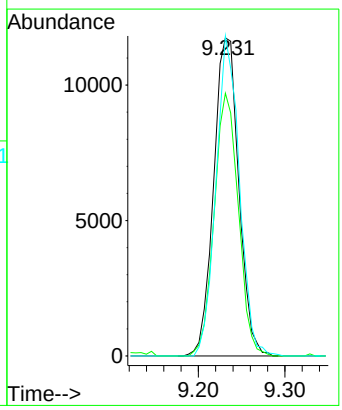


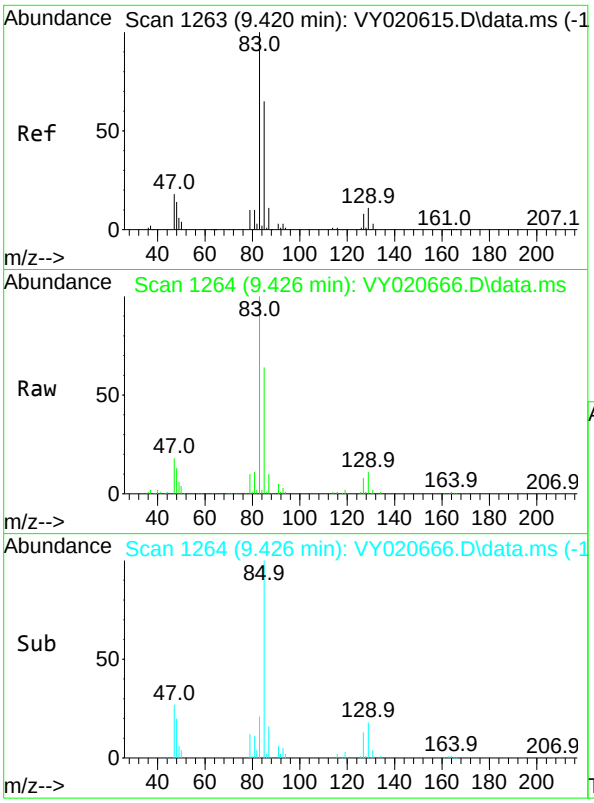


#46
Dibromomethane
Concen: 21.396 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 93 Resp: 23641

Ion	Ratio	Lower	Upper
93	100		
95	79.3	66.7	100.1
174	93.6	77.8	116.6



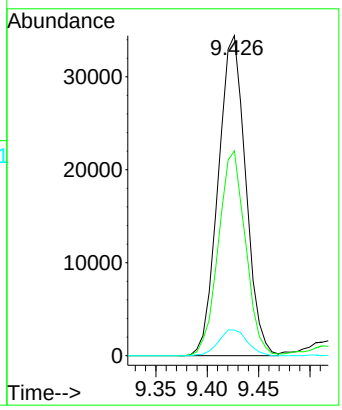


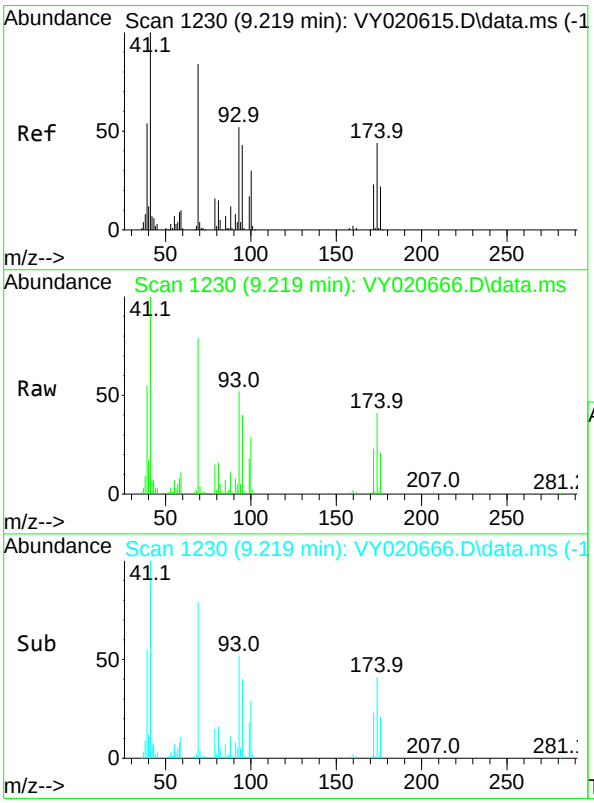
#47
Bromodichloromethane
Concen: 21.429 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 83 Resp: 63960

Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.1	78.1
127	8.0	6.7	10.1

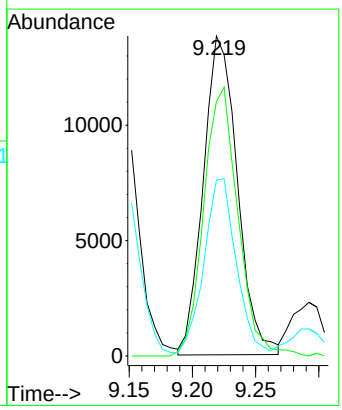


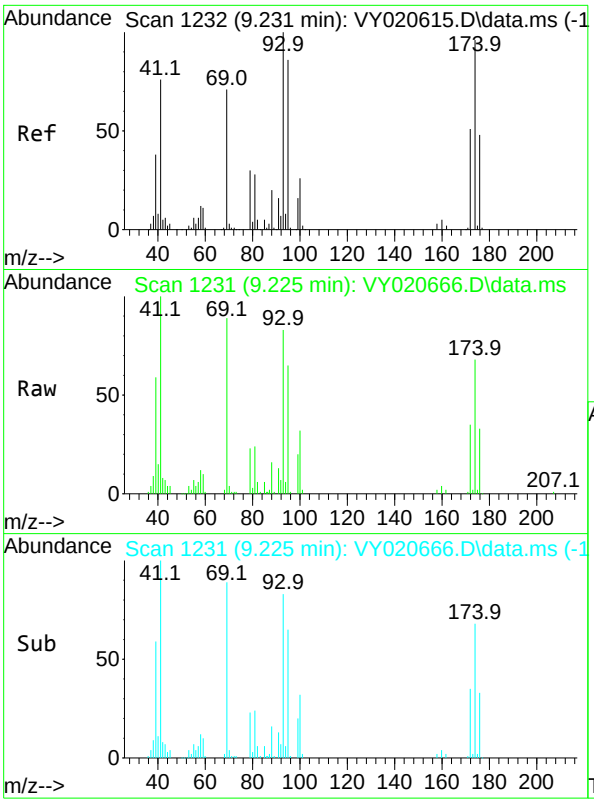


#48
Methyl methacrylate
Concen: 20.050 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 41 Resp: 25905

Ion	Ratio	Lower	Upper
41	100		
69	84.6	67.2	100.8
39	51.4	42.2	63.4



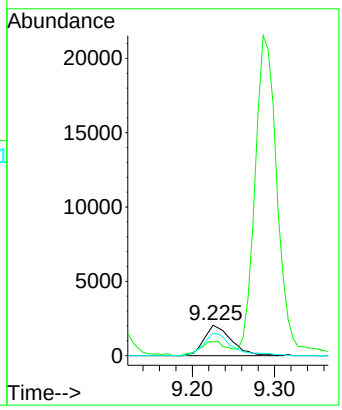


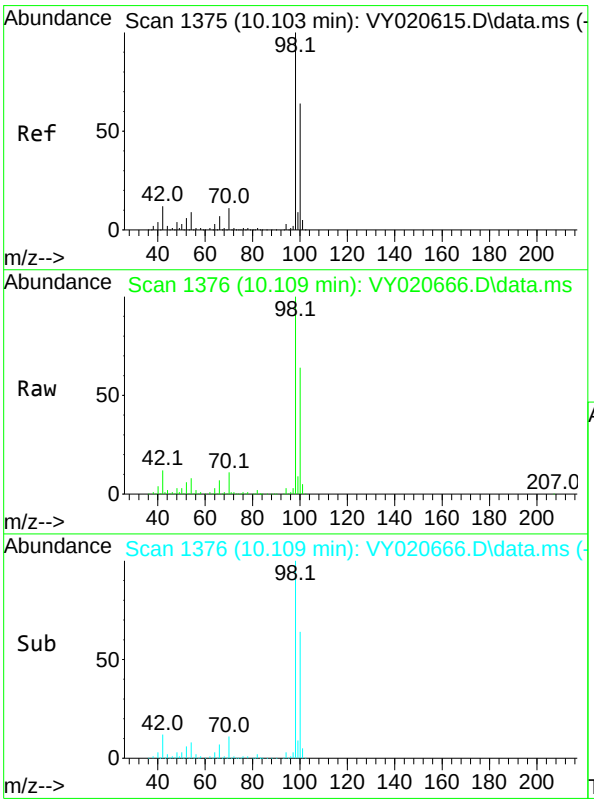
#49
1,4-Dioxane
Concen: 370.747 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 88 Resp: 4698

Ion	Ratio	Lower	Upper
88	100		
43	45.8	27.6	41.4#
58	78.0	61.7	92.5

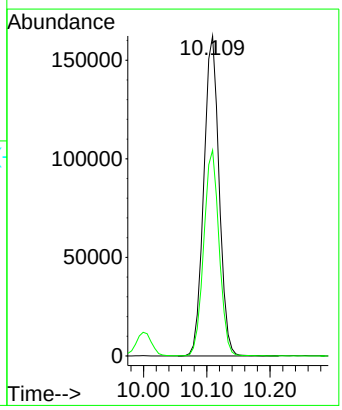


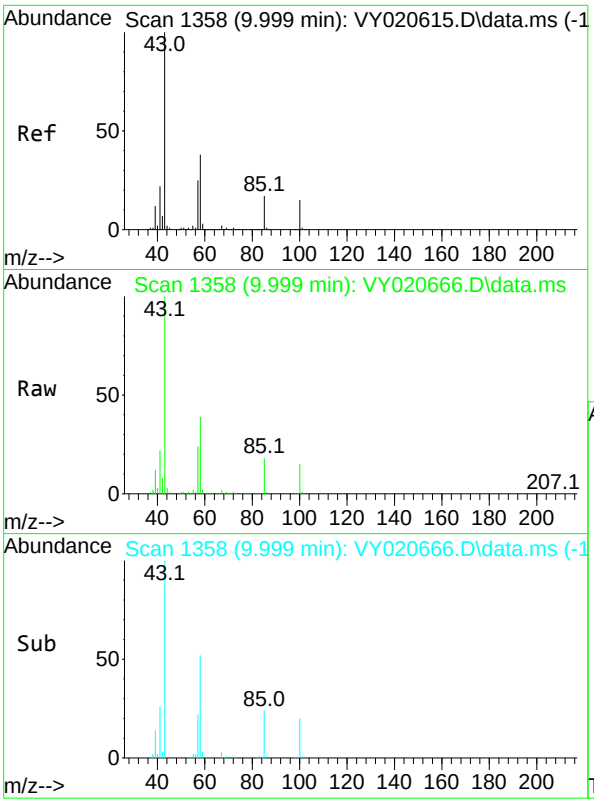


#50
Toluene-d8
Concen: 46.643 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 98 Resp: 273250

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.1	78.1



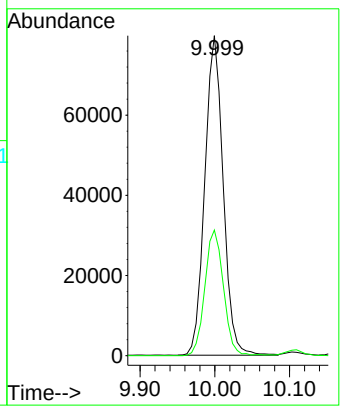


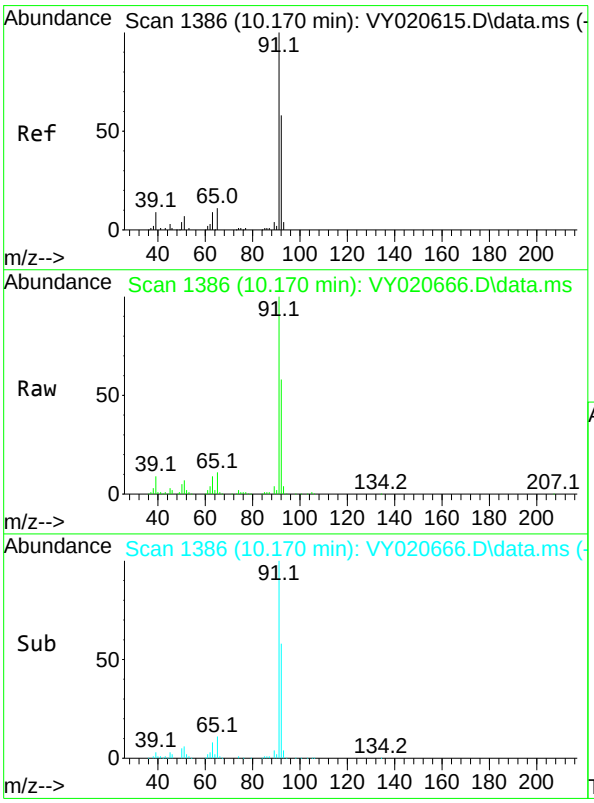
#51
4-Methyl-2-Pentanone
Concen: 94.726 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 43 Resp: 135892

Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.4	47.2

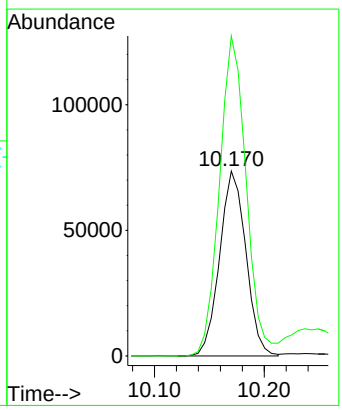


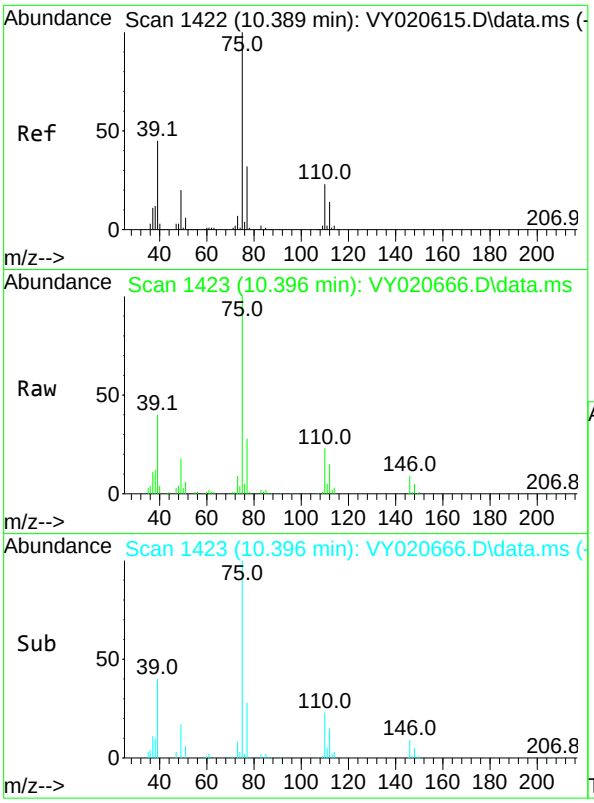


#52
Toluene
Concen: 22.055 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 92 Resp: 122615

Ion	Ratio	Lower	Upper
92	100		
91	175.0	137.4	206.0



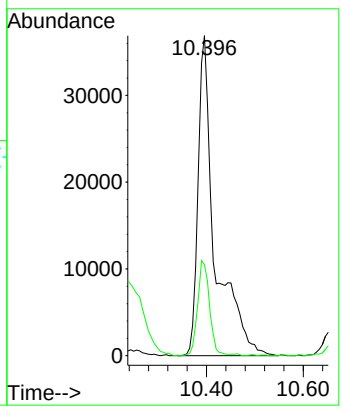


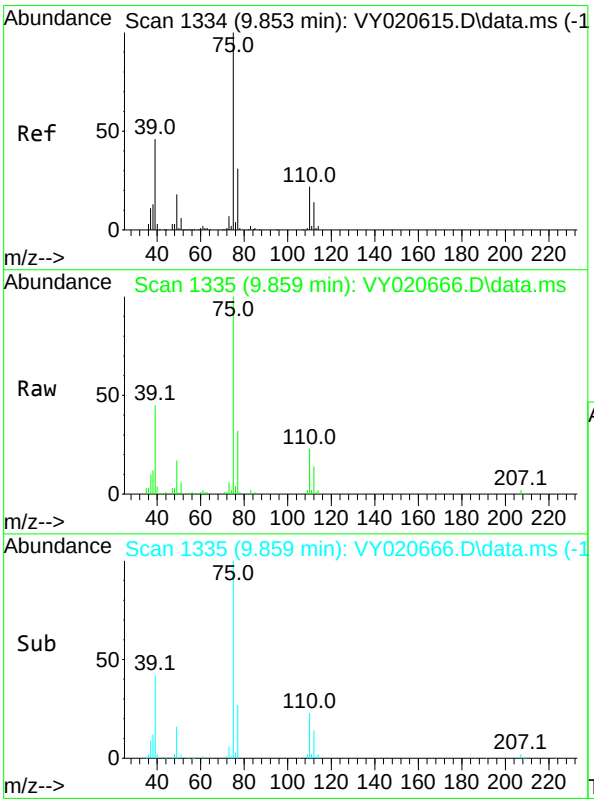
#53
t-1,3-Dichloropropene
Concen: 32.354 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 75 Resp: 89982

Ion	Ratio	Lower	Upper
75	100		
77	28.5	25.4	38.2

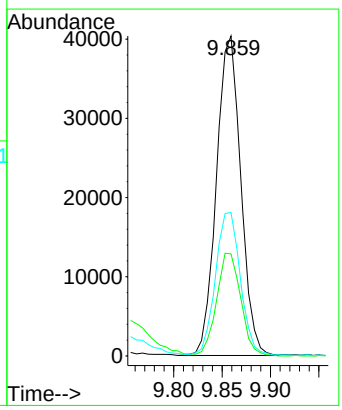


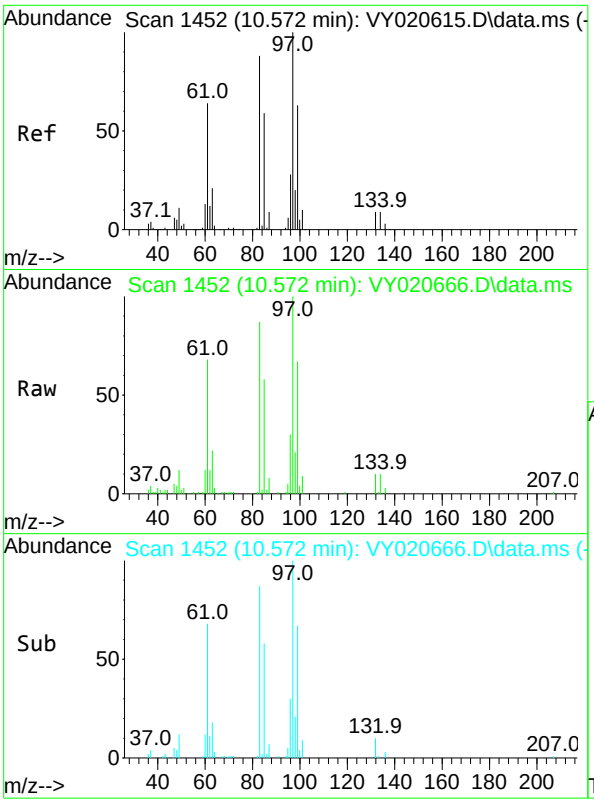


#54
cis-1,3-Dichloropropene
Concen: 21.413 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 75 Resp: 70570

Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.6	36.8
39	44.6	36.4	54.6



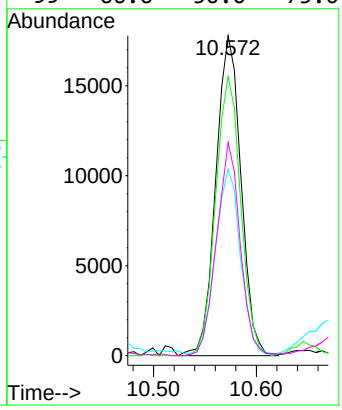


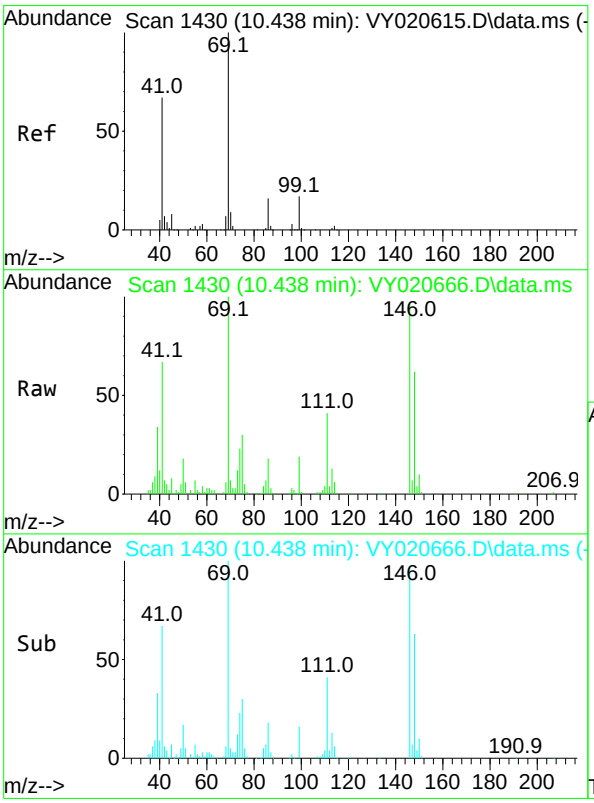
#55
1,1,2-Trichloroethane
Concen: 20.669 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 97 Resp: 30195

Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.4	105.6
85	57.7	47.2	70.8
99	66.6	50.0	75.0

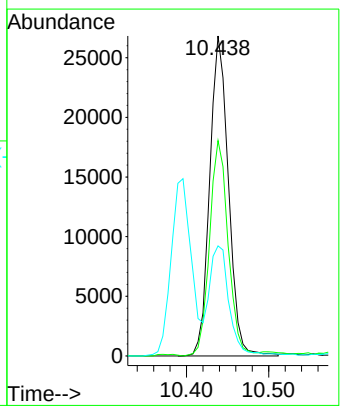


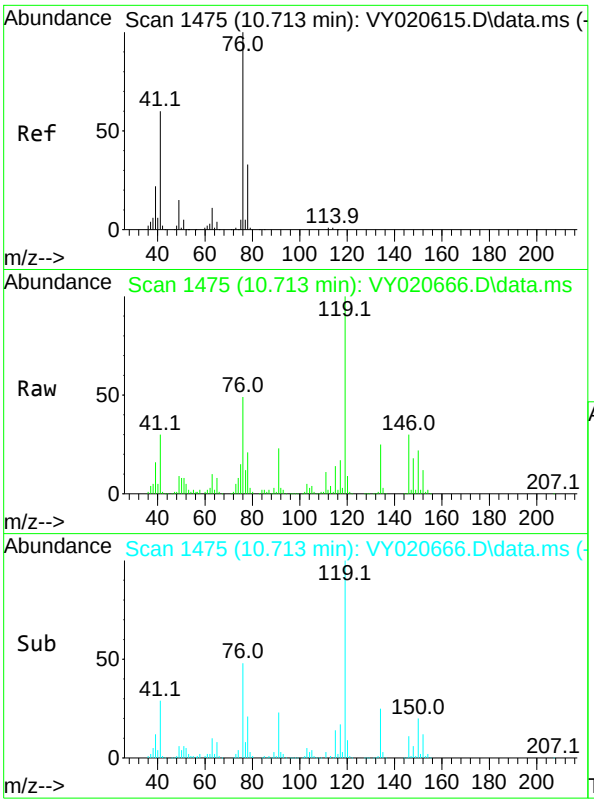


#56
Ethyl methacrylate
Concen: 20.060 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 69 Resp: 42515

Ion	Ratio	Lower	Upper
69	100		
41	66.9	54.0	81.0
39	35.1	27.9	41.9



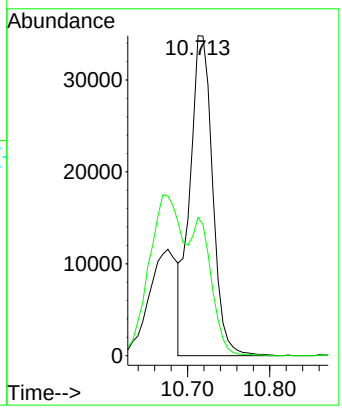


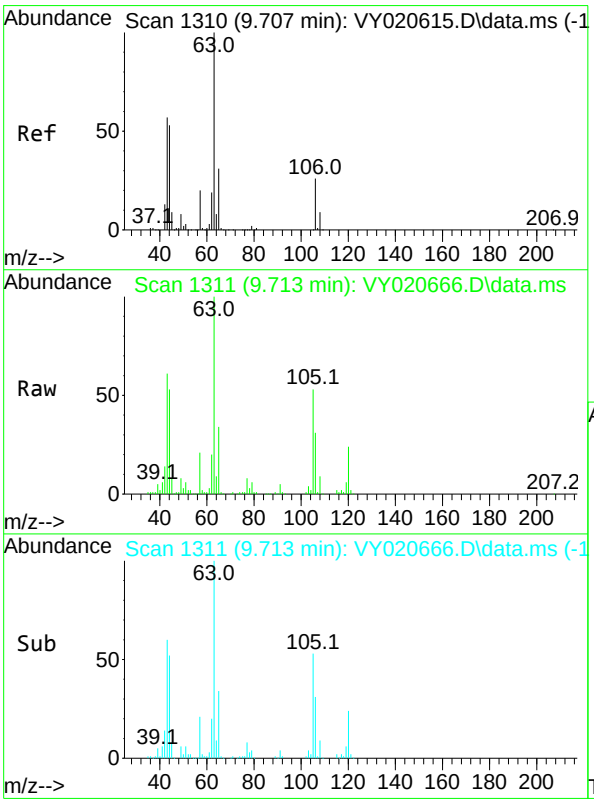
#57
1,3-Dichloropropane
Concen: 25.621 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 76 Resp: 66722

Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.8	38.8#

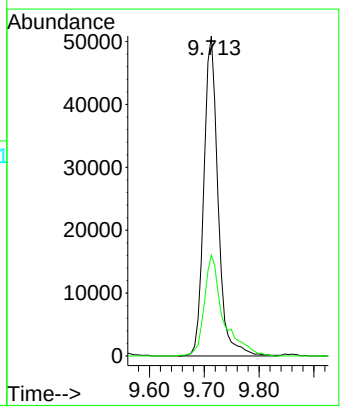


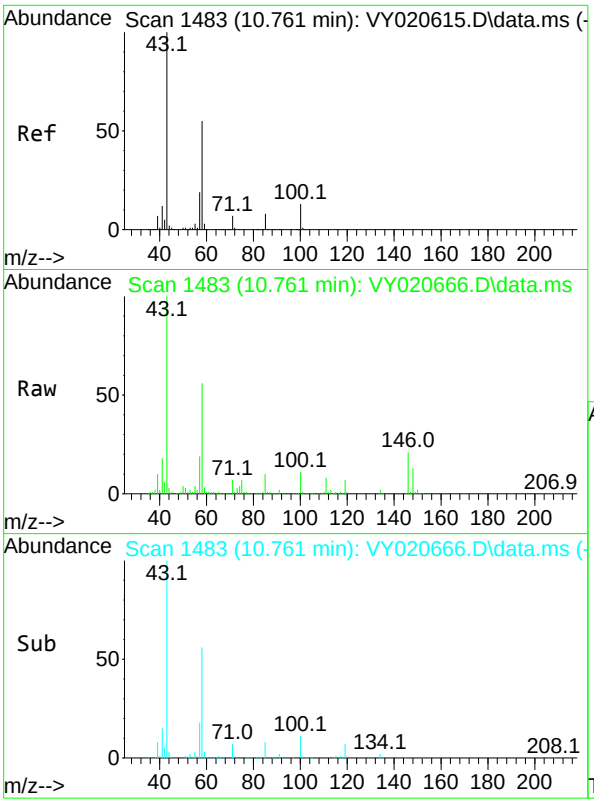


#58
2-Chloroethyl Vinyl ether
Concen: 102.533 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 63 Resp: 91434

Ion	Ratio	Lower	Upper
63	100		
106	42.0	21.5	32.3#



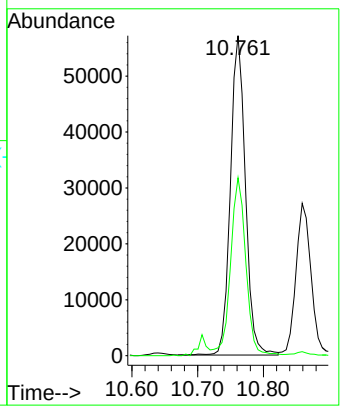


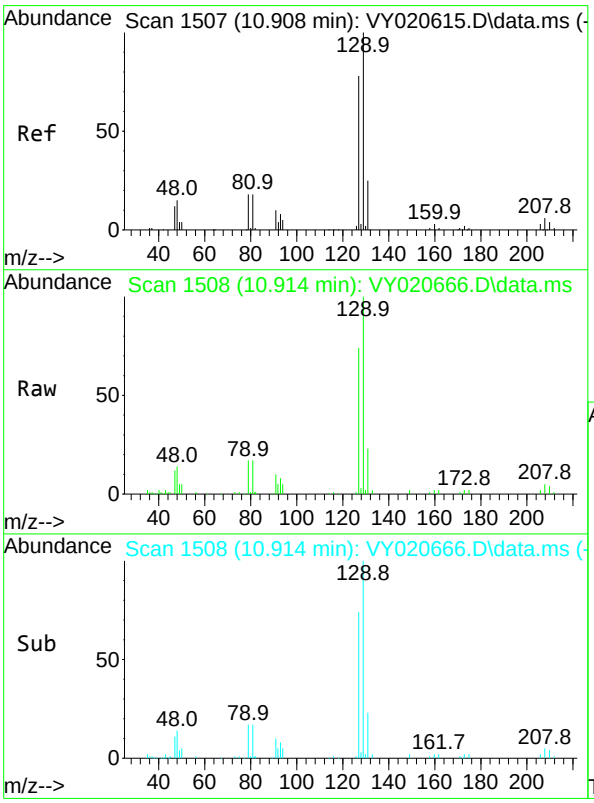
#59
2-Hexanone
Concen: 98.464 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 43 Resp: 90691

Ion	Ratio	Lower	Upper
43	100		
58	56.8	27.2	81.6

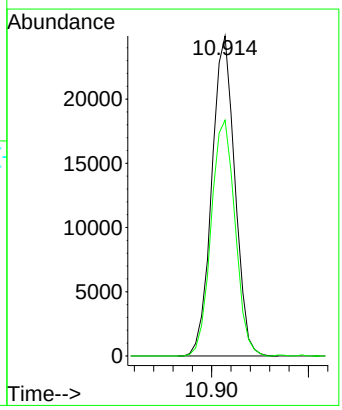


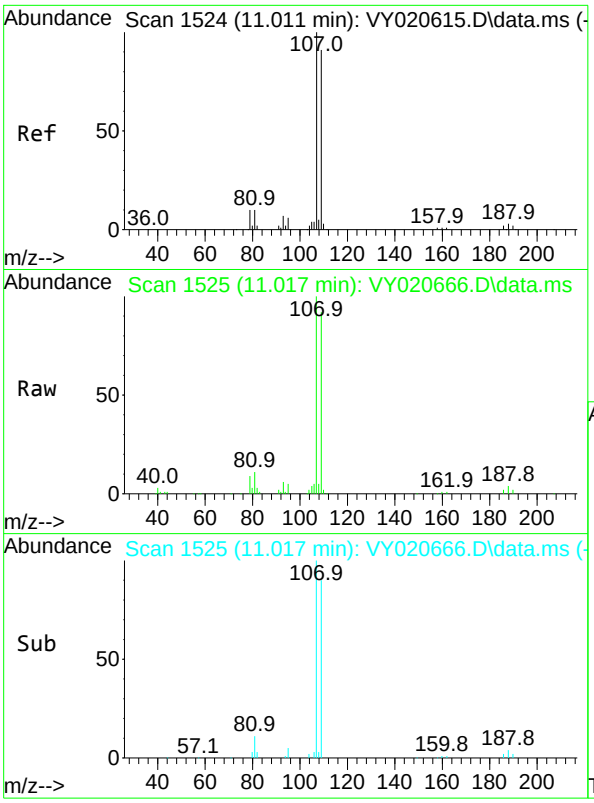


#60
Dibromochloromethane
Concen: 21.080 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:129 Resp: 41185

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.1	114.3



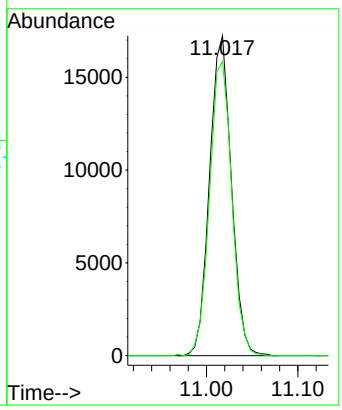


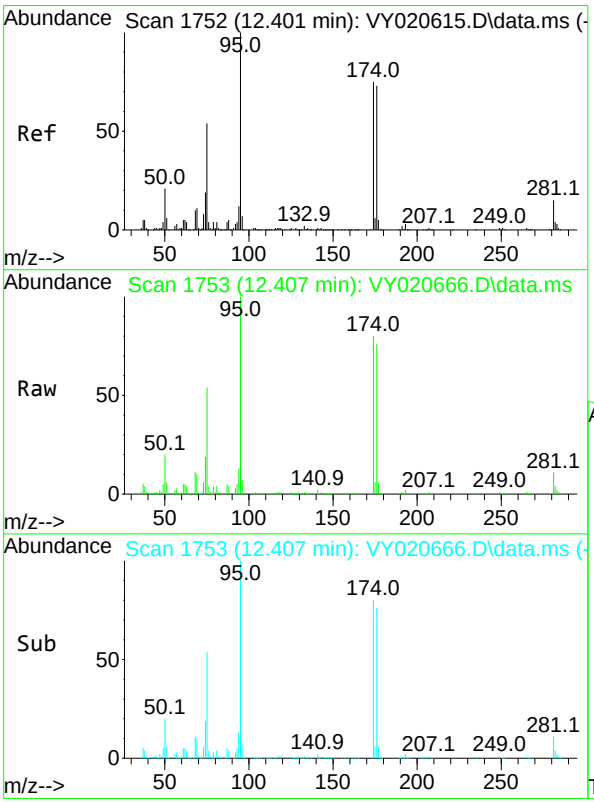
#61
1,2-Dibromoethane
Concen: 21.018 ug/l
RT: 11.017 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion:107 Resp: 28561

Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.4	113.2

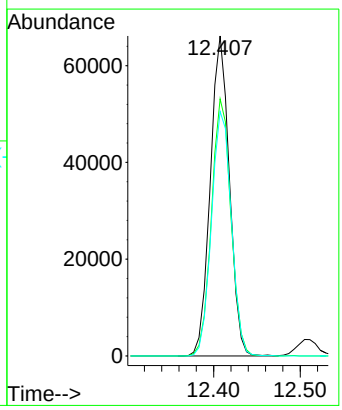


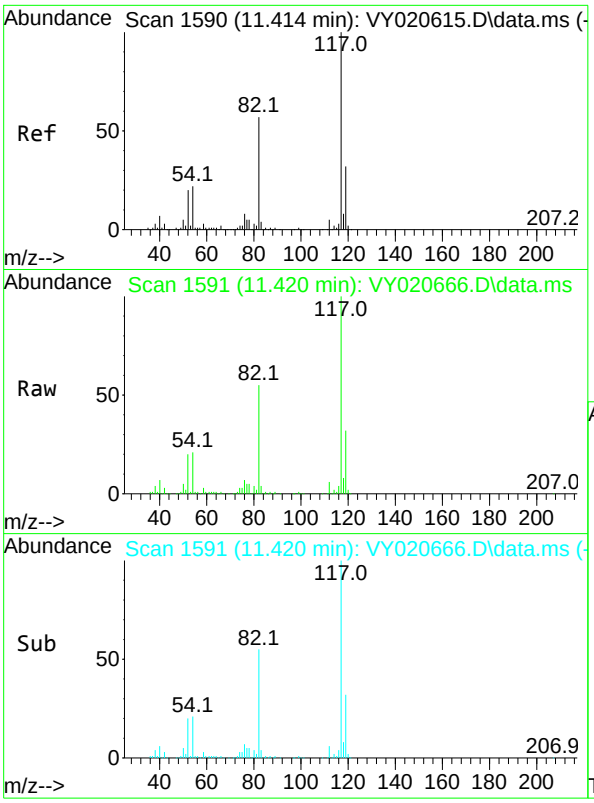


#62
4-Bromofluorobenzene
Concen: 44.220 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 95 Resp: 101336

Ion	Ratio	Lower	Upper
95	100		
174	81.8	0.0	161.8
176	79.2	0.0	156.6



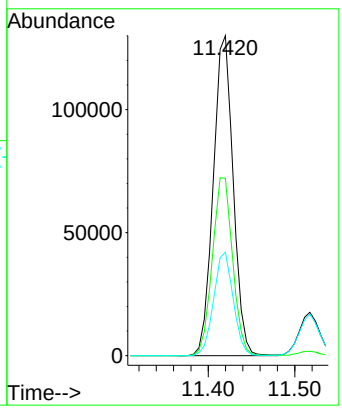


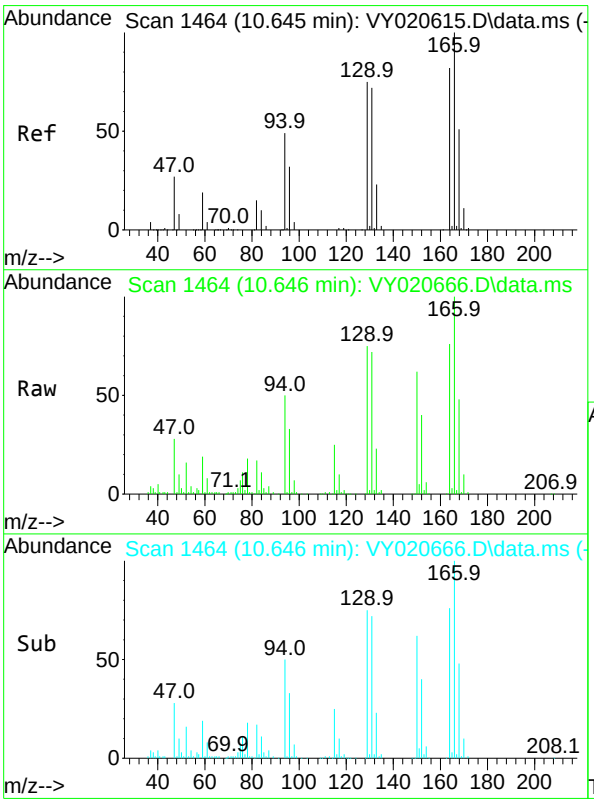
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion:117 Resp: 207752

Ion	Ratio	Lower	Upper
117	100		
82	55.4	45.8	68.6
119	32.4	25.3	37.9

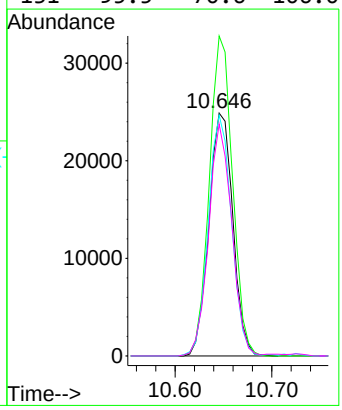


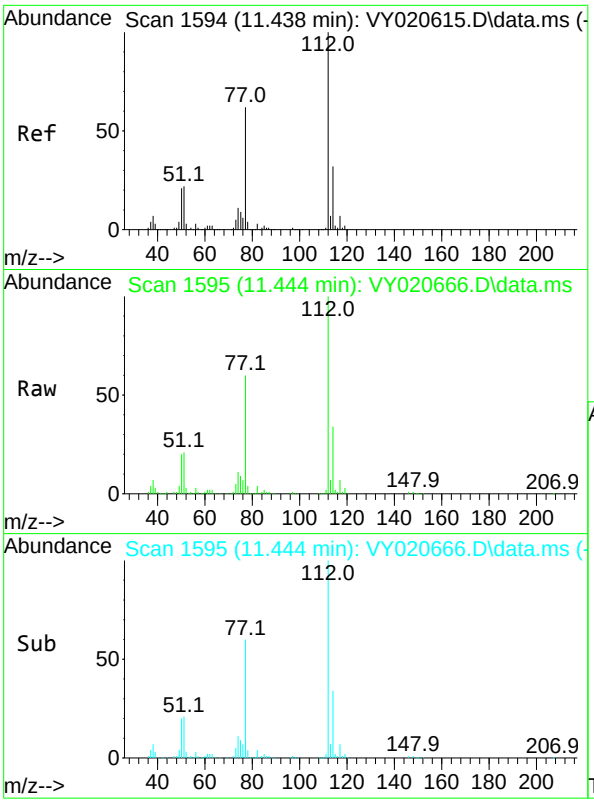


#64
Tetrachloroethene
Concen: 21.919 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:164 Resp: 42833

Ion	Ratio	Lower	Upper
164	100		
166	131.8	97.9	146.9
129	99.2	73.4	110.0
131	95.5	70.6	106.0



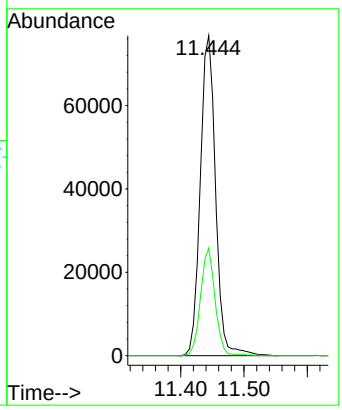


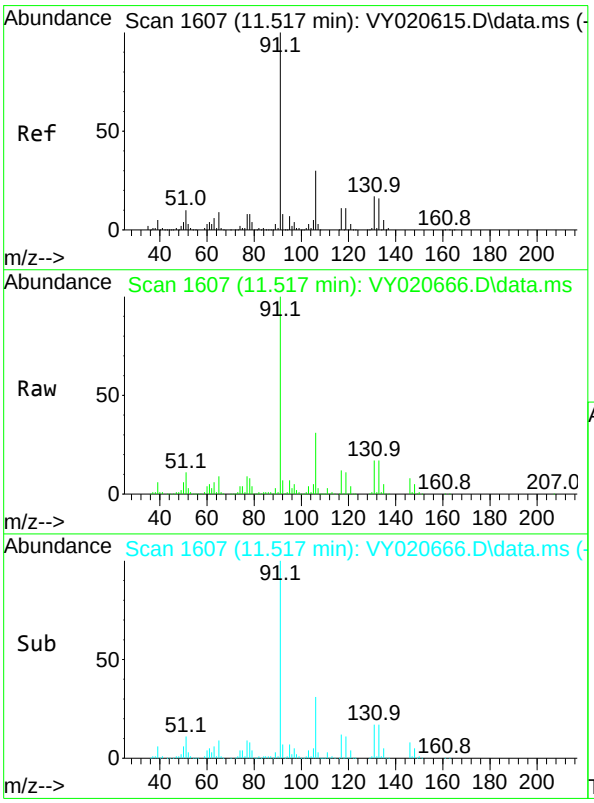
#65
Chlorobenzene
Concen: 22.264 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion:112 Resp: 129331

Ion	Ratio	Lower	Upper
112	100		
114	33.6	26.0	39.0

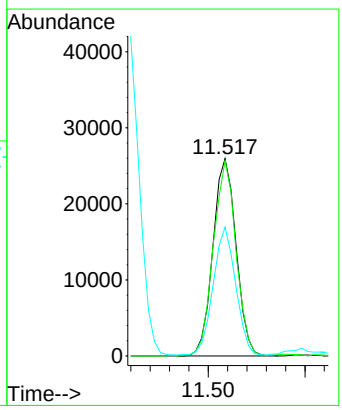


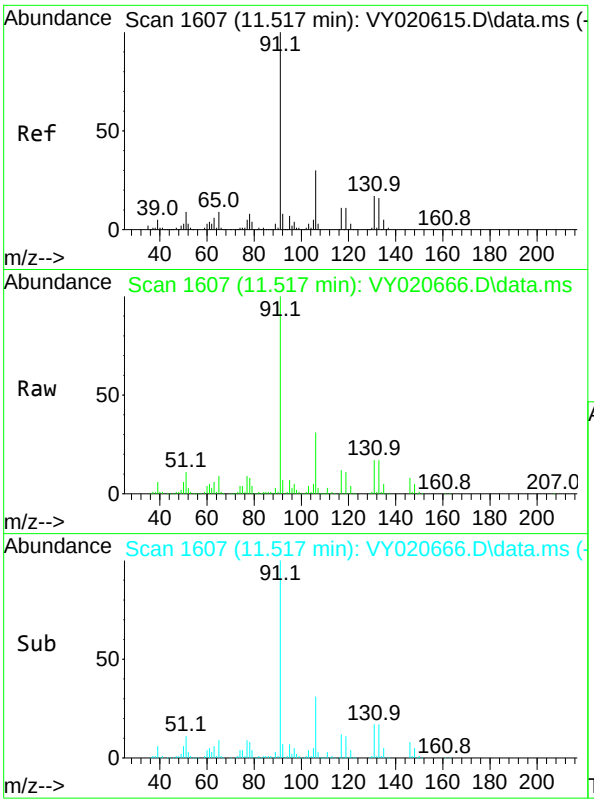


#66
1,1,1,2-Tetrachloroethane
Concen: 21.675 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:131 Resp: 43055

Ion	Ratio	Lower	Upper
131	100		
133	97.1	46.8	140.3
119	64.4	31.8	95.3



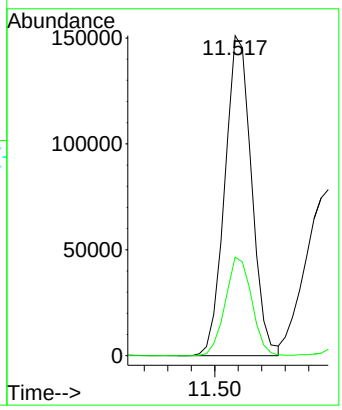


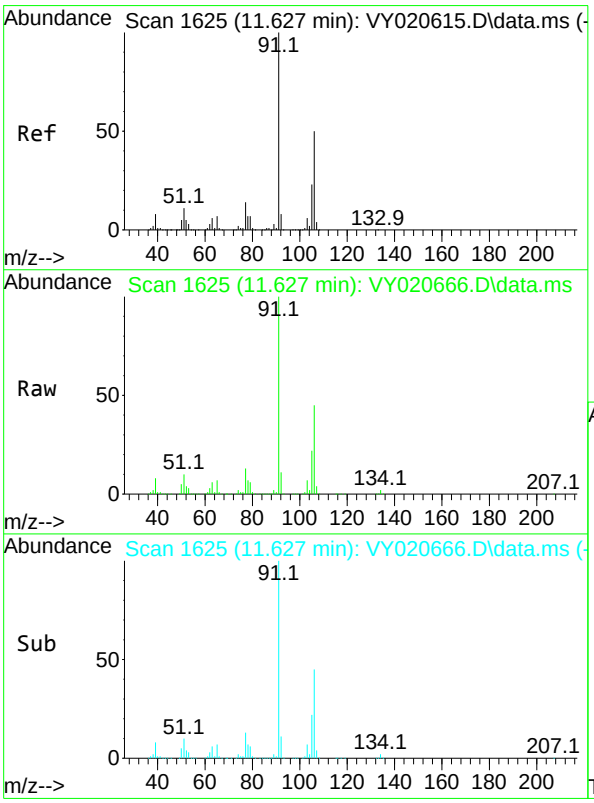
#67
Ethyl Benzene
Concen: 22.248 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 91 Resp: 238433

Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9

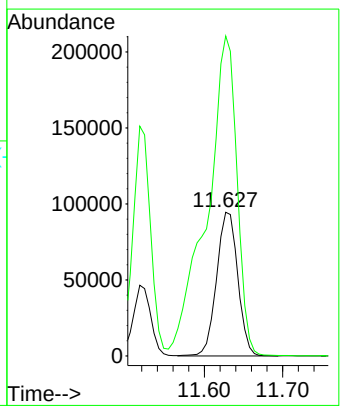


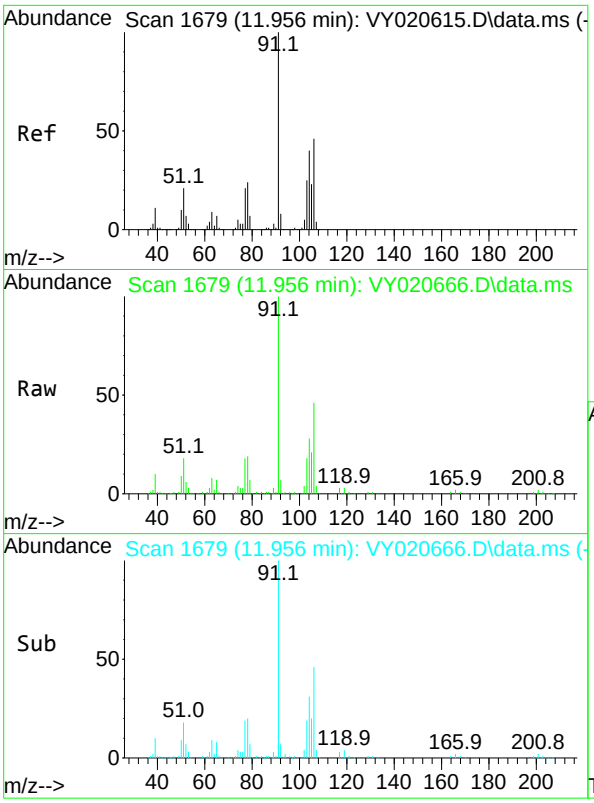


#68
m/p-Xylenes
Concen: 44.684 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:106 Resp: 178050

Ion	Ratio	Lower	Upper
106	100		
91	314.7	165.0	247.4#



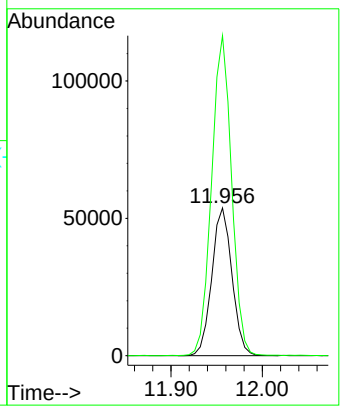


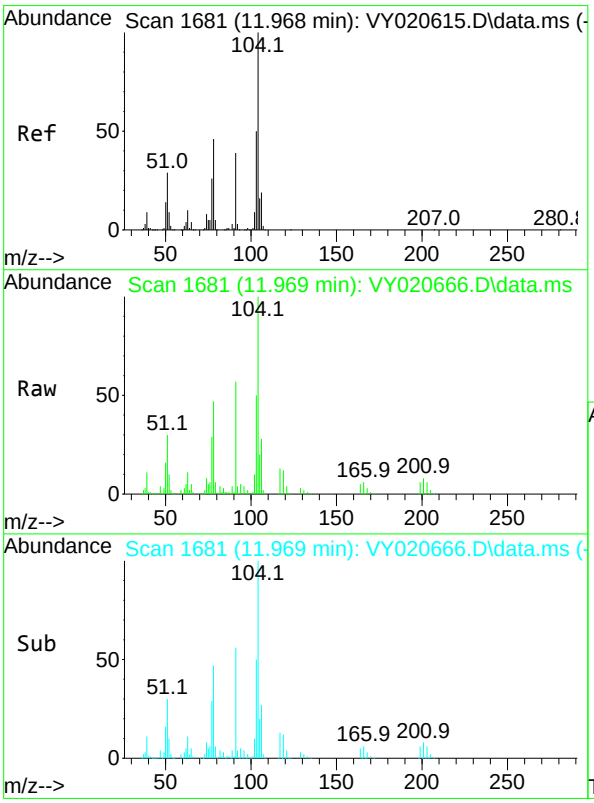
#69
o-Xylene
Concen: 22.185 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion:106 Resp: 82478

Ion	Ratio	Lower	Upper
106	100		
91	215.3	108.4	325.2

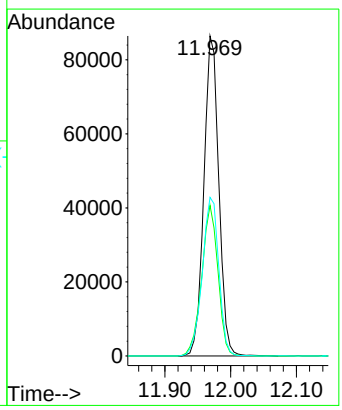


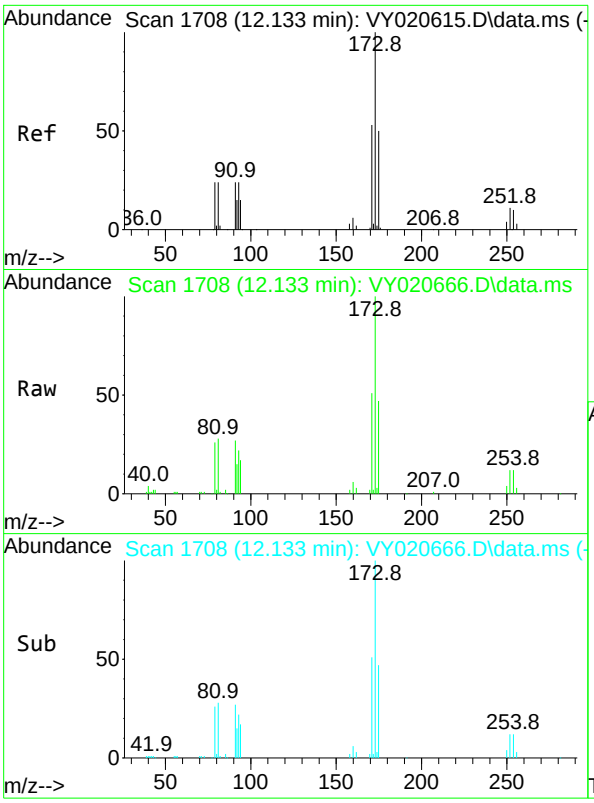


#70
Styrene
Concen: 21.974 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:104 Resp: 136494

Ion	Ratio	Lower	Upper
104	100		
78	51.3	41.6	62.4
103	54.9	43.7	65.5



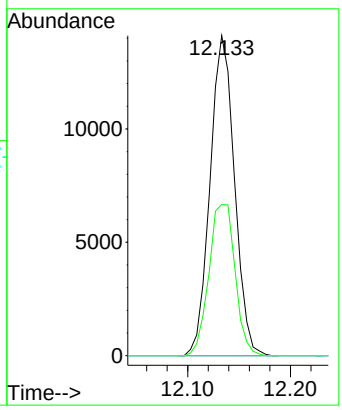


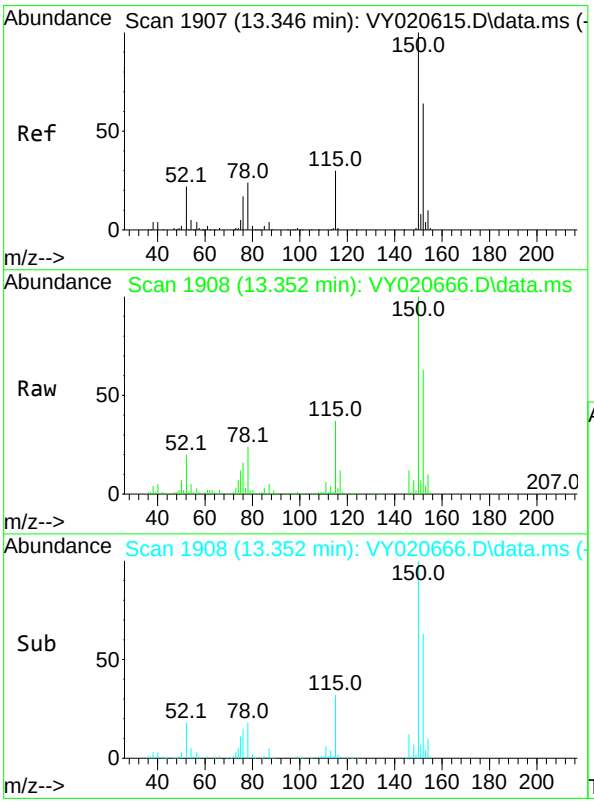
#71
Bromoform
Concen: 20.889 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion:173 Resp: 23329

Ion	Ratio	Lower	Upper
173	100		
175	50.7	24.6	74.0
254	0.0	0.0	0.0

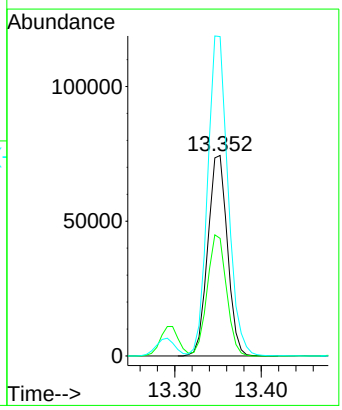


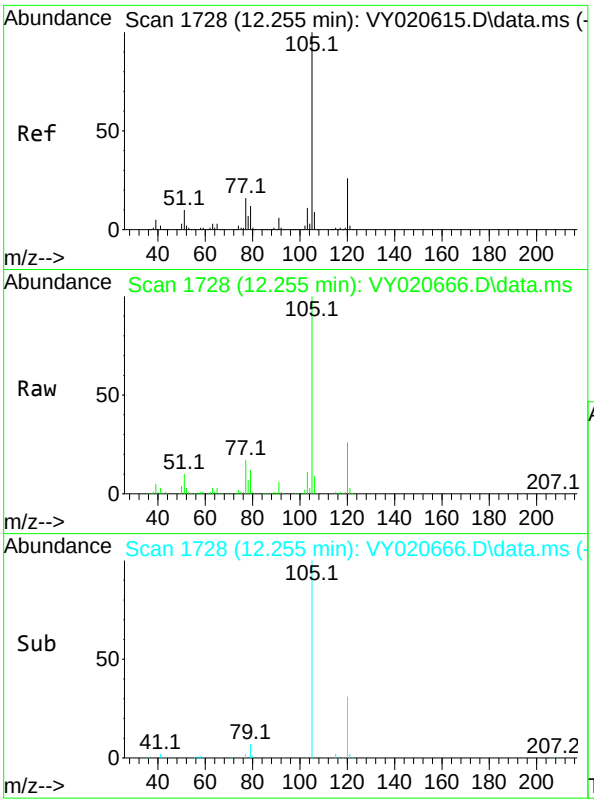


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:152 Resp: 116933

Ion	Ratio	Lower	Upper
152	100		
115	59.5	30.2	90.6
150	165.3	0.0	355.4



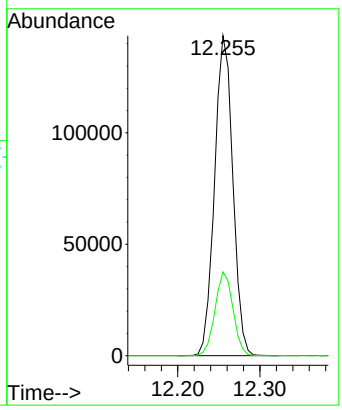


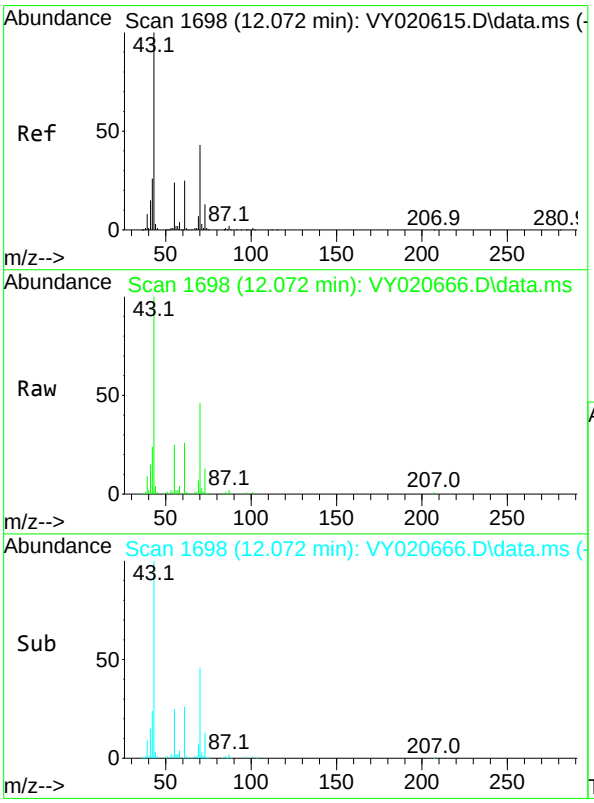
#73
Isopropylbenzene
Concen: 21.727 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion:105 Resp: 221703

Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.1	39.1

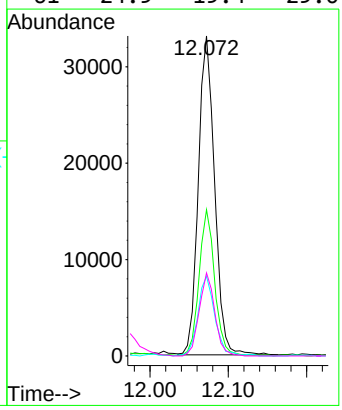


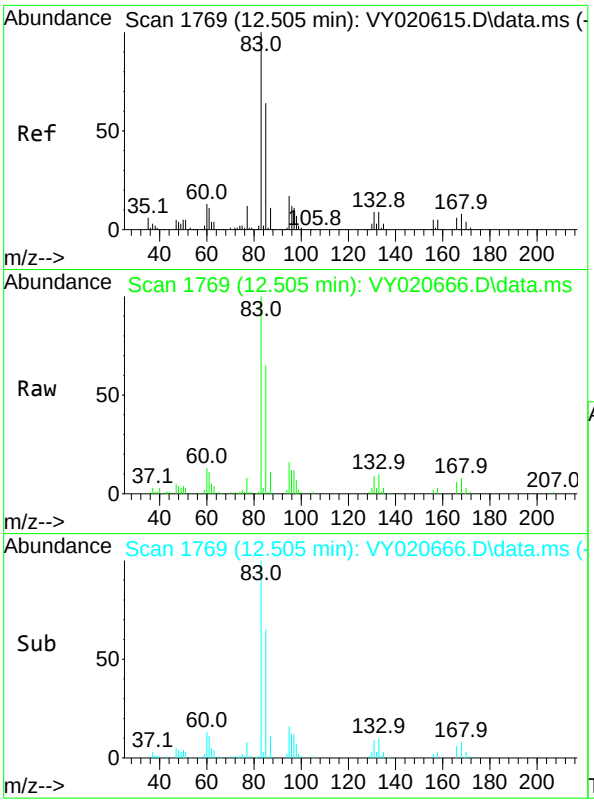


#74
N-amyl acetate
Concen: 20.036 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 43 Resp: 47848

Ion	Ratio	Lower	Upper
43	100		
70	44.5	34.2	51.2
55	26.1	19.6	29.4
61	24.9	19.4	29.0



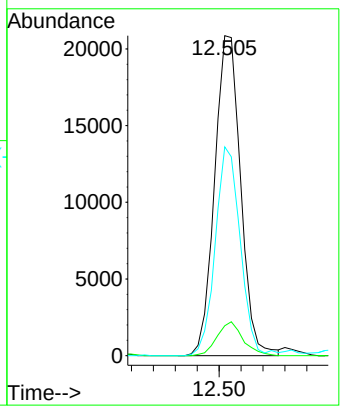


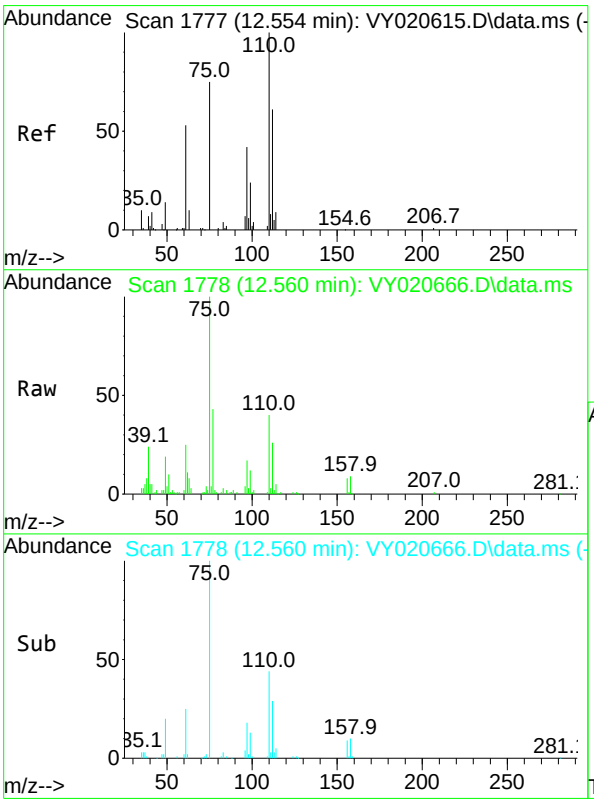
#75
1,1,2,2-Tetrachloroethane
Concen: 20.778 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 83 Resp: 34416

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	62.7	32.5	97.4

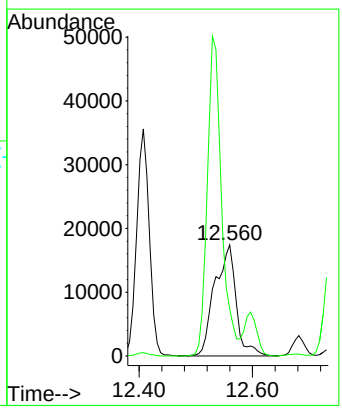


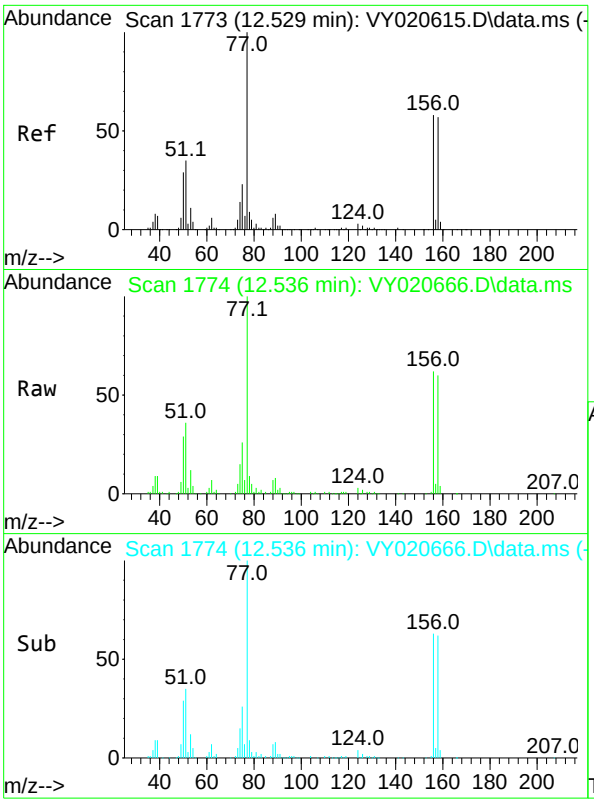


#76
1,2,3-Trichloropropane
Concen: 37.617 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 75 Resp: 45694

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



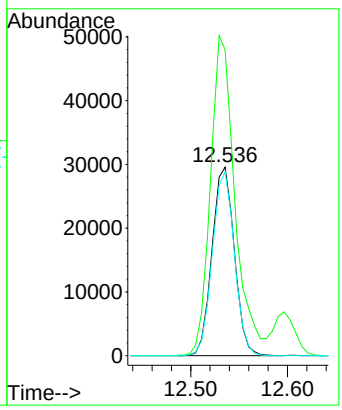


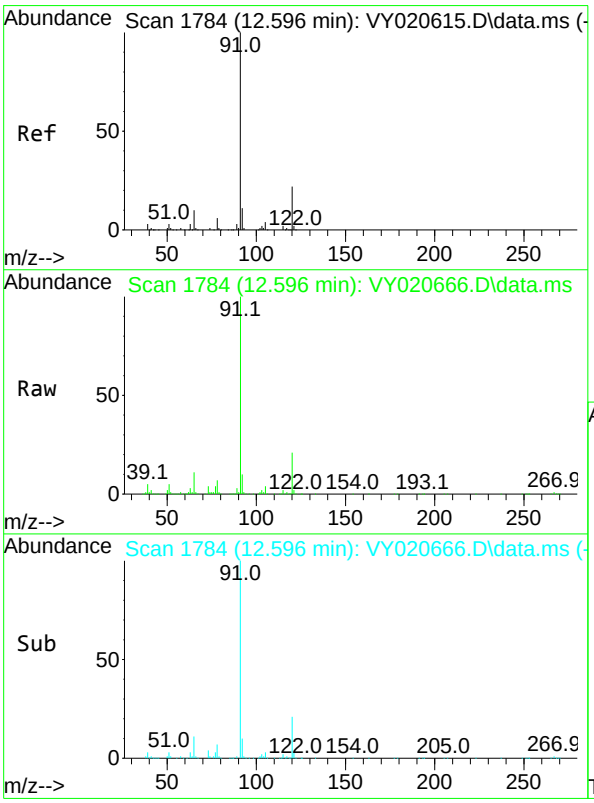
#77
Bromobenzene
Concen: 21.282 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion:156 Resp: 47306

Ion	Ratio	Lower	Upper
156	100		
77	185.1	94.2	282.4
158	96.5	48.9	146.6

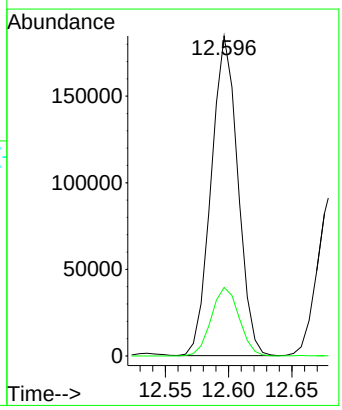


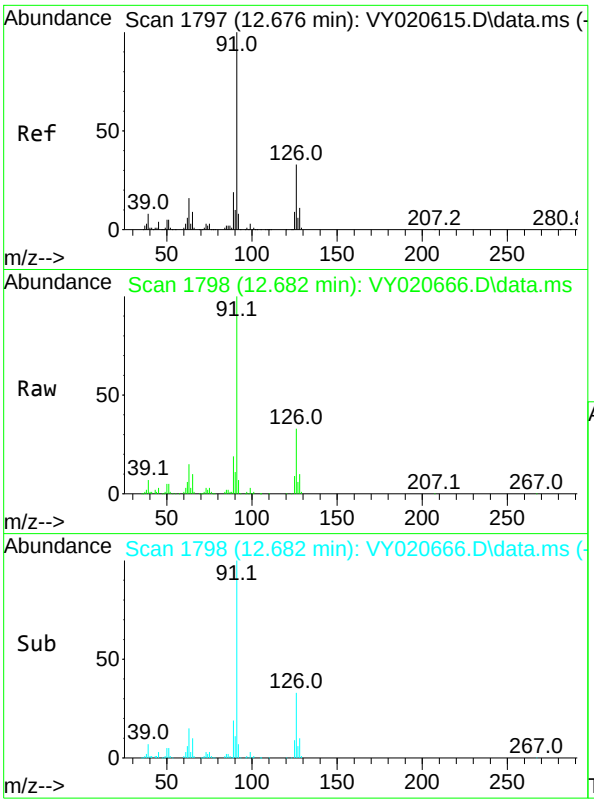


#78
n-propylbenzene
Concen: 21.981 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 91 Resp: 270238

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1



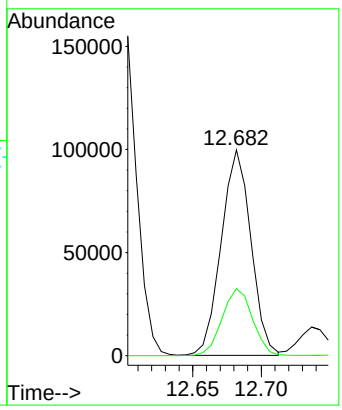


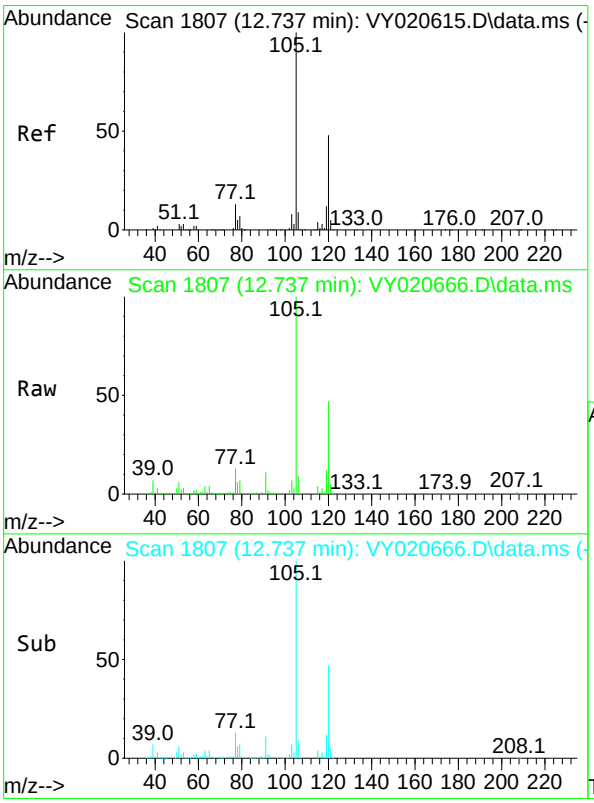
#79
2-Chlorotoluene
Concen: 21.727 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 91 Resp: 150281

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.6	49.7

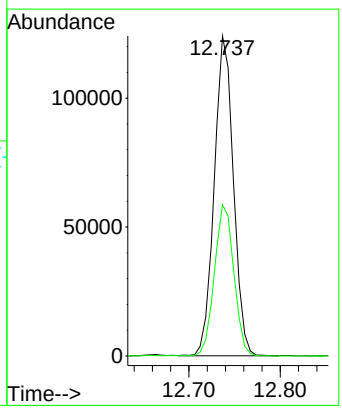


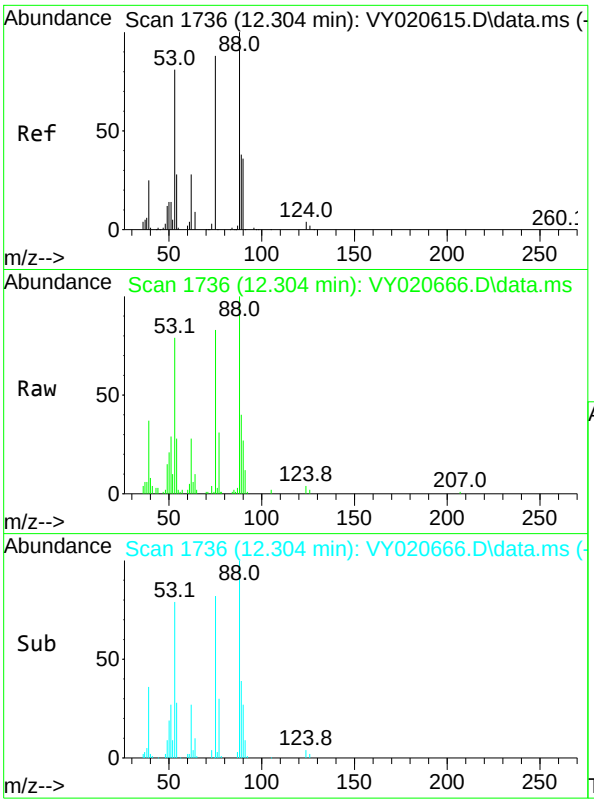


#80
1,3,5-Trimethylbenzene
Concen: 21.827 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:105 Resp: 180725

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.9	71.7



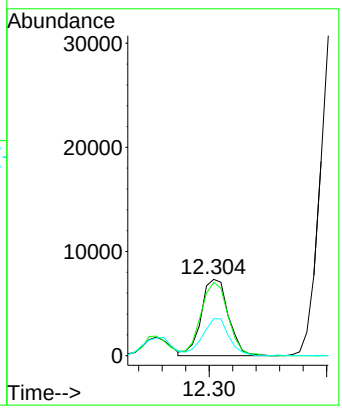


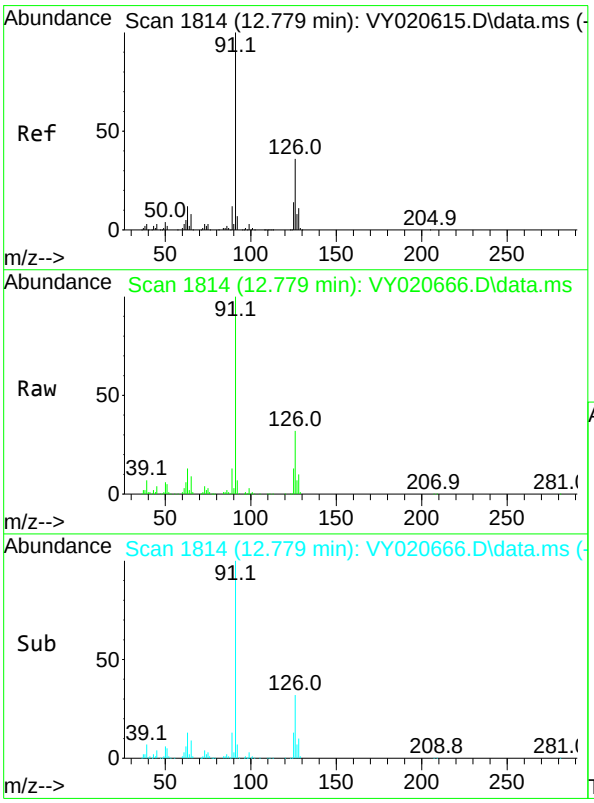
#81
trans-1,4-Dichloro-2-butene
Concen: 20.297 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 75 Resp: 11746

Ion	Ratio	Lower	Upper
75	100		
53	95.4	75.4	113.2
89	46.6	37.0	55.4

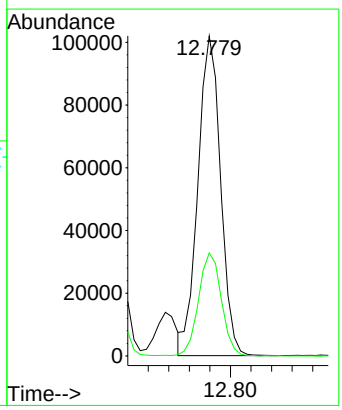


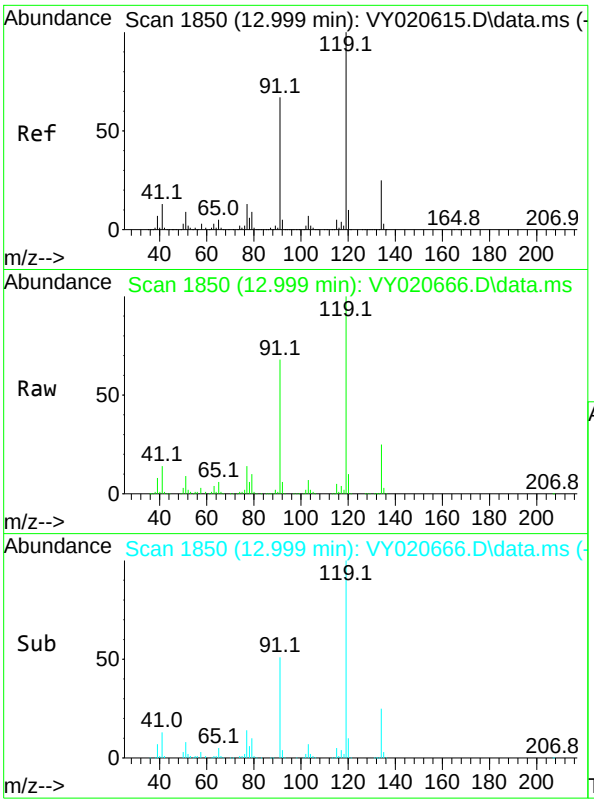


#82
4-Chlorotoluene
Concen: 21.784 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 91 Resp: 156322

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.6	49.7



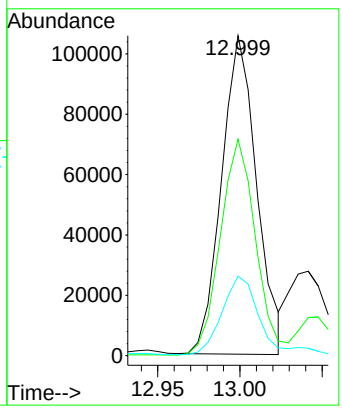


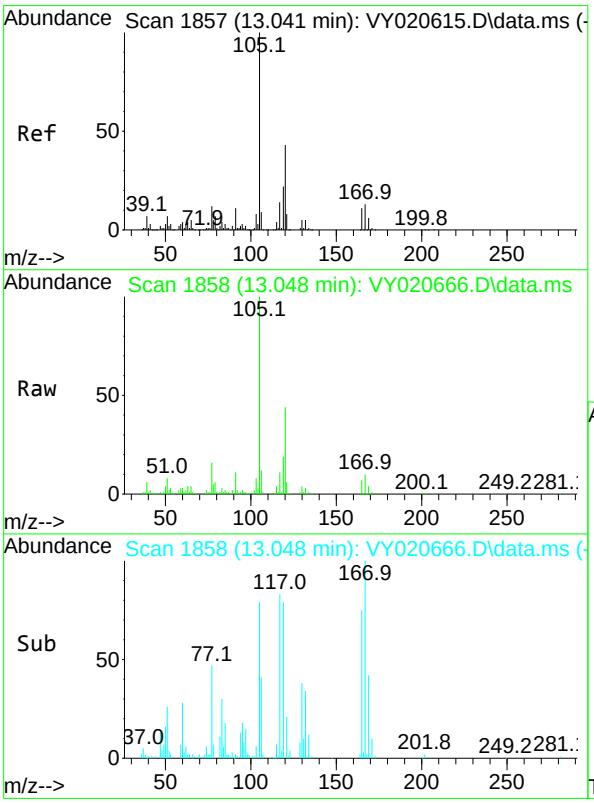
#83
tert-Butylbenzene
Concen: 20.934 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion:119 Resp: 156978

Ion	Ratio	Lower	Upper
119	100		
91	68.0	32.9	98.6
134	27.6	13.1	39.1

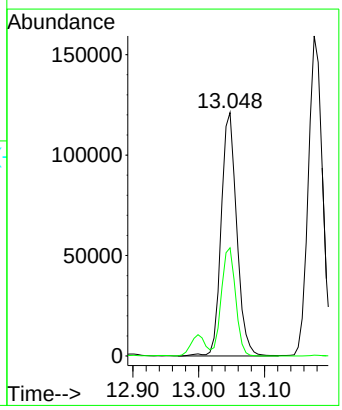


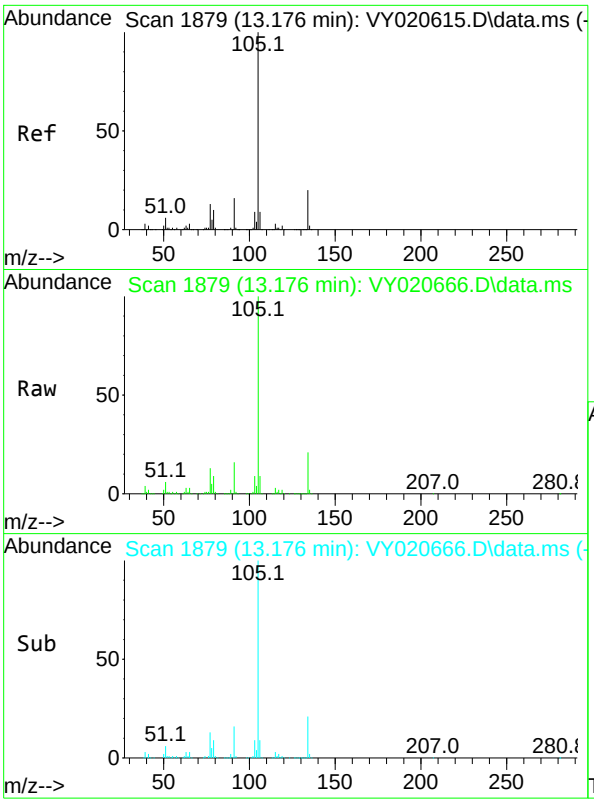


#84
1,2,4-Trimethylbenzene
Concen: 24.542 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:105 Resp: 199323

Ion	Ratio	Lower	Upper
105	100		
120	40.6	21.8	65.4



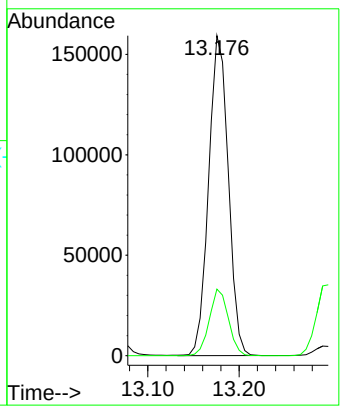


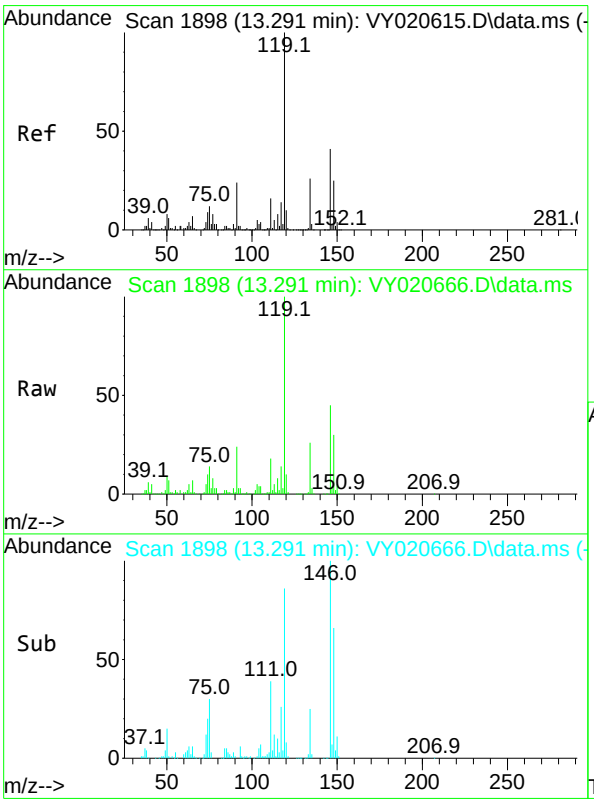
#85
sec-Butylbenzene
Concen: 21.761 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion:105 Resp: 237258

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0

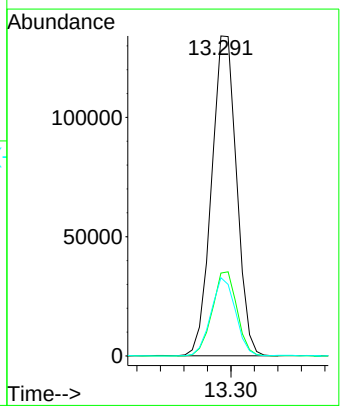


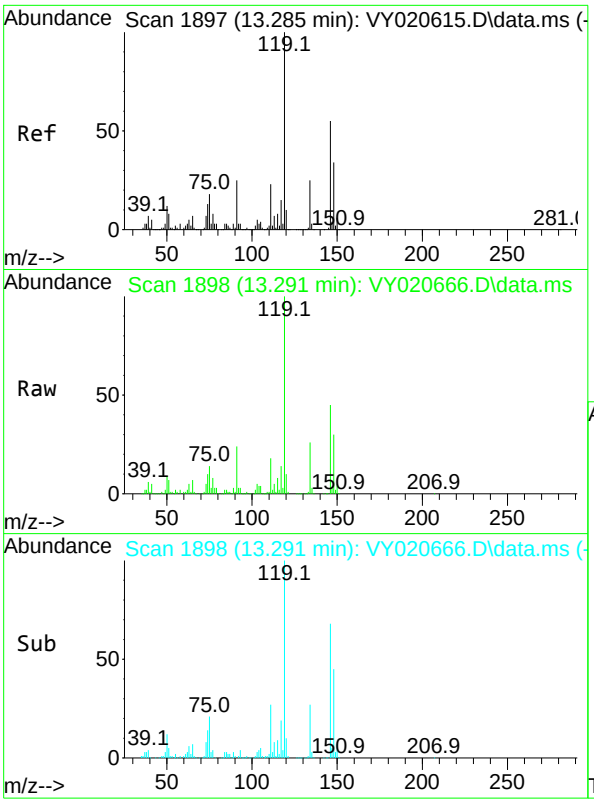


#86
p-Isopropyltoluene
Concen: 22.057 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:119 Resp: 198272

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.9	38.6
91	24.1	12.1	36.3



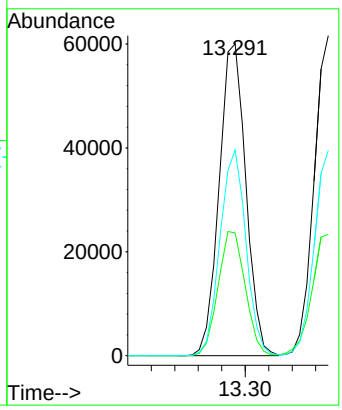


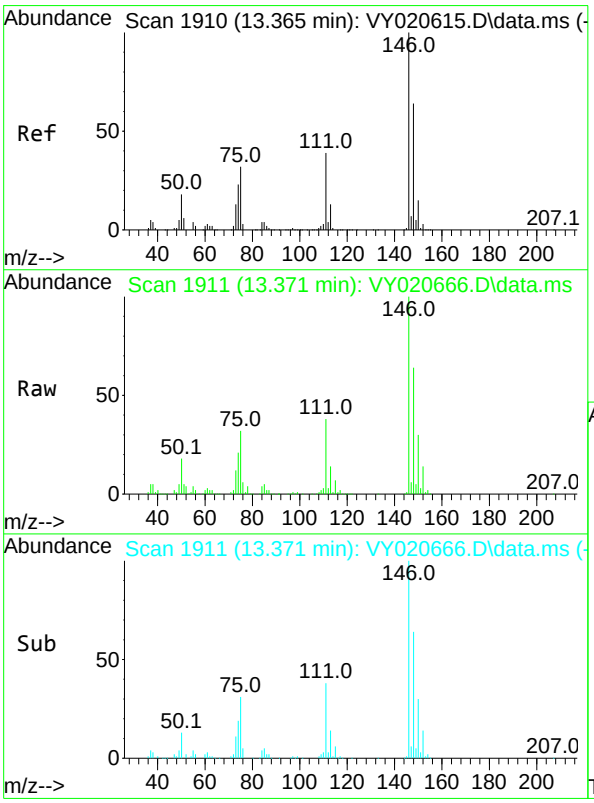
#87
1,3-Dichlorobenzene
Concen: 21.610 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion:146 Resp: 94820

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.6	61.8
148	64.1	31.4	94.0

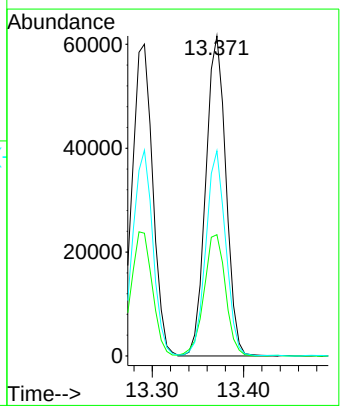


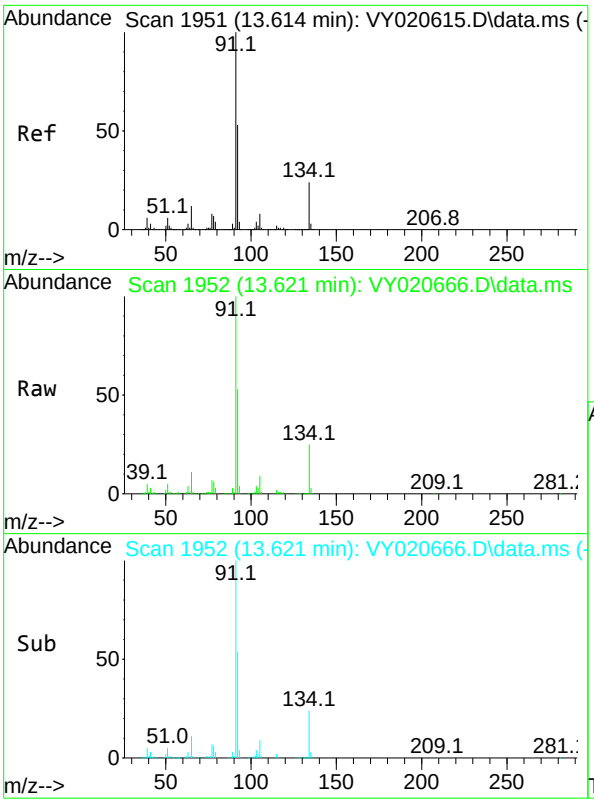


#88
1,4-Dichlorobenzene
Concen: 21.648 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:146 Resp: 94077

Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.6	58.7
148	62.8	31.9	95.5



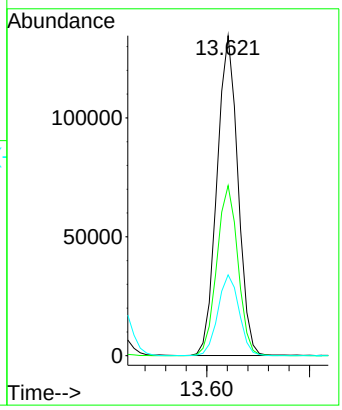


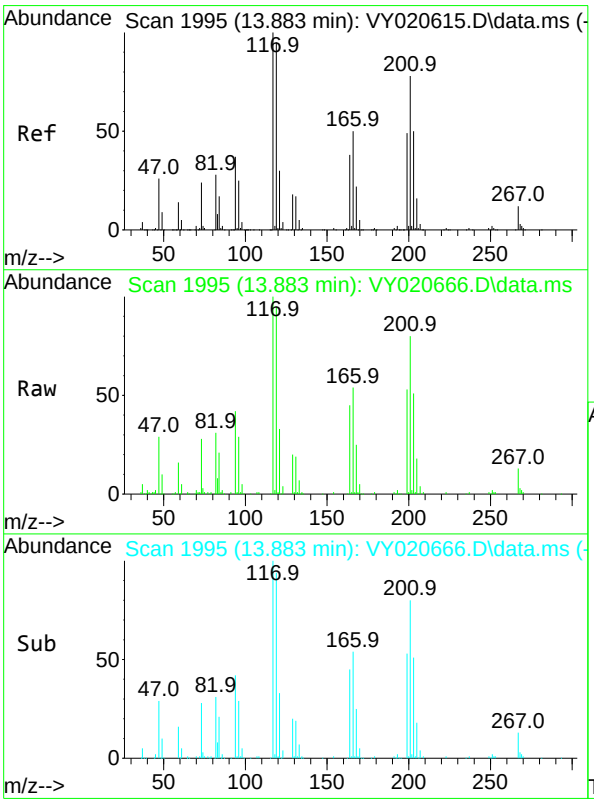
#89
n-Butylbenzene
Concen: 22.293 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion: 91 Resp: 189919

Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.8	80.4
134	25.6	12.5	37.5

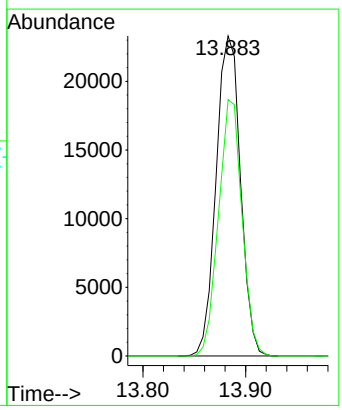


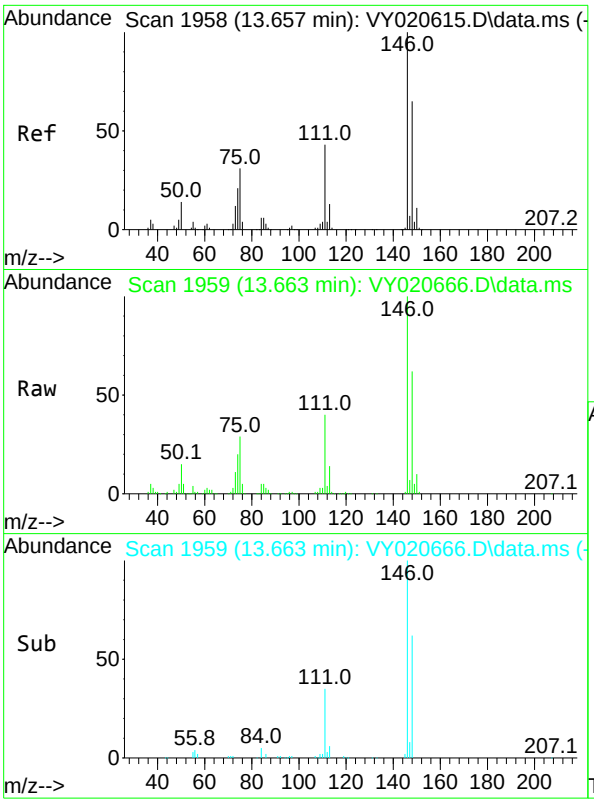


#90
Hexachloroethane
Concen: 21.500 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:117 Resp: 38301

Ion	Ratio	Lower	Upper
117	100		
201	77.4	39.1	117.3



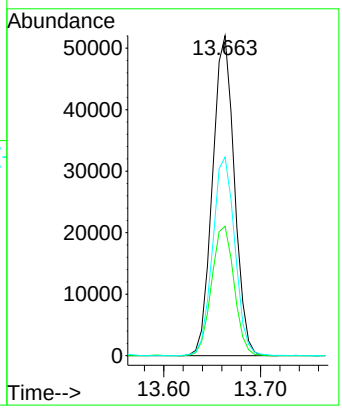


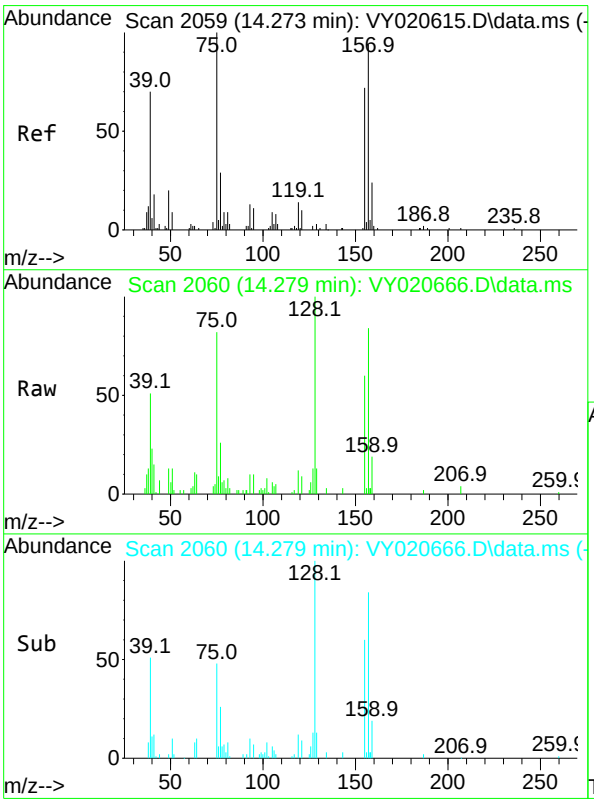
#91
1,2-Dichlorobenzene
Concen: 21.456 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion:146 Resp: 81571

Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.3	63.7
148	63.7	32.0	96.0

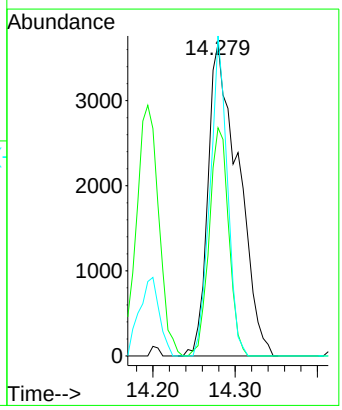


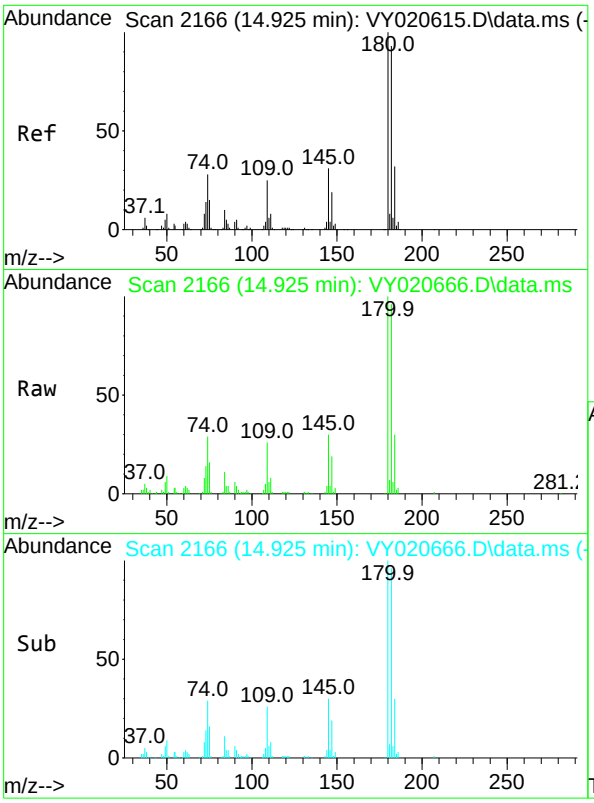


#92
1,2-Dibromo-3-Chloropropane
Concen: 35.007 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion: 75 Resp: 9414

Ion	Ratio	Lower	Upper
75	100		
155	46.9	41.1	123.3
157	58.3	52.9	158.8



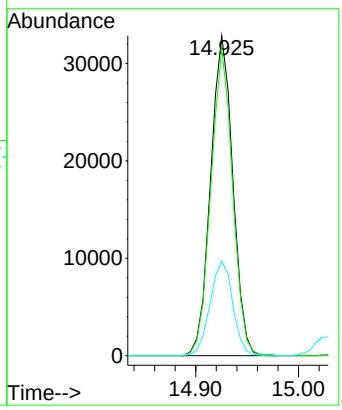


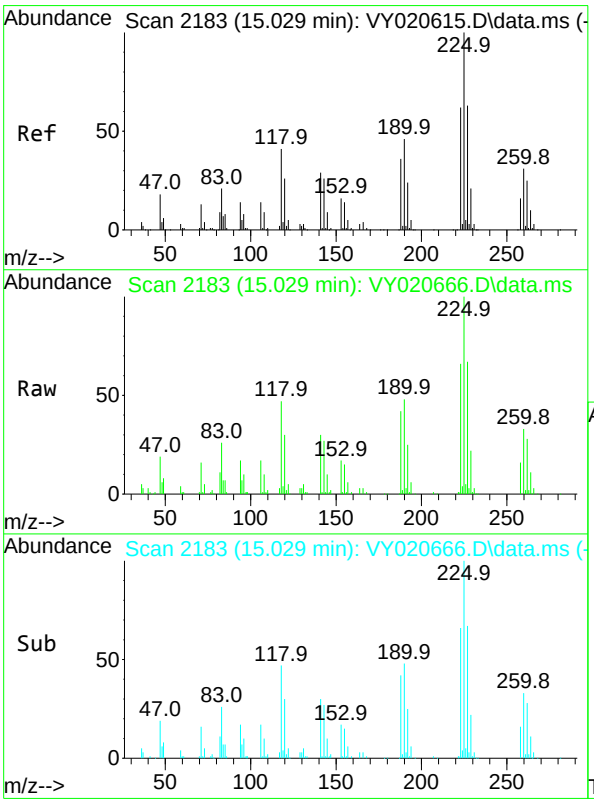
#93
1,2,4-Trichlorobenzene
Concen: 21.424 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion:180 Resp: 49266

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.9	143.6
145	30.2	15.6	46.7

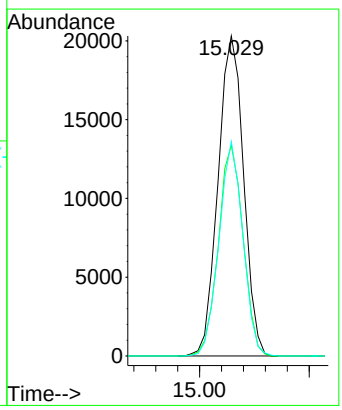


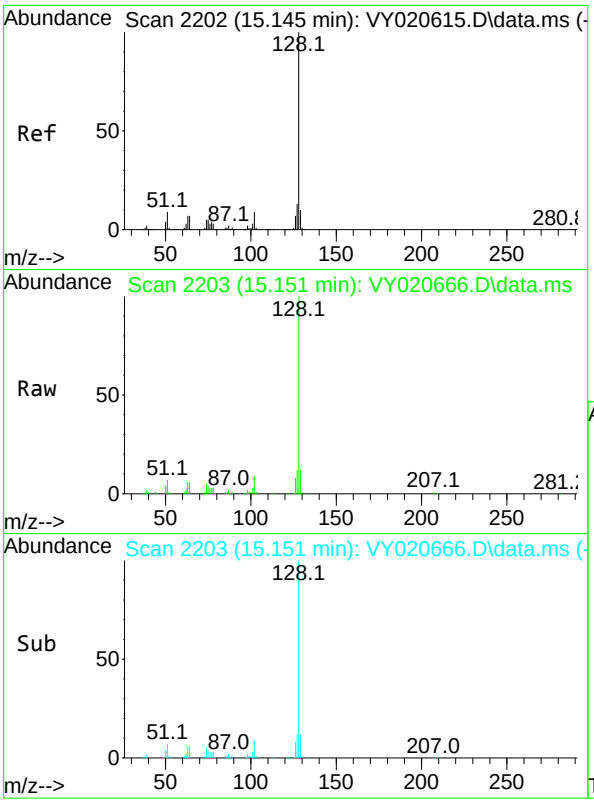


#94
Hexachlorobutadiene
Concen: 21.854 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:225 Resp: 32852

Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.8	95.3
227	62.7	32.2	96.6



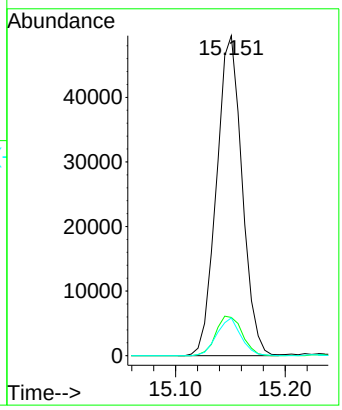


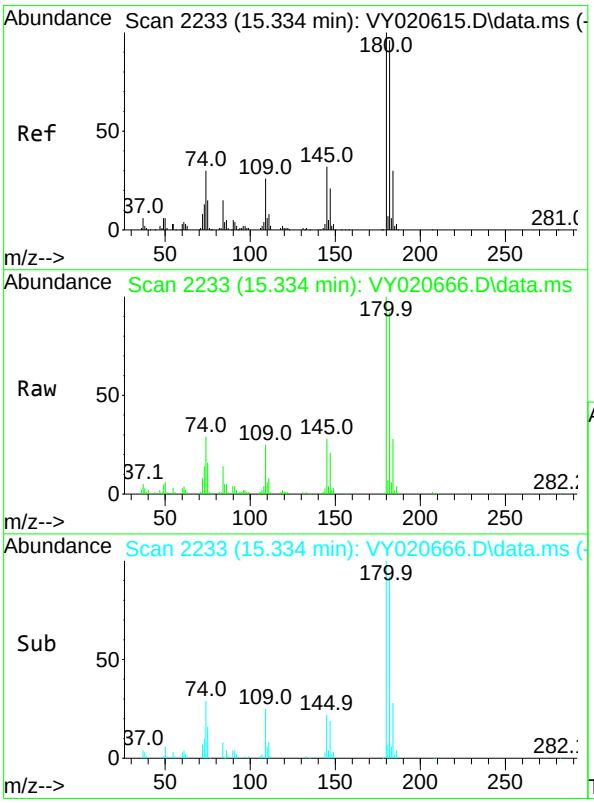
#95
Naphthalene
Concen: 20.350 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBS01

Tgt Ion:128 Resp: 80228

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.7	16.1
129	11.1	8.5	12.7

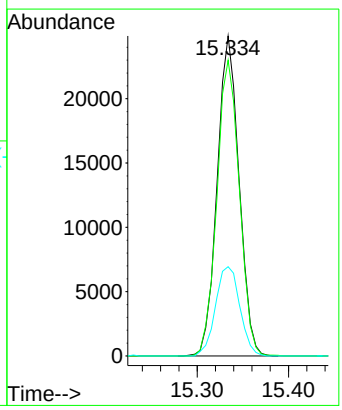




#96
1,2,3-Trichlorobenzene
Concen: 21.307 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY020666.D
Acq: 20 Dec 2024 13:12

Tgt Ion:180 Resp: 41397

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.3	141.9
145	31.0	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020667.D
Acq On : 20 Dec 2024 13:34
Operator : SY/MD
Sample : VY1220SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Quant Time: Dec 20 18:08:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	154597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	238791	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	207851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	118816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	89782	53.026	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.060%			
35) Dibromofluoromethane	7.634	113	87467	51.973	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.940%			
50) Toluene-d8	10.103	98	317644	53.924	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.840%			
62) 4-Bromofluorobenzene	12.408	95	118853	51.581	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 103.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	46183	23.917	ug/l	100
3) Chloromethane	2.068	50	26136	18.267	ug/l	96
4) Vinyl Chloride	2.202	62	20627	15.490	ug/l	99
5) Bromomethane	2.592	94	12936	15.112	ug/l	98
6) Chloroethane	2.733	64	11953	14.525	ug/l	98
7) Trichlorofluoromethane	3.062	101	46655	16.744	ug/l	96
8) Diethyl Ether	3.458	74	13711	14.031	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.818	101	28315	14.177	ug/l	98
10) Methyl Iodide	4.007	142	32674	14.694	ug/l	92
11) Tert butyl alcohol	4.854	59	14349	55.423	ug/l	95
12) 1,1-Dichloroethene	3.793	96	27039	13.953	ug/l	87
13) Acrolein	3.659	56	5532	69.097	ug/l	96
14) Allyl chloride	4.385	41	39213	11.548	ug/l	90
15) Acrylonitrile	5.055	53	29353	62.786	ug/l	99
16) Acetone	3.873	43	20534	56.052	ug/l #	88
17) Carbon Disulfide	4.104	76	88129	13.971	ug/l	97
18) Methyl Acetate	4.391	43	13712	11.903	ug/l	92
19) Methyl tert-butyl Ether	5.122	73	71311	14.257	ug/l	93
20) Methylene Chloride	4.616	84	28001	13.301	ug/l	91
21) trans-1,2-Dichloroethene	5.116	96	30978	14.251	ug/l	88
22) Diisopropyl ether	6.025	45	96975	14.069	ug/l	94
23) Vinyl Acetate	5.964	43	267947	68.637	ug/l #	94
24) 1,1-Dichloroethane	5.921	63	56185	13.914	ug/l	97
25) 2-Butanone	6.896	43	57567	91.487	ug/l	95
26) 2,2-Dichloropropane	6.884	77	71251	18.666	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	47563	19.017	ug/l	99
28) Bromochloromethane	7.250	49	21651	15.896	ug/l	96
29) Tetrahydrofuran	7.262	42	39939	100.545	ug/l	98
30) Chloroform	7.421	83	86753	18.008	ug/l	98
31) Cyclohexane	7.701	56	82760	21.435	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	78587	21.184	ug/l	100
36) 1,1-Dichloropropene	7.835	75	67576	22.021	ug/l	100
37) Ethyl Acetate	6.982	43	27819	19.272	ug/l	100
38) Carbon Tetrachloride	7.817	117	75478	22.231	ug/l	94
39) Methylcyclohexane	9.109	83	85612	21.405	ug/l	96
40) Benzene	8.079	78	198978	22.121	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020667.D
Acq On : 20 Dec 2024 13:34
Operator : SY/MD
Sample : VY1220SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Quant Time: Dec 20 18:08:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.256	41	38449	50.383	ug/l	#	19
42) 1,2-Dichloroethane	8.158	62	52790	22.128	ug/l		99
43) Isopropyl Acetate	8.195	43	61389	22.464	ug/l	#	88
44) Trichloroethene	8.866	130	49726	22.498	ug/l		96
45) 1,2-Dichloropropane	9.140	63	47049	22.380	ug/l		100
46) Dibromomethane	9.231	93	24740	22.268	ug/l		99
47) Bromodichloromethane	9.420	83	65935	21.970	ug/l		99
48) Methyl methacrylate	9.219	41	28515	21.949	ug/l		99
49) 1,4-Dioxane	9.225	88	5646	443.123	ug/l		94
51) 4-Methyl-2-Pentanone	10.000	43	156324	108.373	ug/l		99
52) Toluene	10.170	92	123673	22.124	ug/l		98
53) t-1,3-Dichloropropene	10.390	75	60417	21.605	ug/l		95
54) cis-1,3-Dichloropropene	9.853	75	72340	21.830	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	32853	22.365	ug/l		99
56) Ethyl methacrylate	10.438	69	46933	22.024	ug/l		97
57) 1,3-Dichloropropane	10.713	76	57877	22.103	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.707	63	89896	100.257	ug/l		99
59) 2-Hexanone	10.762	43	102848	111.052	ug/l		100
60) Dibromochloromethane	10.908	129	43570	22.179	ug/l		100
61) 1,2-Dibromoethane	11.012	107	31084	22.750	ug/l		98
64) Tetrachloroethene	10.646	164	43165	22.078	ug/l		96
65) Chlorobenzene	11.438	112	129936	22.358	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.518	131	45362	22.826	ug/l		99
67) Ethyl Benzene	11.518	91	236674	22.074	ug/l		99
68) m/p-Xylenes	11.627	106	176607	44.301	ug/l		99
69) o-Xylene	11.957	106	82303	22.127	ug/l		98
70) Styrene	11.969	104	138486	22.284	ug/l		98
71) Bromoform	12.133	173	25202	22.556	ug/l	#	99
73) Isopropylbenzene	12.255	105	223291	21.536	ug/l		100
74) N-amyl acetate	12.072	43	54037	22.269	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	37121	22.056	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	50195	40.668	ug/l	#	100
77) Bromobenzene	12.530	156	48228	21.353	ug/l		96
78) n-propylbenzene	12.597	91	267926	21.448	ug/l		100
79) 2-Chlorotoluene	12.676	91	151653	21.578	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	182355	21.675	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	12691	21.583	ug/l		96
82) 4-Chlorotoluene	12.780	91	158267	21.706	ug/l		99
83) tert-Butylbenzene	12.999	119	162779	21.364	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	180211	21.837	ug/l		99
85) sec-Butylbenzene	13.176	105	238168	21.499	ug/l		100
86) p-Isopropyltoluene	13.292	119	197046	21.573	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	95540	21.429	ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	95023	21.519	ug/l		99
89) n-Butylbenzene	13.621	91	183392	21.186	ug/l		99
90) Hexachloroethane	13.883	117	38132	21.066	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	83132	21.520	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5790	21.190	ug/l		94
93) 1,2,4-Trichlorobenzene	14.926	180	48158	20.610	ug/l		99
94) Hexachlorobutadiene	15.029	225	32056	20.986	ug/l		98
95) Naphthalene	15.145	128	84632	21.127	ug/l		98
96) 1,2,3-Trichlorobenzene	15.334	180	40965	20.750	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020667.D
Acq On : 20 Dec 2024 13:34
Operator : SY/MD
Sample : VY1220SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Quant Time: Dec 20 18:08:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

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

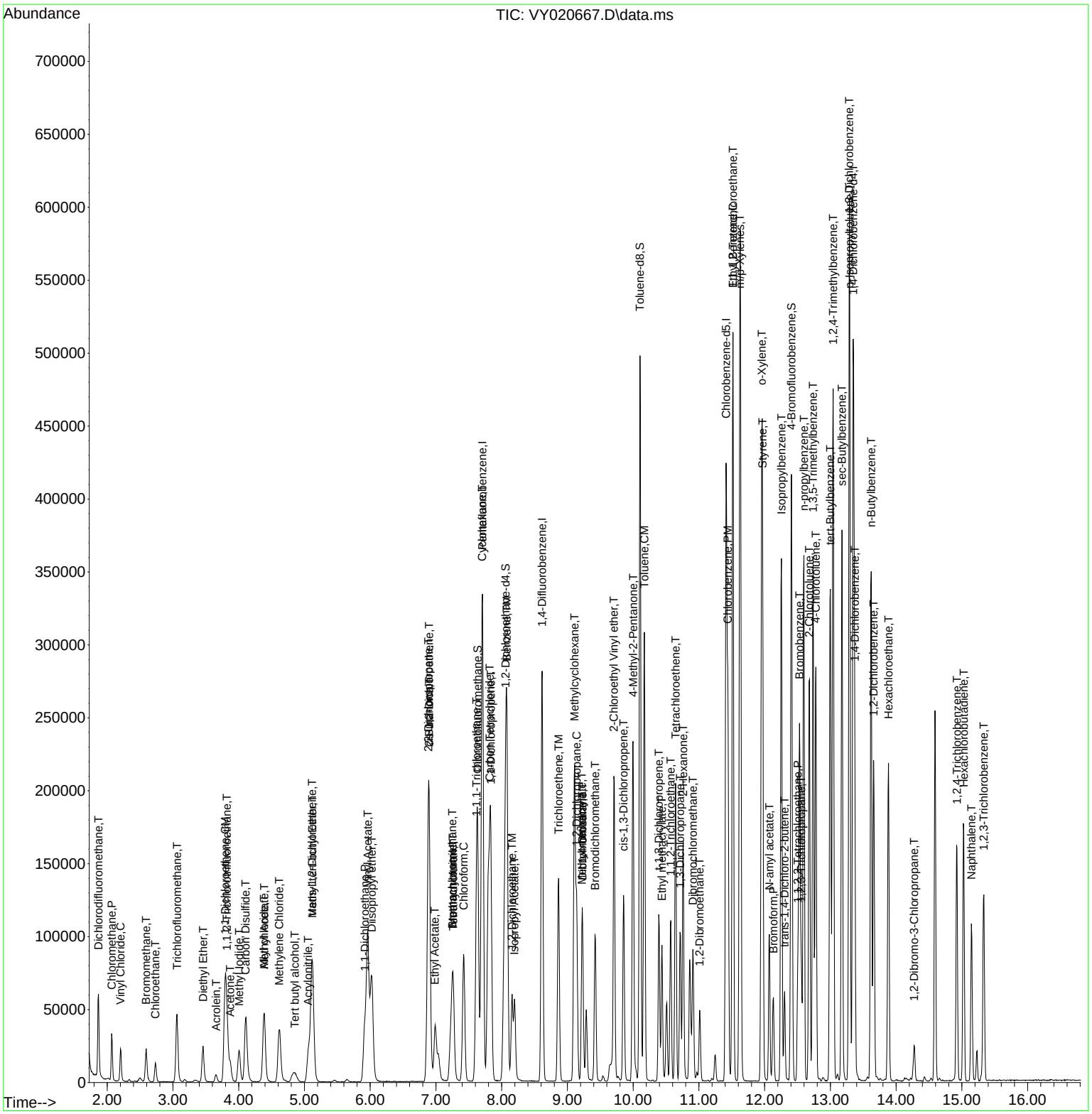
(#) = qualifier out of range (m) = manual integration (+) = signals summed

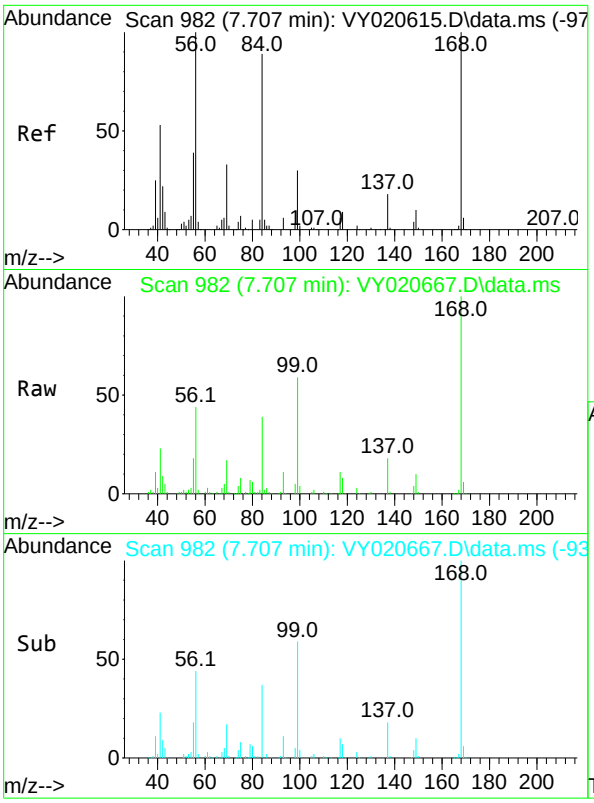
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020667.D
Acq On : 20 Dec 2024 13:34
Operator : SY/MD
Sample : VY1220SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Quant Time: Dec 20 18:08:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration



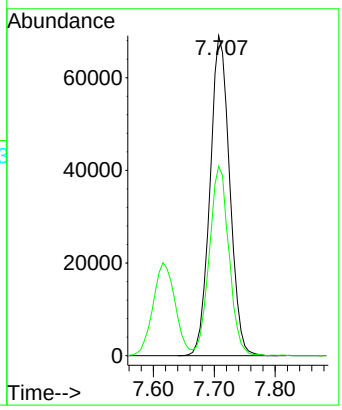


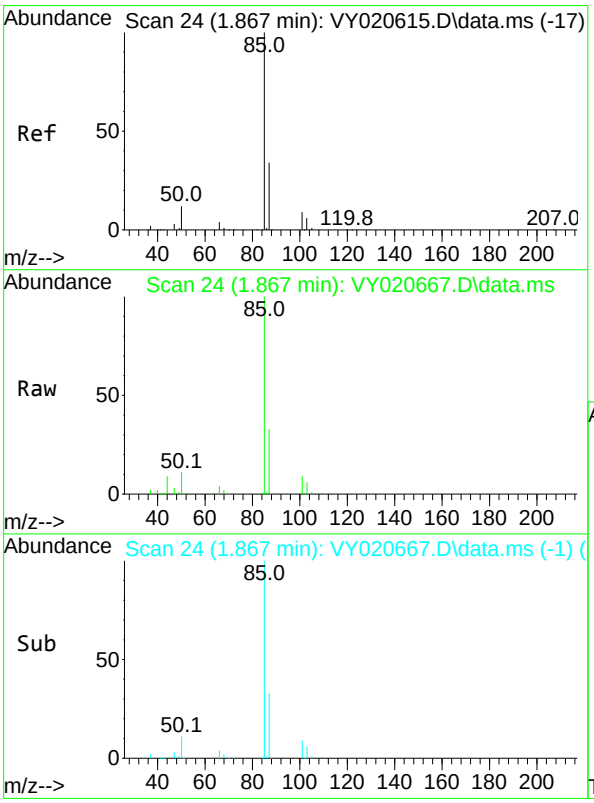
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion:168 Resp: 154597

Ion	Ratio	Lower	Upper
168	100		
99	59.1	47.0	70.6

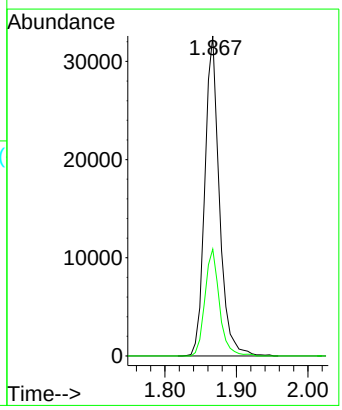


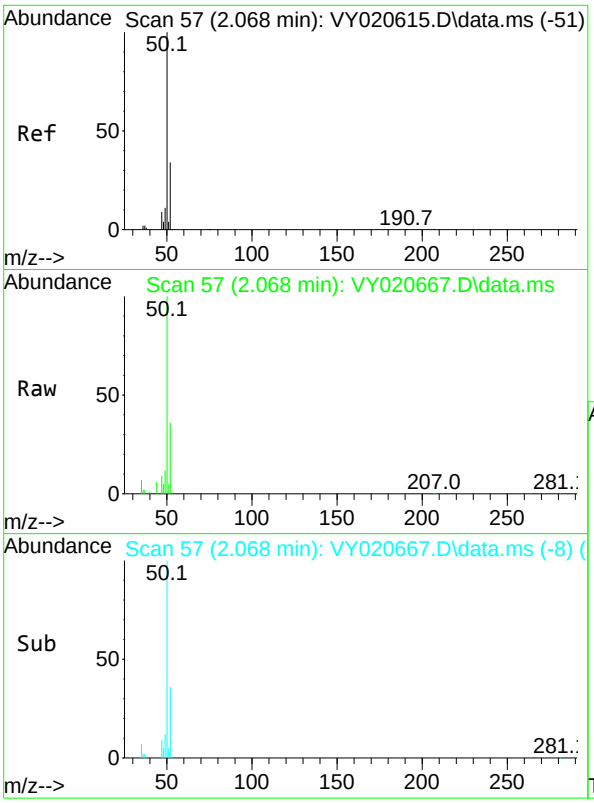


#2
Dichlorodifluoromethane
Concen: 23.917 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 85 Resp: 46183

Ion	Ratio	Lower	Upper
85	100		
87	33.4	16.8	50.3



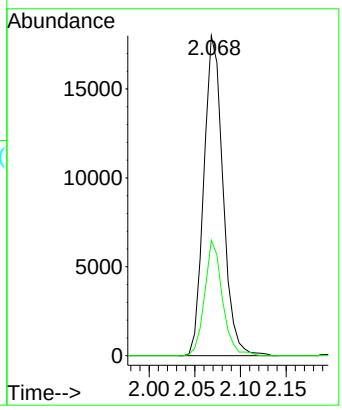


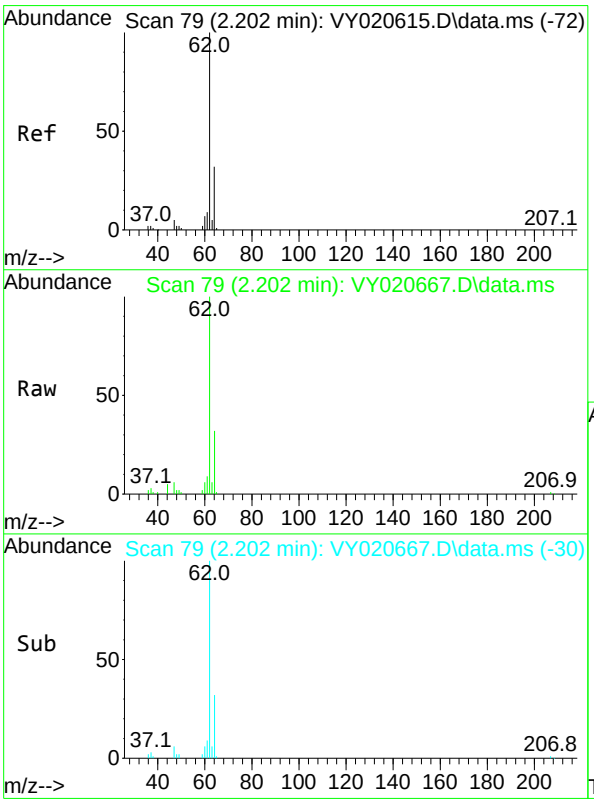
#3
Chloromethane
Concen: 18.267 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 50 Resp: 26136

Ion	Ratio	Lower	Upper
50	100		
52	36.0	26.8	40.2

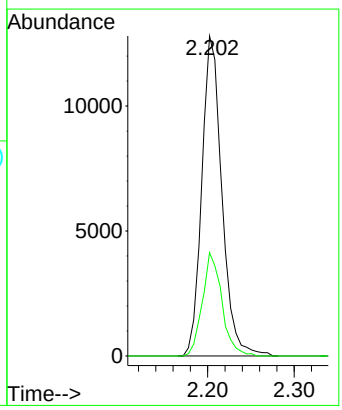


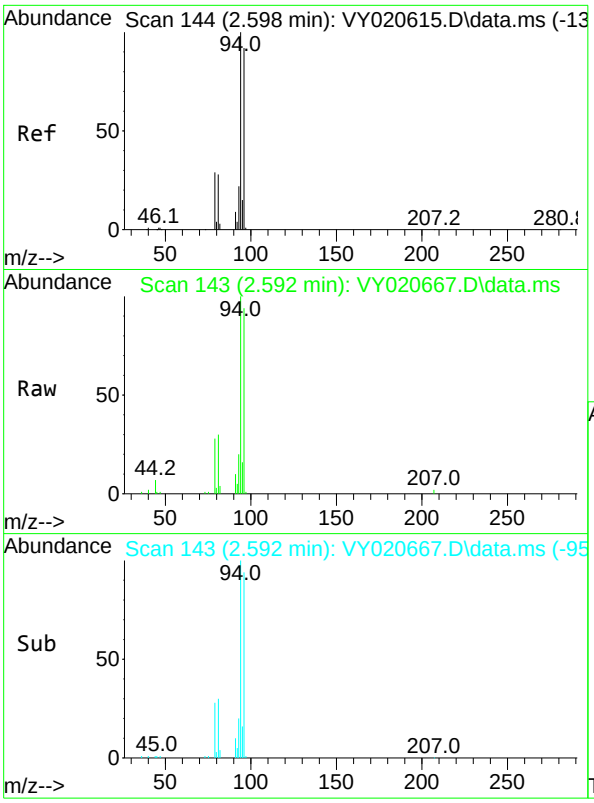


#4
Vinyl Chloride
Concen: 15.490 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 62 Resp: 20627

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.3	37.9



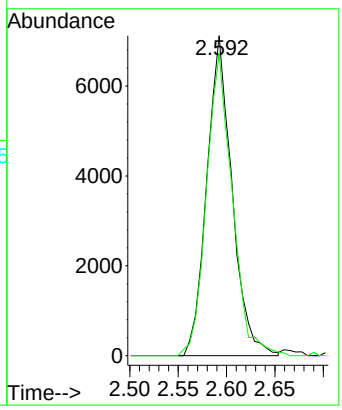


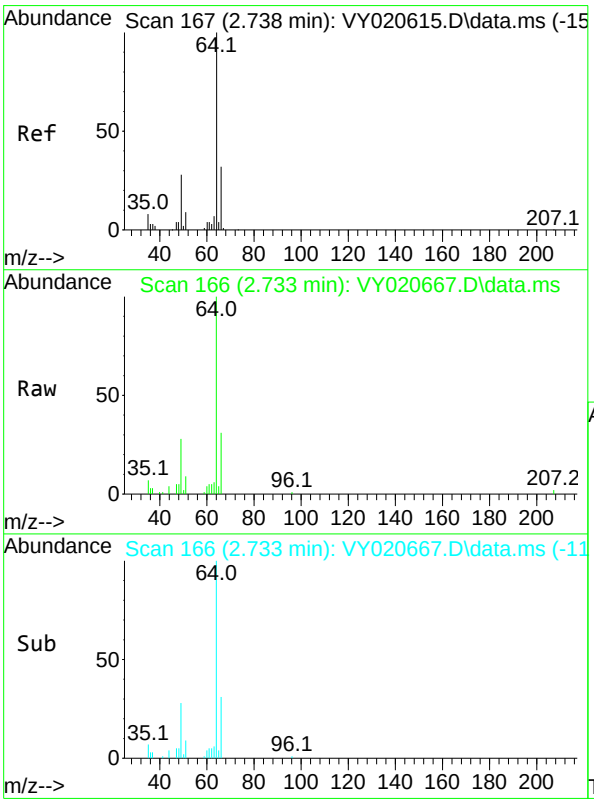
#5
Bromomethane
Concen: 15.112 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 94 Resp: 12936

Ion	Ratio	Lower	Upper
94	100		
96	94.2	73.8	110.6

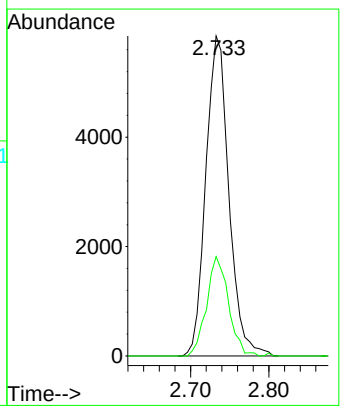


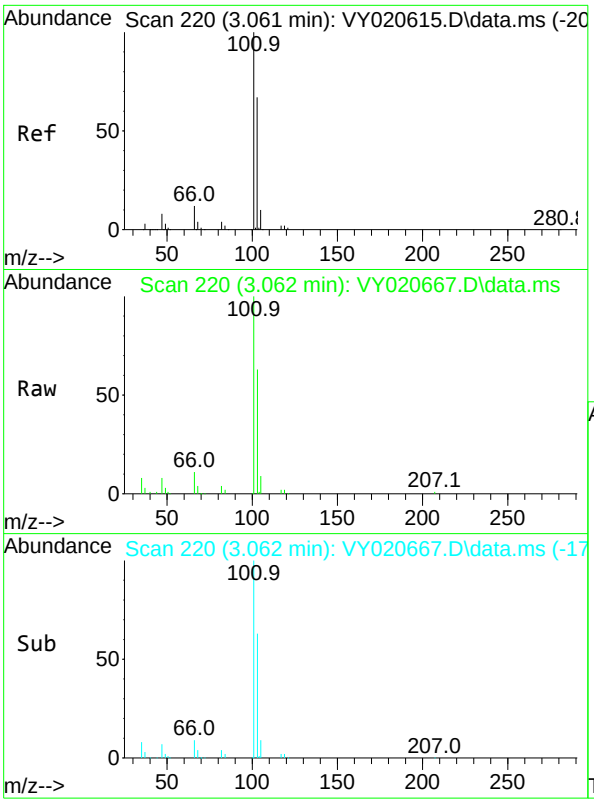


#6
Chloroethane
Concen: 14.525 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 64 Resp: 11953

Ion	Ratio	Lower	Upper
64	100		
66	31.1	25.8	38.6



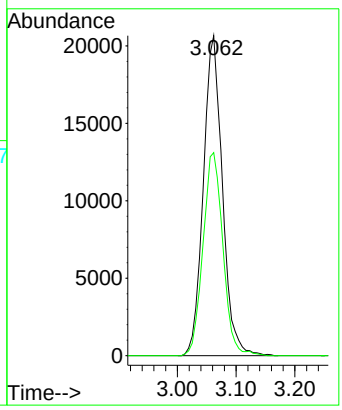


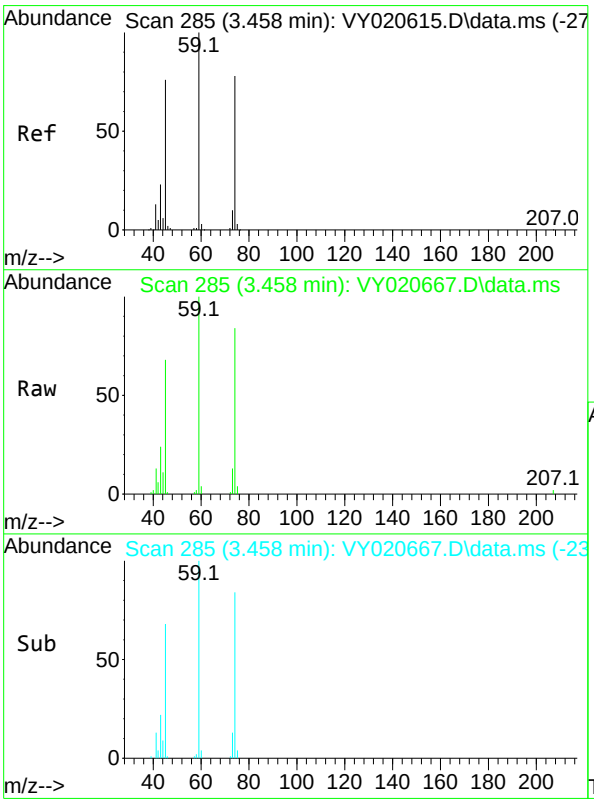
#7
Trichlorofluoromethane
Concen: 16.744 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion:101 Resp: 46655

Ion	Ratio	Lower	Upper
101	100		
103	63.4	53.4	80.0

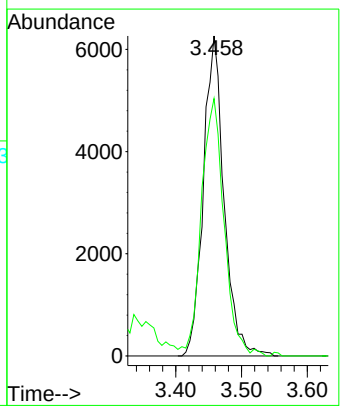


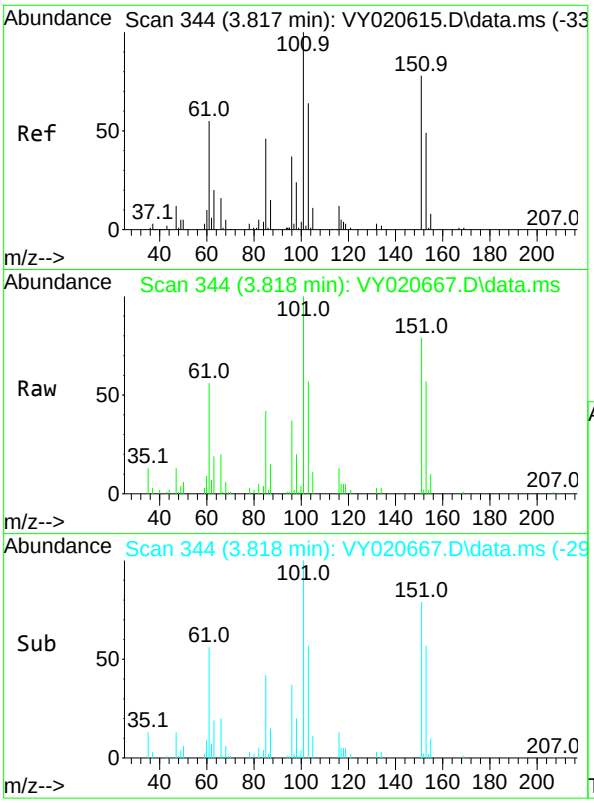


#8
Diethyl Ether
Concen: 14.031 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 74 Resp: 13711

Ion	Ratio	Lower	Upper
74	100		
45	88.1	49.0	147.2



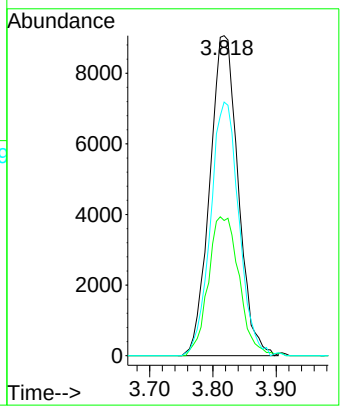


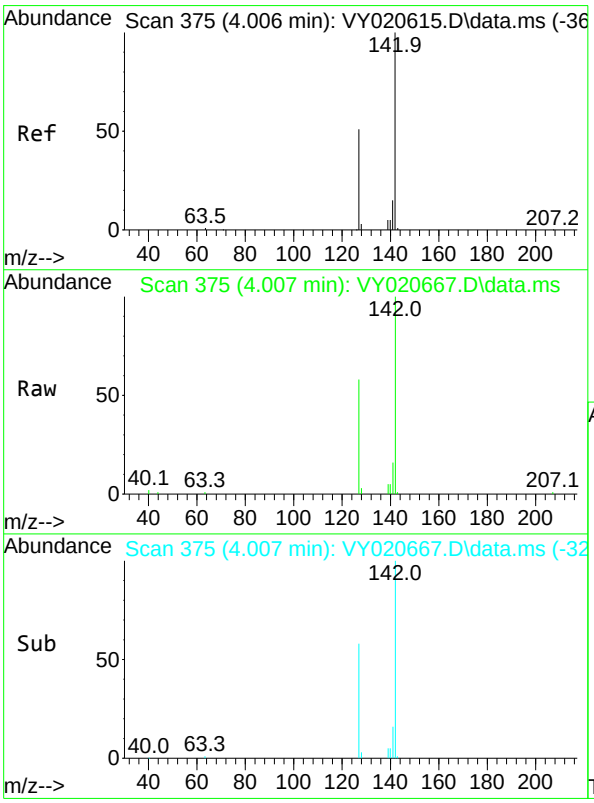
#9
1,1,2-Trichlorotrifluoroethane
Concen: 14.177 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion:101 Resp: 28315

Ion	Ratio	Lower	Upper
101	100		
85	47.0	36.6	54.8
151	79.0	61.5	92.3

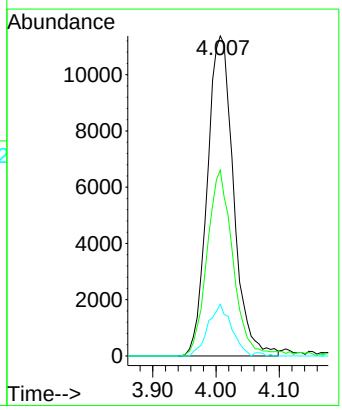


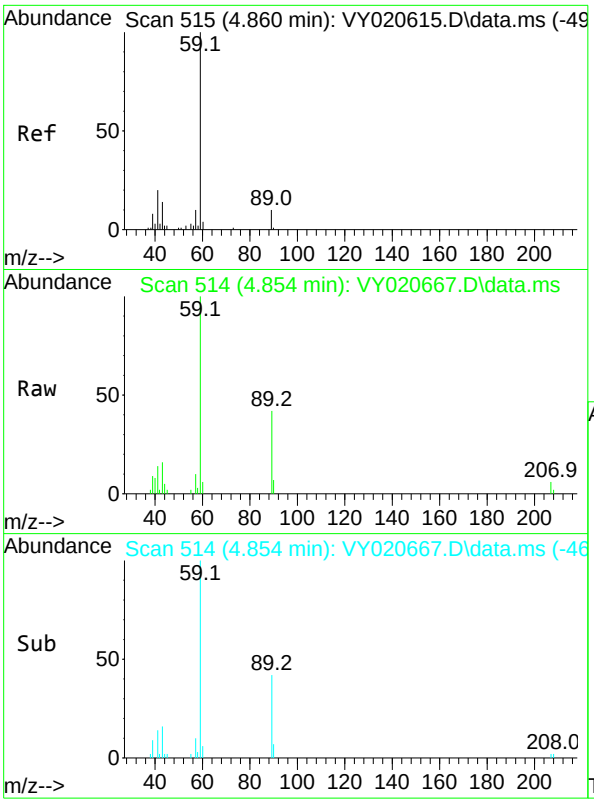


#10
Methyl Iodide
Concen: 14.694 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.001 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion:142 Resp: 32674

Ion	Ratio	Lower	Upper
142	100		
127	57.7	40.6	61.0
141	14.5	11.7	17.5



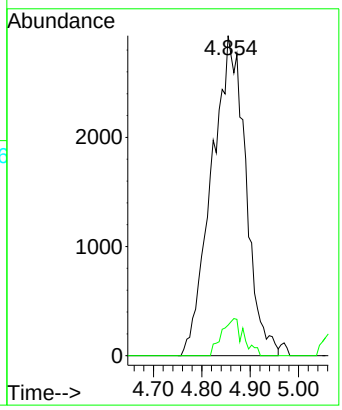


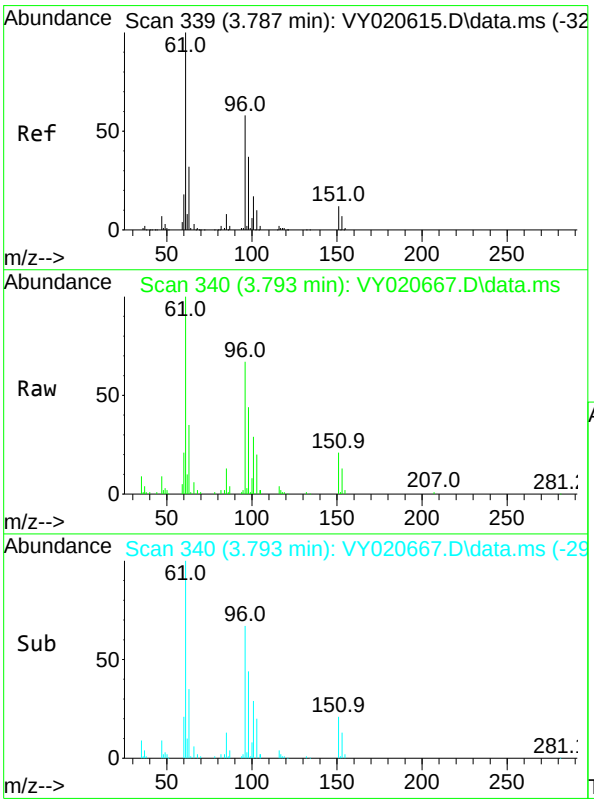
#11
Tert butyl alcohol
Concen: 55.423 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 59 Resp: 14349

Ion	Ratio	Lower	Upper
59	100		
57	7.5	7.4	11.0

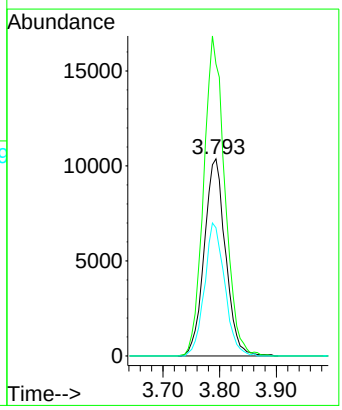


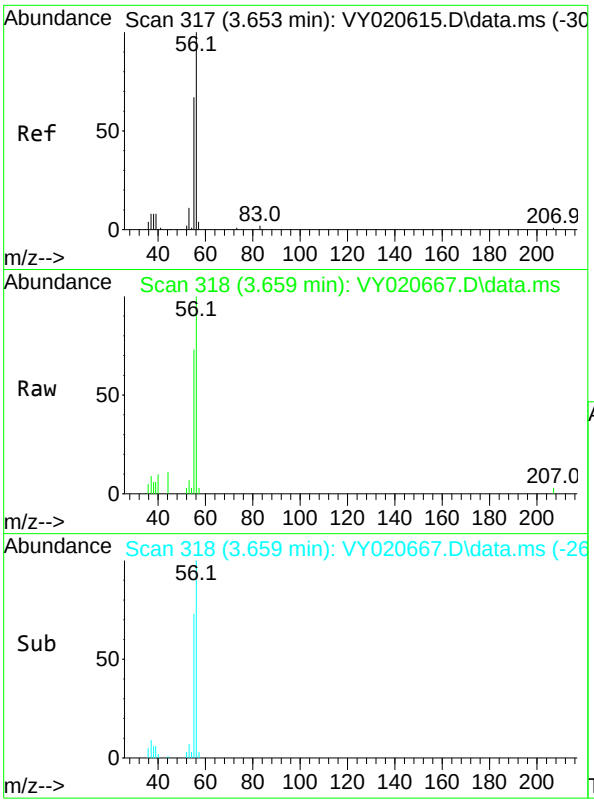


#12
1,1-Dichloroethene
Concen: 13.953 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 96 Resp: 27039

Ion	Ratio	Lower	Upper
96	100		
61	148.2	136.9	205.3
98	65.1	50.2	75.4



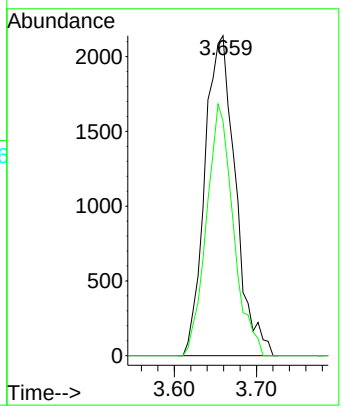


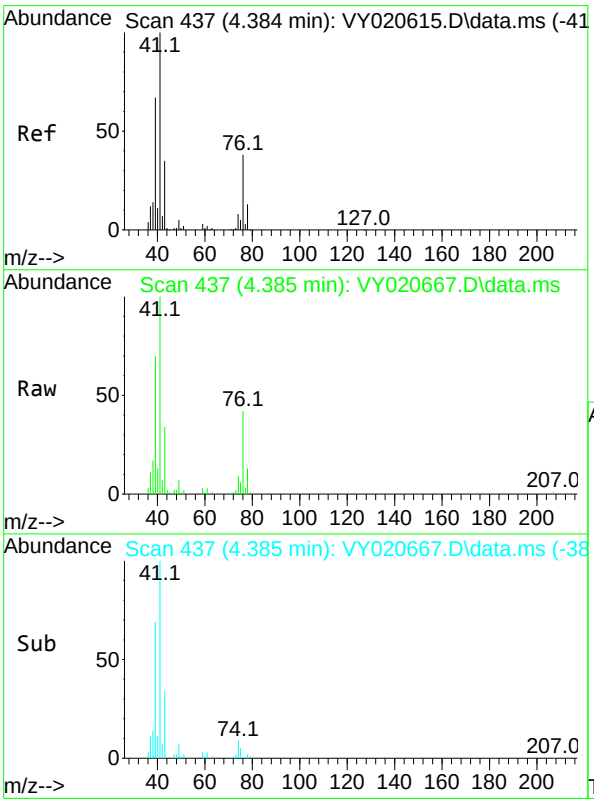
#13
Acrolein
Concen: 69.097 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 56 Resp: 5532

Ion	Ratio	Lower	Upper
56	100		
55	68.9	57.5	86.3

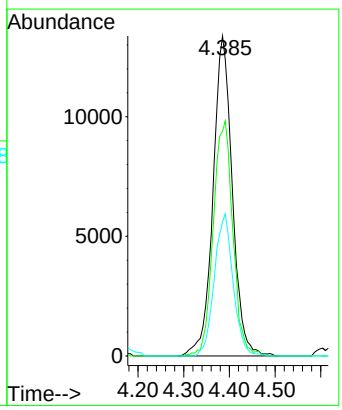


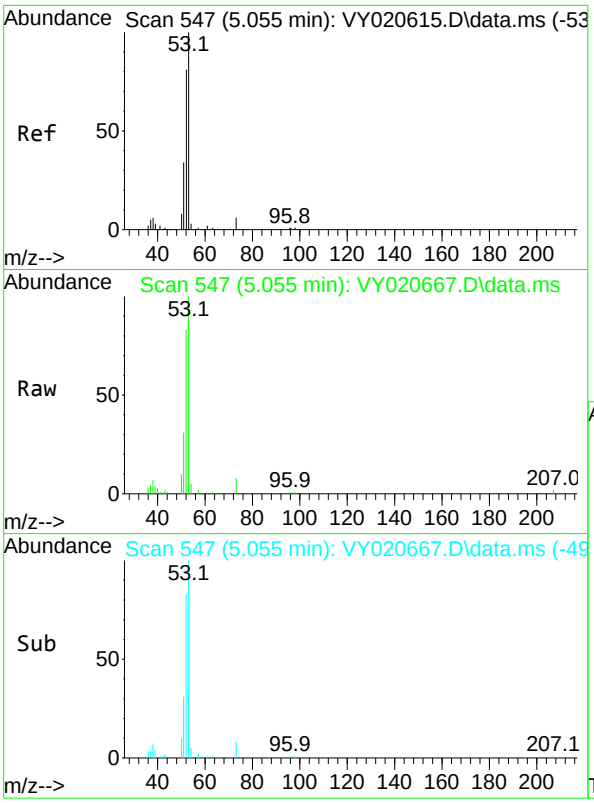


#14
Allyl chloride
Concen: 11.548 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 41 Resp: 39213

Ion	Ratio	Lower	Upper
41	100		
39	74.4	53.0	79.4
76	43.2	29.5	44.3



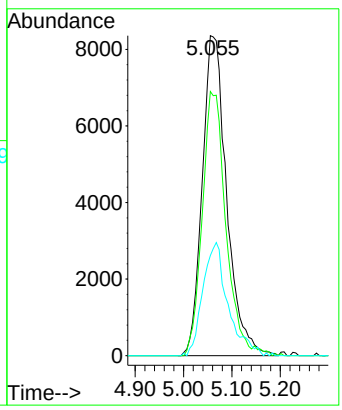


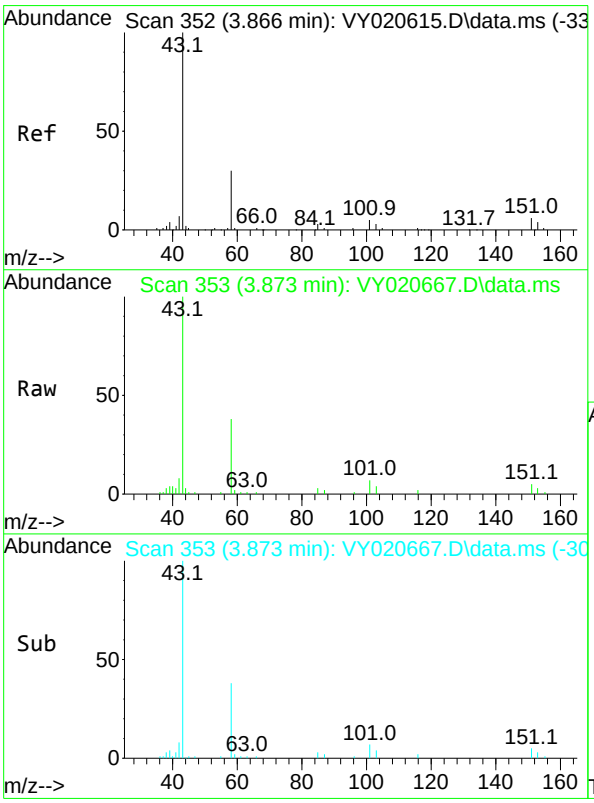
#15
Acrylonitrile
Concen: 62.786 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 53 Resp: 29353

Ion	Ratio	Lower	Upper
53	100		
52	80.2	64.5	96.7
51	36.2	29.4	44.0

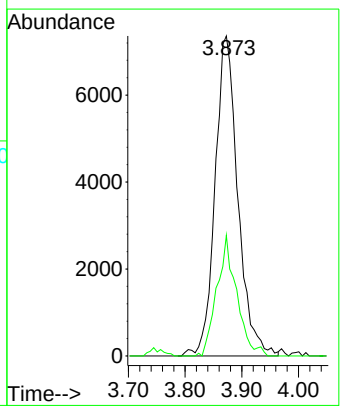


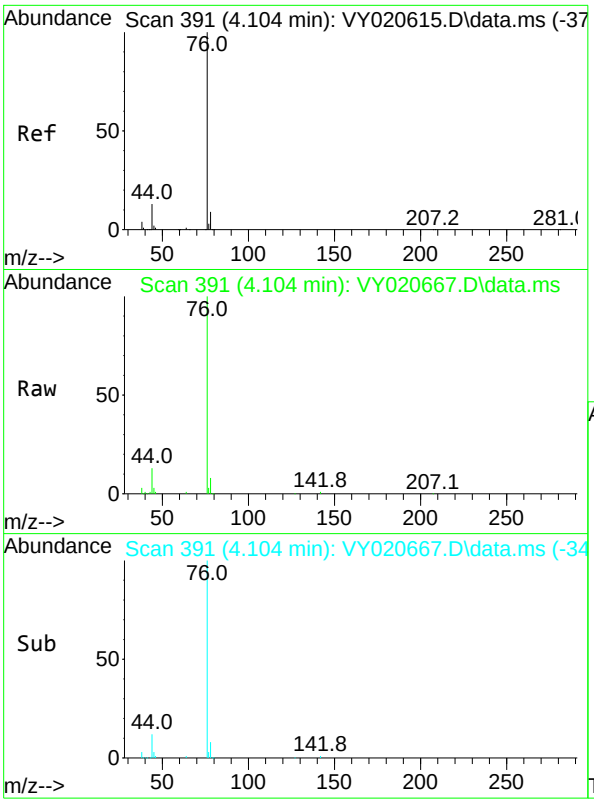


#16
Acetone
Concen: 56.052 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.007 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 43 Resp: 20534

Ion	Ratio	Lower	Upper
43	100		
58	37.7	25.0	37.6#



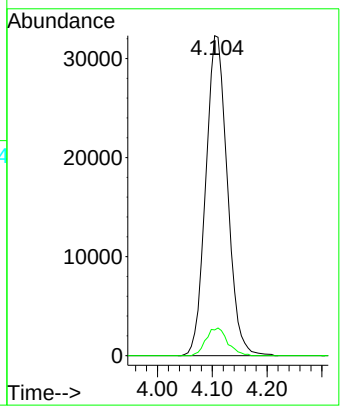


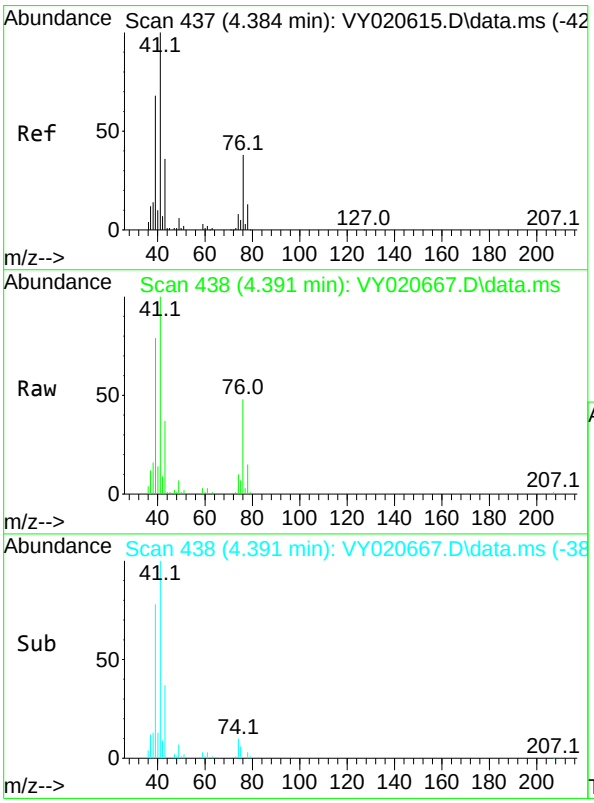
#17
Carbon Disulfide
Concen: 13.971 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 76 Resp: 88129

Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.2	10.8

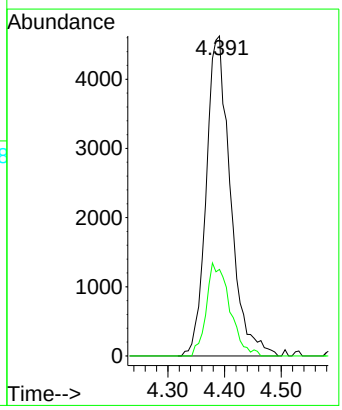


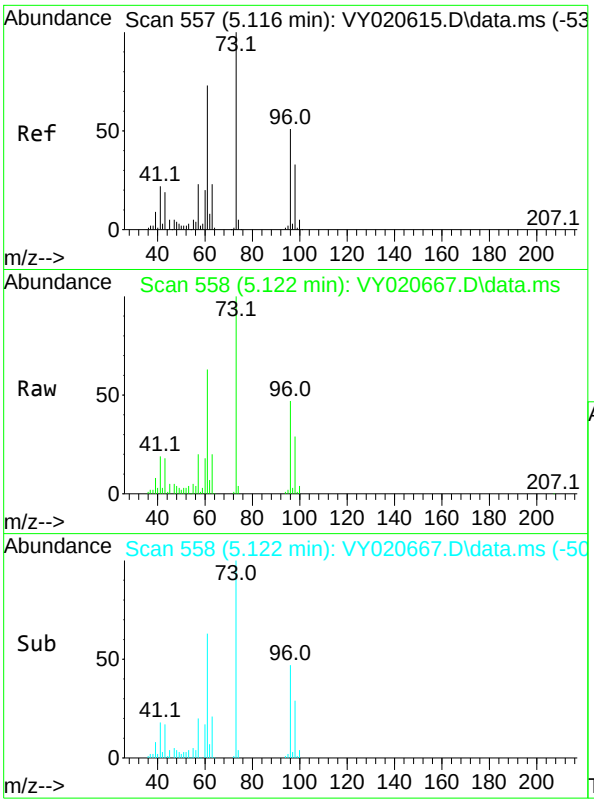


#18
Methyl Acetate
Concen: 11.903 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 43 Resp: 13712

Ion	Ratio	Lower	Upper
43	100		
74	28.1	19.2	28.8



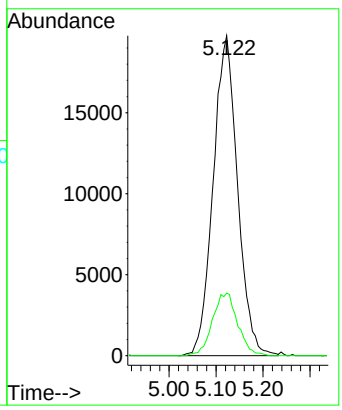


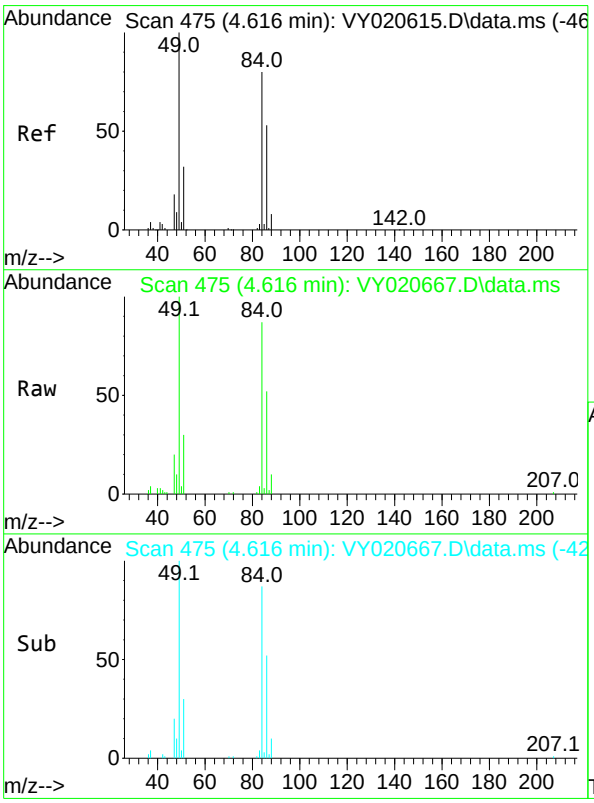
#19
Methyl tert-butyl Ether
Concen: 14.257 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 73 Resp: 71311

Ion	Ratio	Lower	Upper
73	100		
57	19.6	18.5	27.7

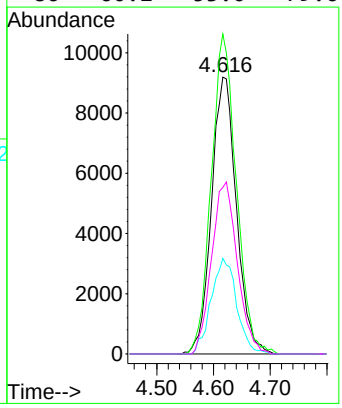


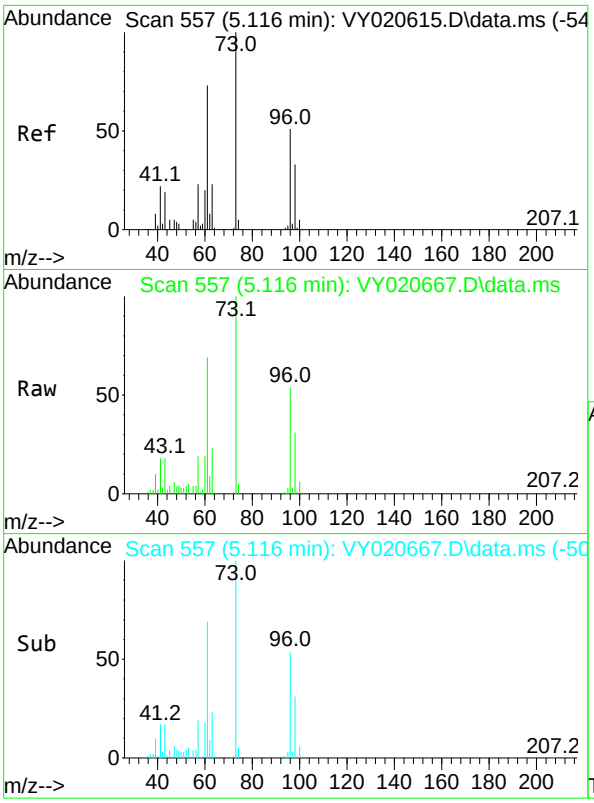


#20
Methylene Chloride
Concen: 13.301 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 84 Resp: 28001

Ion	Ratio	Lower	Upper
84	100		
49	115.6	100.7	151.1
51	34.5	32.2	48.2
86	60.2	53.0	79.6



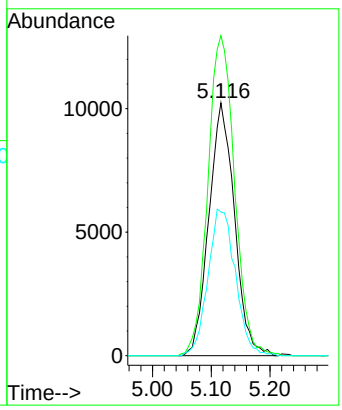


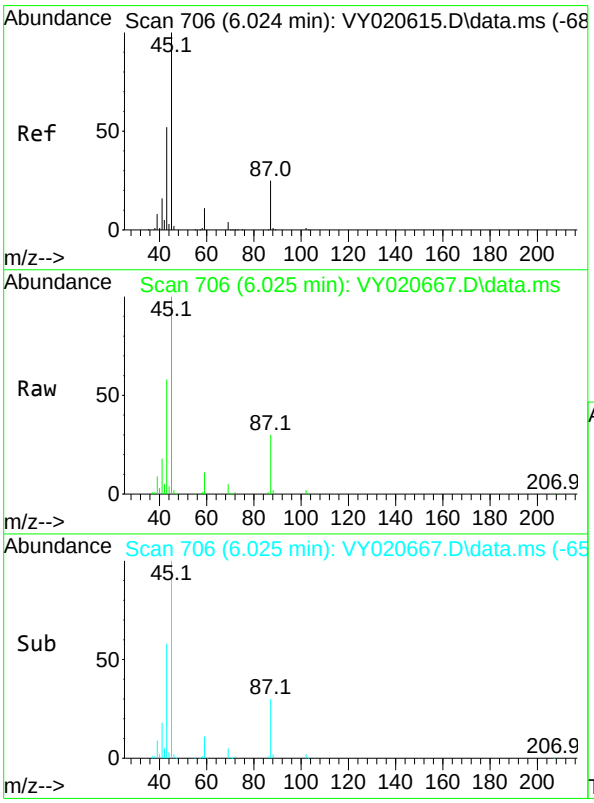
#21
trans-1,2-Dichloroethene
Concen: 14.251 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 96 Resp: 30978

Ion	Ratio	Lower	Upper
96	100		
61	126.6	113.7	170.5
98	56.9	51.7	77.5

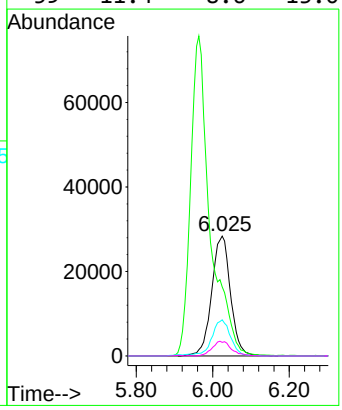


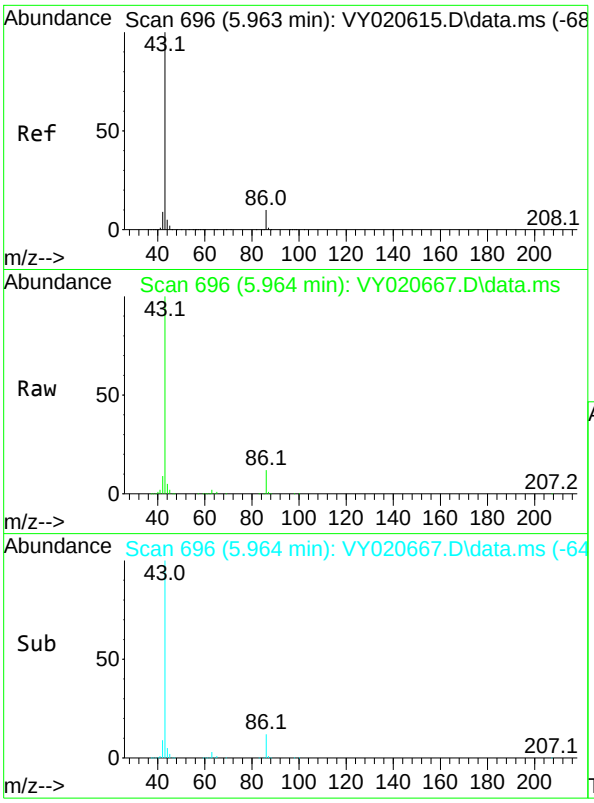


#22
Diisopropyl ether
Concen: 14.069 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 45 Resp: 96975

Ion	Ratio	Lower	Upper
45	100		
43	57.1	42.6	64.0
87	30.2	20.6	31.0
59	11.4	8.6	13.0



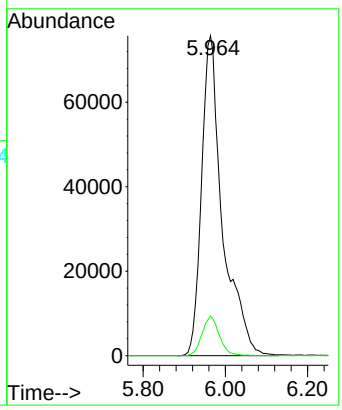


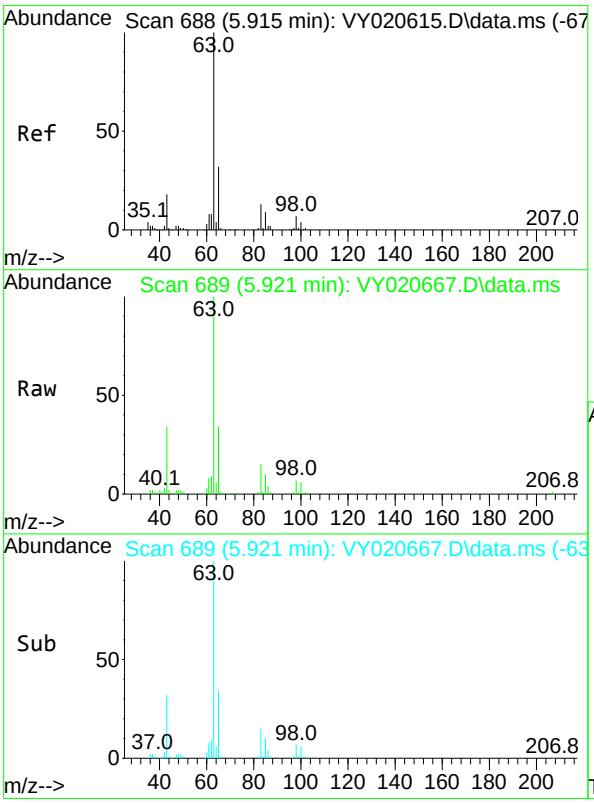
#23
Vinyl Acetate
Concen: 68.637 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 43 Resp: 267947

Ion	Ratio	Lower	Upper
43	100		
86	12.4	8.1	12.1#

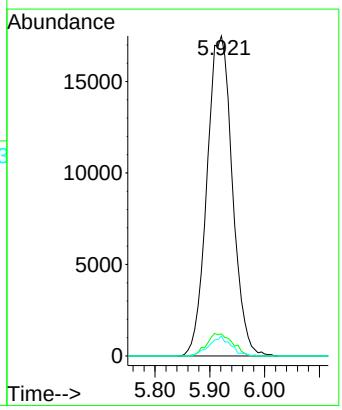


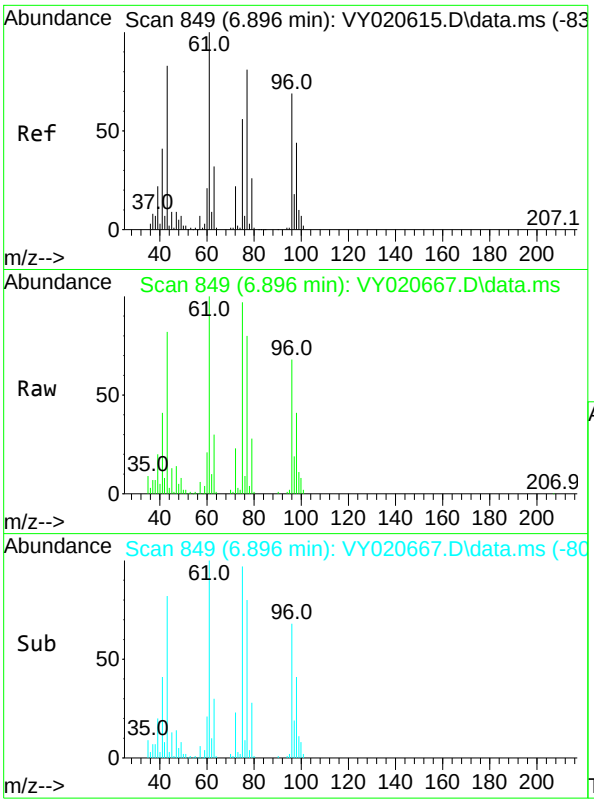


#24
1,1-Dichloroethane
Concen: 13.914 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.006 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 63 Resp: 56185

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.4	10.1
100	6.1	2.1	6.5



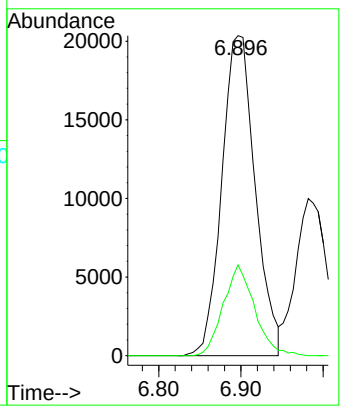


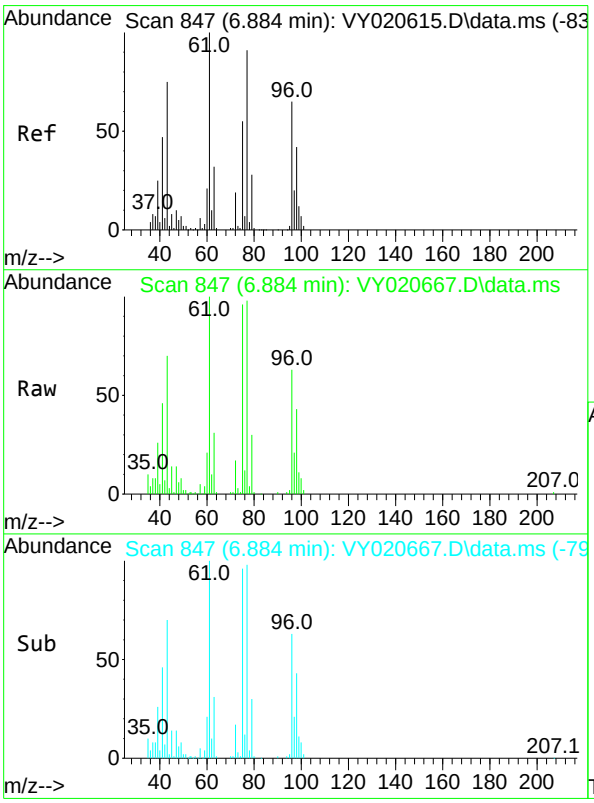
#25
2-Butanone
Concen: 91.487 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 43 Resp: 57567

Ion	Ratio	Lower	Upper
43	100		
72	28.3	20.6	31.0

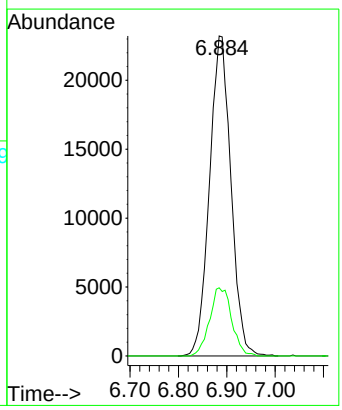


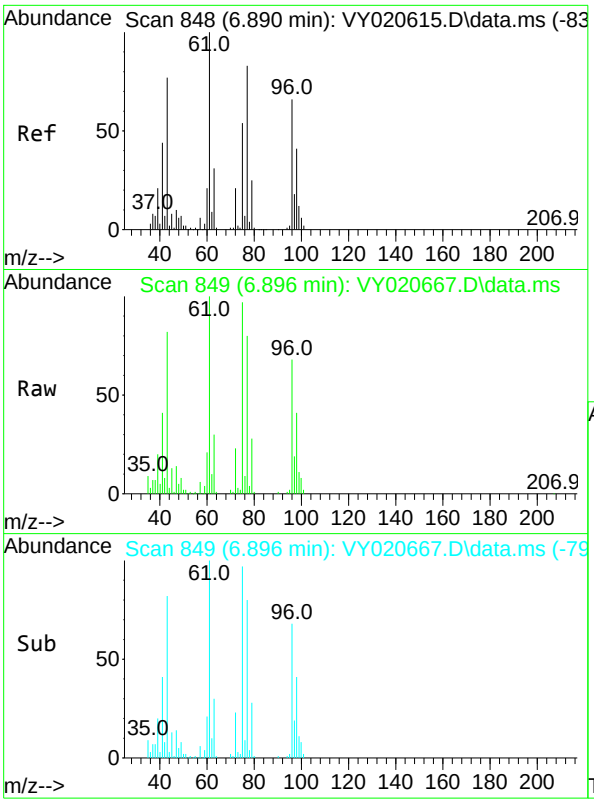


#26
2,2-Dichloropropane
Concen: 18.666 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 77 Resp: 71251

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.6



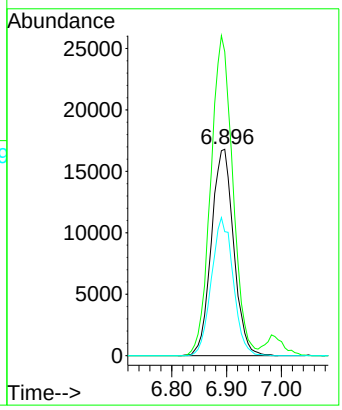


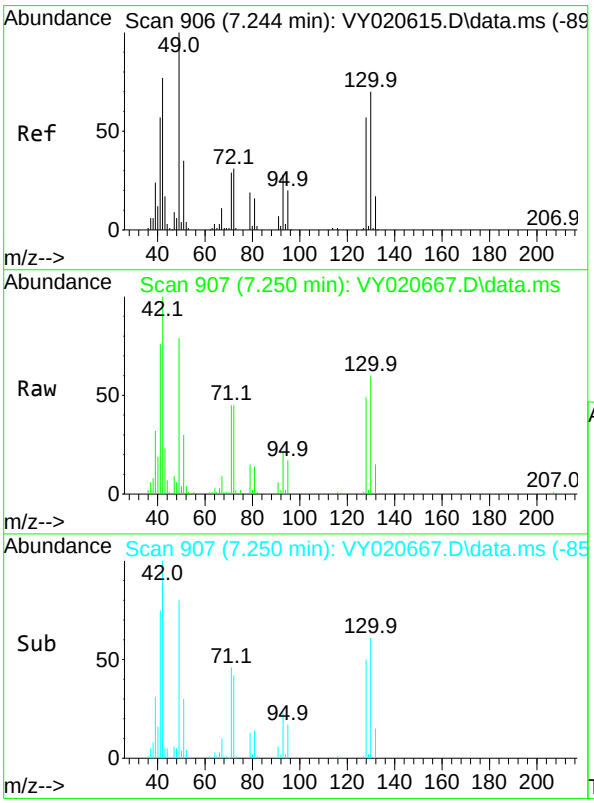
#27
cis-1,2-Dichloroethene
Concen: 19.017 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 96 Resp: 47563

Ion	Ratio	Lower	Upper
96	100		
61	153.3	0.0	306.2
98	65.1	0.0	127.2

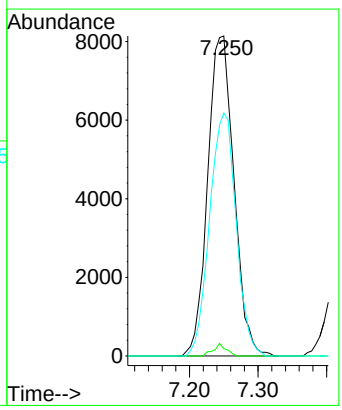


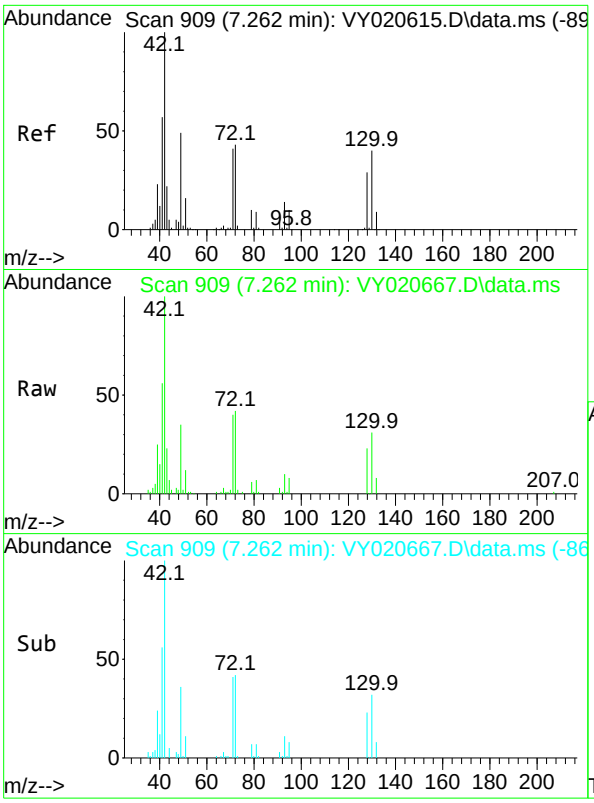


#28
Bromochloromethane
Concen: 15.896 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 49 Resp: 21651

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	76.7	58.3	87.5



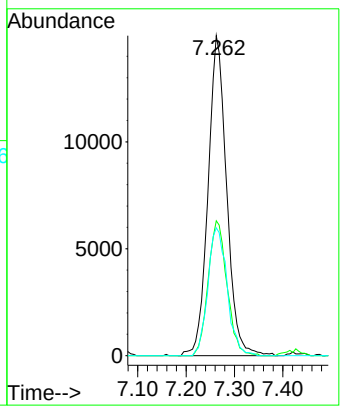


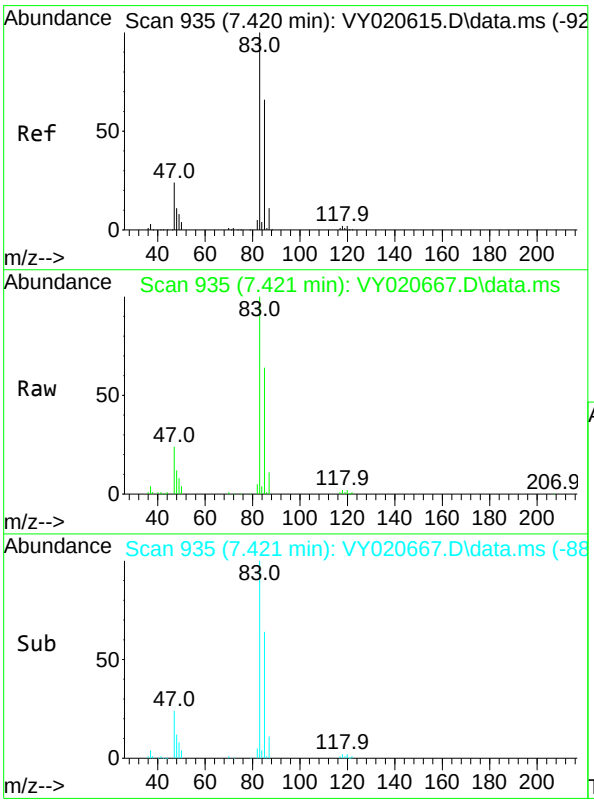
#29
Tetrahydrofuran
Concen: 100.545 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 42 Resp: 39939

Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.0	51.0
71	41.5	31.6	47.4

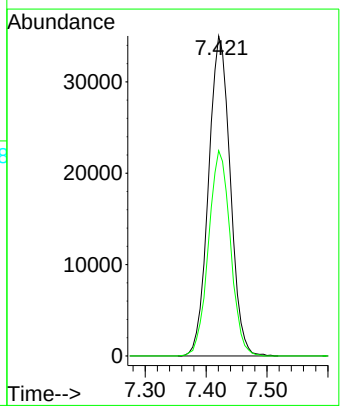


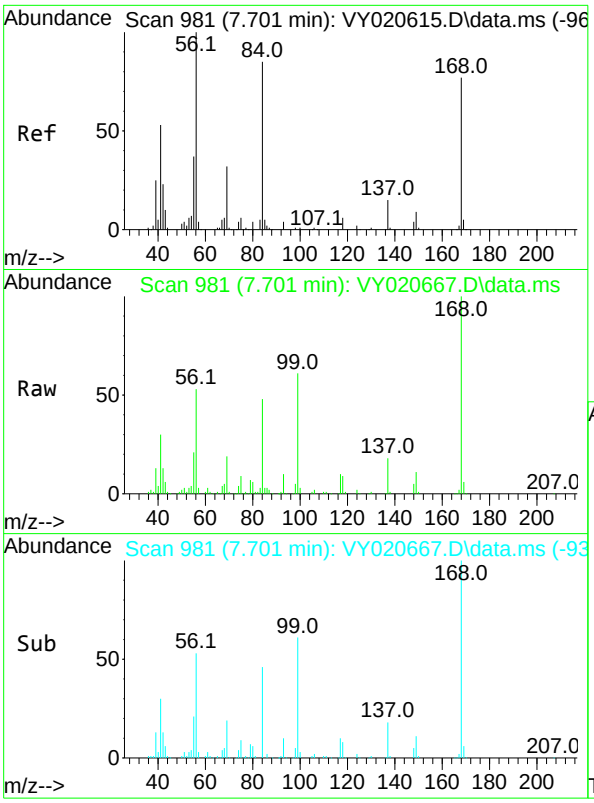


#30
Chloroform
Concen: 18.008 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.001 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 83 Resp: 86753

Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.7	79.1



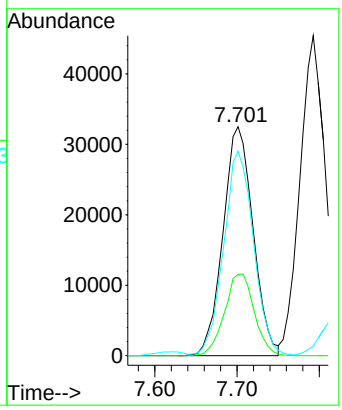


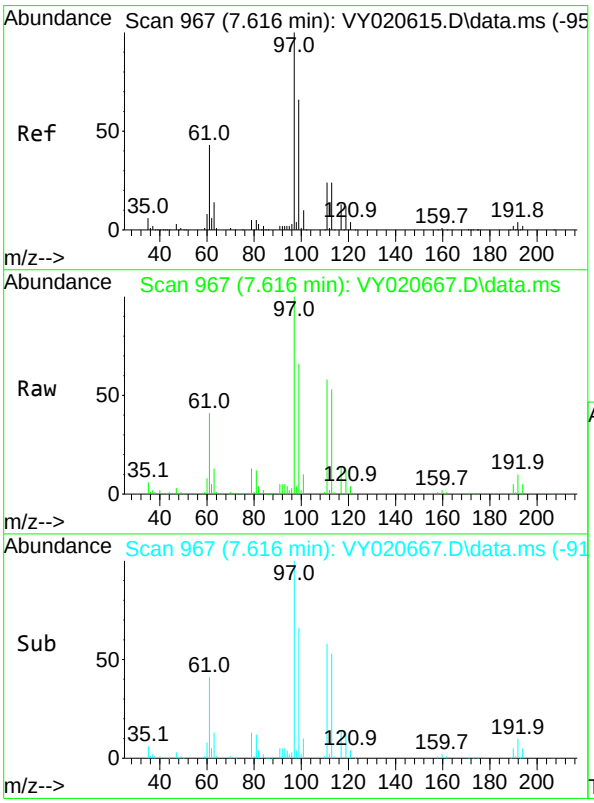
#31
Cyclohexane
Concen: 21.435 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 56 Resp: 82760

Ion	Ratio	Lower	Upper
56	100		
69	35.4	25.4	38.0
84	87.7	68.3	102.5

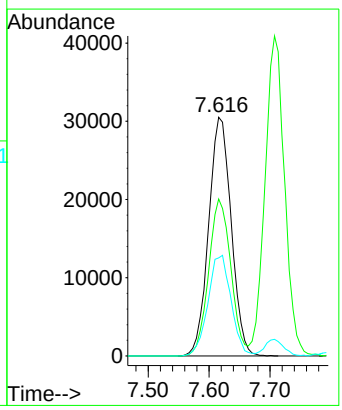


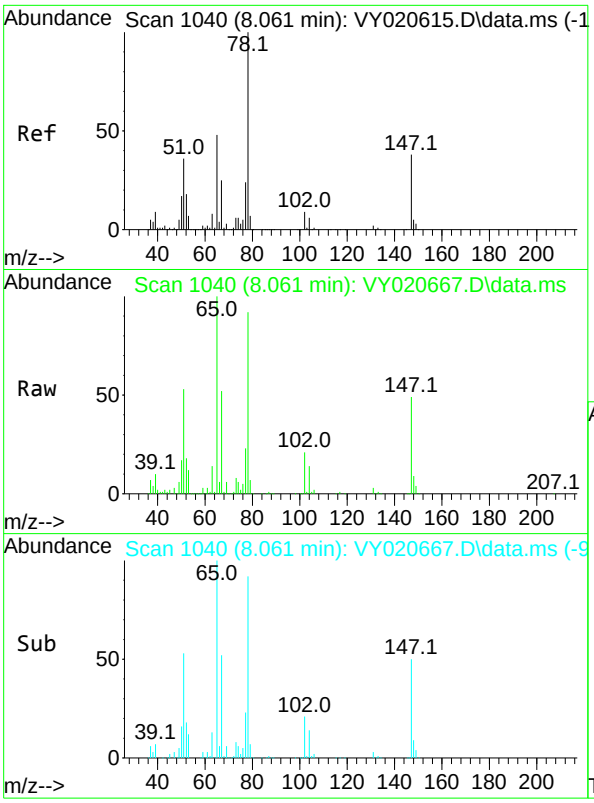


#32
1,1,1-Trichloroethane
Concen: 21.184 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 97 Resp: 78587

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.6	77.4
61	43.4	34.7	52.1



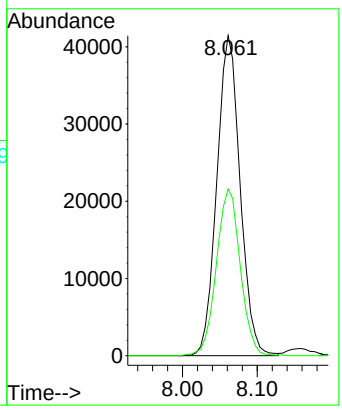


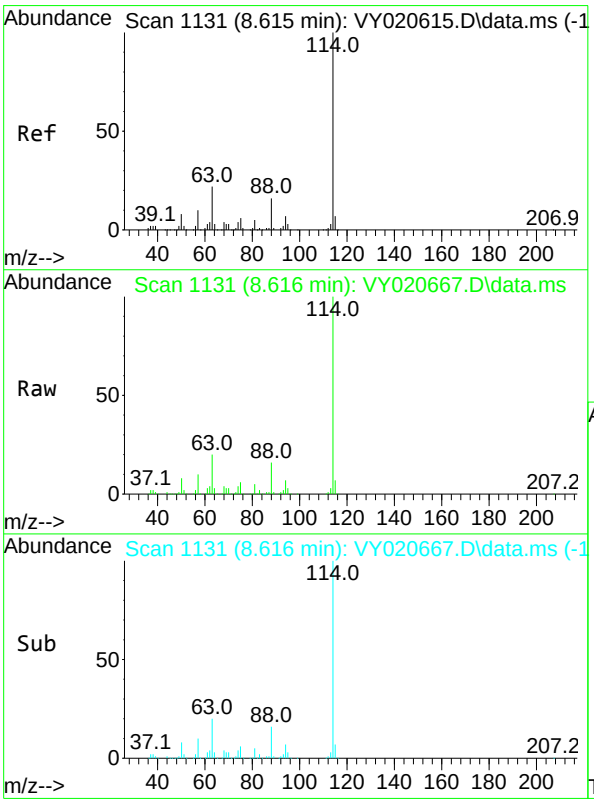
#33
1,2-Dichloroethane-d4
Concen: 53.026 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 65 Resp: 89782

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	108.0

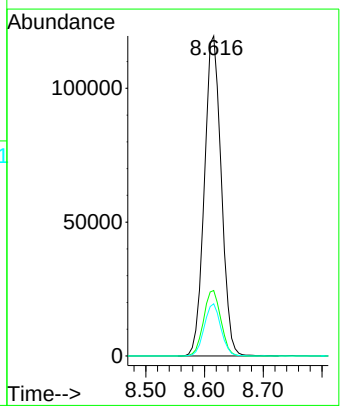


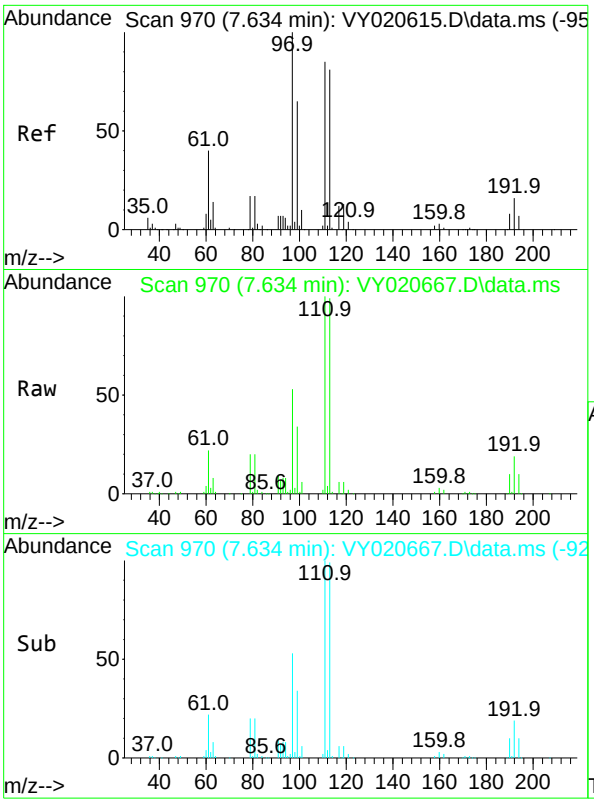


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion:114 Resp: 238791

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	44.0
88	16.3	0.0	32.8



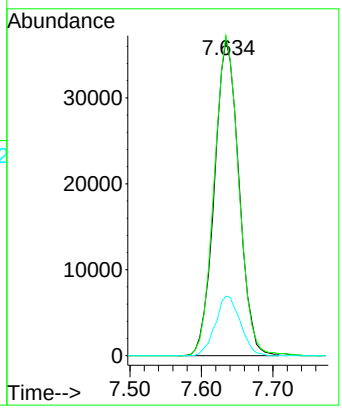


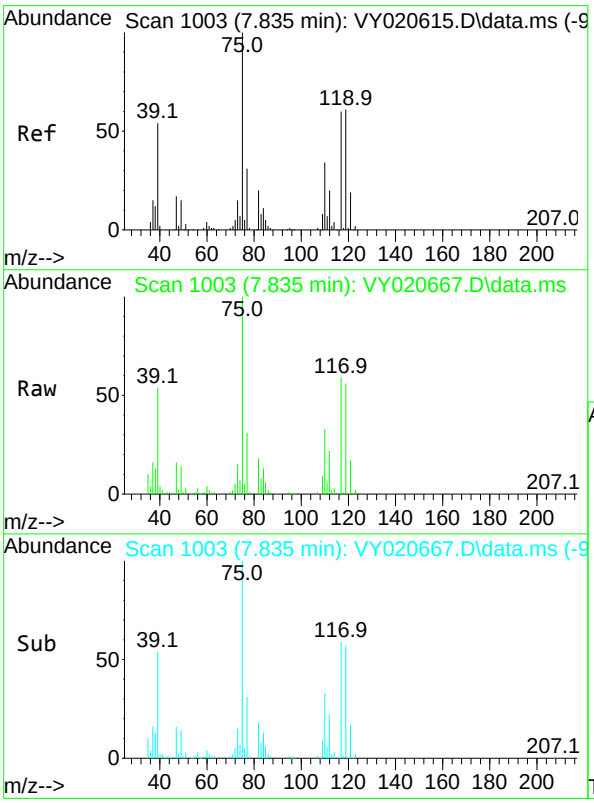
#35
Dibromofluoromethane
Concen: 51.973 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion:113 Resp: 87467

Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.9	124.3
192	19.2	15.7	23.5

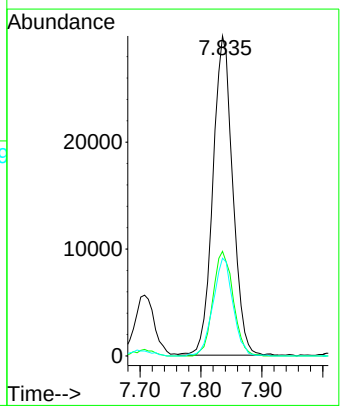


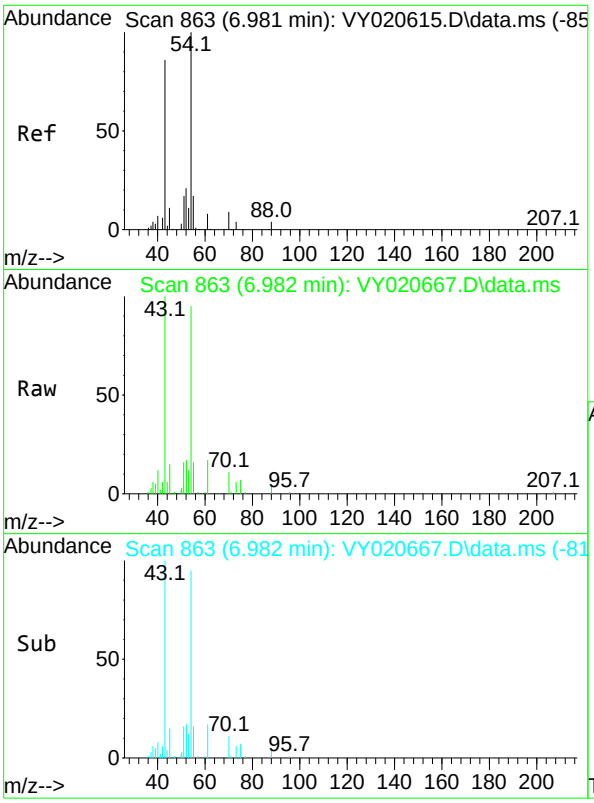


#36
1,1-Dichloropropene
Concen: 22.021 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 75 Resp: 67576

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.8	50.4
77	30.9	25.0	37.6



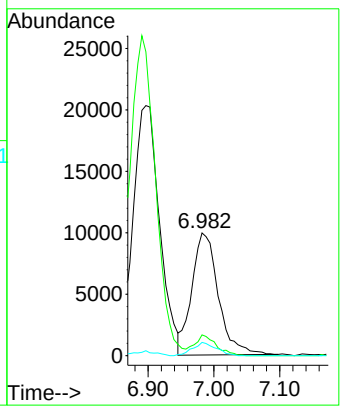


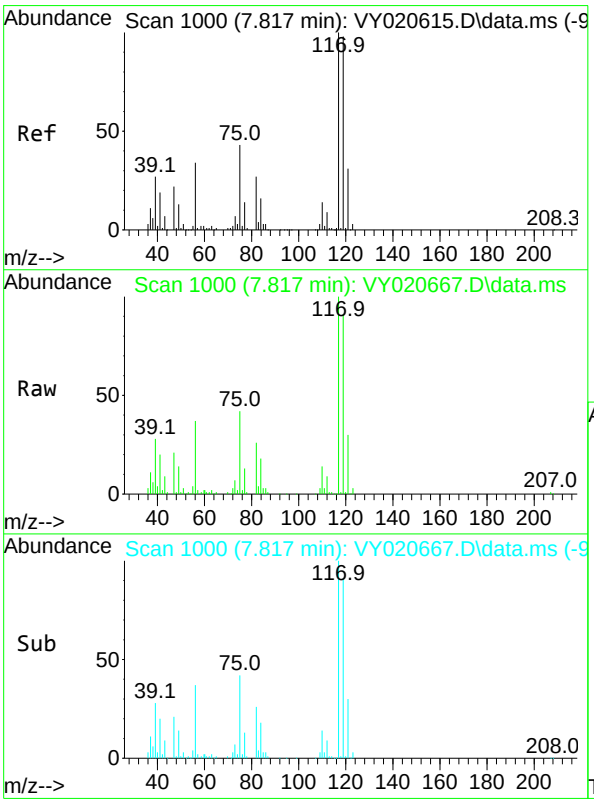
#37
Ethyl Acetate
Concen: 19.272 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 43 Resp: 27819

Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.4
70	9.7	7.9	11.9

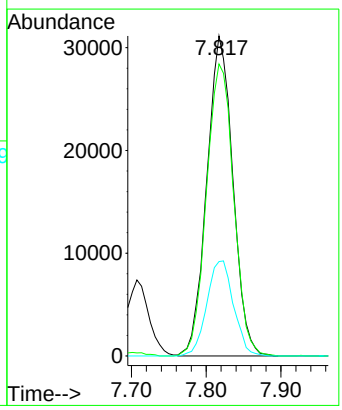


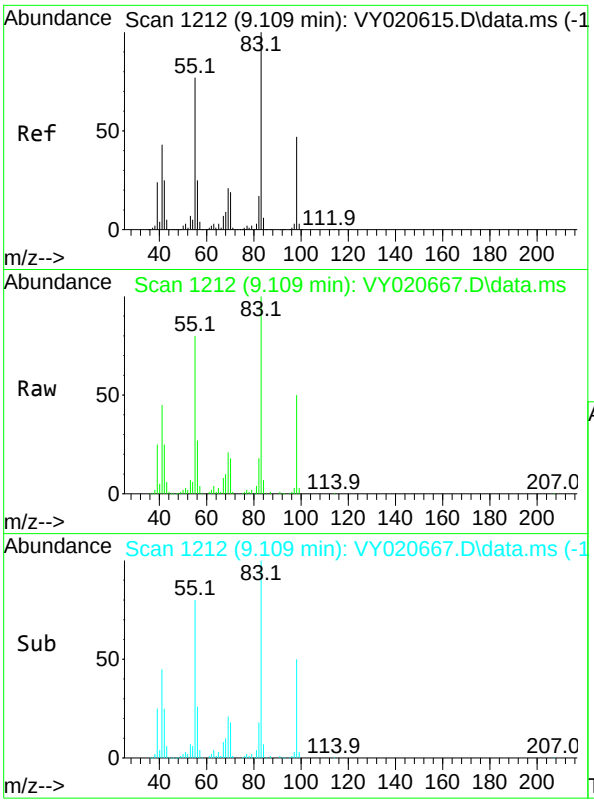


#38
Carbon Tetrachloride
Concen: 22.231 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion:117 Resp: 75478

Ion	Ratio	Lower	Upper
117	100		
119	91.2	78.3	117.5
121	29.5	25.1	37.7



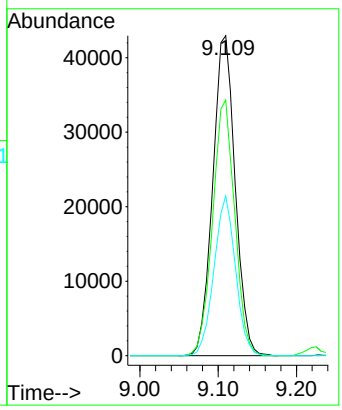


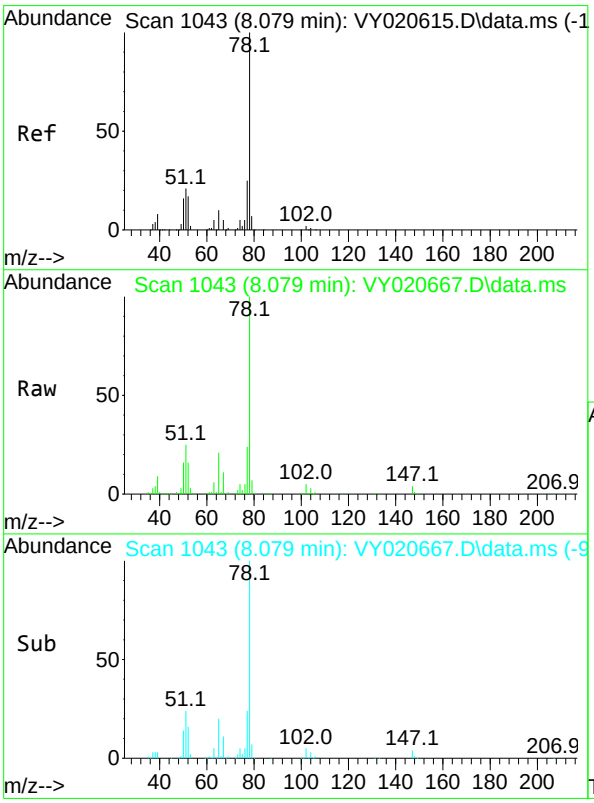
#39
Methylcyclohexane
Concen: 21.405 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 83 Resp: 85612

Ion	Ratio	Lower	Upper
83	100		
55	79.9	61.4	92.0
98	49.9	37.3	55.9

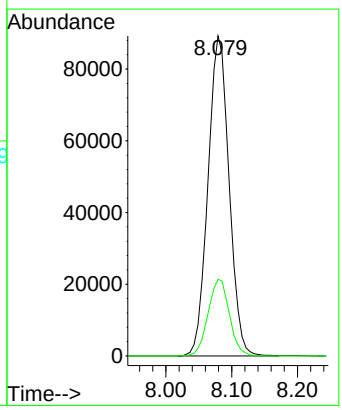


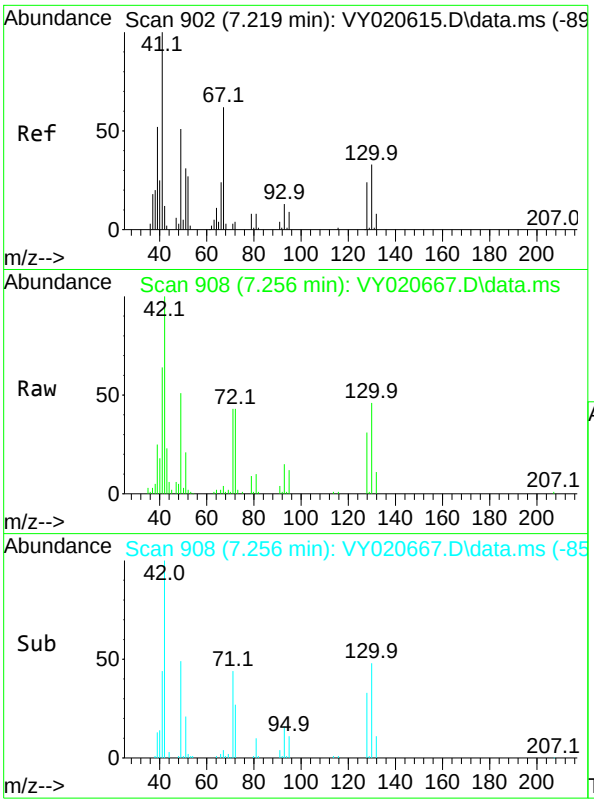


#40
Benzene
Concen: 22.121 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 78 Resp: 198978

Ion	Ratio	Lower	Upper
78	100		
77	23.9	20.1	30.1



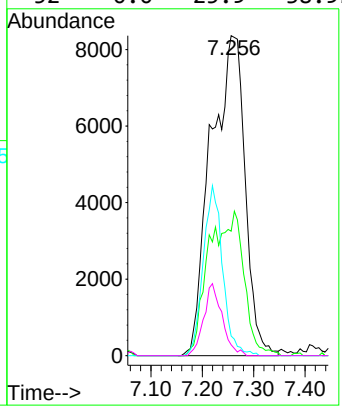


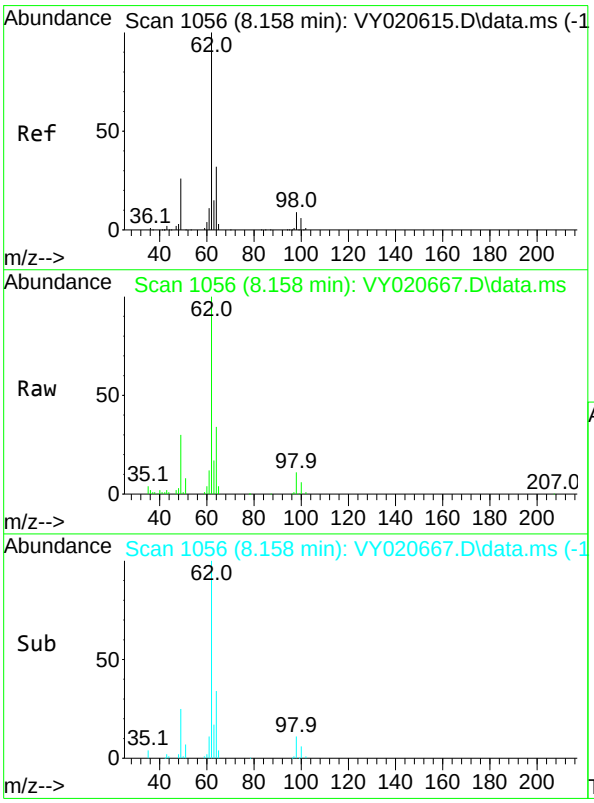
#41
Methacrylonitrile
Concen: 50.383 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.037 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 41 Resp: 38449

Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.6	80.4#
67	0.0	62.0	93.0#
52	0.0	25.9	38.9#

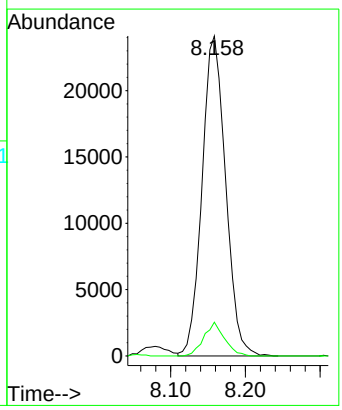


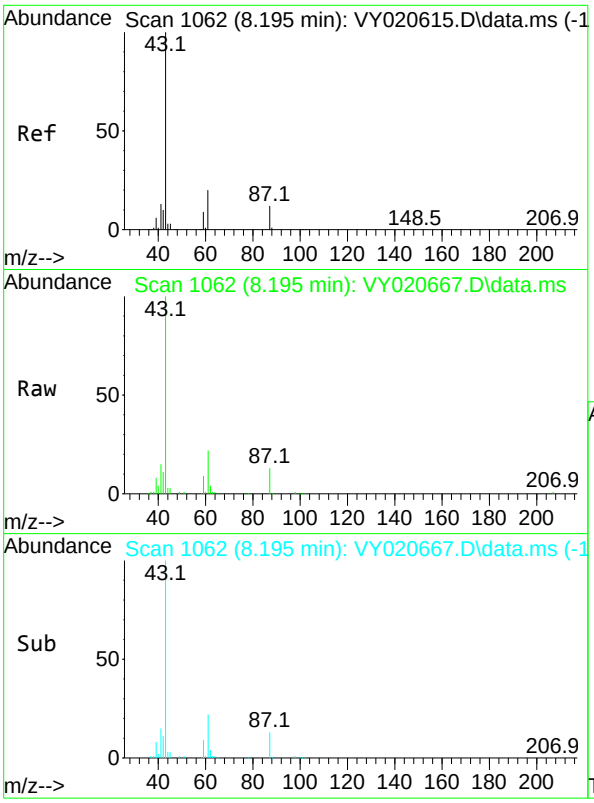


#42
1,2-Dichloroethane
Concen: 22.128 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 62 Resp: 52790

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.0



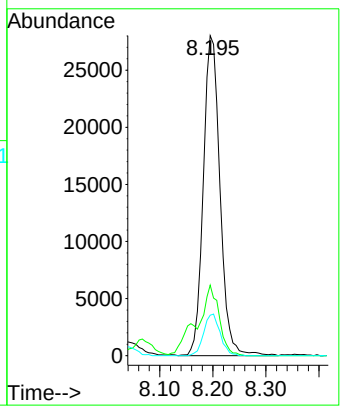


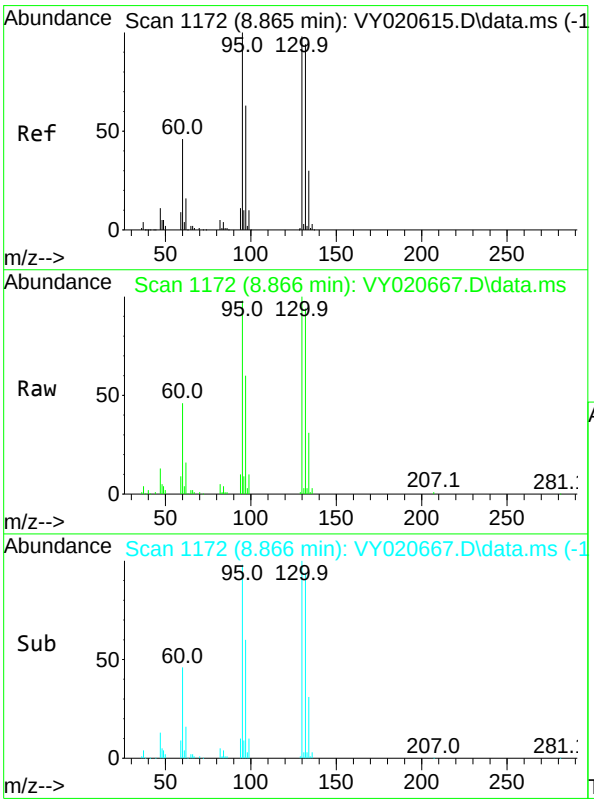
#43
Isopropyl Acetate
Concen: 22.464 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 43 Resp: 61389

Ion	Ratio	Lower	Upper
43	100		
61	20.7	23.8	35.6#
87	12.8	10.2	15.4

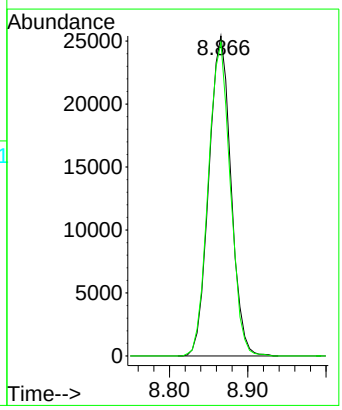


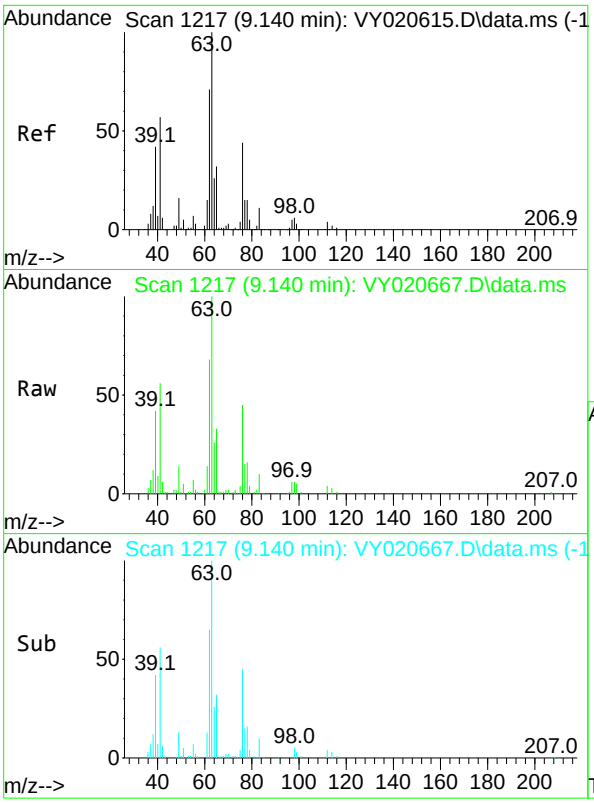


#44
Trichloroethene
Concen: 22.498 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion:130 Resp: 49726

Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	203.2



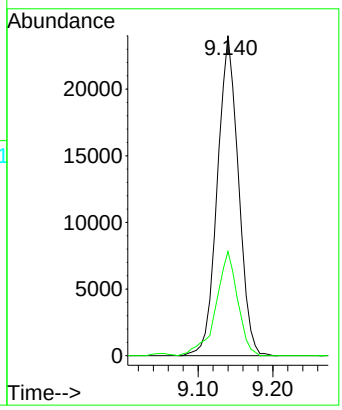


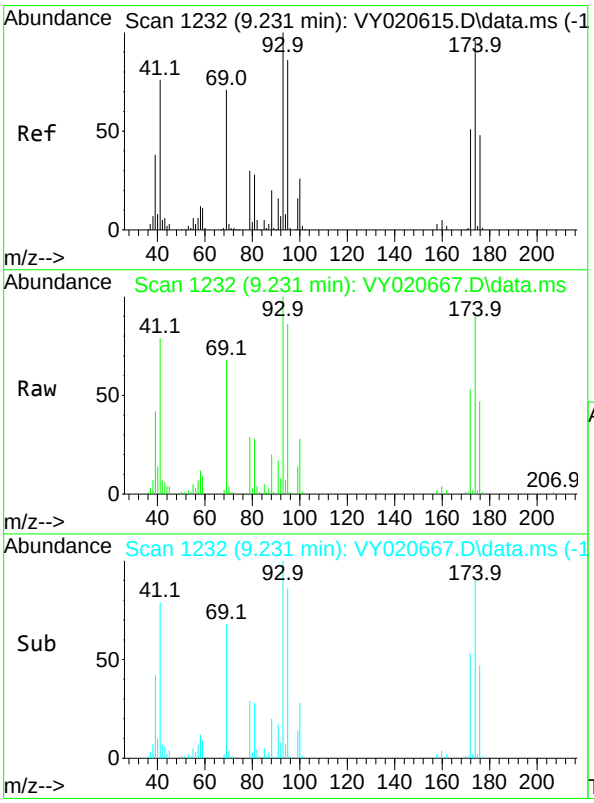
#45
1,2-Dichloropropane
Concen: 22.380 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 63 Resp: 47049

Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.9	38.9

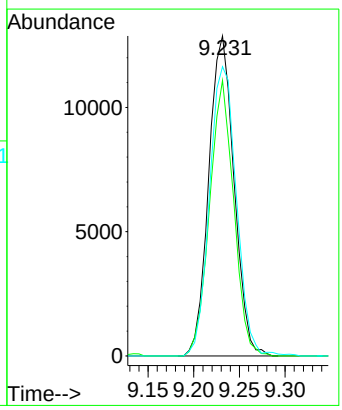


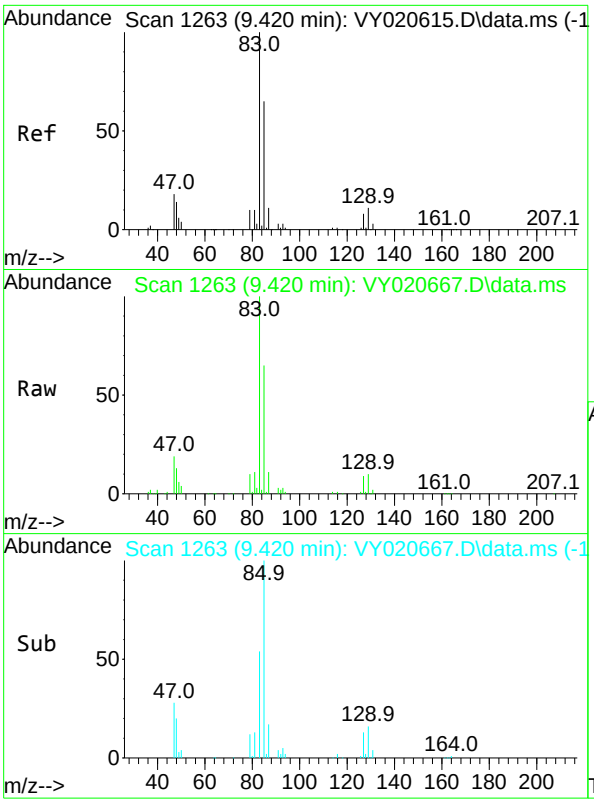


#46
Dibromomethane
Concen: 22.268 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 93 Resp: 24740

Ion	Ratio	Lower	Upper
93	100		
95	82.0	66.7	100.1
174	96.3	77.8	116.6



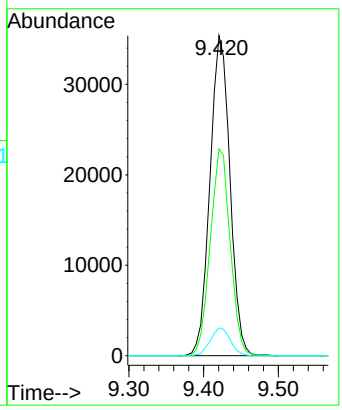


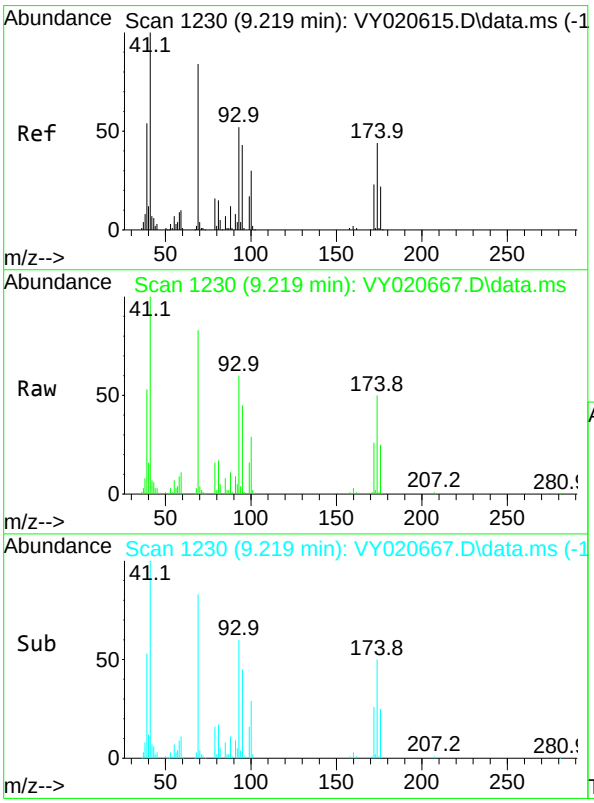
#47
Bromodichloromethane
Concen: 21.970 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 83 Resp: 65935

Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.1	78.1
127	8.7	6.7	10.1

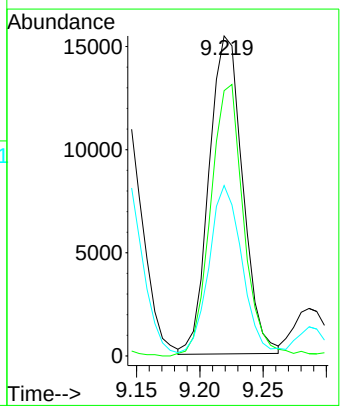


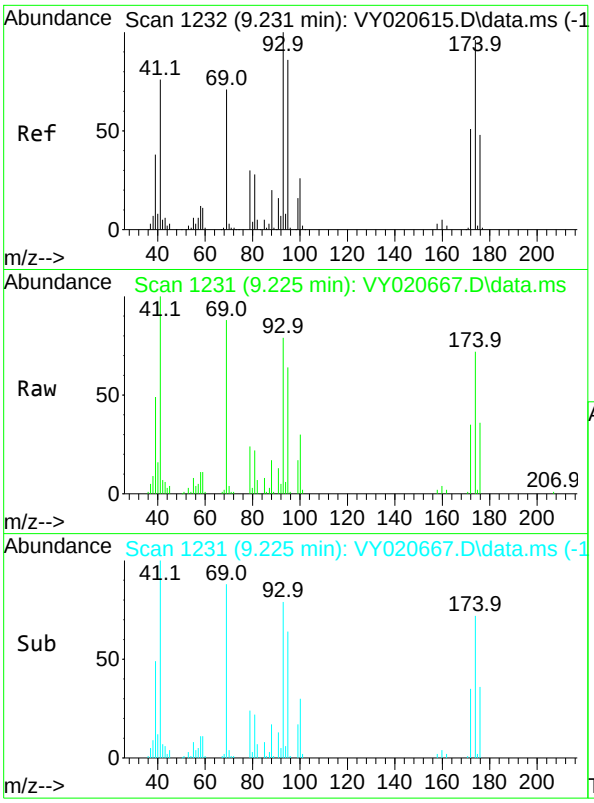


#48
Methyl methacrylate
Concen: 21.949 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 41 Resp: 28515

Ion	Ratio	Lower	Upper
41	100		
69	84.2	67.2	100.8
39	51.7	42.2	63.4



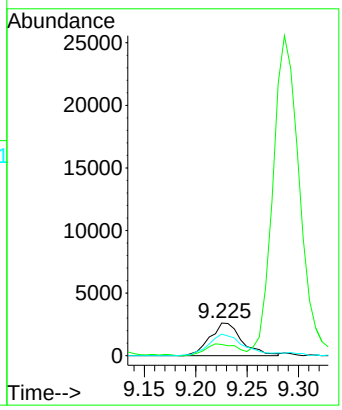


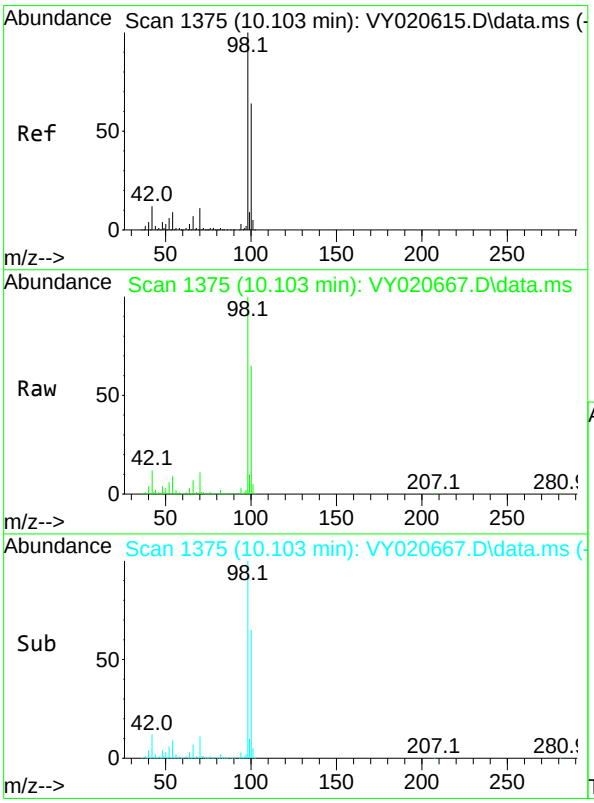
#49
1,4-Dioxane
Concen: 443.123 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 88 Resp: 5646

Ion	Ratio	Lower	Upper
88	100		
43	36.5	27.6	41.4
58	71.0	61.7	92.5

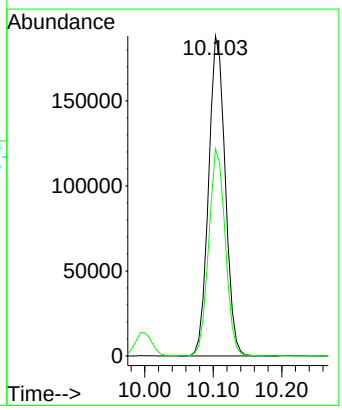


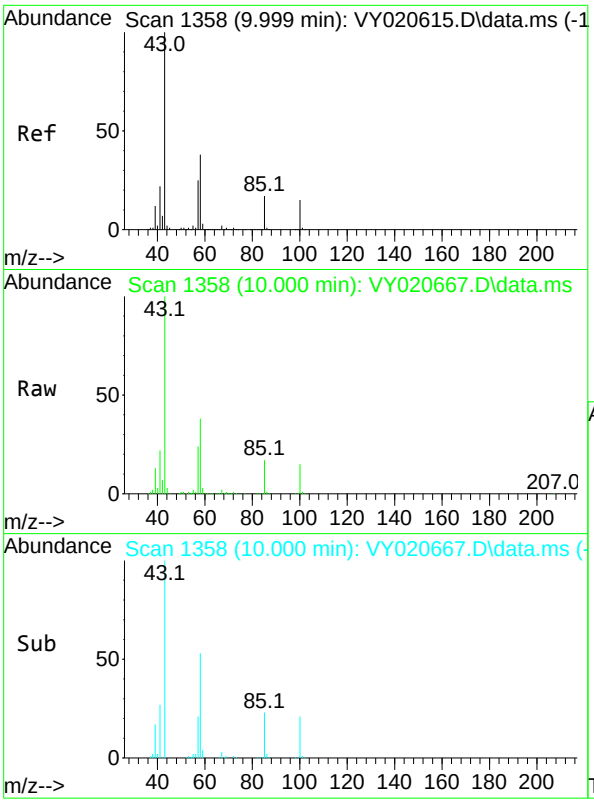


#50
Toluene-d8
Concen: 53.924 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 98 Resp: 317644

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.1	78.1



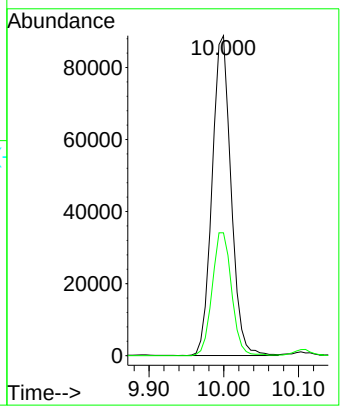


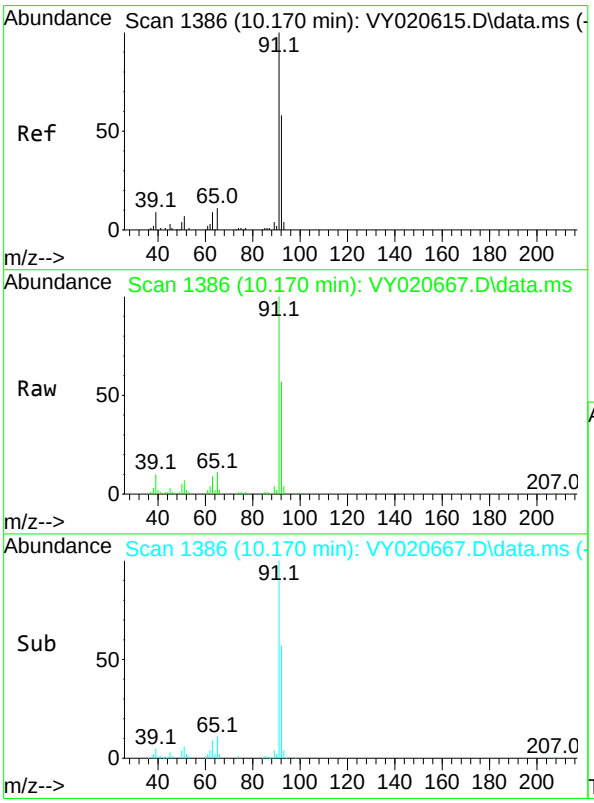
#51
4-Methyl-2-Pentanone
Concen: 108.373 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 43 Resp: 156324

Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.4	47.2

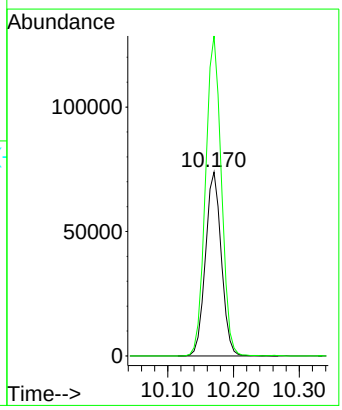


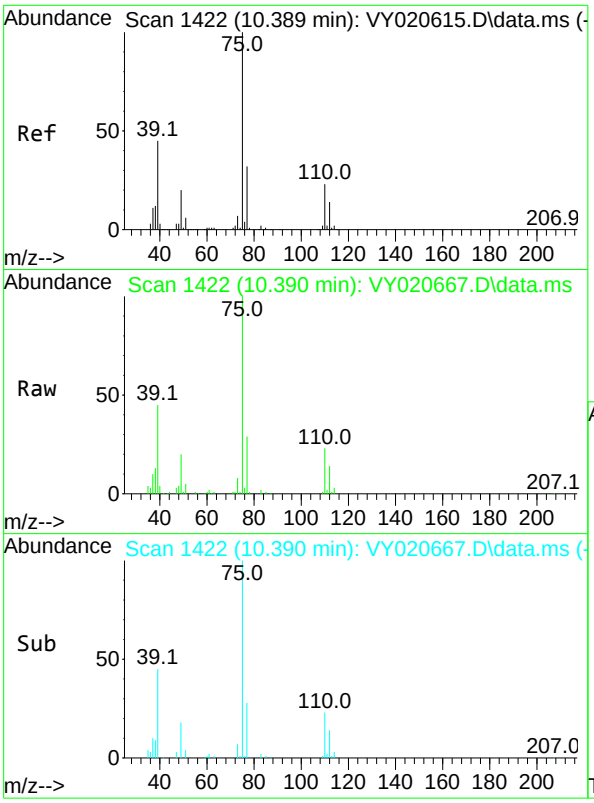


#52
Toluene
Concen: 22.124 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 92 Resp: 123673

Ion	Ratio	Lower	Upper
92	100		
91	173.9	137.4	206.0



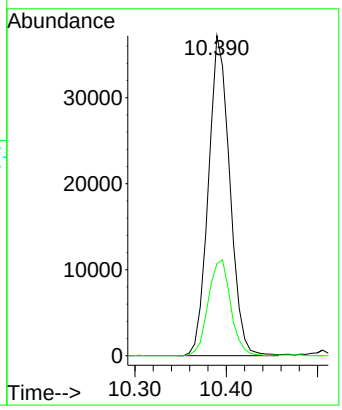


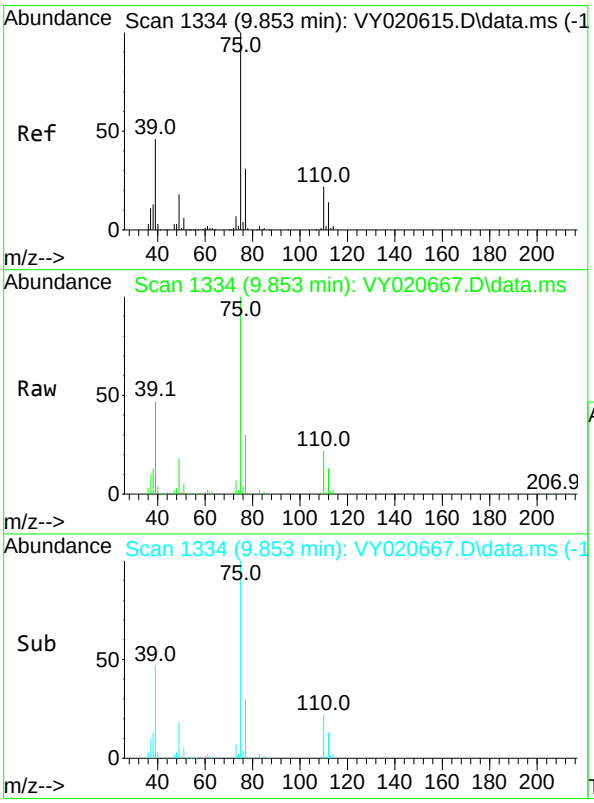
#53
t-1,3-Dichloropropene
Concen: 21.605 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 75 Resp: 60417

Ion	Ratio	Lower	Upper
75	100		
77	28.8	25.4	38.2

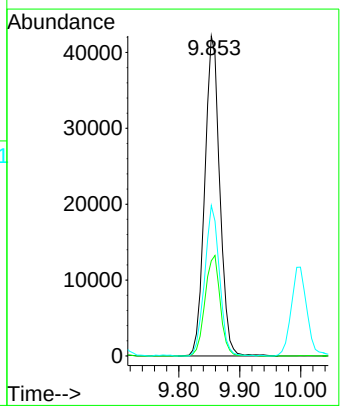


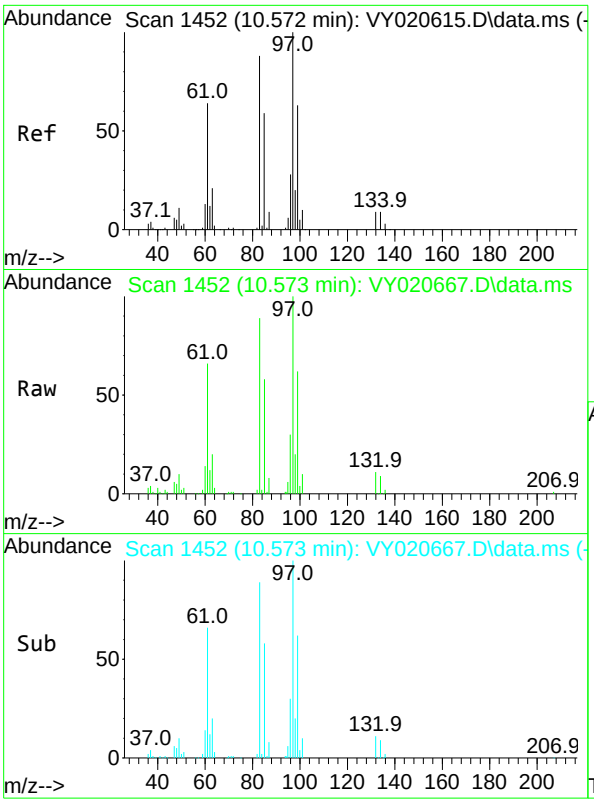


#54
cis-1,3-Dichloropropene
Concen: 21.830 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 75 Resp: 72340

Ion	Ratio	Lower	Upper
75	100		
77	29.7	24.6	36.8
39	47.0	36.4	54.6



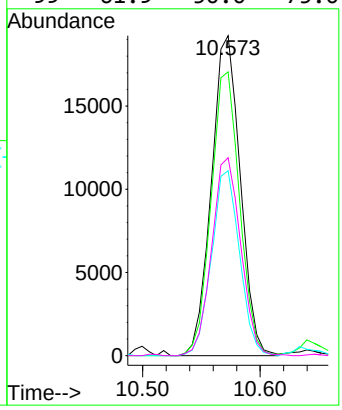


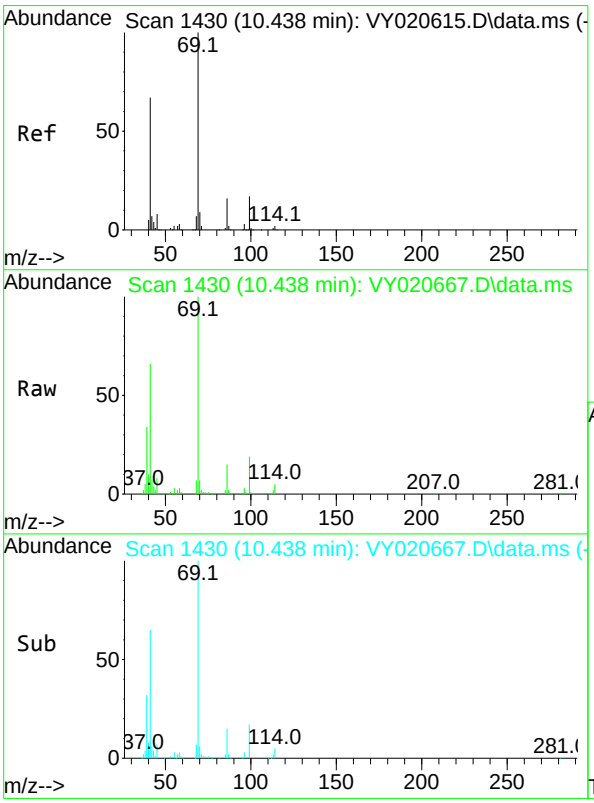
#55
1,1,2-Trichloroethane
Concen: 22.365 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 97 Resp: 32853

Ion	Ratio	Lower	Upper
97	100		
83	88.7	70.4	105.6
85	57.8	47.2	70.8
99	61.9	50.0	75.0

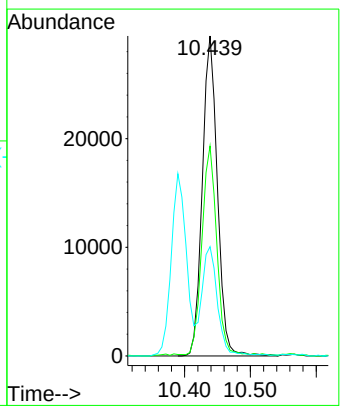


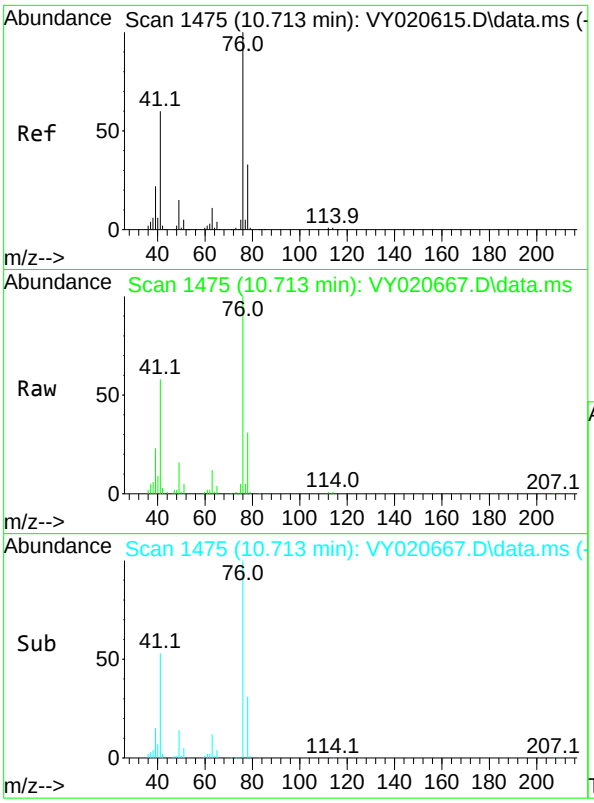


#56
Ethyl methacrylate
Concen: 22.024 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 69 Resp: 46933

Ion	Ratio	Lower	Upper
69	100		
41	63.7	54.0	81.0
39	34.6	27.9	41.9



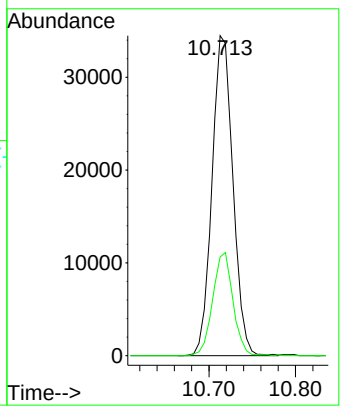


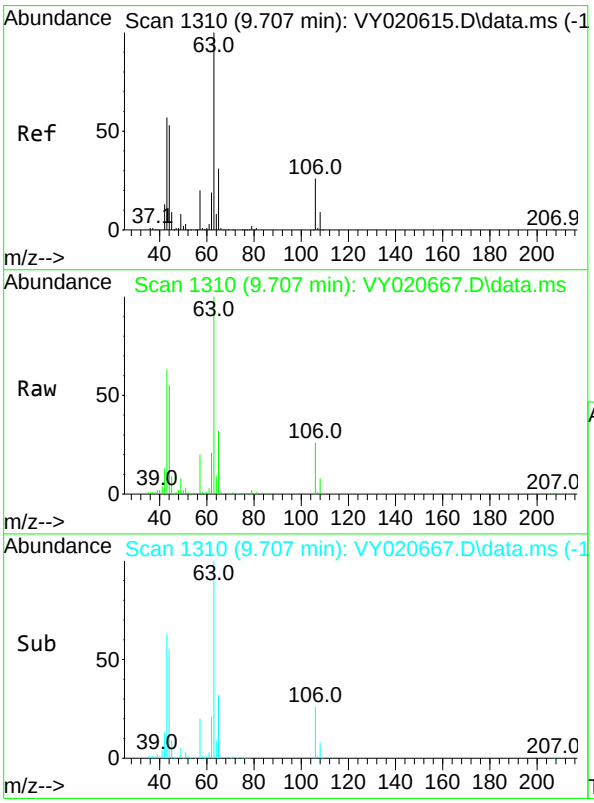
#57
1,3-Dichloropropane
Concen: 22.103 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 76 Resp: 57877

Ion	Ratio	Lower	Upper
76	100		
78	31.3	25.8	38.8

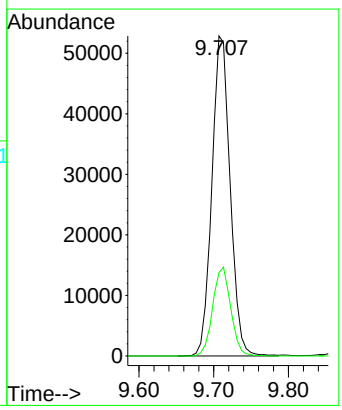


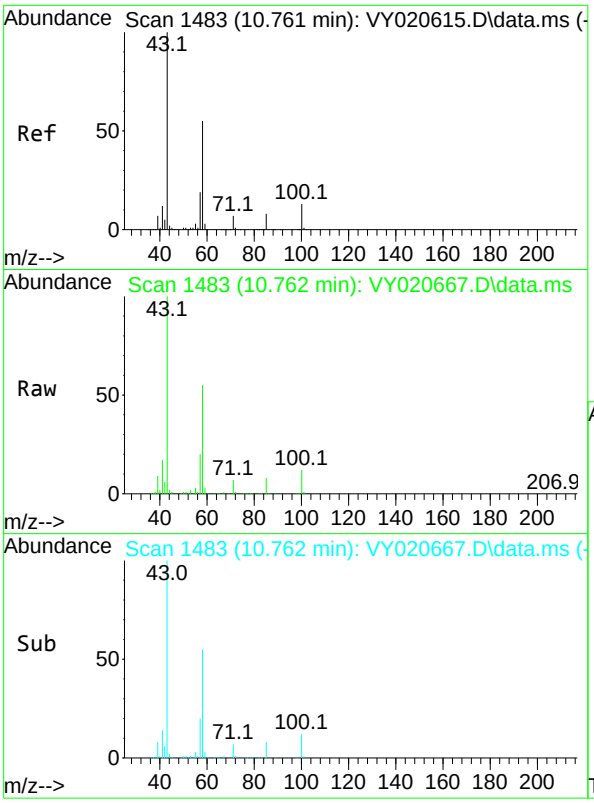


#58
2-Chloroethyl Vinyl ether
Concen: 100.257 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 63 Resp: 89896

Ion	Ratio	Lower	Upper
63	100		
106	27.3	21.5	32.3



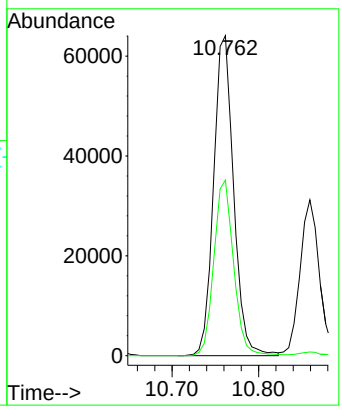


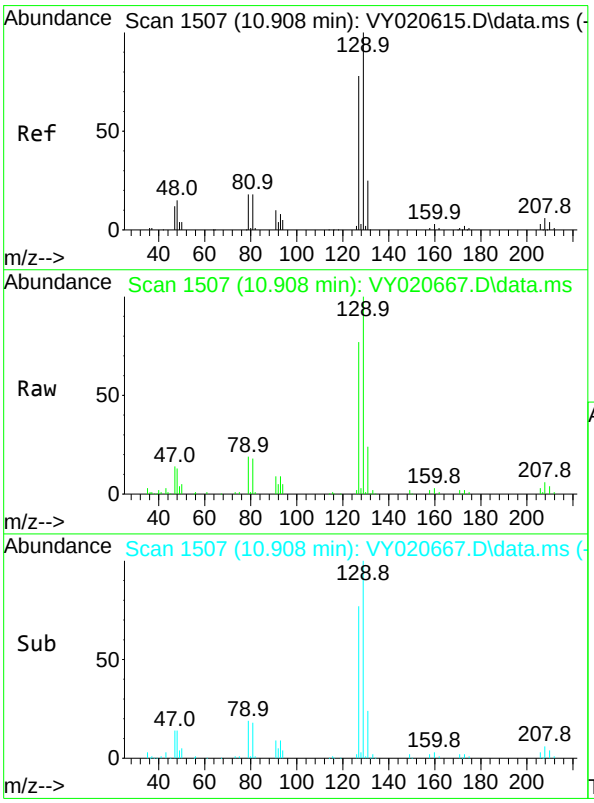
#59
2-Hexanone
Concen: 111.052 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 43 Resp: 102848

Ion	Ratio	Lower	Upper
43	100		
58	54.3	27.2	81.6

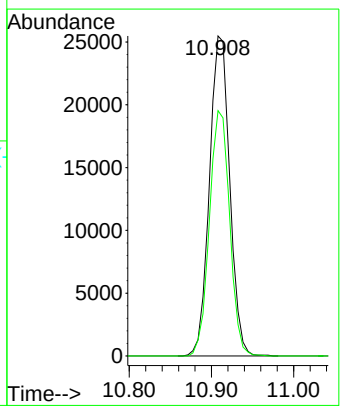


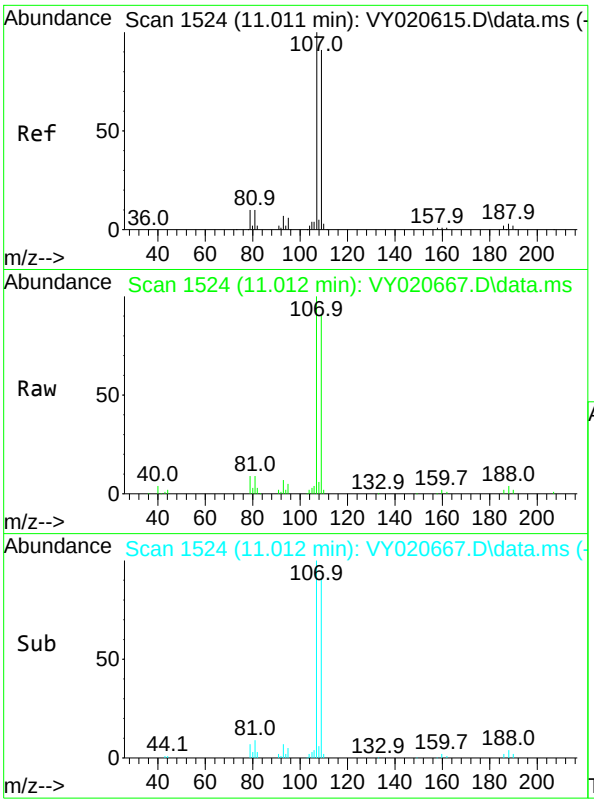


#60
Dibromochloromethane
Concen: 22.179 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion:129 Resp: 43570

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.1	114.3



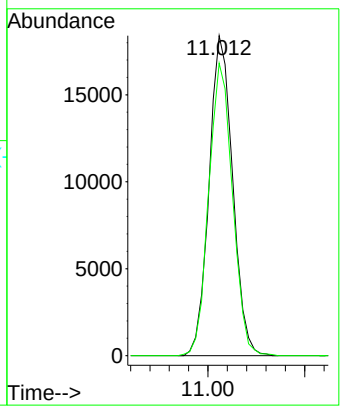


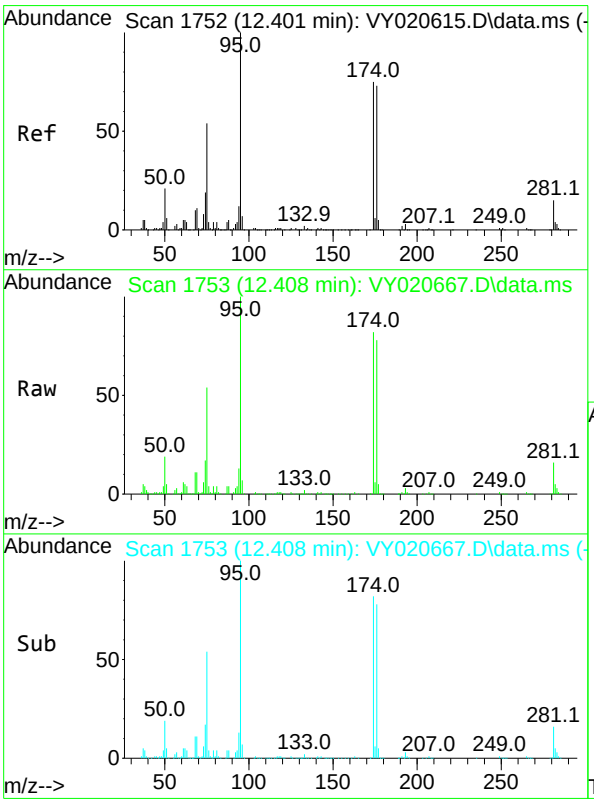
#61
1,2-Dibromoethane
Concen: 22.750 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion:107 Resp: 31084

Ion	Ratio	Lower	Upper
107	100		
109	92.3	75.4	113.2

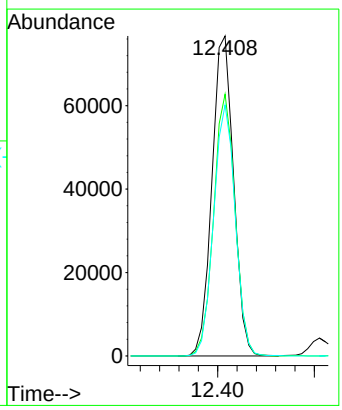


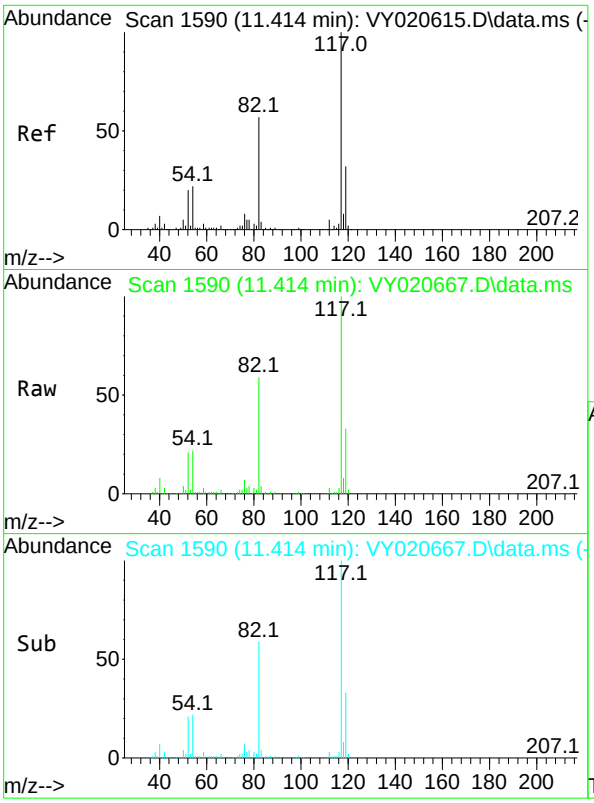


#62
4-Bromofluorobenzene
Concen: 51.581 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 95 Resp: 118853

Ion	Ratio	Lower	Upper
95	100		
174	81.0	0.0	161.8
176	78.5	0.0	156.6



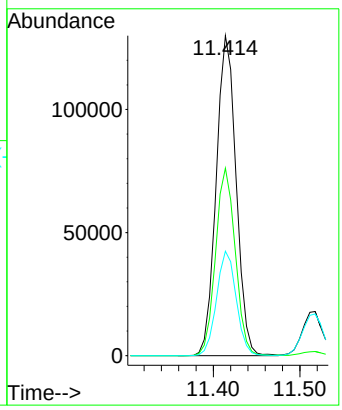


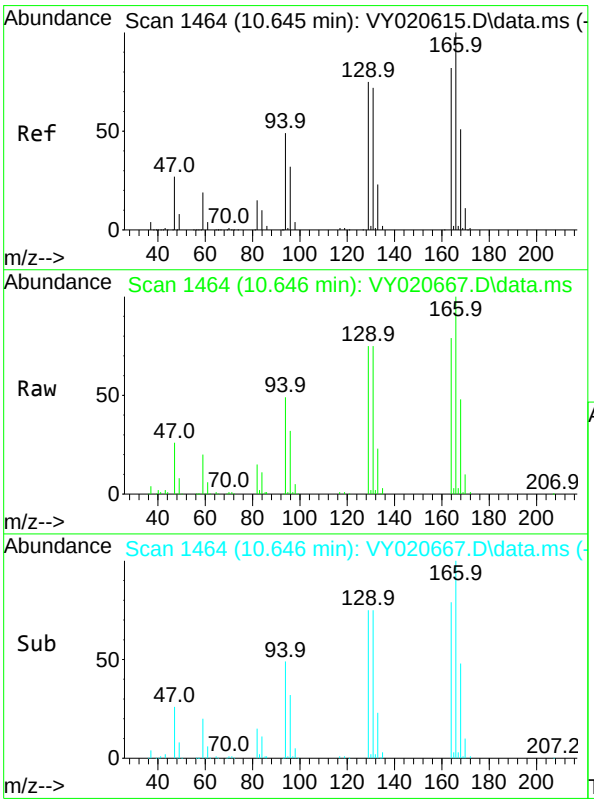
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion:117 Resp: 207851

Ion	Ratio	Lower	Upper
117	100		
82	58.6	45.8	68.6
119	32.7	25.3	37.9

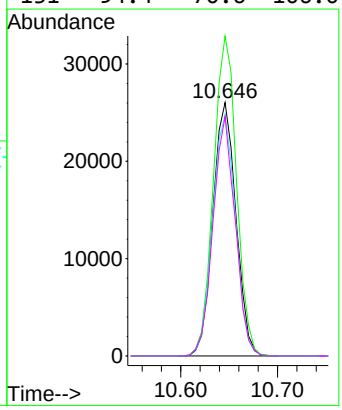


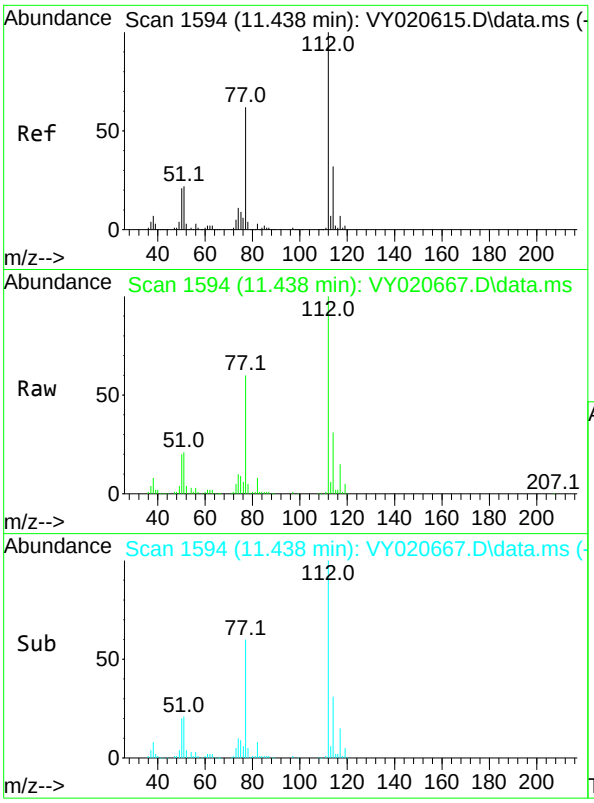


#64
Tetrachloroethene
Concen: 22.078 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion:164 Resp: 43165

Ion	Ratio	Lower	Upper
164	100		
166	126.2	97.9	146.9
129	95.1	73.4	110.0
131	94.4	70.6	106.0



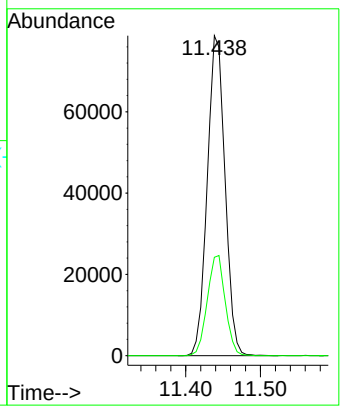


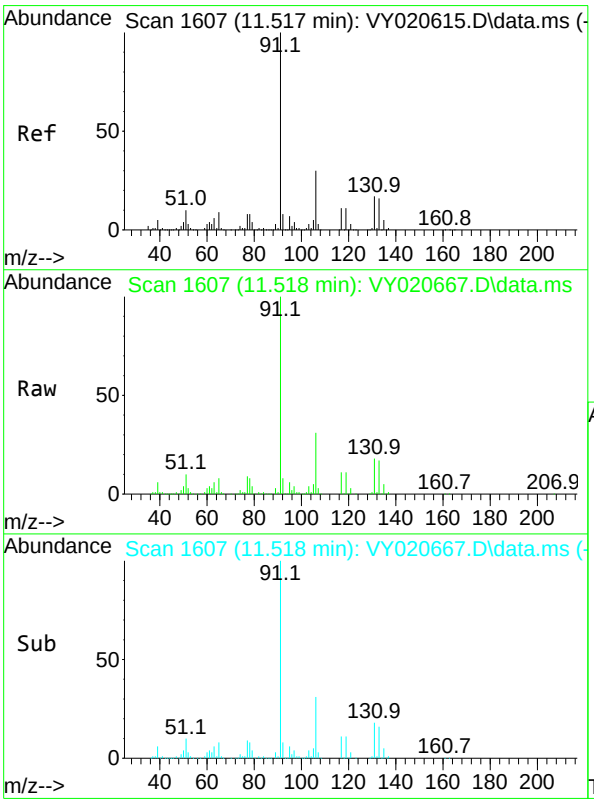
#65
Chlorobenzene
Concen: 22.358 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion:112 Resp: 129936

Ion	Ratio	Lower	Upper
112	100		
114	30.8	26.0	39.0

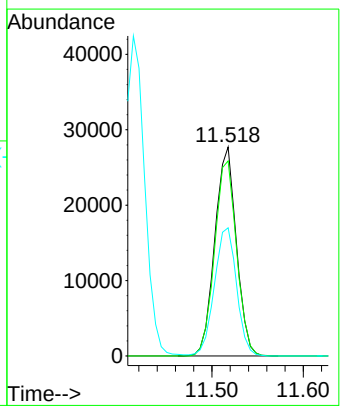


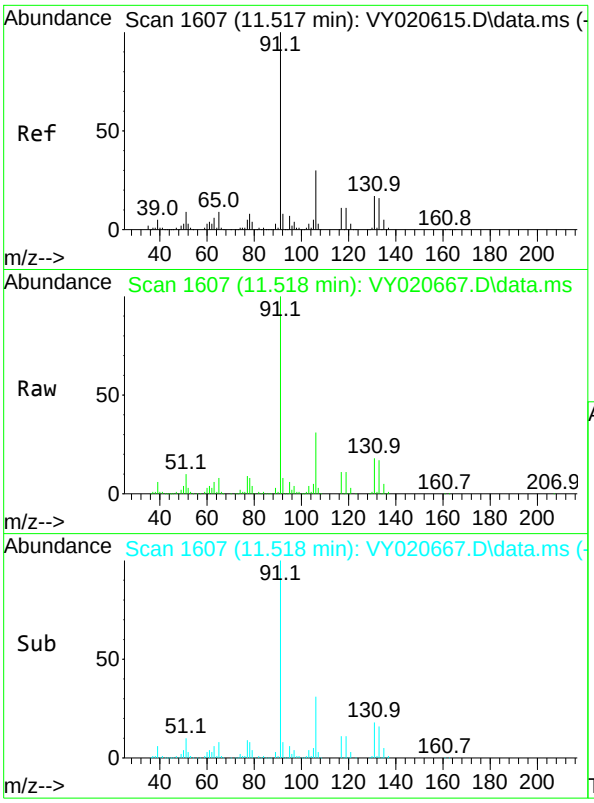


#66
1,1,1,2-Tetrachloroethane
Concen: 22.826 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion:131 Resp: 45362

Ion	Ratio	Lower	Upper
131	100		
133	95.4	46.8	140.3
119	63.1	31.8	95.3



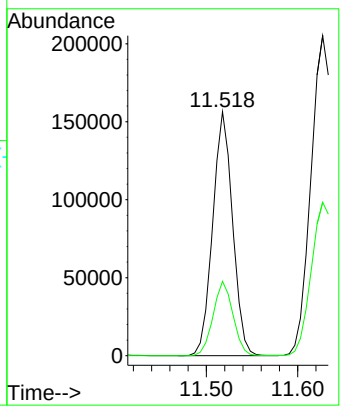


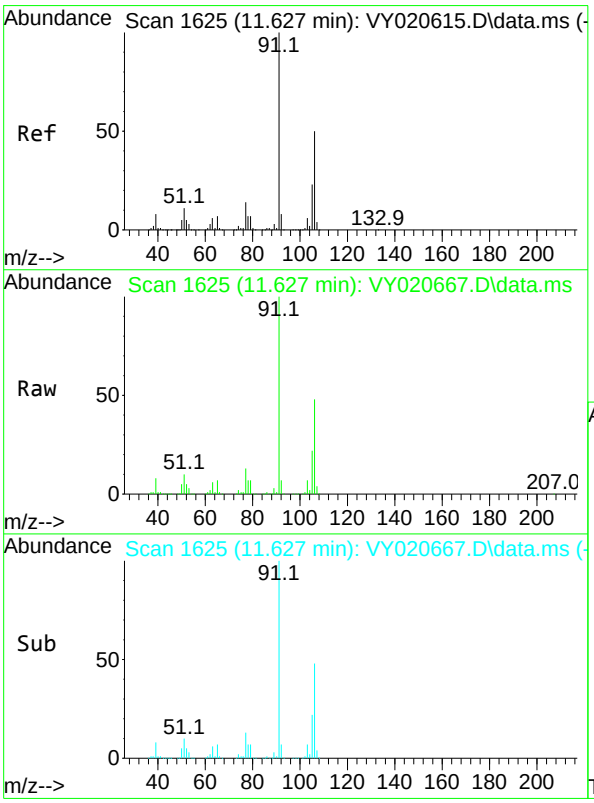
#67
Ethyl Benzene
Concen: 22.074 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 91 Resp: 236674

Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.9	35.9

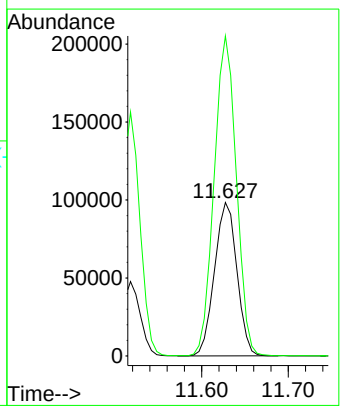


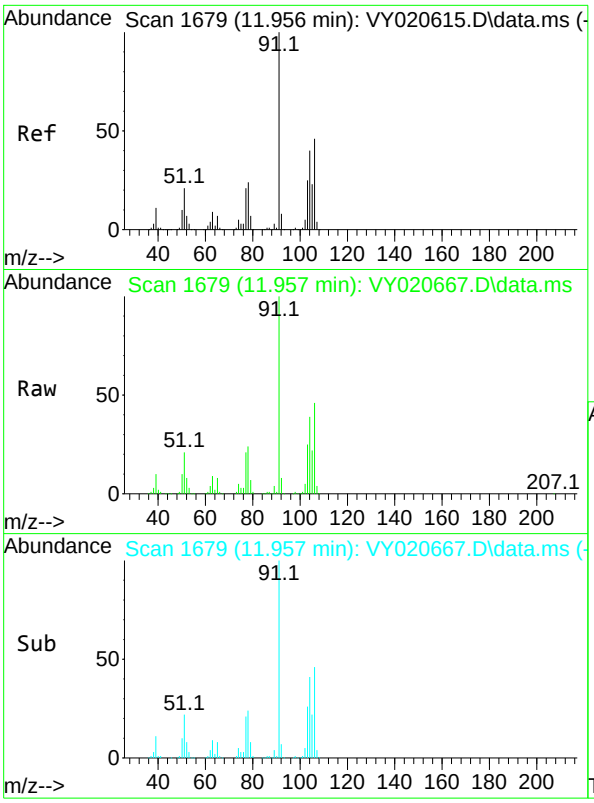


#68
m/p-Xylenes
Concen: 44.301 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion:106 Resp: 176607

Ion	Ratio	Lower	Upper
106	100		
91	207.0	165.0	247.4



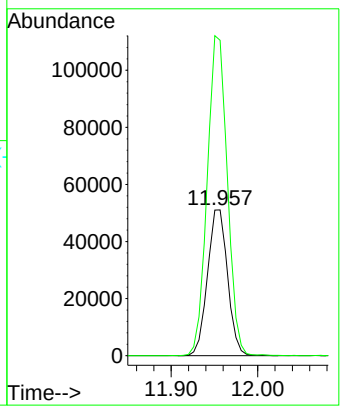


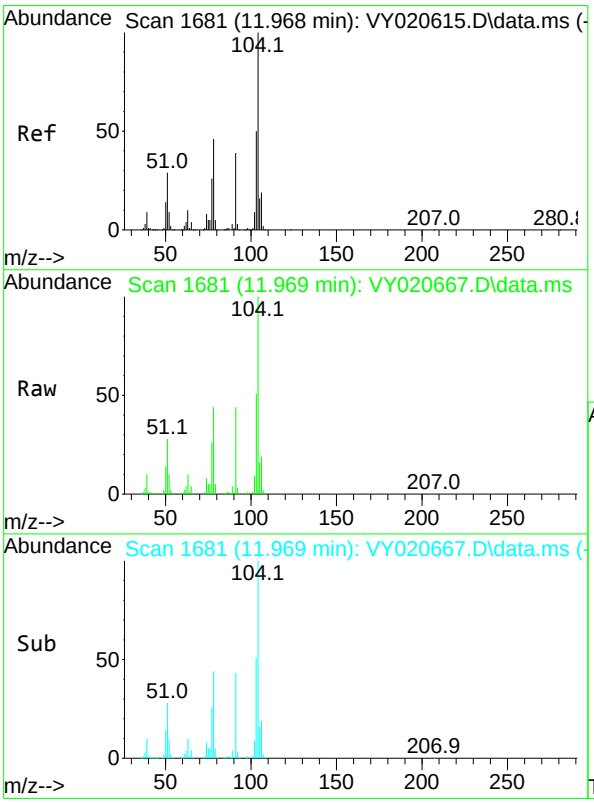
#69
o-Xylene
Concen: 22.127 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion:106 Resp: 82303

Ion	Ratio	Lower	Upper
106	100		
91	219.8	108.4	325.2

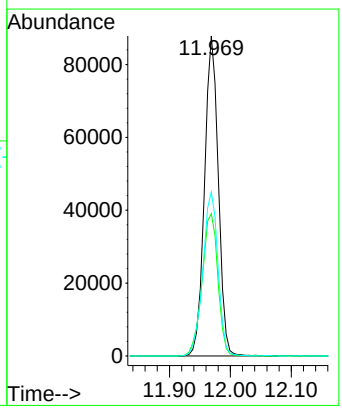


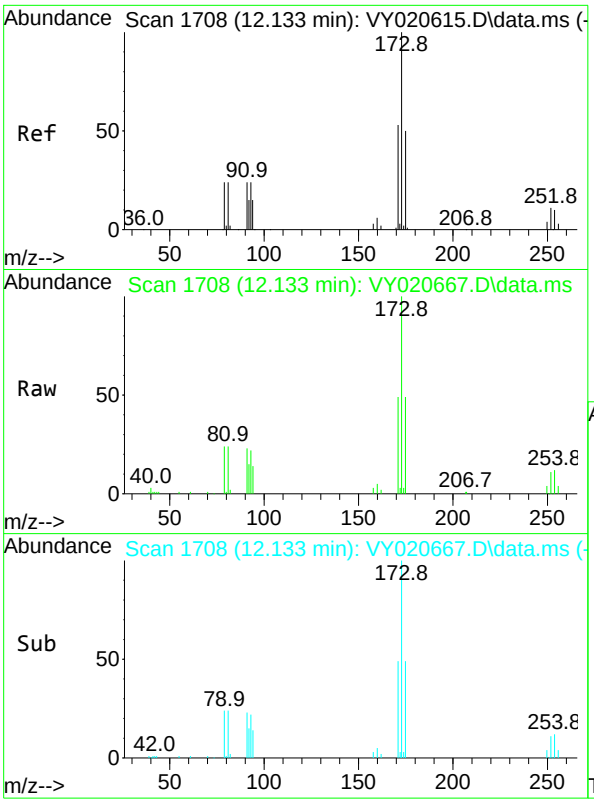


#70
Styrene
Concen: 22.284 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion:104 Resp: 138486

Ion	Ratio	Lower	Upper
104	100		
78	50.7	41.6	62.4
103	56.2	43.7	65.5



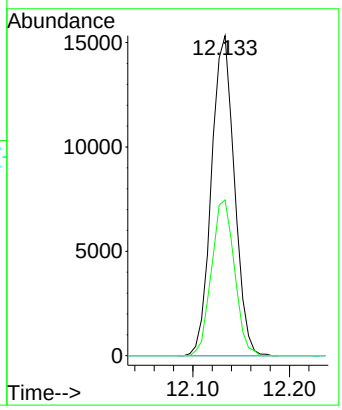


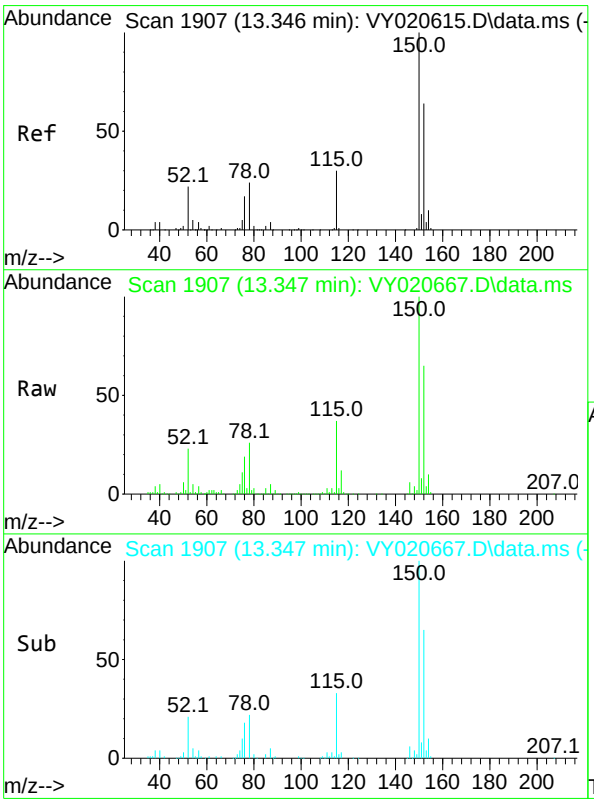
#71
Bromoform
Concen: 22.556 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion:173 Resp: 25202

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.6	74.0
254	0.0	0.0	0.0

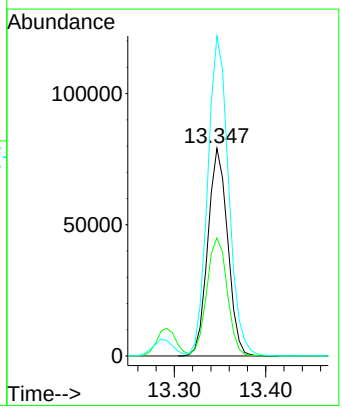


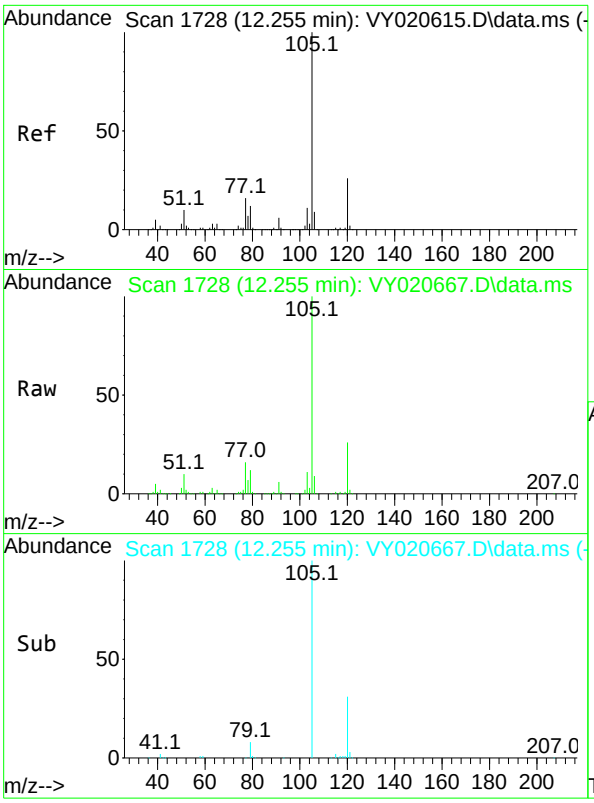


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion:152 Resp: 118816

Ion	Ratio	Lower	Upper
152	100		
115	58.7	30.2	90.6
150	163.0	0.0	355.4



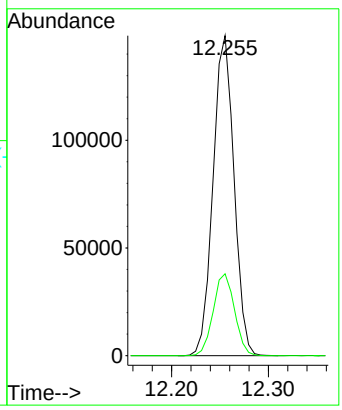


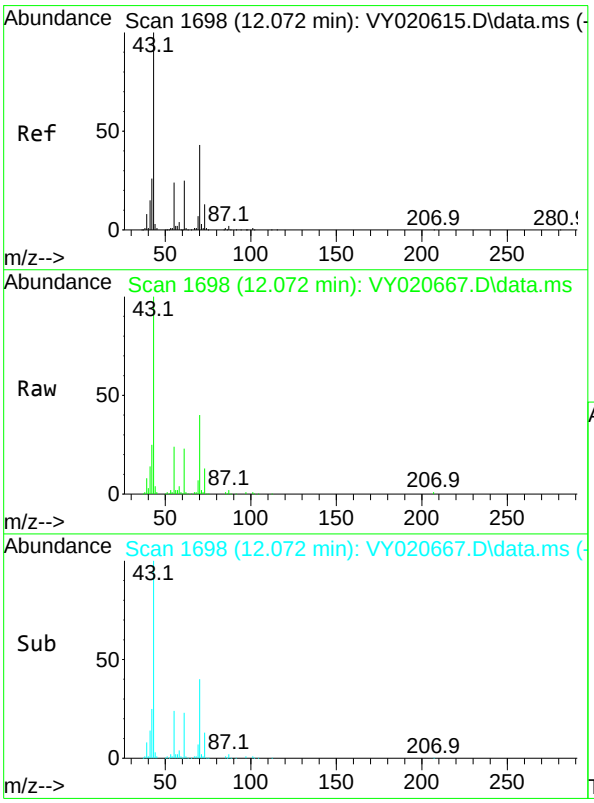
#73
Isopropylbenzene
Concen: 21.536 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion:105 Resp: 223291

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.1	39.1

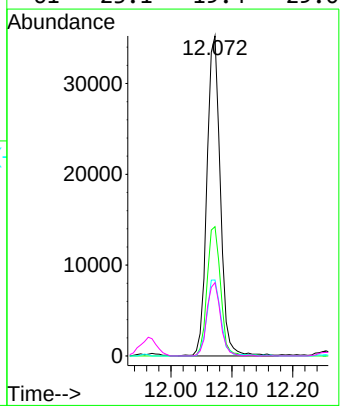


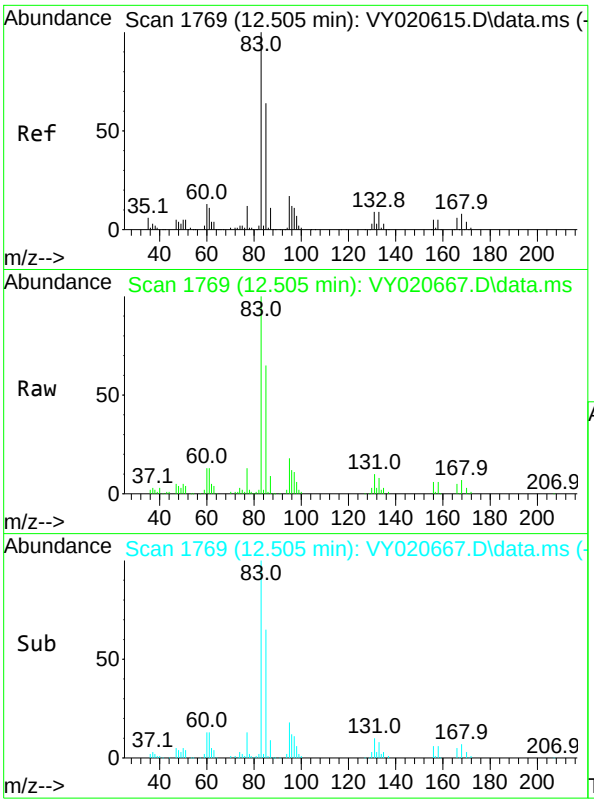


#74
N-amyl acetate
Concen: 22.269 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 43 Resp: 54037

Ion	Ratio	Lower	Upper
43	100		
70	40.7	34.2	51.2
55	24.6	19.6	29.4
61	23.1	19.4	29.0



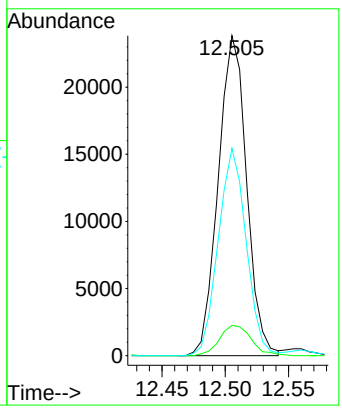


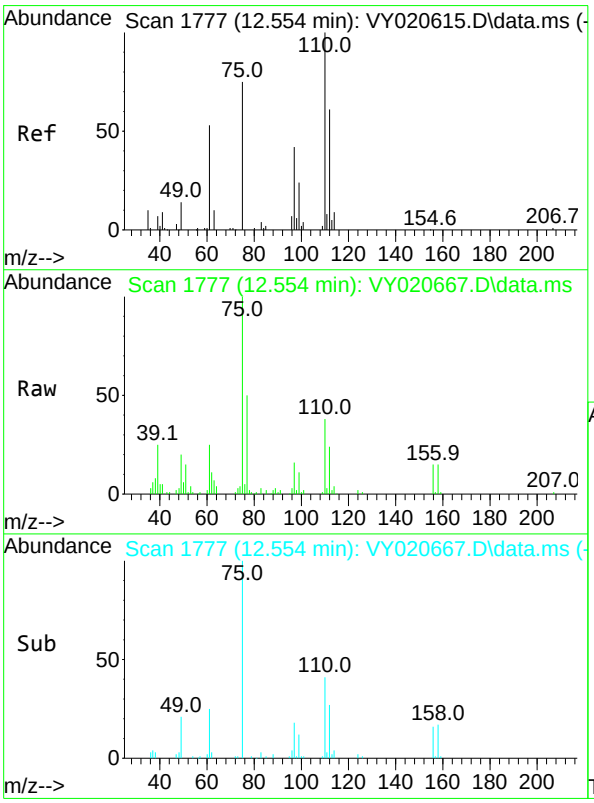
#75
1,1,2,2-Tetrachloroethane
Concen: 22.056 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 83 Resp: 37121

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.2	15.6
85	63.8	32.5	97.4

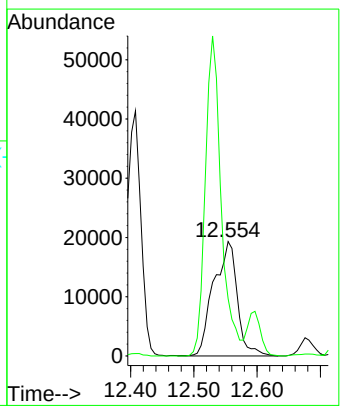


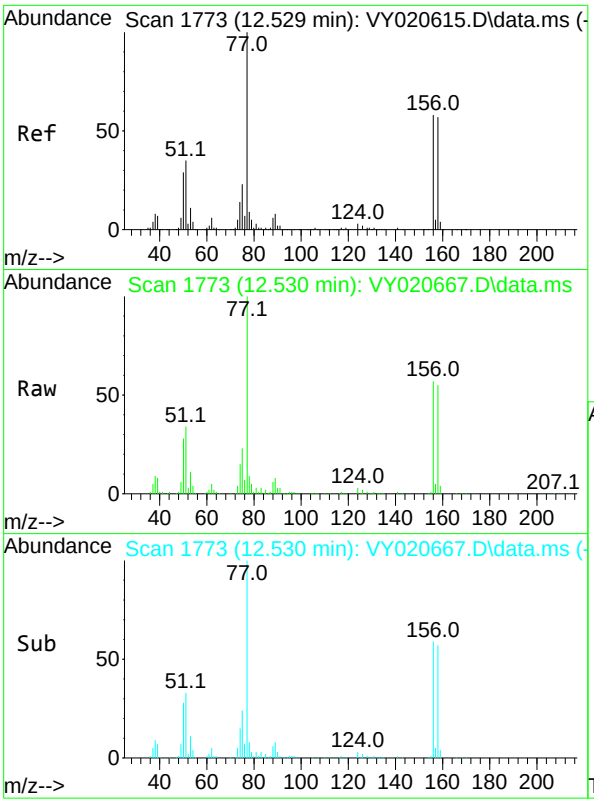


#76
1,2,3-Trichloropropane
Concen: 40.668 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 75 Resp: 50195

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



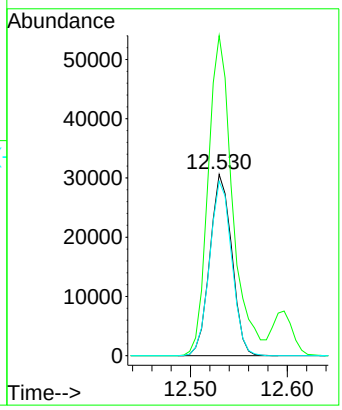


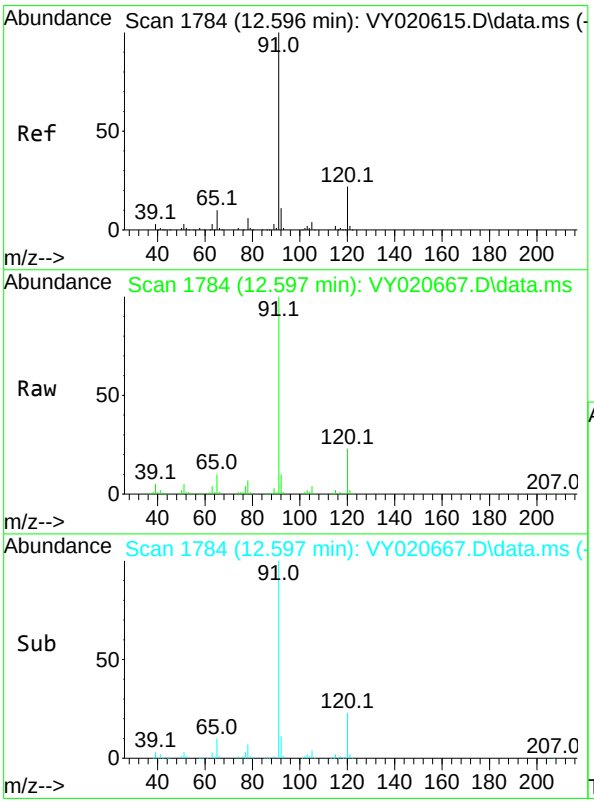
#77
Bromobenzene
Concen: 21.353 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion:156 Resp: 48228

Ion	Ratio	Lower	Upper
156	100		
77	197.3	94.2	282.4
158	97.3	48.9	146.6

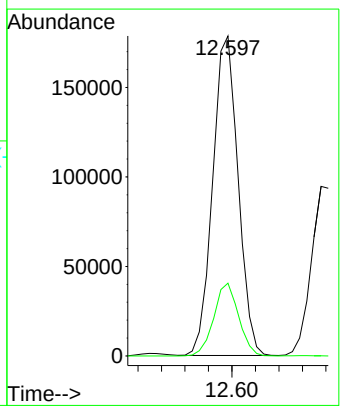


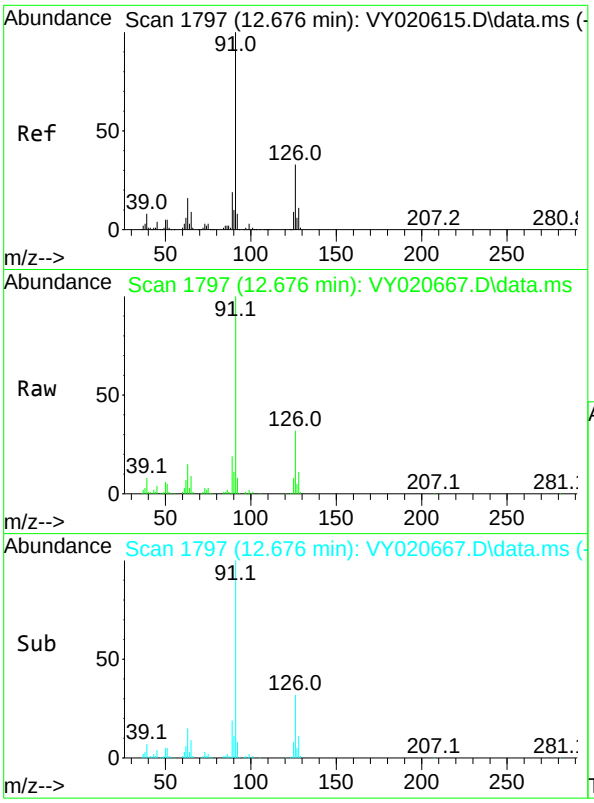


#78
n-propylbenzene
Concen: 21.448 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 91 Resp: 267926

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1



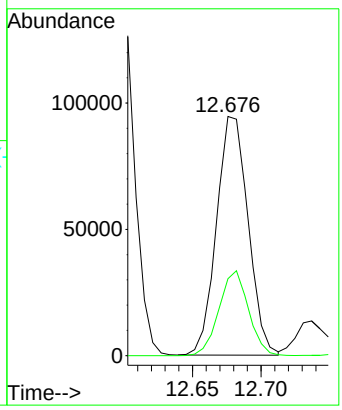


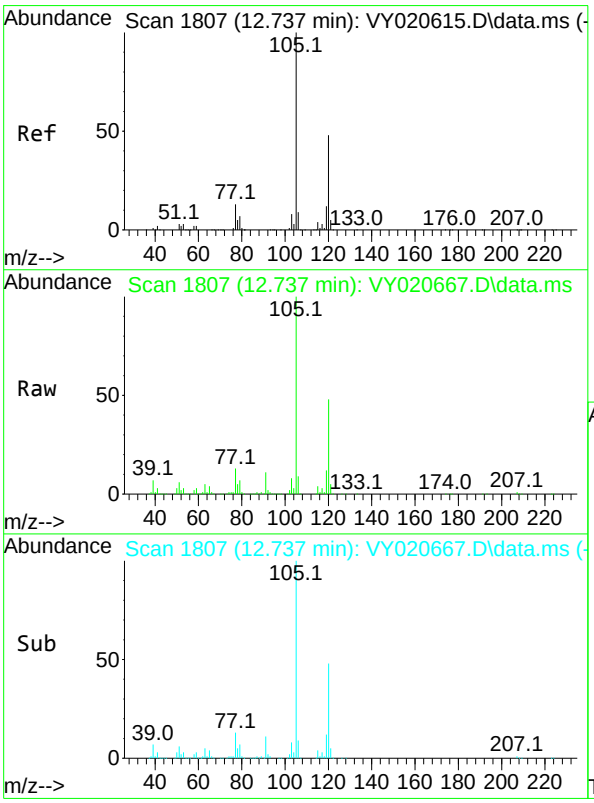
#79
2-Chlorotoluene
Concen: 21.578 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 91 Resp: 151653

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.6	49.7

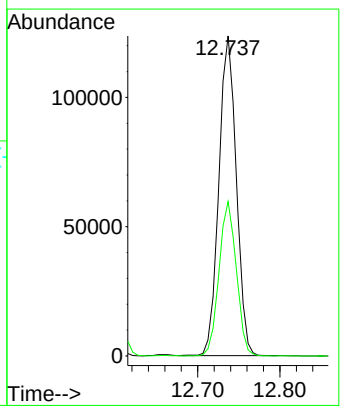


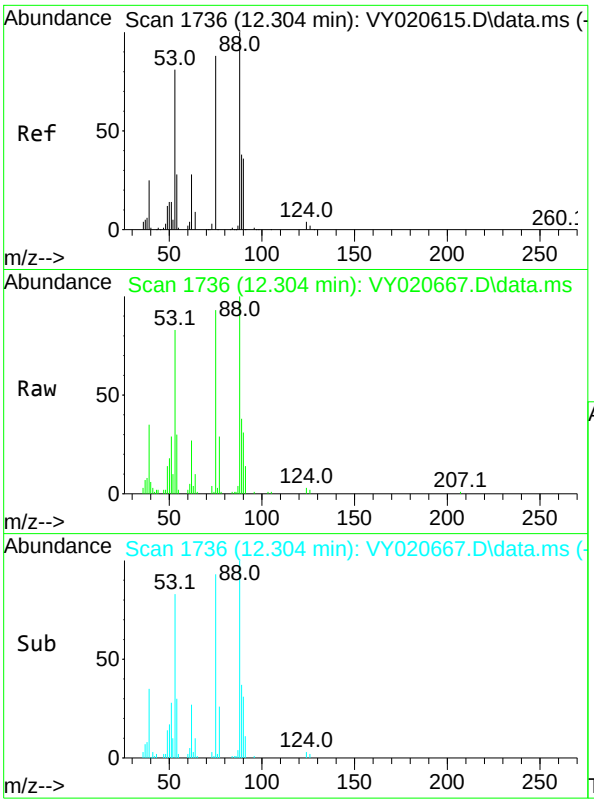


#80
1,3,5-Trimethylbenzene
Concen: 21.675 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion:105 Resp: 182355

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.9	71.7



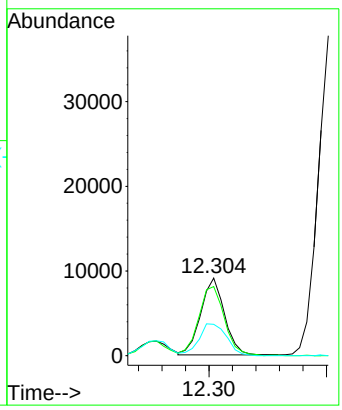


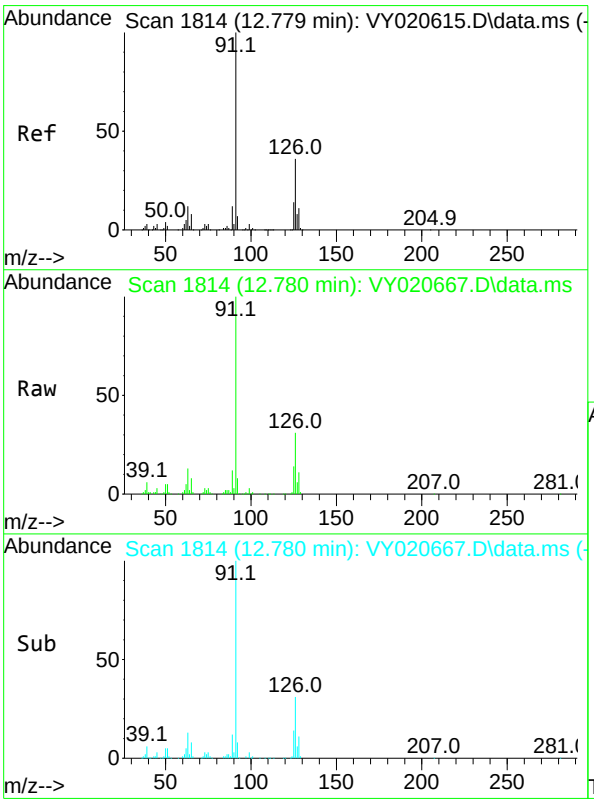
#81
trans-1,4-Dichloro-2-butene
Concen: 21.583 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 75 Resp: 12691

Ion	Ratio	Lower	Upper
75	100		
53	98.5	75.4	113.2
89	48.6	37.0	55.4

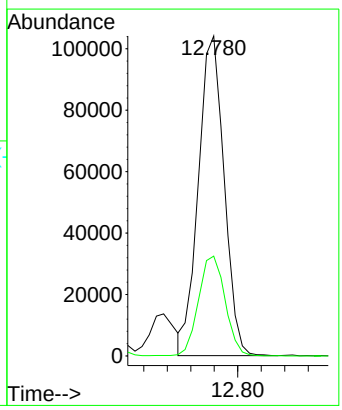


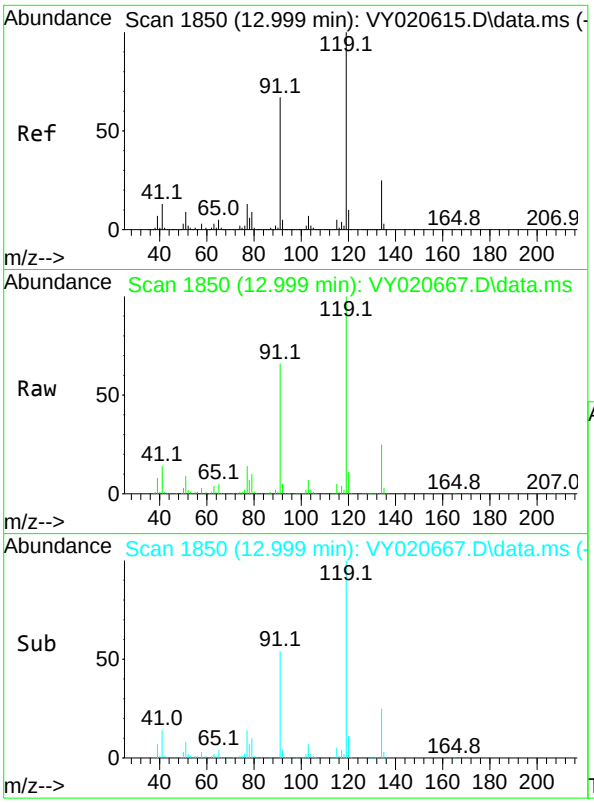


#82
4-Chlorotoluene
Concen: 21.706 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 91 Resp: 158267

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.6	49.7



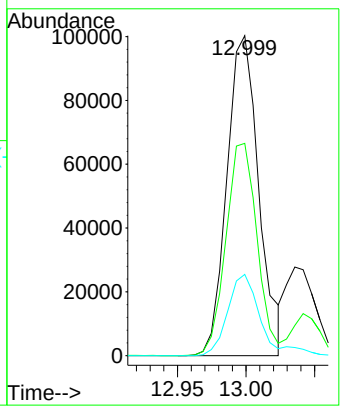


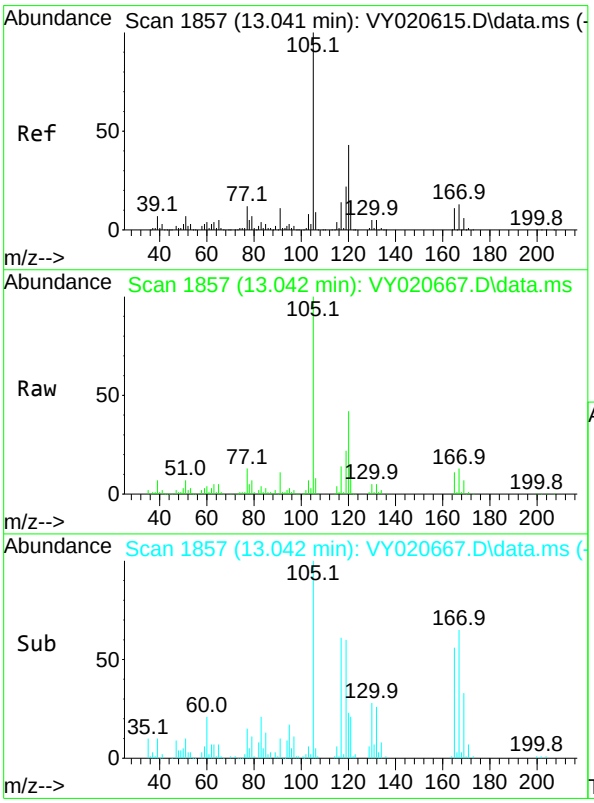
#83
tert-Butylbenzene
Concen: 21.364 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion:119 Resp: 162779

Ion	Ratio	Lower	Upper
119	100		
91	64.7	32.9	98.6
134	26.2	13.1	39.1

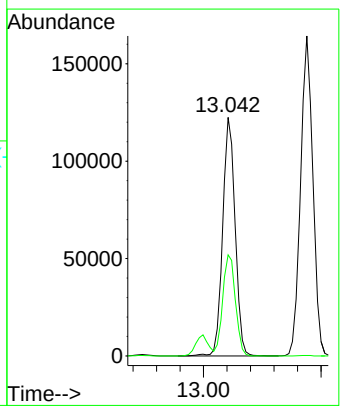


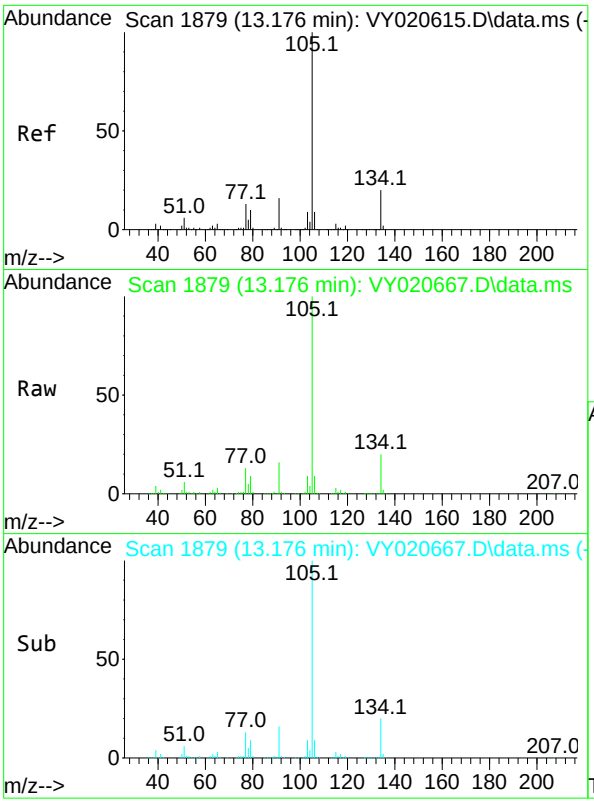


#84
1,2,4-Trimethylbenzene
Concen: 21.837 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion:105 Resp: 180211

Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.8	65.4



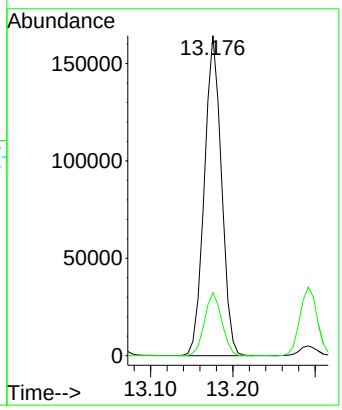


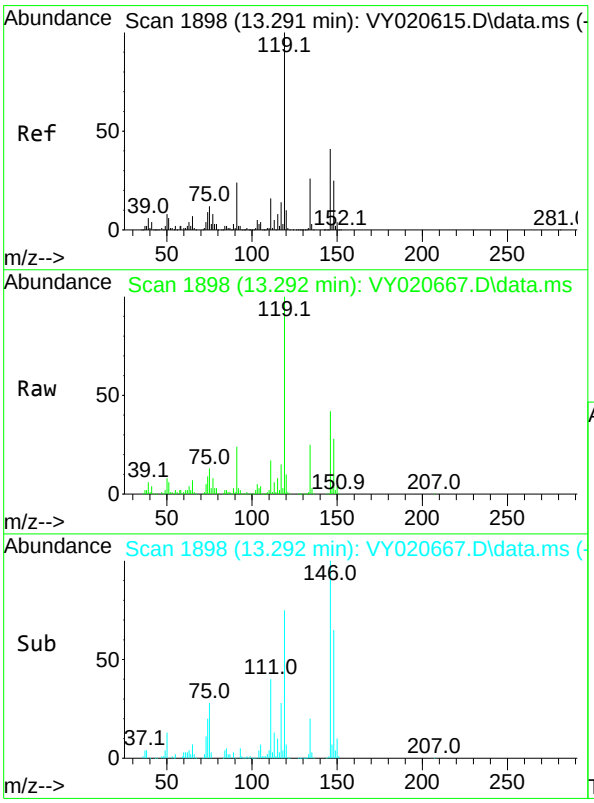
#85
sec-Butylbenzene
Concen: 21.499 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion:105 Resp: 238168

Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.0	30.0

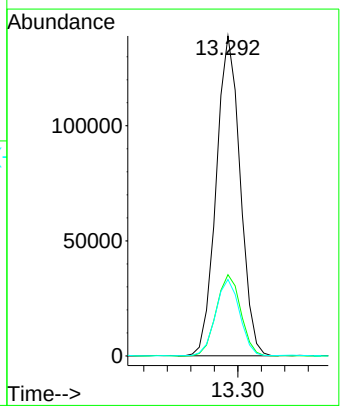


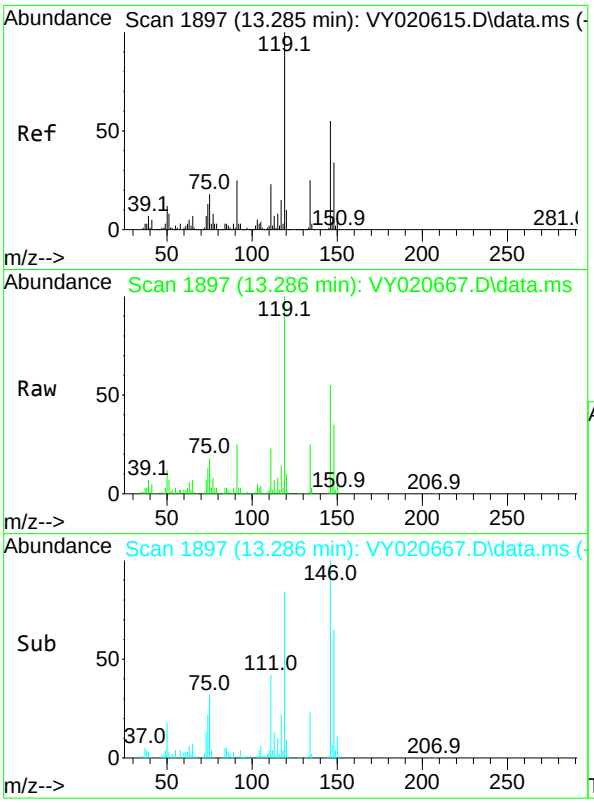


#86
p-Isopropyltoluene
Concen: 21.573 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion:119 Resp: 197046

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.9	38.6
91	24.1	12.1	36.3



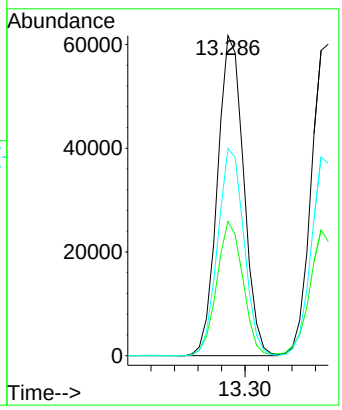


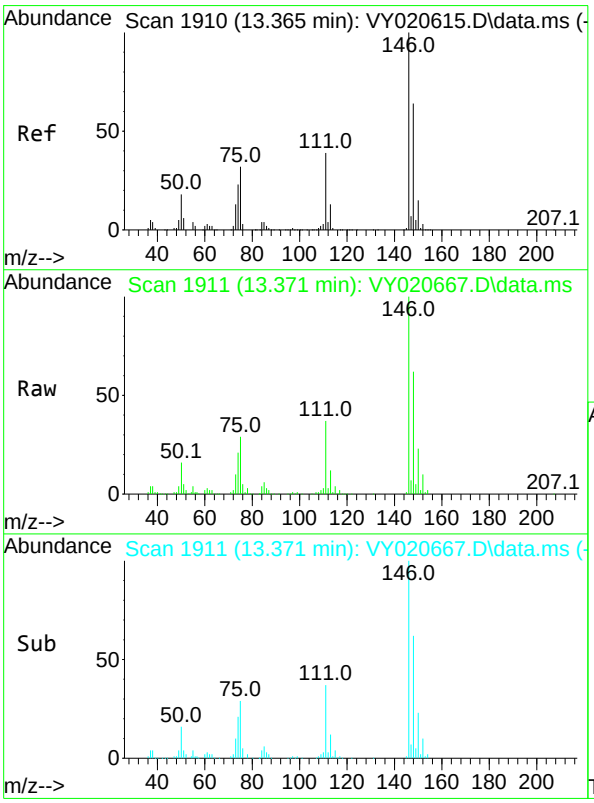
#87
1,3-Dichlorobenzene
Concen: 21.429 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion:146 Resp: 95540

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.6	61.8
148	65.0	31.4	94.0

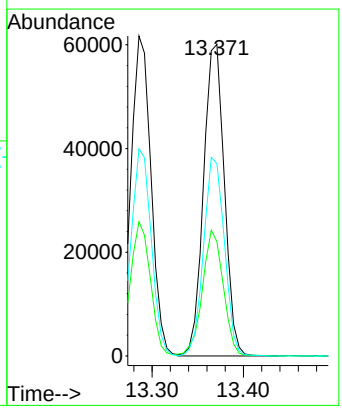


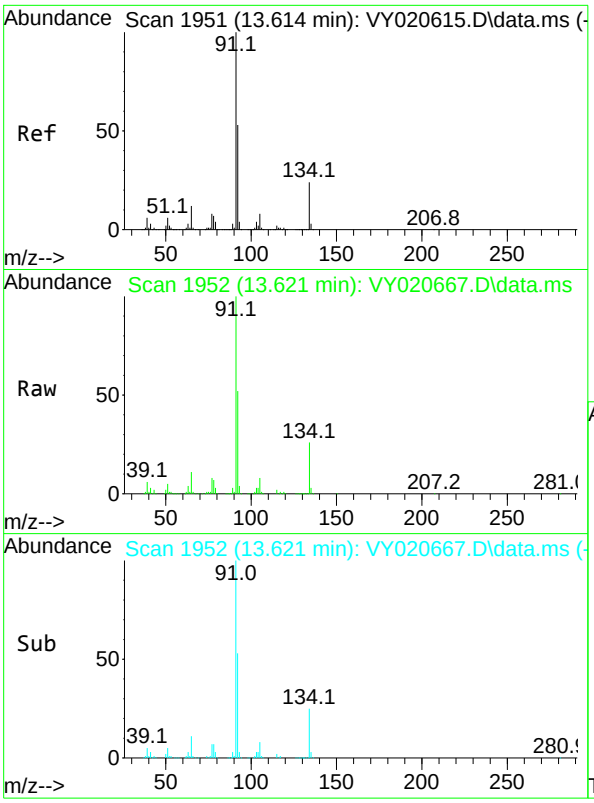


#88
1,4-Dichlorobenzene
Concen: 21.519 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion:146 Resp: 95023

Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.6	58.7
148	63.9	31.9	95.5



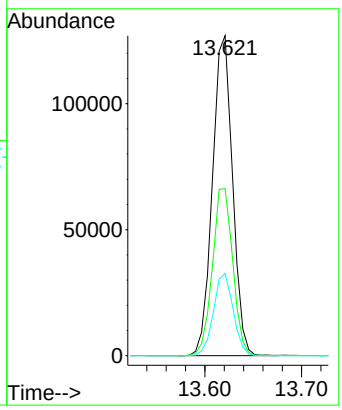


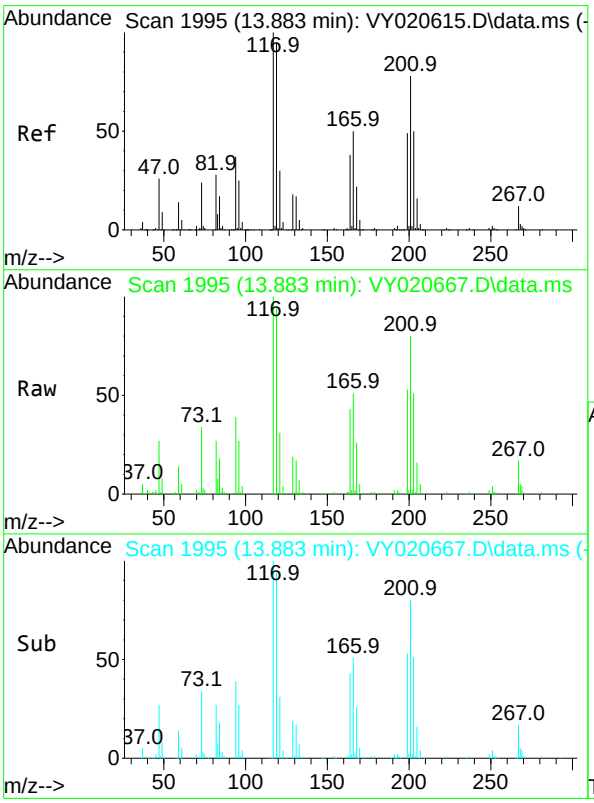
#89
n-Butylbenzene
Concen: 21.186 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion: 91 Resp: 183392

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.8	80.4
134	25.2	12.5	37.5

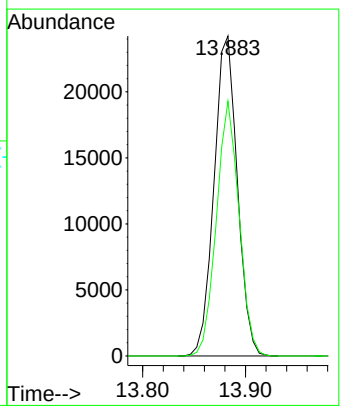


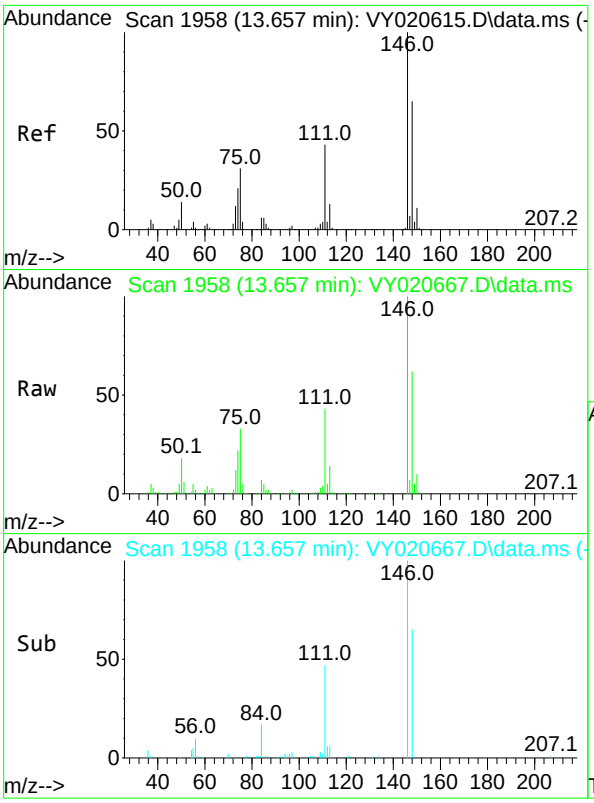


#90
Hexachloroethane
Concen: 21.066 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion:117 Resp: 38132

Ion	Ratio	Lower	Upper
117	100		
201	77.3	39.1	117.3



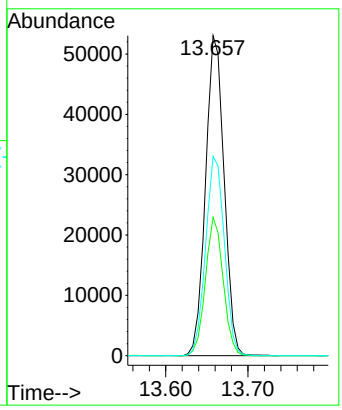


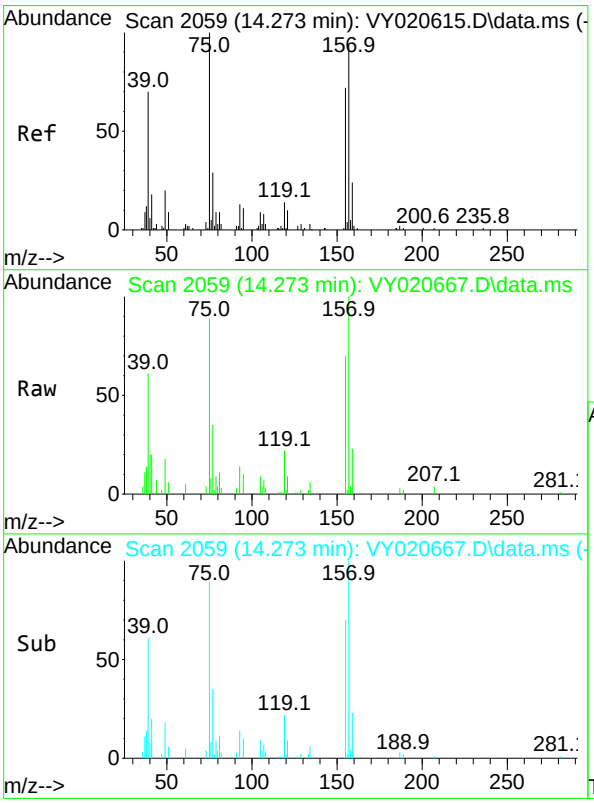
#91
1,2-Dichlorobenzene
Concen: 21.520 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion:146 Resp: 83132

Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.3	63.7
148	63.1	32.0	96.0

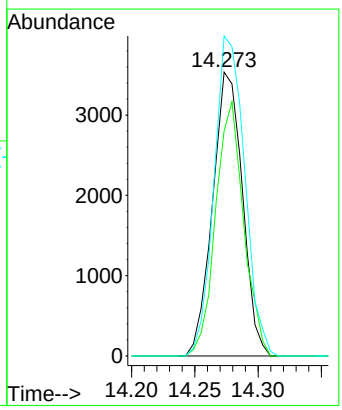


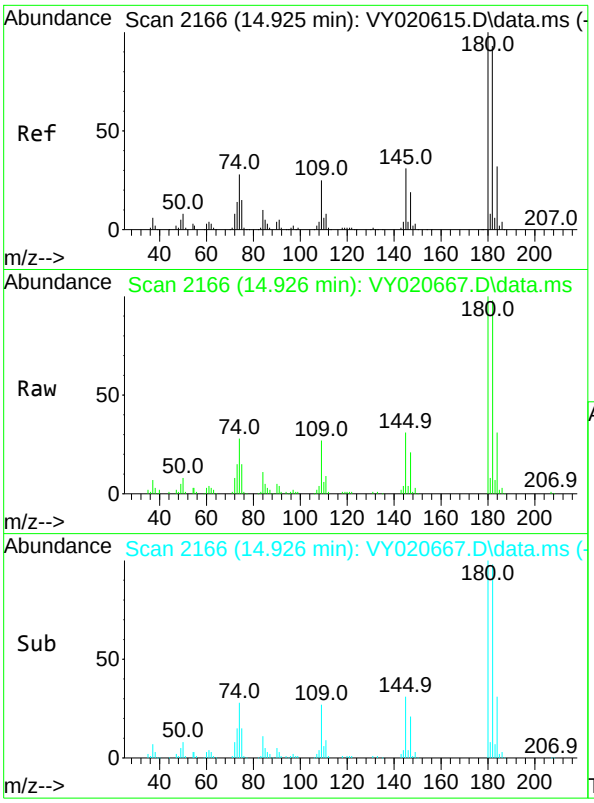


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.190 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion: 75 Resp: 5790

Ion	Ratio	Lower	Upper
75	100		
155	84.0	41.1	123.3
157	115.6	52.9	158.8



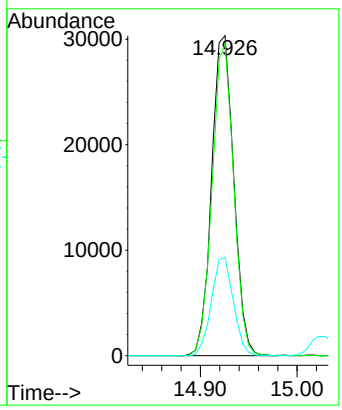


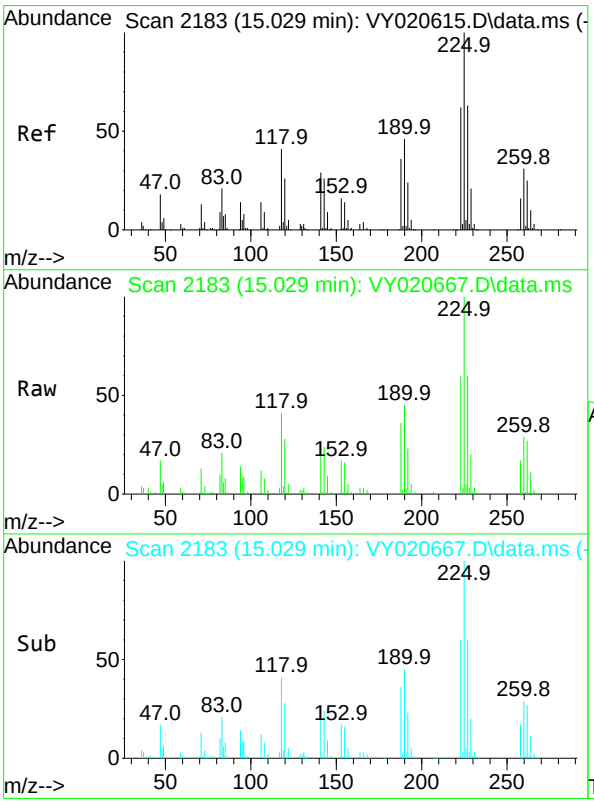
#93
1,2,4-Trichlorobenzene
Concen: 20.610 ug/l
RT: 14.926 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion:180 Resp: 48158

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.6
145	30.5	15.6	46.7

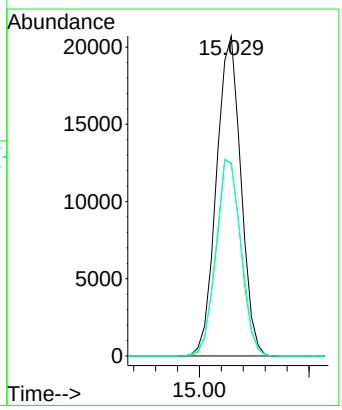


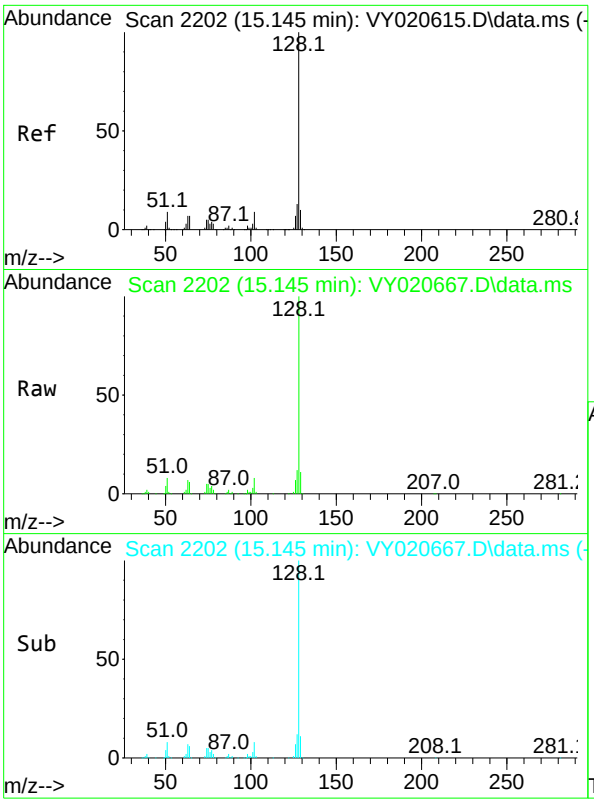


#94
Hexachlorobutadiene
Concen: 20.986 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion:225 Resp: 32056

Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.8	95.3
227	63.2	32.2	96.6



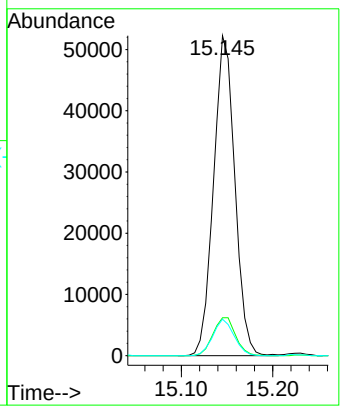


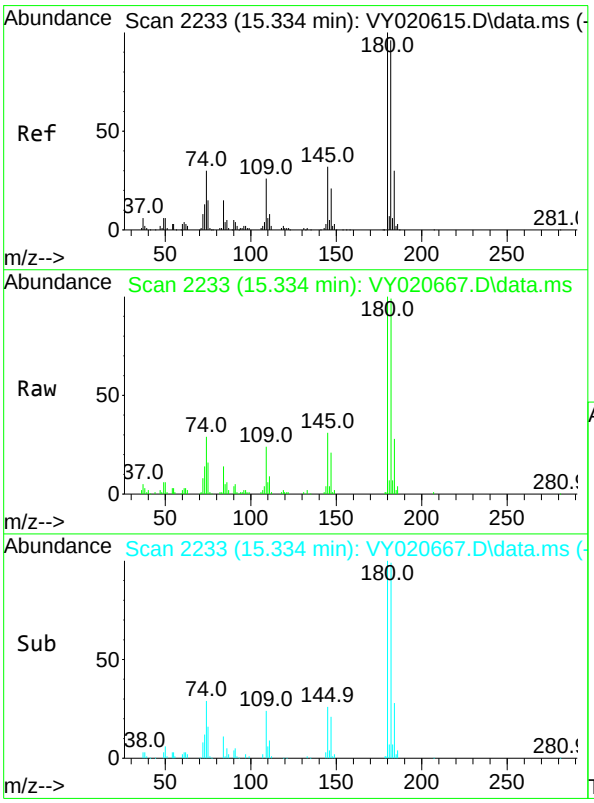
#95
Naphthalene
Concen: 21.127 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBSD01

Tgt Ion:128 Resp: 84632

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.7	16.1
129	11.4	8.5	12.7

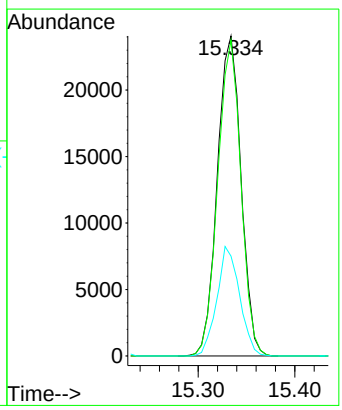




#96
1,2,3-Trichlorobenzene
Concen: 20.750 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY020667.D
Acq: 20 Dec 2024 13:34

Tgt Ion:180 Resp: 40965

Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	141.9
145	32.8	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020672.D
Acq On : 20 Dec 2024 15:44
Operator : SY/MD
Sample : P5316-04
Misc : 5.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4

Quant Time: Dec 20 18:09:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

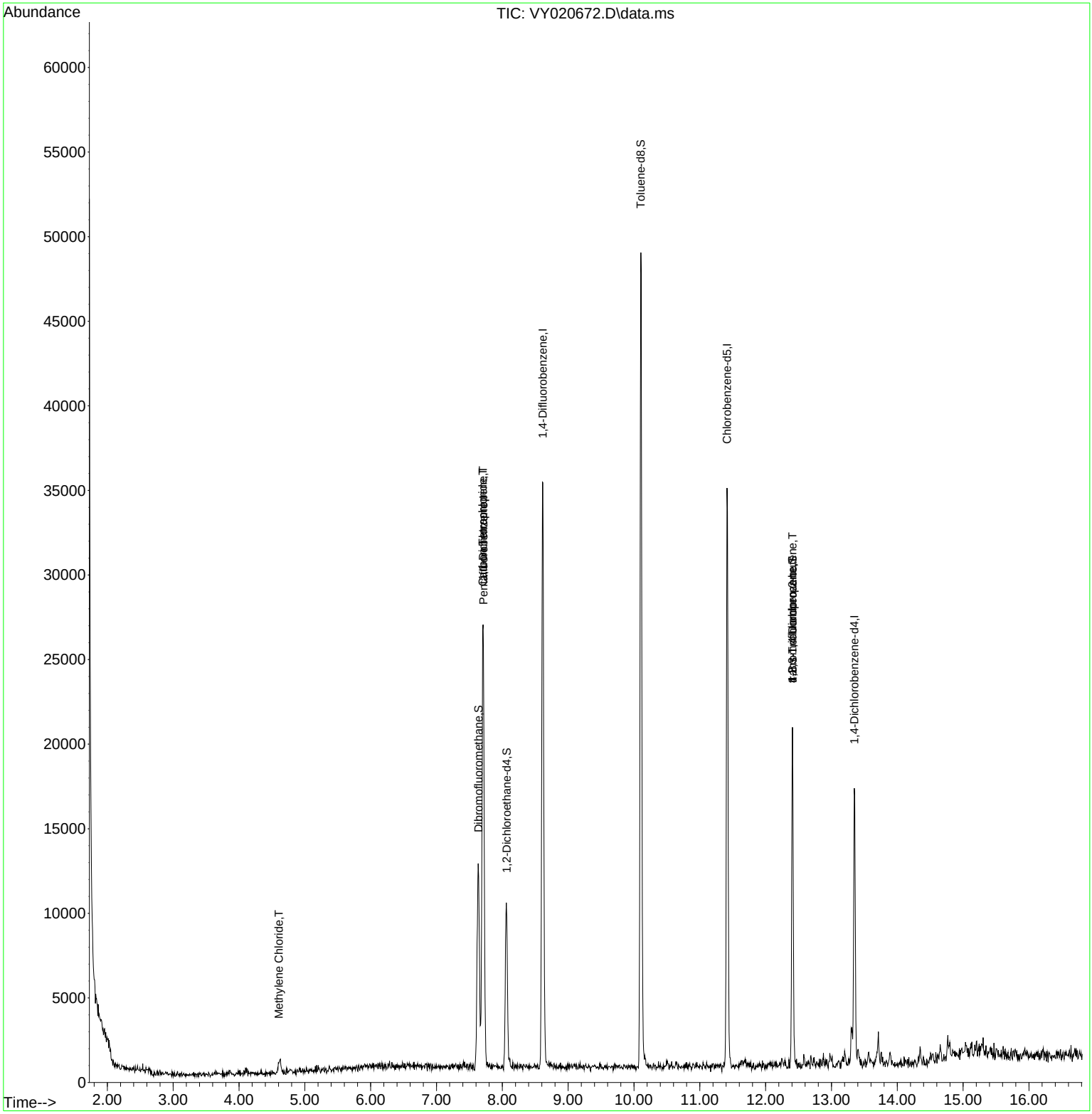
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	21219	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	29944	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	18784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	4327	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	8111	34.902	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	69.800%		
35) Dibromofluoromethane	7.640	113	9056	42.912	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.820%		
50) Toluene-d8	10.103	98	33418	45.241	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.480%		
62) 4-Bromofluorobenzene	12.408	95	6269	21.696	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	43.400%		
Target Compounds						Qvalue
16) Acetone	3.854	43	216	Below Cal	#	43
20) Methylene Chloride	4.604	84	316	1.094	ug/l #	60
30) Chloroform	7.409	83	23	Below Cal	#	17
36) 1,1-Dichloropropene	7.707	75	1727	4.488	ug/l #	45
38) Carbon Tetrachloride	7.701	117	2046	4.806	ug/l #	11
76) 1,2,3-Trichloropropane	12.408	75	3686	82.004	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	3686	172.129	ug/l #	12

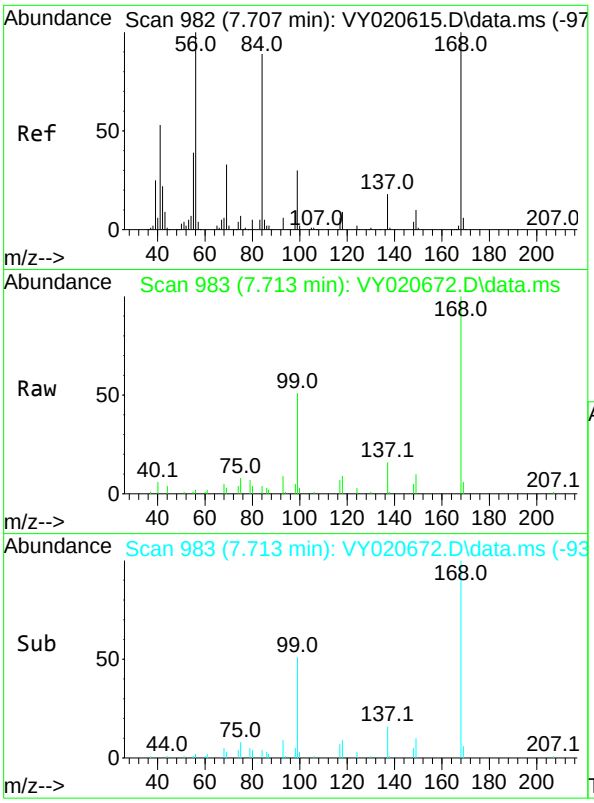
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020672.D
Acq On : 20 Dec 2024 15:44
Operator : SY/MD
Sample : P5316-04
Misc : 5.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4

Quant Time: Dec 20 18:09:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration



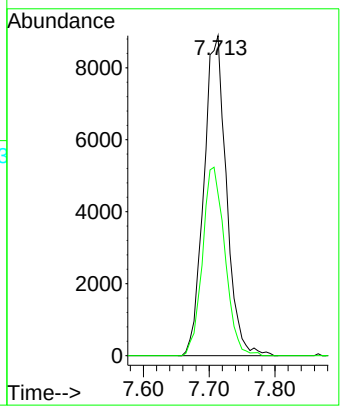


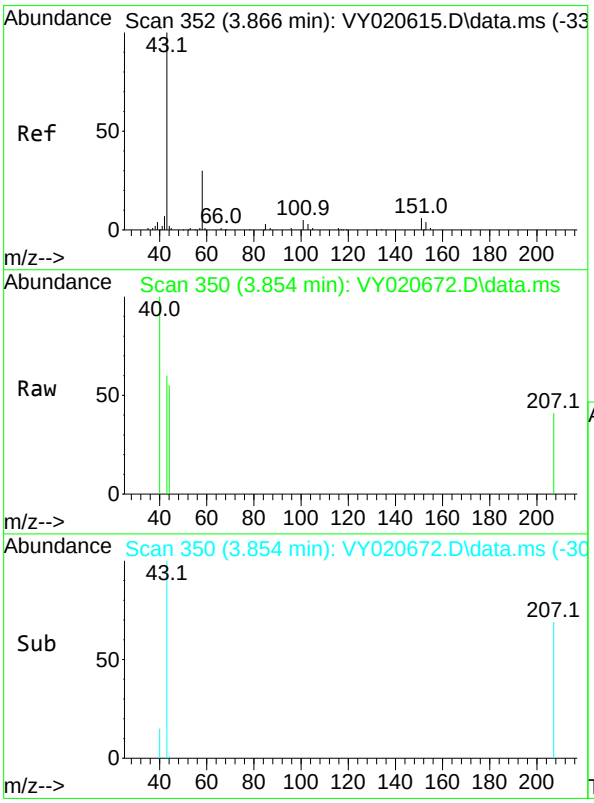
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020672.D
Acq: 20 Dec 2024 15:44

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4

Tgt Ion:168 Resp: 21219

Ion	Ratio	Lower	Upper
168	100		
99	50.6	47.0	70.6

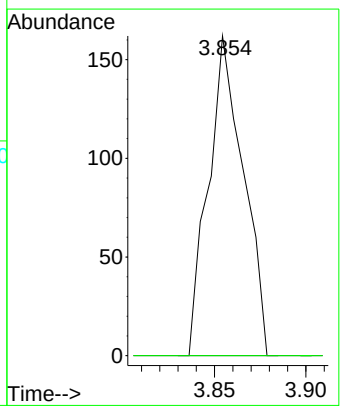


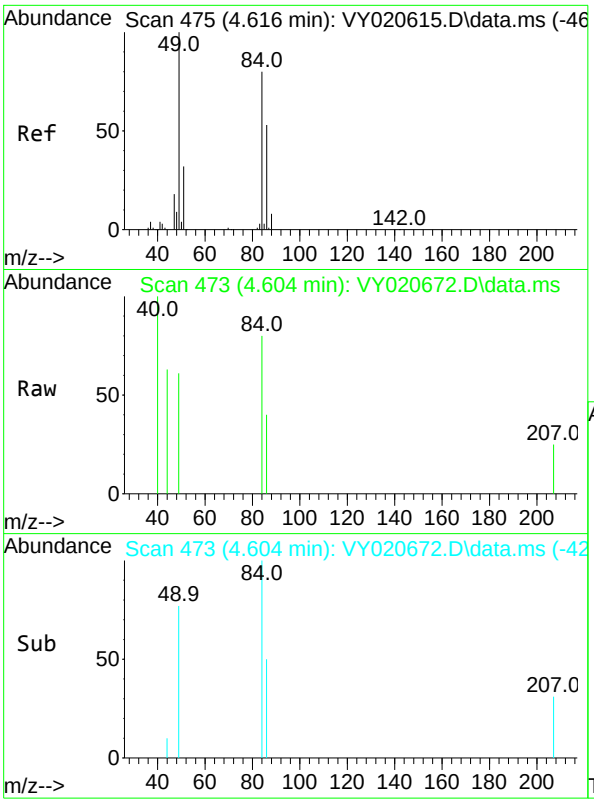


#16
Acetone
Concen: Below Cal
RT: 3.854 min Scan# 350
Delta R.T. -0.012 min
Lab File: VY020672.D
Acq: 20 Dec 2024 15:44

Tgt Ion: 43 Resp: 216

Ion	Ratio	Lower	Upper
43	100		
58	0.0	25.0	37.6#



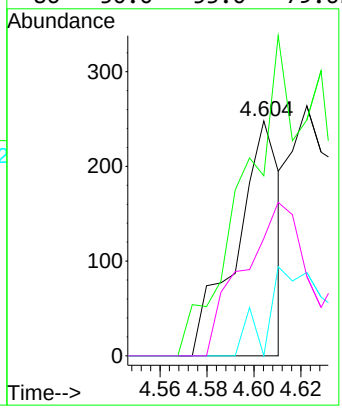


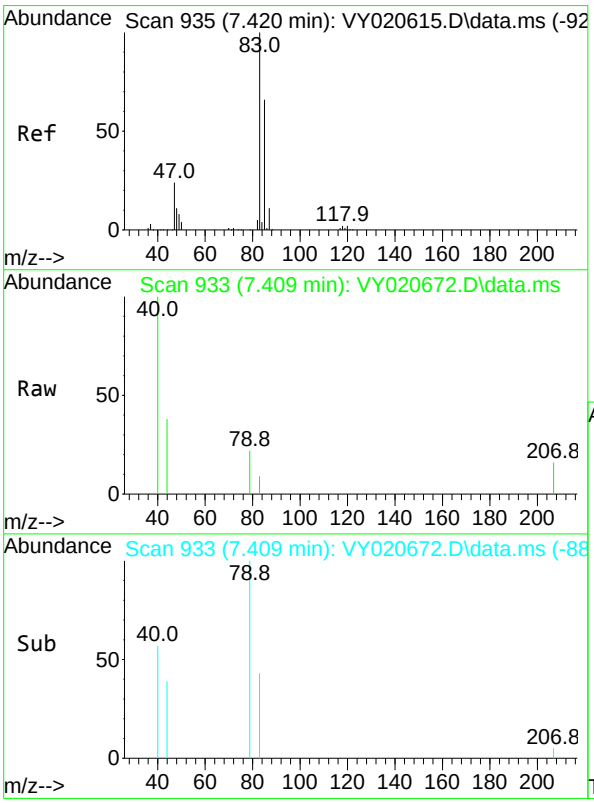
#20
Methylene Chloride
Concen: 1.094 ug/l
RT: 4.604 min Scan# 4
Delta R.T. -0.012 min
Lab File: VY020672.D
Acq: 20 Dec 2024 15:44

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4

Tgt Ion: 84 Resp: 316

Ion	Ratio	Lower	Upper
84	100		
49	76.6	100.7	151.1#
51	0.0	32.2	48.2#
86	50.0	53.0	79.6#

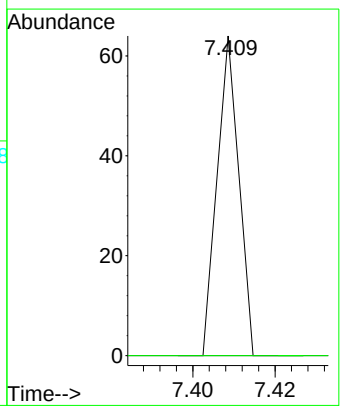


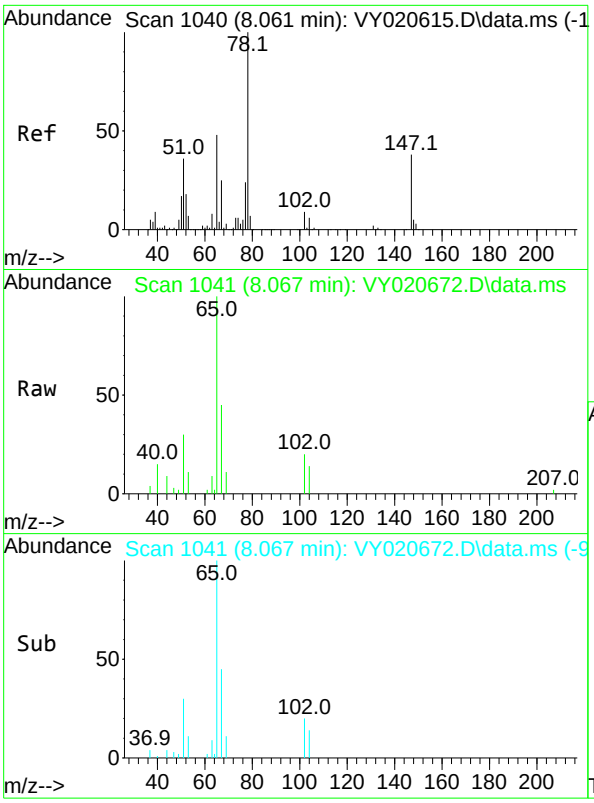


#30
Chloroform
Concen: Below Cal
RT: 7.409 min Scan# 933
Delta R.T. -0.011 min
Lab File: VY020672.D
Acq: 20 Dec 2024 15:44

Tgt Ion: 83 Resp: 23

Ion	Ratio	Lower	Upper
83	100		
85	0.0	52.7	79.1#



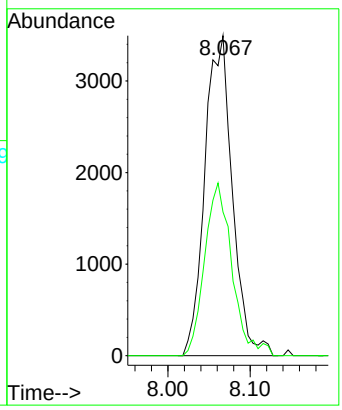


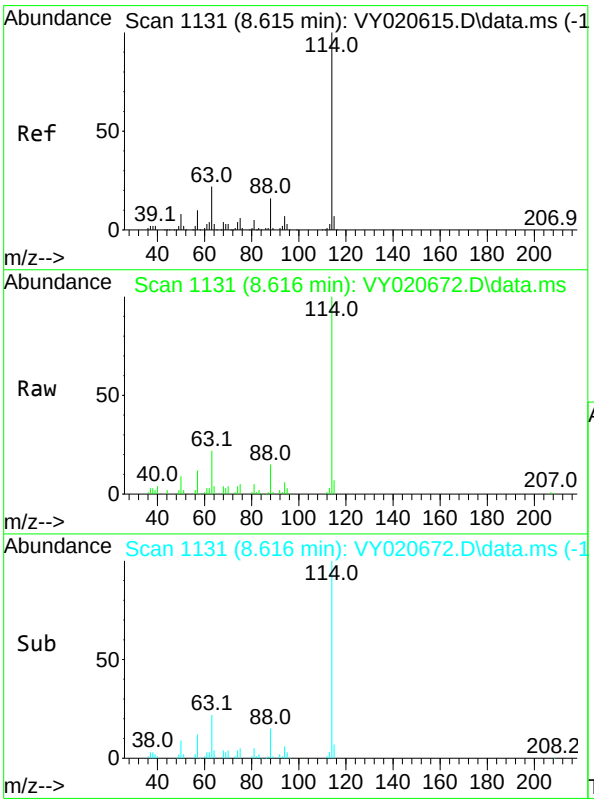
#33
1,2-Dichloroethane-d4
Concen: 34.902 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020672.D
Acq: 20 Dec 2024 15:44

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4

Tgt Ion: 65 Resp: 8111

Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	108.0

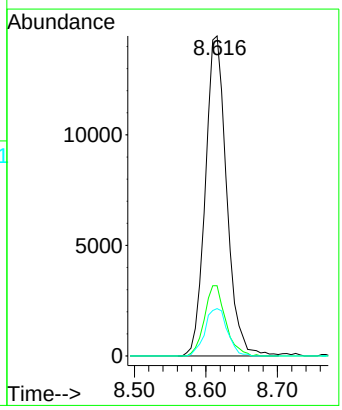


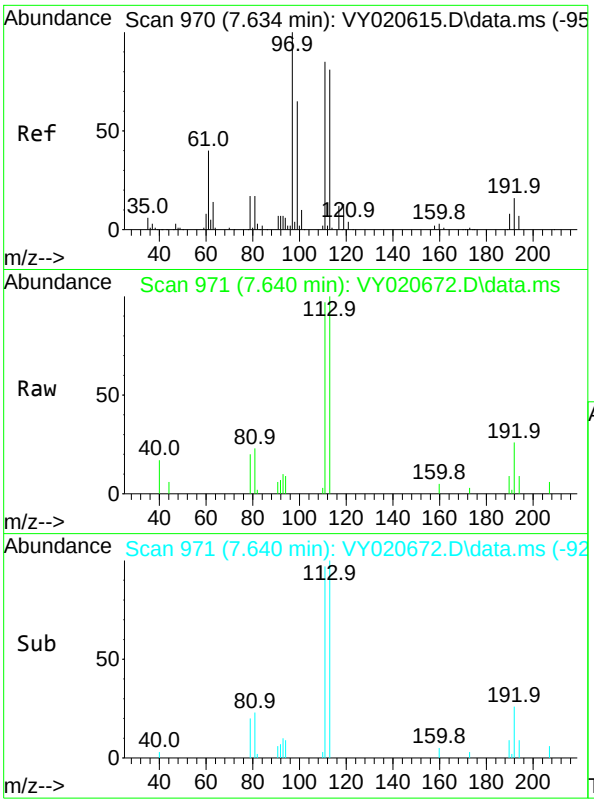


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020672.D
Acq: 20 Dec 2024 15:44

Tgt Ion:114 Resp: 29944

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	14.8	0.0	32.8



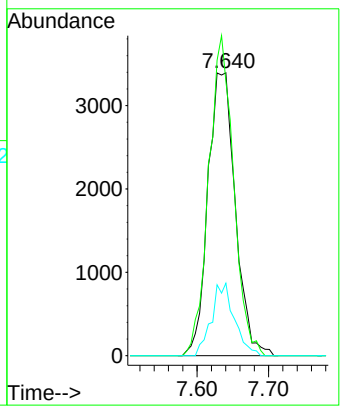


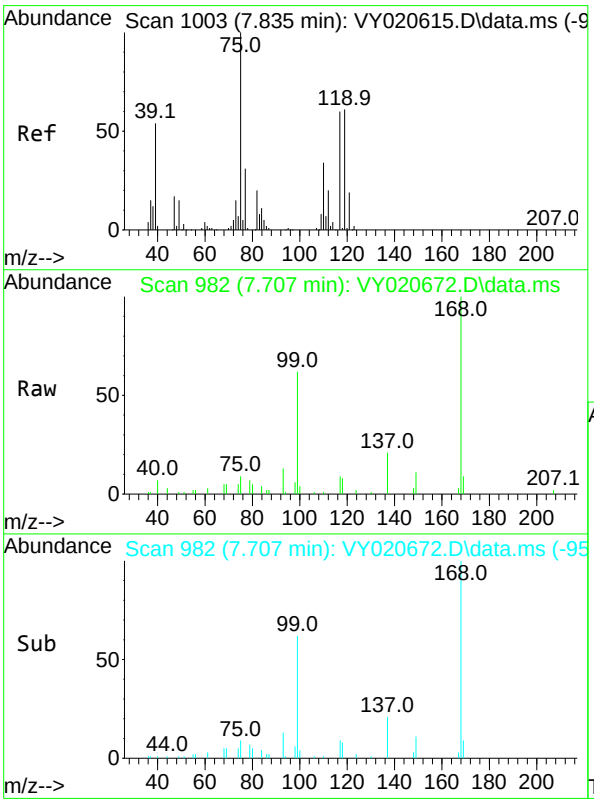
#35
Dibromofluoromethane
Concen: 42.912 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020672.D
Acq: 20 Dec 2024 15:44

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4

Tgt Ion:113 Resp: 9056

Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.9	124.3
192	21.3	15.7	23.5

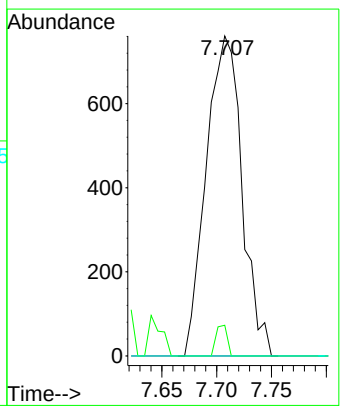


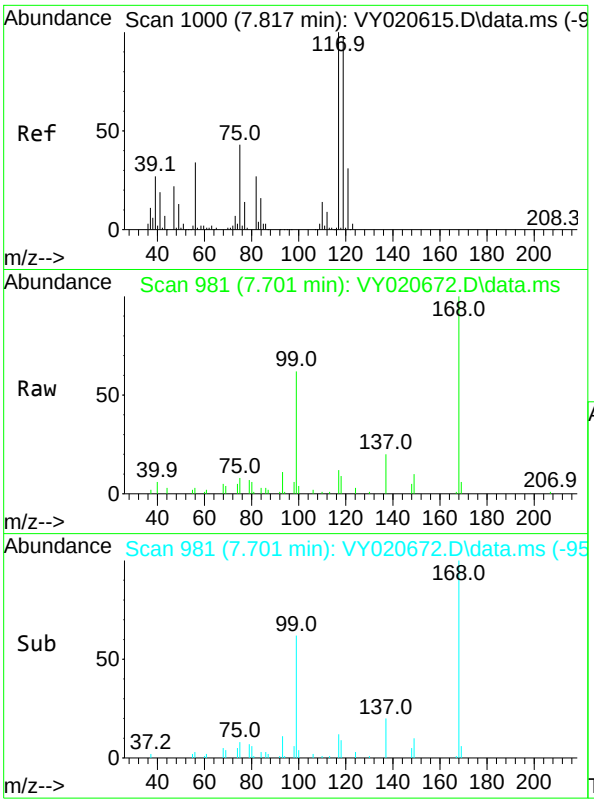


#36
1,1-Dichloropropene
Concen: 4.488 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY020672.D
Acq: 20 Dec 2024 15:44

Tgt Ion: 75 Resp: 1727

Ion	Ratio	Lower	Upper
75	100		
110	3.0	16.8	50.4#
77	0.0	25.0	37.6#



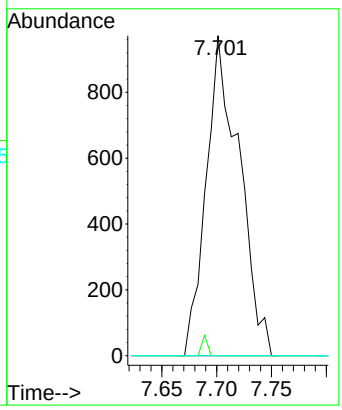


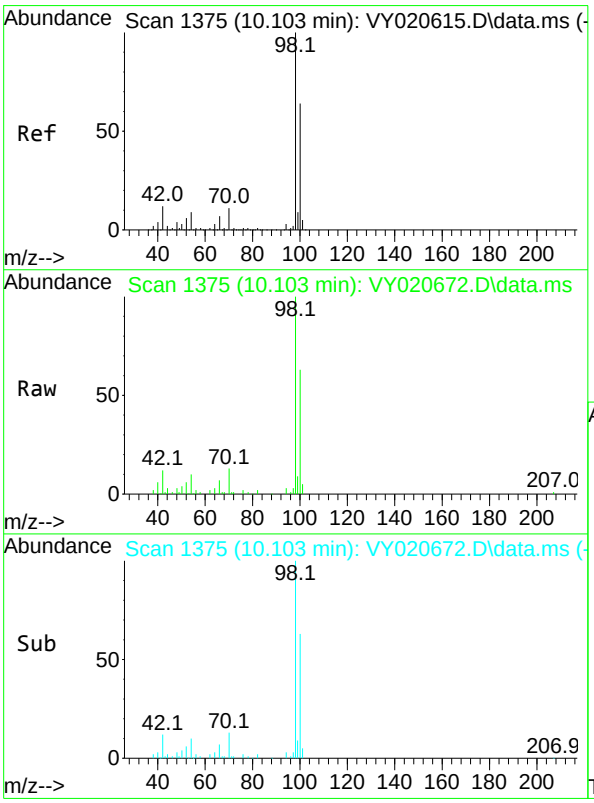
#38
Carbon Tetrachloride
Concen: 4.806 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.116 min
Lab File: VY020672.D
Acq: 20 Dec 2024 15:44

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4

Tgt Ion:117 Resp: 2046

Ion	Ratio	Lower	Upper
117	100		
119	0.0	78.3	117.5#
121	0.0	25.1	37.7#

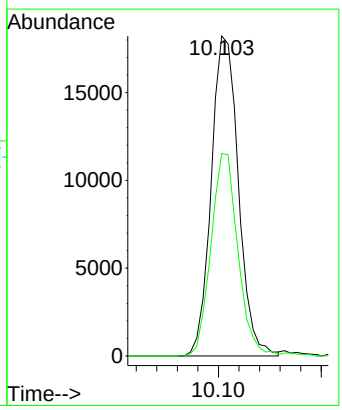


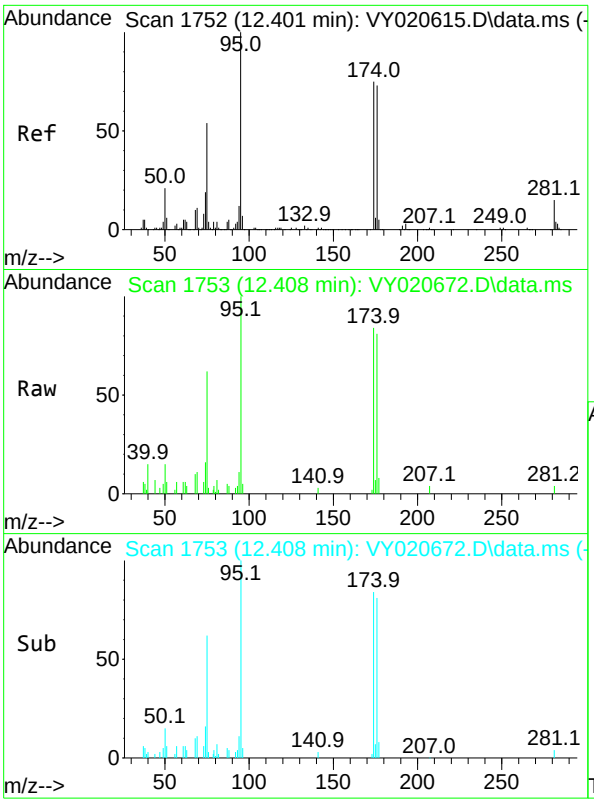


#50
Toluene-d8
Concen: 45.241 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020672.D
Acq: 20 Dec 2024 15:44

Tgt Ion: 98 Resp: 33418

Ion	Ratio	Lower	Upper
98	100		
100	63.2	52.1	78.1



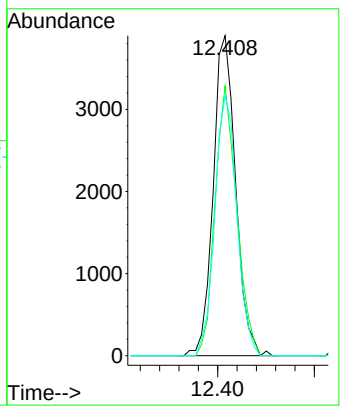


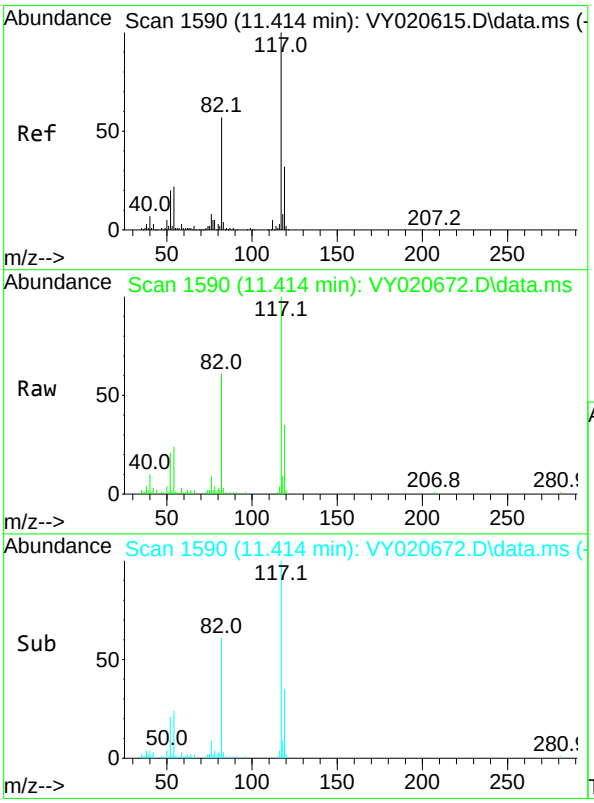
#62
4-Bromofluorobenzene
Concen: 21.696 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020672.D
Acq: 20 Dec 2024 15:44

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4

Tgt Ion: 95 Resp: 6269

Ion	Ratio	Lower	Upper
95	100		
174	81.7	0.0	161.8
176	79.9	0.0	156.6

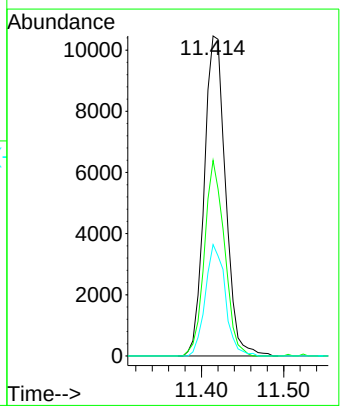


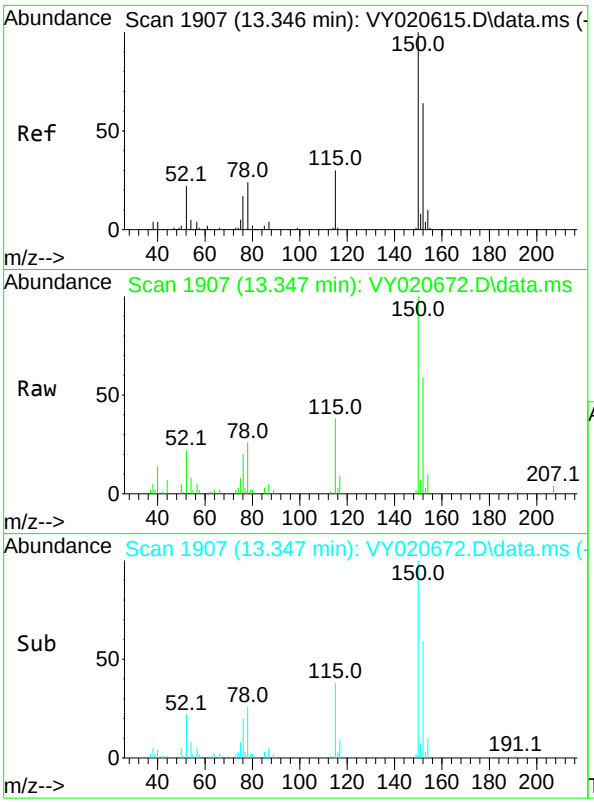


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY020672.D
Acq: 20 Dec 2024 15:44

Tgt Ion:117 Resp: 18784

Ion	Ratio	Lower	Upper
117	100		
82	61.1	45.8	68.6
119	34.8	25.3	37.9



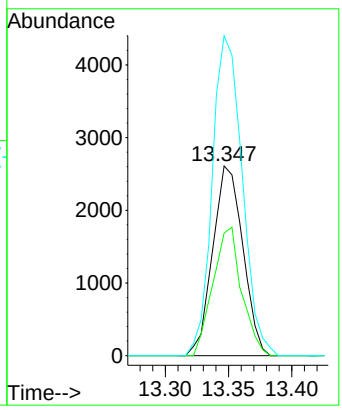


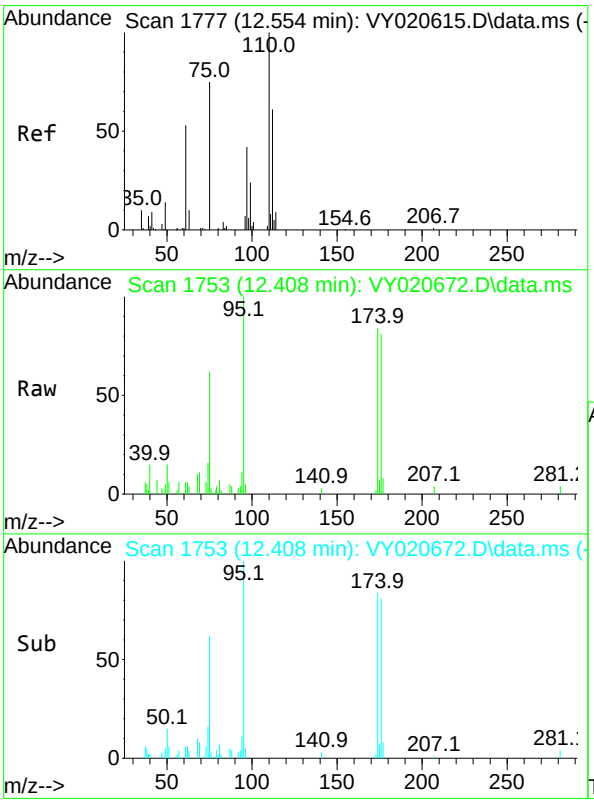
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020672.D
Acq: 20 Dec 2024 15:44

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4

Tgt Ion:152 Resp: 4327

Ion	Ratio	Lower	Upper
152	100		
115	64.4	30.2	90.6
150	167.4	0.0	355.4

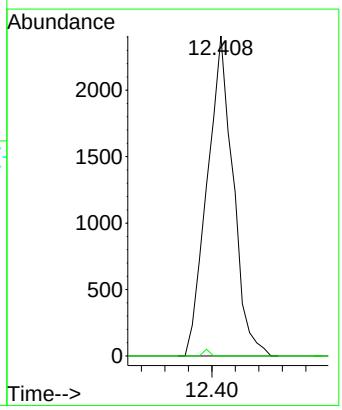


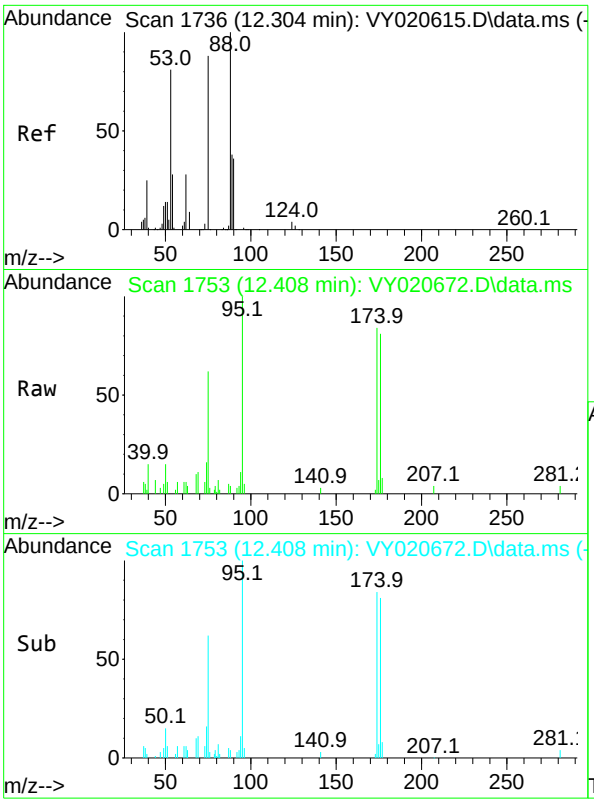


#76
1,2,3-Trichloropropane
Concen: 82.004 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY020672.D
Acq: 20 Dec 2024 15:44

Tgt Ion: 75 Resp: 3686

Ion	Ratio	Lower	Upper
75	100		
77	0.5	0.0	0.0#



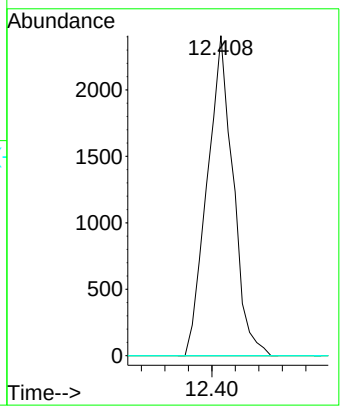


#81
trans-1,4-Dichloro-2-butene
Concen: 172.129 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.104 min
Lab File: VY020672.D
Acq: 20 Dec 2024 15:44

Instrument :
MSVOA_Y
ClientSampleId :
TT-304-IDWSO-20241217-4

Tgt Ion: 75 Resp: 3686

Ion	Ratio	Lower	Upper
75	100		
53	0.0	75.4	113.2#
89	0.0	37.0	55.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020682.D
Acq On : 20 Dec 2024 19:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 20 22:04:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	143833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	225180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	204671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	118027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	67912	43.111	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 86.220%			
35) Dibromofluoromethane	7.634	113	70081	44.159	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 88.320%			
50) Toluene-d8	10.103	98	236316	42.543	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 85.080%			
62) 4-Bromofluorobenzene	12.408	95	91351	42.042	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 84.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	81747	45.502	ug/l	95
3) Chloromethane	2.068	50	58949	44.285	ug/l	95
4) Vinyl Chloride	2.202	62	37701	30.430	ug/l	97
5) Bromomethane	2.598	94	27270	34.241	ug/l	96
6) Chloroethane	2.733	64	23852	31.154	ug/l	98
7) Trichlorofluoromethane	3.062	101	97429	37.582	ug/l	98
8) Diethyl Ether	3.458	74	38091	41.896	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	72820	39.189	ug/l	100
10) Methyl Iodide	4.007	142	89063	43.050	ug/l	99
11) Tert butyl alcohol	4.866	59	36300	213.879	ug/l	100
12) 1,1-Dichloroethene	3.787	96	71932	39.896	ug/l	95
13) Acrolein	3.653	56	10852	145.691	ug/l	100
14) Allyl chloride	4.385	41	138460	43.827	ug/l	98
15) Acrylonitrile	5.061	53	114092	262.307	ug/l	98
16) Acetone	3.873	43	62589	198.675	ug/l	99
17) Carbon Disulfide	4.104	76	240927	41.052	ug/l	99
18) Methyl Acetate	4.385	43	49816	46.480	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	242425	52.095	ug/l	98
20) Methylene Chloride	4.616	84	94785	48.394	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	102508	50.685	ug/l	94
22) Diisopropyl ether	6.025	45	337414	52.616	ug/l	99
23) Vinyl Acetate	5.964	43	967217	266.302	ug/l	100
24) 1,1-Dichloroethane	5.921	63	196407	52.280	ug/l	99
25) 2-Butanone	6.896	43	145082	247.823	ug/l	97
26) 2,2-Dichloropropane	6.890	77	162135	45.653	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	120298	51.699	ug/l	98
28) Bromochloromethane	7.244	49	82386	65.015	ug/l	99
29) Tetrahydrofuran	7.262	42	99121	268.209	ug/l	99
30) Chloroform	7.421	83	204738	54.780	ug/l	97
31) Cyclohexane	7.701	56	159093	44.289	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	173221	50.188	ug/l	99
36) 1,1-Dichloropropene	7.841	75	140911	48.693	ug/l	99
37) Ethyl Acetate	6.988	43	68879	50.601	ug/l	99
38) Carbon Tetrachloride	7.817	117	155919	48.699	ug/l	98
39) Methylcyclohexane	9.109	83	165792	43.957	ug/l	95
40) Benzene	8.079	78	429017	50.578	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020682.D
Acq On : 20 Dec 2024 19:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 20 22:04:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	35040	48.692	ug/l	#	91
42) 1,2-Dichloroethane	8.158	62	116059	51.589	ug/l		99
43) Isopropyl Acetate	8.195	43	132653	51.476	ug/l	#	87
44) Trichloroethene	8.866	130	104350	50.065	ug/l		97
45) 1,2-Dichloropropane	9.140	63	102993	51.953	ug/l		97
46) Dibromomethane	9.231	93	55249	52.734	ug/l		100
47) Bromodichloromethane	9.420	83	148983	52.643	ug/l		99
48) Methyl methacrylate	9.219	41	64336	52.516	ug/l		99
49) 1,4-Dioxane	9.231	88	12848	1069.318	ug/l		92
51) 4-Methyl-2-Pentanone	9.993	43	347100	255.175	ug/l		100
52) Toluene	10.170	92	269709	51.164	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	137082	51.983	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	161185	51.582	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	72252	52.160	ug/l		94
56) Ethyl methacrylate	10.438	69	106862	53.177	ug/l		98
57) 1,3-Dichloropropane	10.719	76	129720	52.533	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	269274	318.460	ug/l		100
59) 2-Hexanone	10.762	43	232450	266.163	ug/l		100
60) Dibromochloromethane	10.908	129	98561	53.204	ug/l		99
61) 1,2-Dibromoethane	11.012	107	67268	52.208	ug/l		99
64) Tetrachloroethene	10.646	164	90723	47.125	ug/l		94
65) Chlorobenzene	11.444	112	288406	50.396	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.518	131	100036	51.120	ug/l		99
67) Ethyl Benzene	11.518	91	520329	49.283	ug/l		99
68) m/p-Xylenes	11.627	106	386215	98.385	ug/l		99
69) o-Xylene	11.957	106	182369	49.791	ug/l		99
70) Styrene	11.969	104	308084	50.345	ug/l		99
71) Bromoform	12.133	173	57006	51.813	ug/l	#	99
73) Isopropylbenzene	12.255	105	488221	47.402	ug/l		99
74) N-amyl acetate	12.072	43	119742	49.676	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	85524	51.155	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	110281	89.947	ug/l	#	100
77) Bromobenzene	12.530	156	111242	49.582	ug/l		99
78) n-propylbenzene	12.597	91	585185	47.158	ug/l		99
79) 2-Chlorotoluene	12.682	91	337195	48.298	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	398582	47.693	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	29107	49.831	ug/l		99
82) 4-Chlorotoluene	12.780	91	346496	47.838	ug/l		99
83) tert-Butylbenzene	12.999	119	356447	47.095	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	393582	48.012	ug/l		99
85) sec-Butylbenzene	13.176	105	510662	46.404	ug/l		100
86) p-Isopropyltoluene	13.292	119	429462	47.333	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	212764	48.040	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	210538	47.998	ug/l		100
89) n-Butylbenzene	13.621	91	403246	46.895	ug/l		99
90) Hexachloroethane	13.883	117	86293	47.992	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	187168	48.776	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	12831	47.271	ug/l		95
93) 1,2,4-Trichlorobenzene	14.925	180	111082	47.858	ug/l		99
94) Hexachlorobutadiene	15.029	225	73289	48.301	ug/l		98
95) Naphthalene	15.145	128	201284	50.583	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	95931	48.917	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020682.D
Acq On : 20 Dec 2024 19:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 20 22:04:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

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

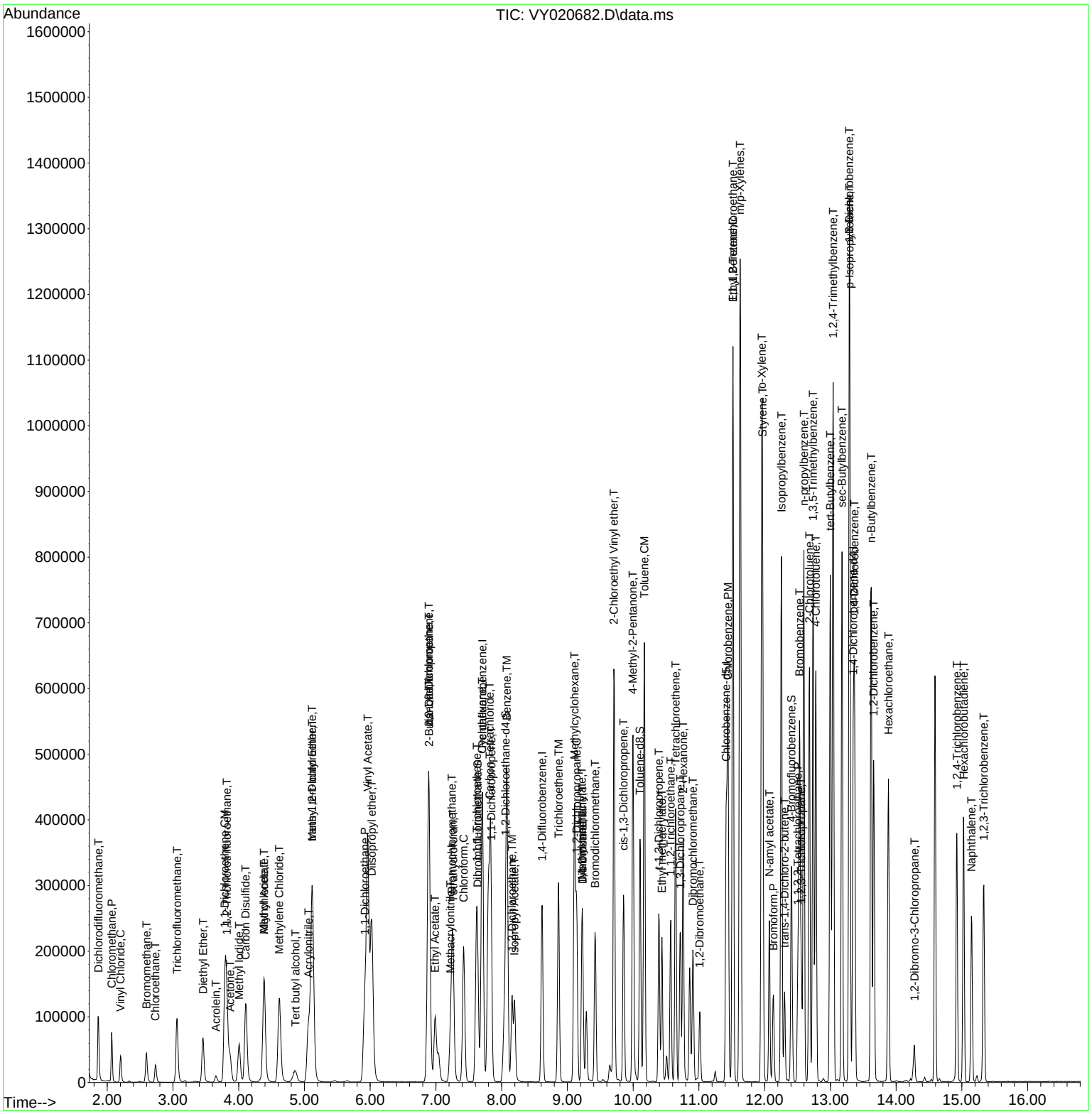
(#) = qualifier out of range (m) = manual integration (+) = signals summed

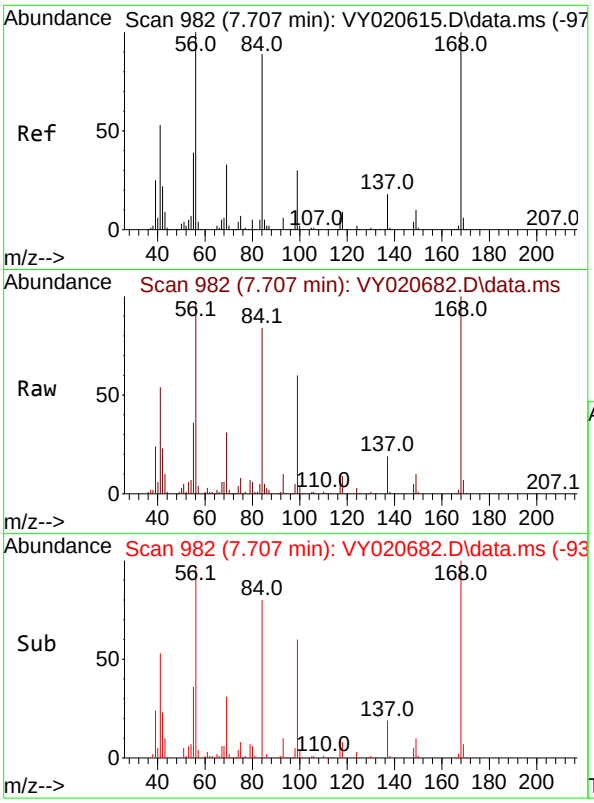
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
Data File : VY020682.D
Acq On : 20 Dec 2024 19:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 20 22:04:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration



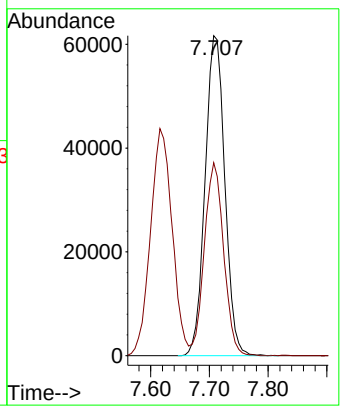


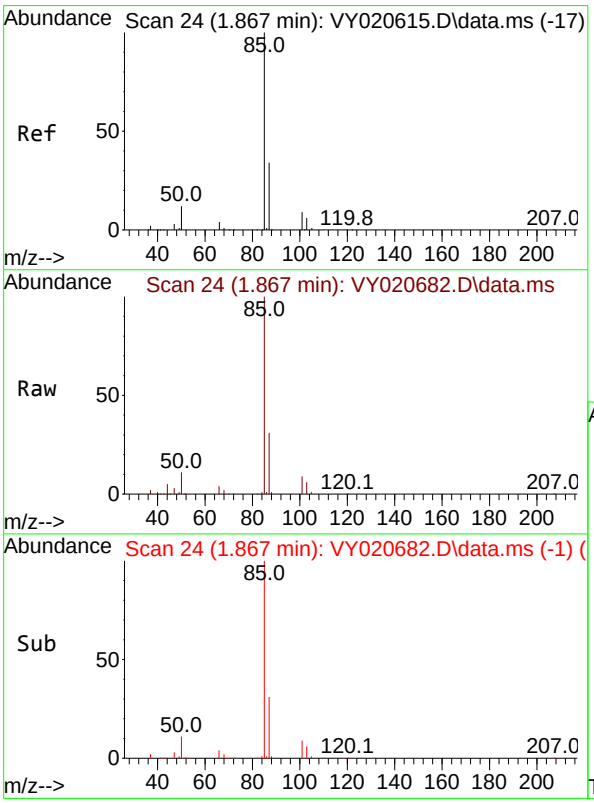
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 143833

Ion	Ratio	Lower	Upper
168	100		
99	60.3	47.0	70.6

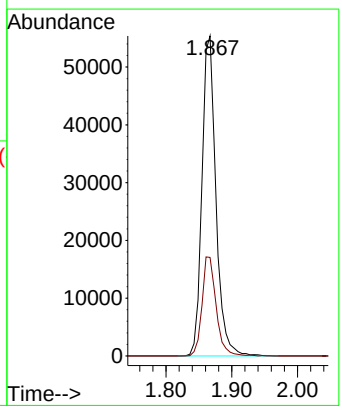


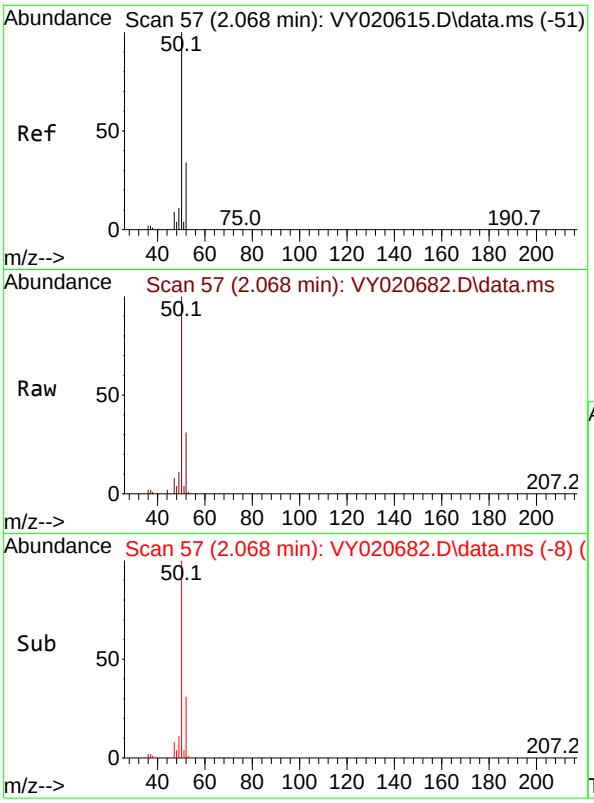


#2
Dichlorodifluoromethane
Concen: 45.502 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 85 Resp: 81747

Ion	Ratio	Lower	Upper
85	100		
87	30.8	16.8	50.3



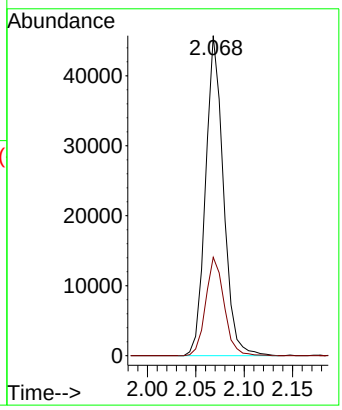


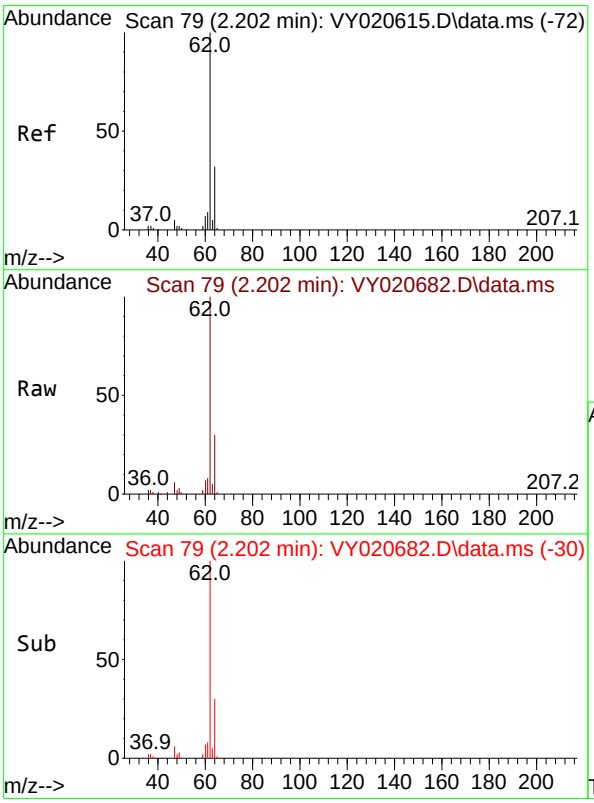
#3
Chloromethane
Concen: 44.285 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 58949

Ion	Ratio	Lower	Upper
50	100		
52	30.8	26.8	40.2

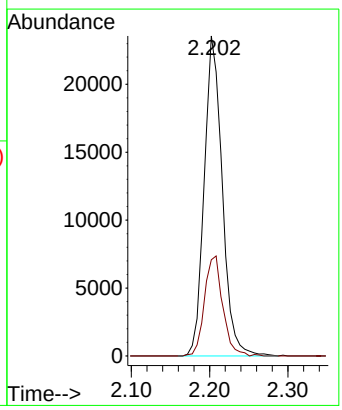


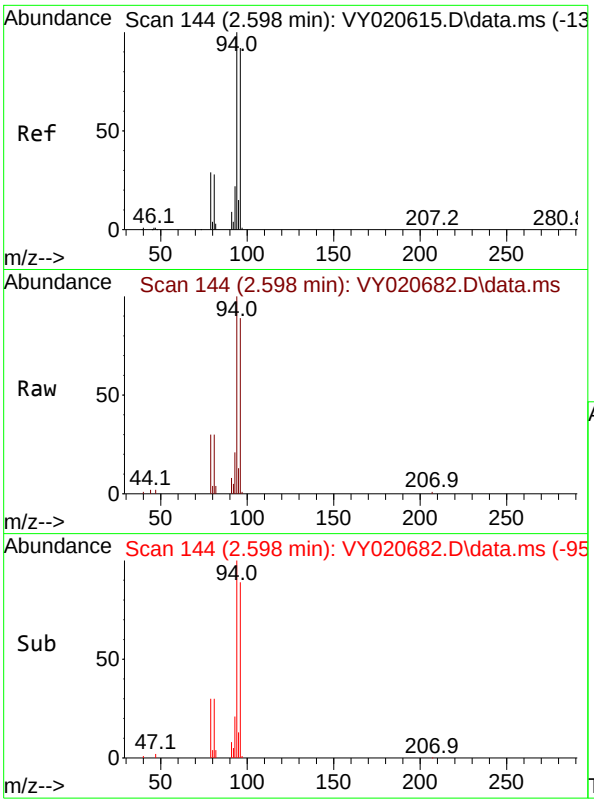


#4
Vinyl Chloride
Concen: 30.430 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 62 Resp: 37701

Ion	Ratio	Lower	Upper
62	100		
64	30.1	25.3	37.9



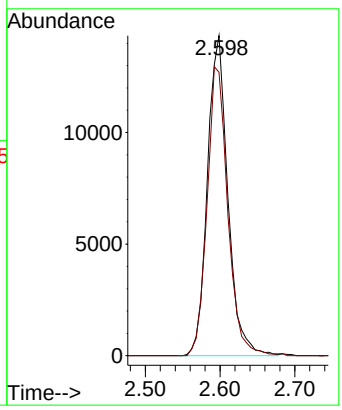


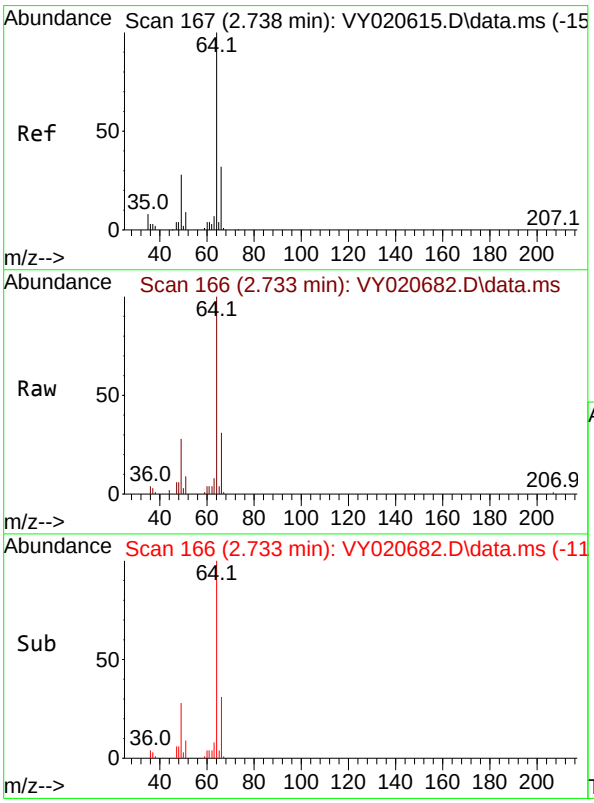
#5
Bromomethane
Concen: 34.241 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 27270

Ion	Ratio	Lower	Upper
94	100		
96	88.6	73.8	110.6

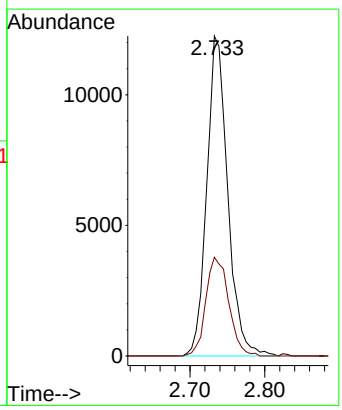


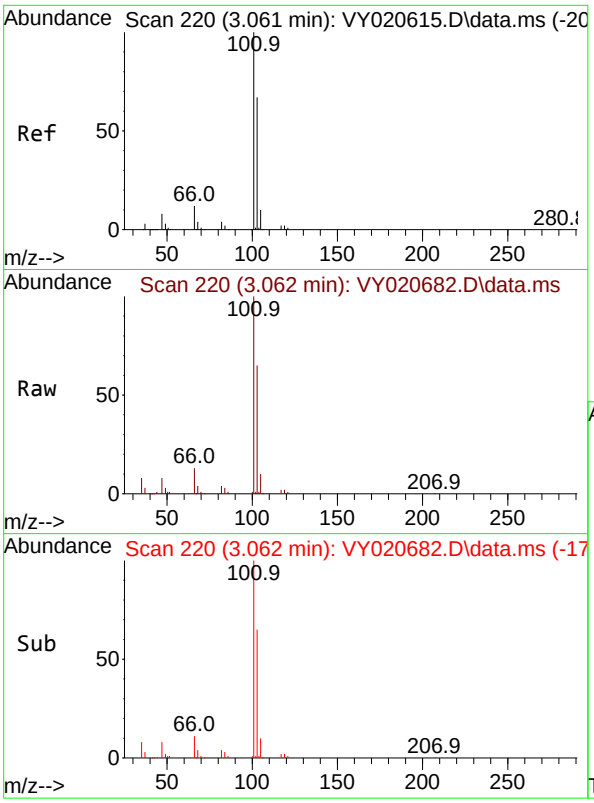


#6
Chloroethane
Concen: 31.154 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 64 Resp: 23852

Ion	Ratio	Lower	Upper
64	100		
66	30.9	25.8	38.6



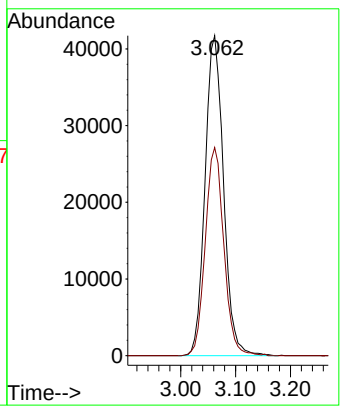


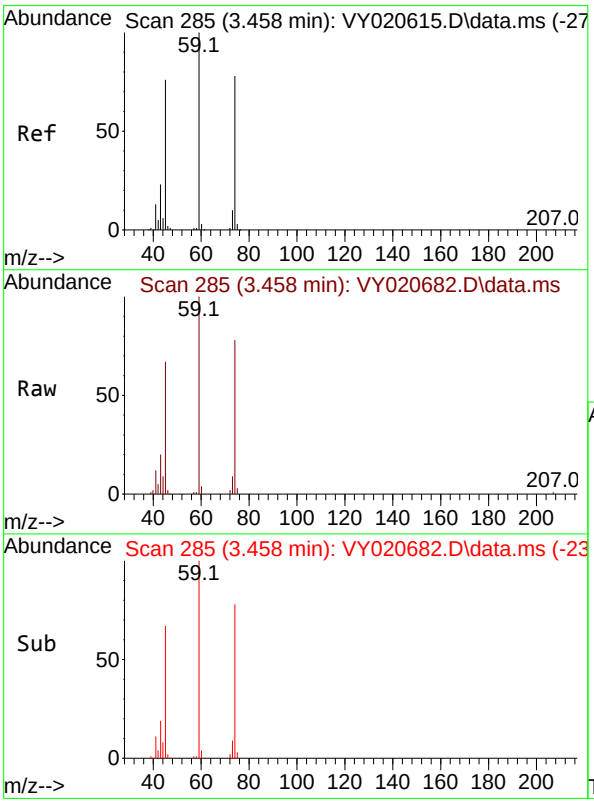
#7
Trichlorofluoromethane
Concen: 37.582 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 97429

Ion	Ratio	Lower	Upper
101	100		
103	65.0	53.4	80.0

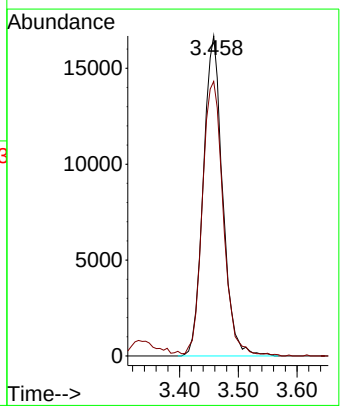


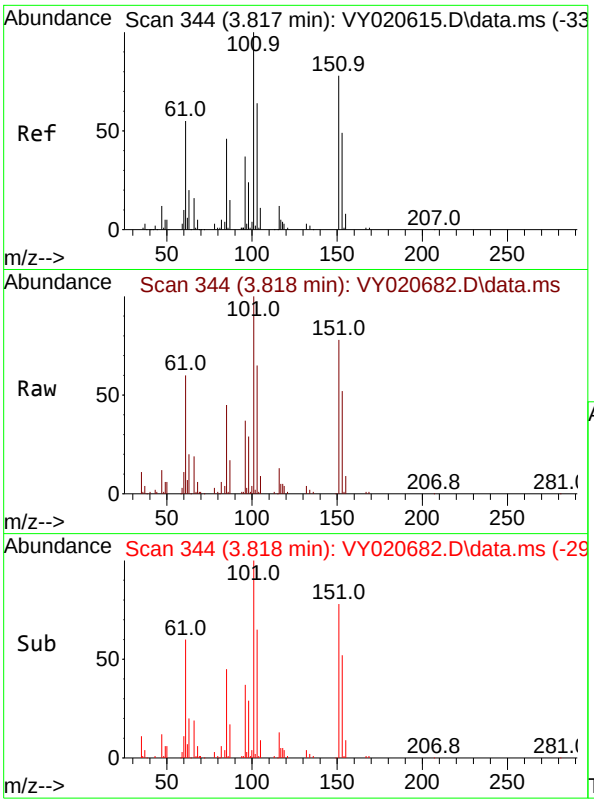


#8
Diethyl Ether
Concen: 41.896 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 74 Resp: 38091

Ion	Ratio	Lower	Upper
74	100		
45	93.0	49.0	147.2



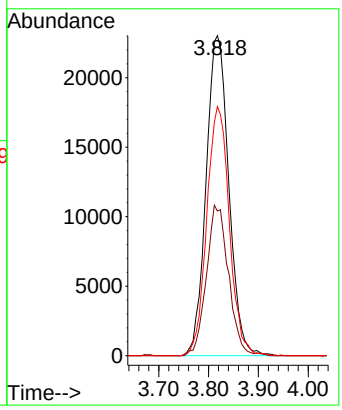


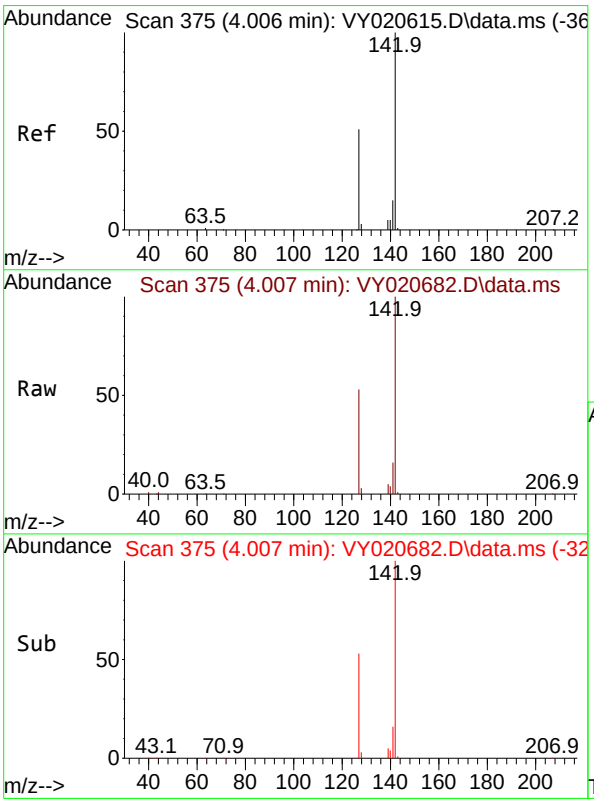
#9
1,1,2-Trichlorotrifluoroethane
Concen: 39.189 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 72820

Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.6	54.8
151	77.5	61.5	92.3

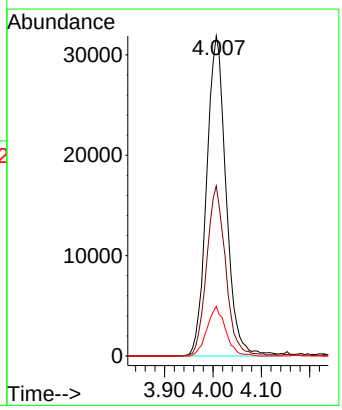


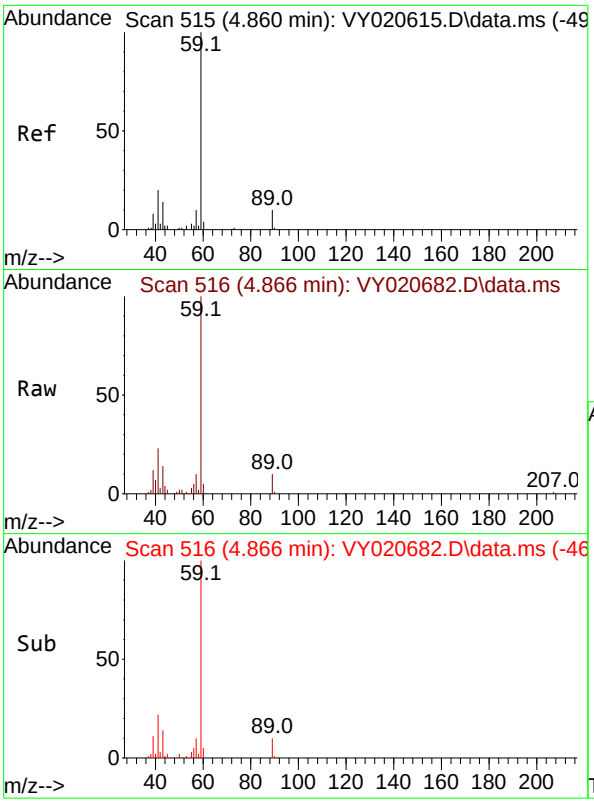


#10
Methyl Iodide
Concen: 43.050 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.001 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:142 Resp: 89063

Ion	Ratio	Lower	Upper
142	100		
127	51.8	40.6	61.0
141	14.8	11.7	17.5



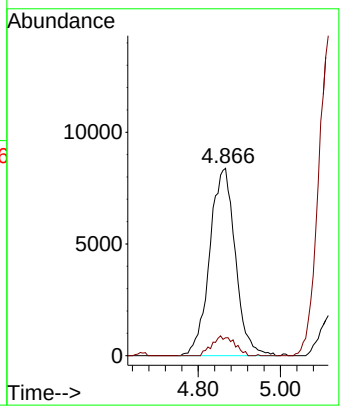


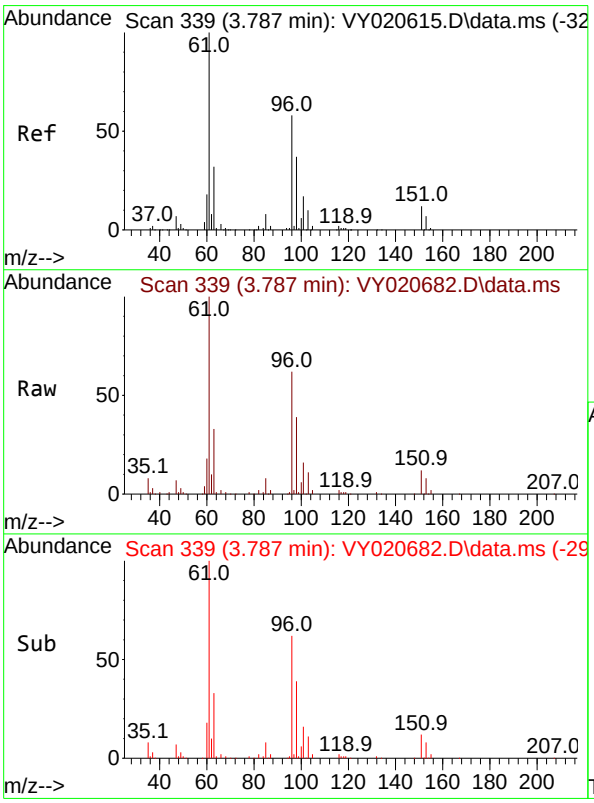
#11
Tert butyl alcohol
Concen: 213.879 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 36300

Ion	Ratio	Lower	Upper
59	100		
57	9.2	7.4	11.0

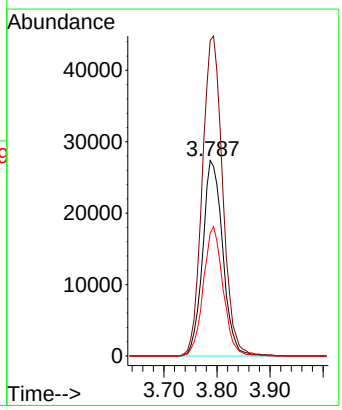


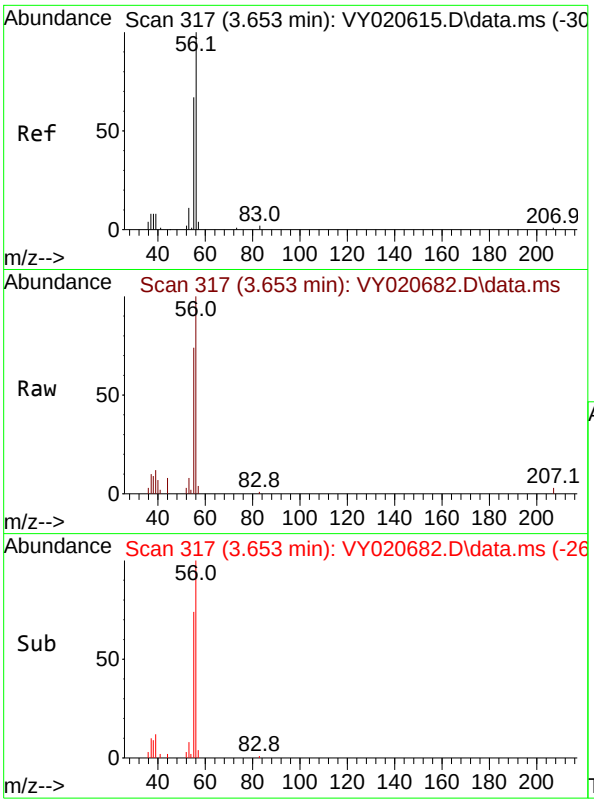


#12
1,1-Dichloroethene
Concen: 39.896 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 96 Resp: 71932

Ion	Ratio	Lower	Upper
96	100		
61	161.5	136.9	205.3
98	63.0	50.2	75.4



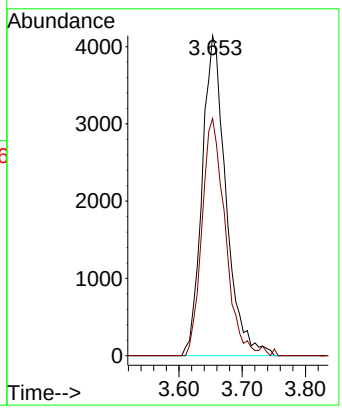


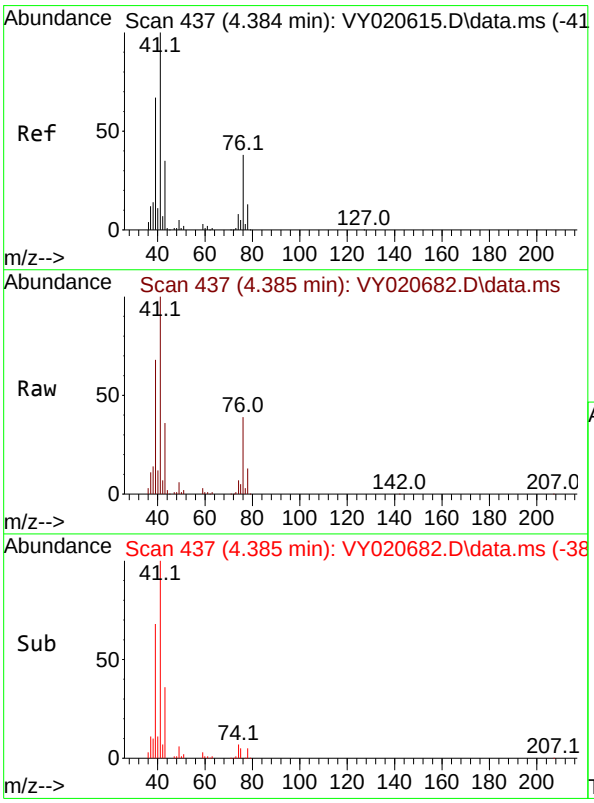
#13
Acrolein
Concen: 145.691 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 10852

Ion	Ratio	Lower	Upper
56	100		
55	71.7	57.5	86.3

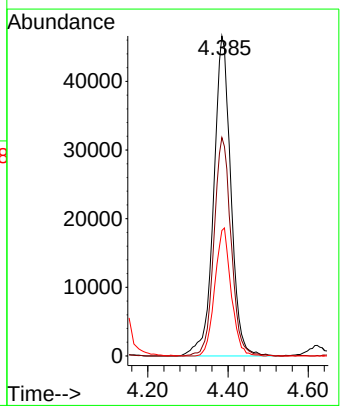


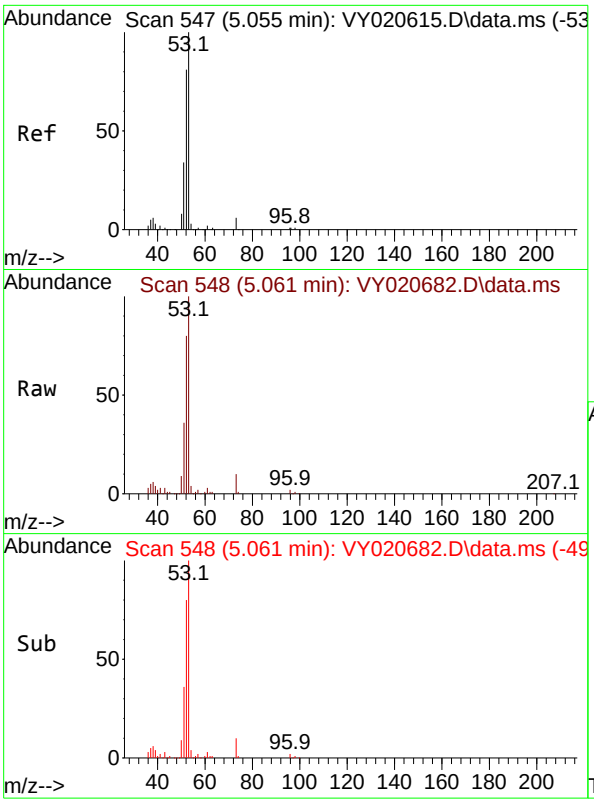


#14
Allyl chloride
Concen: 43.827 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 41 Resp: 138460

Ion	Ratio	Lower	Upper
41	100		
39	68.0	53.0	79.4
76	38.0	29.5	44.3



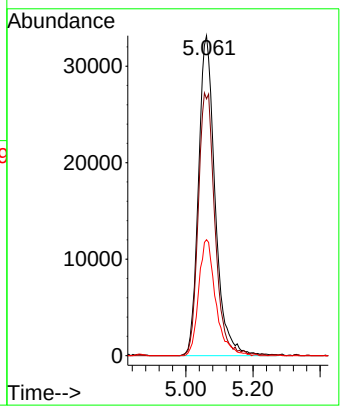


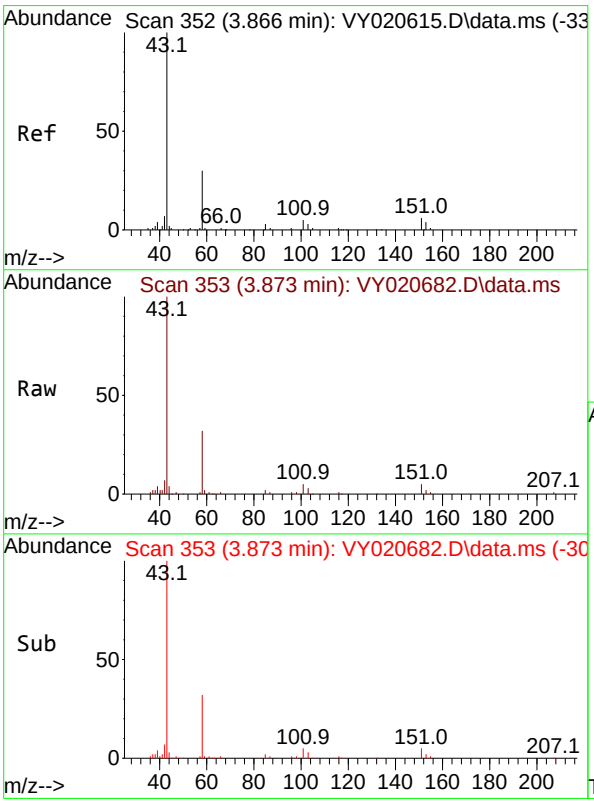
#15
Acrylonitrile
Concen: 262.307 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 114092

Ion	Ratio	Lower	Upper
53	100		
52	82.5	64.5	96.7
51	37.2	29.4	44.0

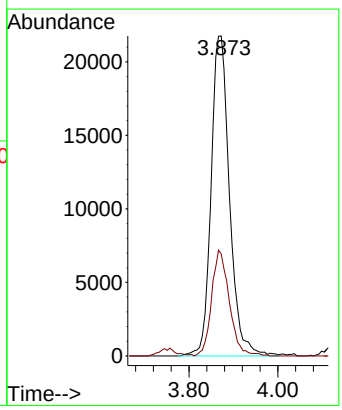


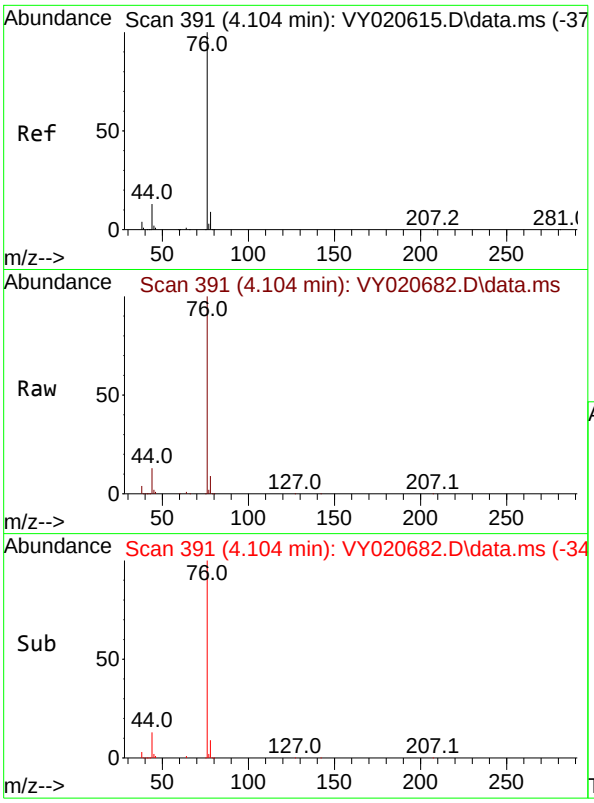


#16
Acetone
Concen: 198.675 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.007 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 43 Resp: 62589

Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.0	37.6



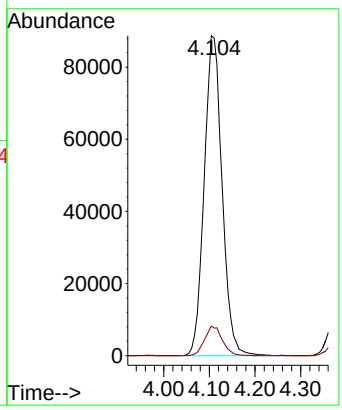


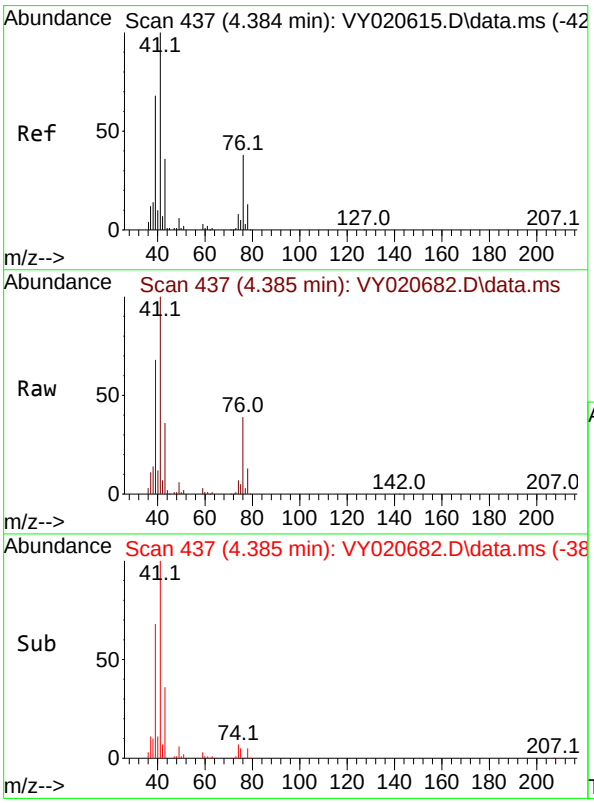
#17
Carbon Disulfide
Concen: 41.052 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 240927

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

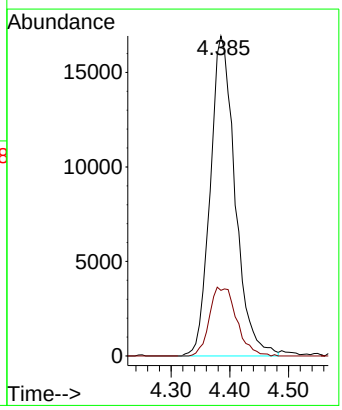


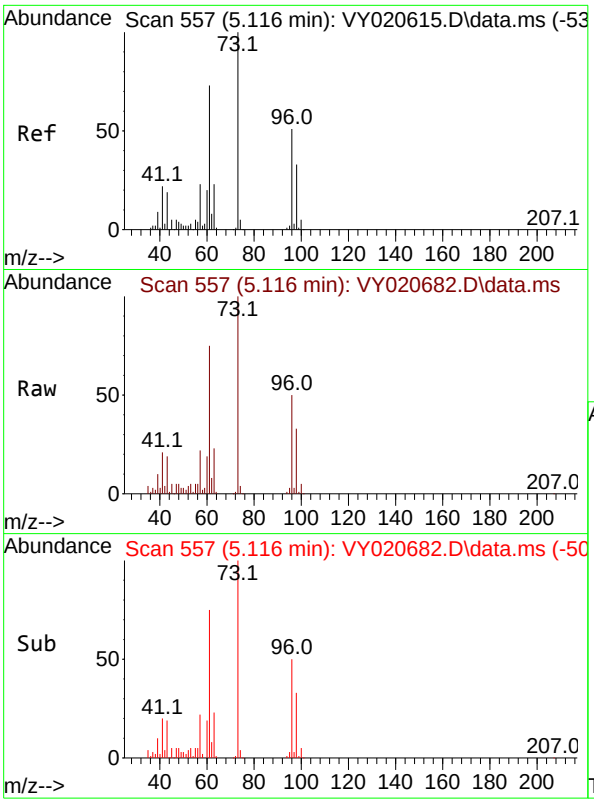


#18
Methyl Acetate
Concen: 46.480 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 43 Resp: 49816

Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.2	28.8



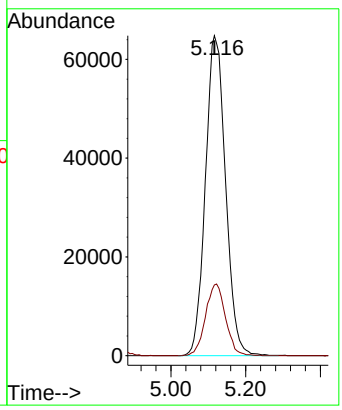


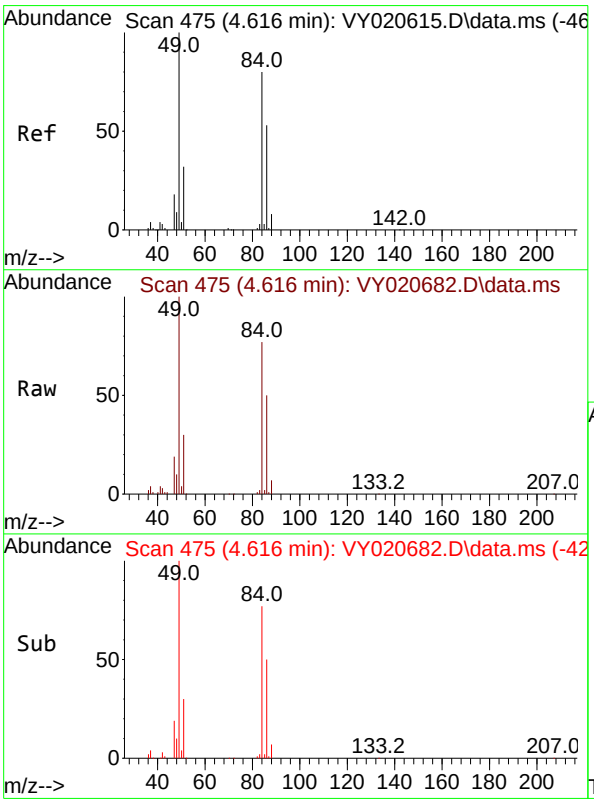
#19
Methyl tert-butyl Ether
Concen: 52.095 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 242425

Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.5	27.7

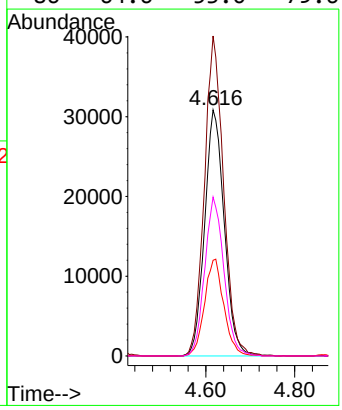


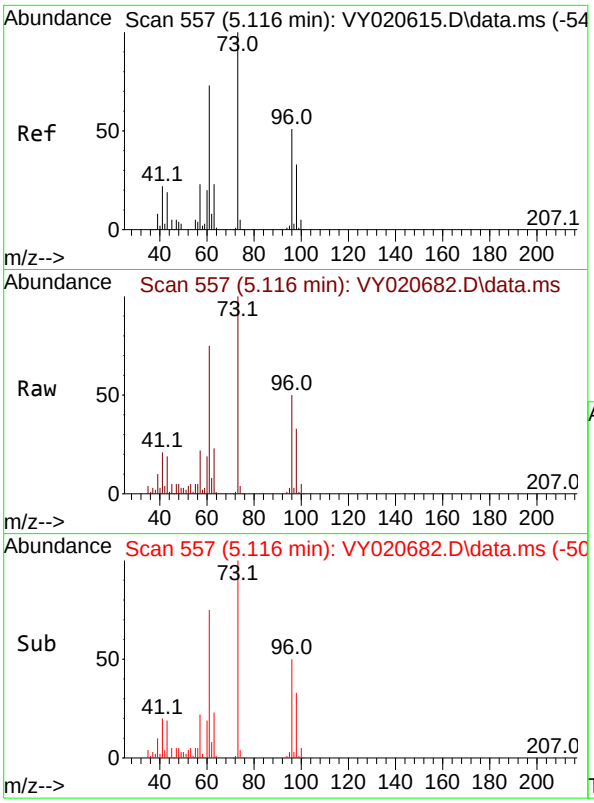


#20
Methylene Chloride
Concen: 48.394 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 84 Resp: 94785

Ion	Ratio	Lower	Upper
84	100		
49	130.0	100.7	151.1
51	38.9	32.2	48.2
86	64.6	53.0	79.6



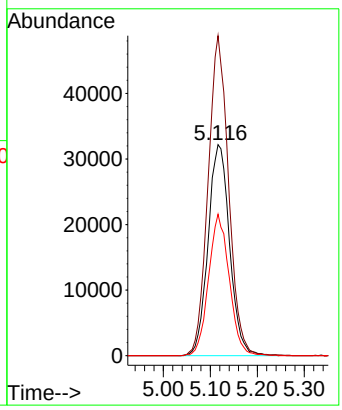


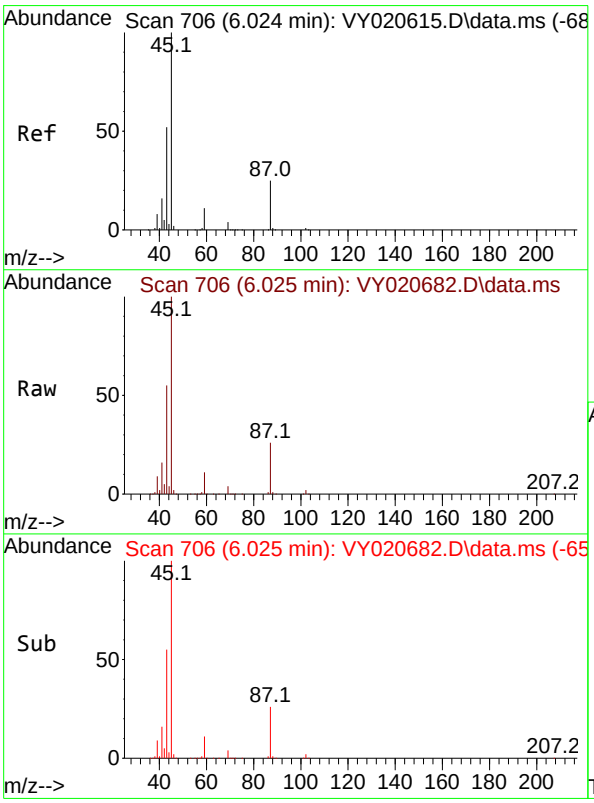
#21
trans-1,2-Dichloroethene
Concen: 50.685 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 102508

Ion	Ratio	Lower	Upper
96	100		
61	151.6	113.7	170.5
98	67.0	51.7	77.5

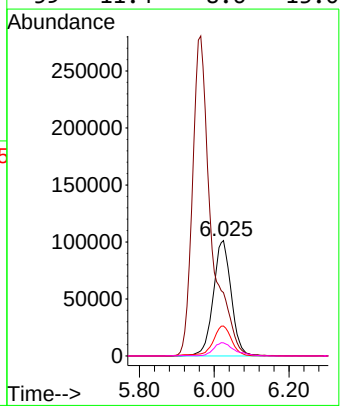


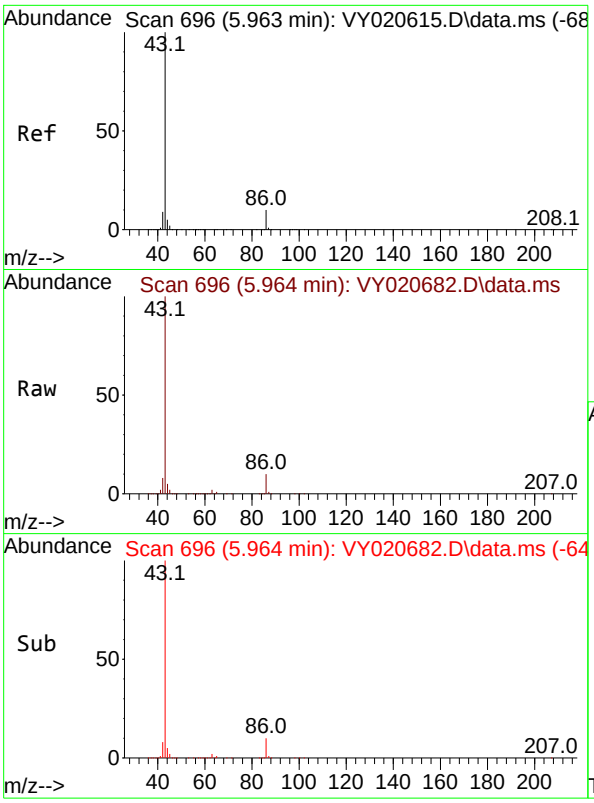


#22
Diisopropyl ether
Concen: 52.616 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 45 Resp: 337414

Ion	Ratio	Lower	Upper
45	100		
43	54.5	42.6	64.0
87	25.9	20.6	31.0
59	11.4	8.6	13.0



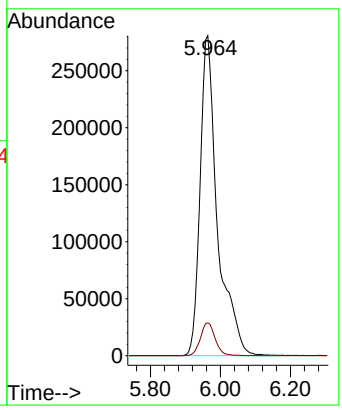


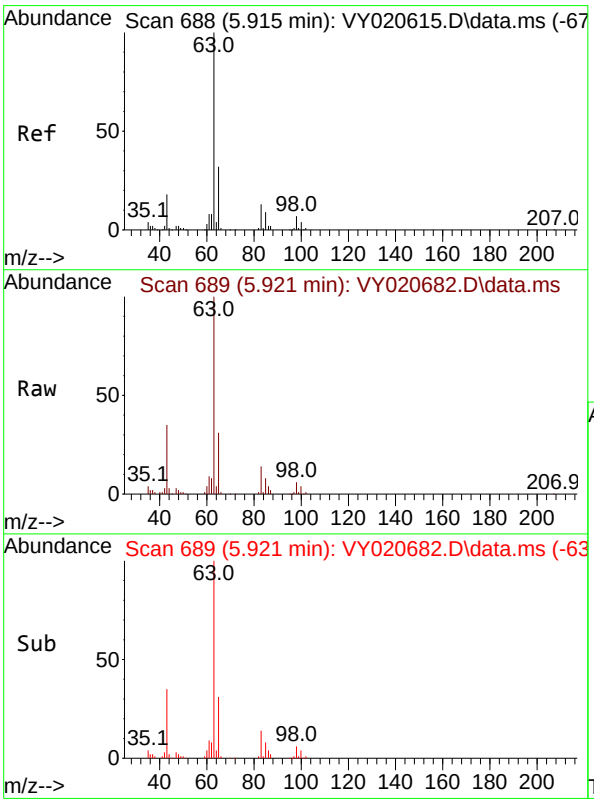
#23
Vinyl Acetate
Concen: 266.302 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 967217

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.1	12.1

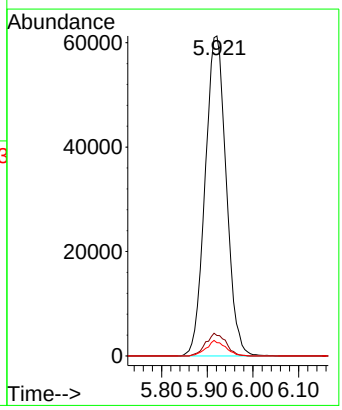


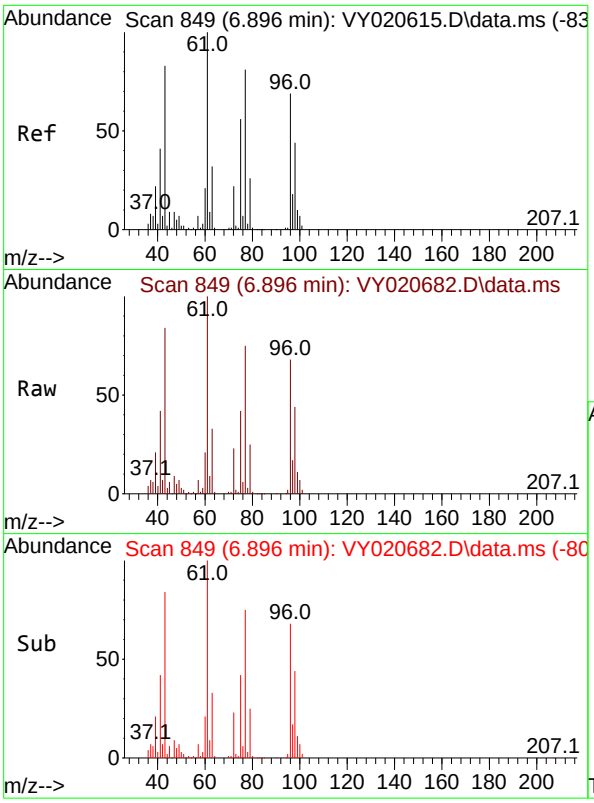


#24
1,1-Dichloroethane
Concen: 52.280 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 63 Resp: 196407

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.4	10.1
100	4.2	2.1	6.5



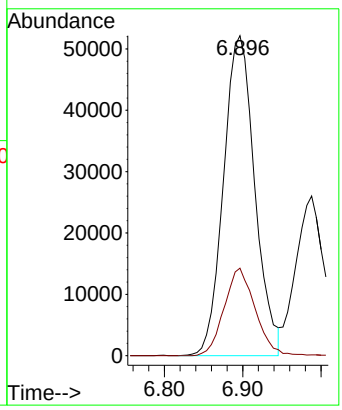


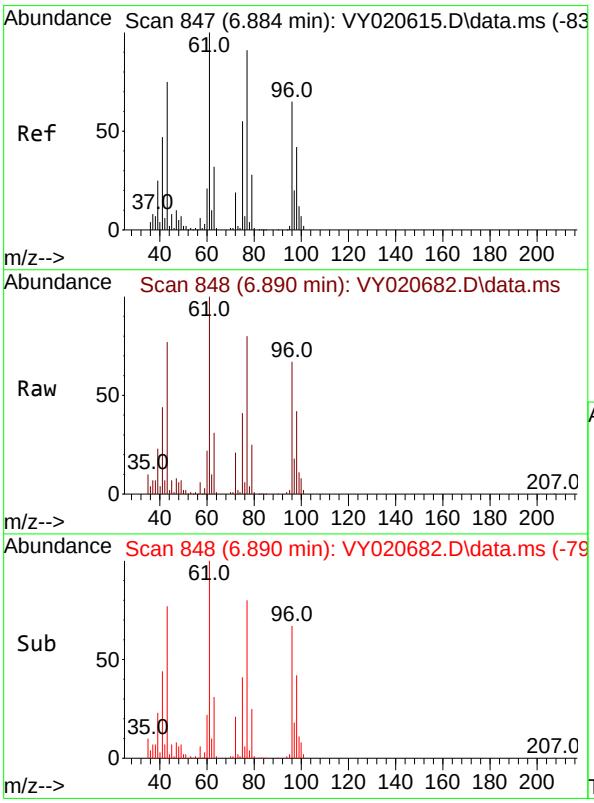
#25
2-Butanone
Concen: 247.823 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 145082

Ion	Ratio	Lower	Upper
43	100		
72	27.4	20.6	31.0

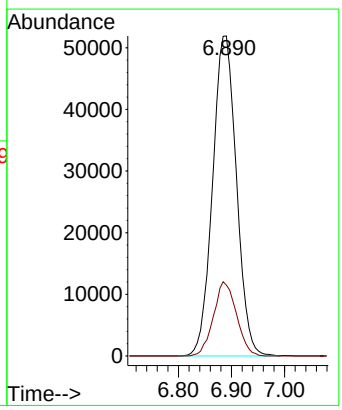


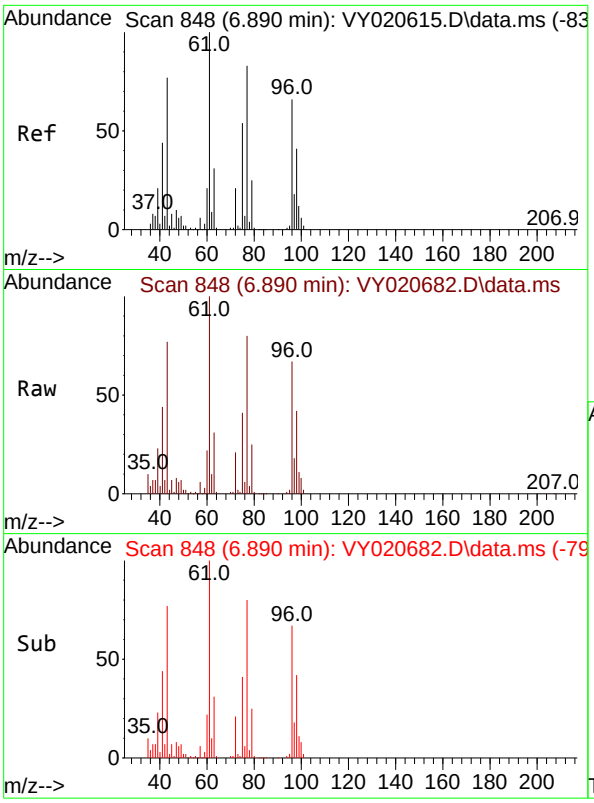


#26
2,2-Dichloropropane
Concen: 45.653 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 77 Resp: 162135

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.9	32.6



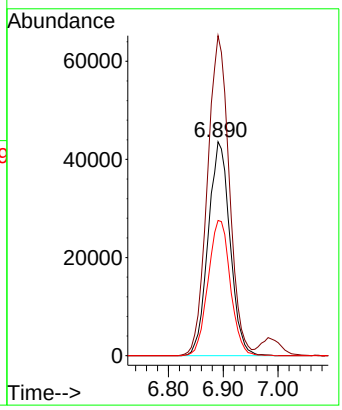


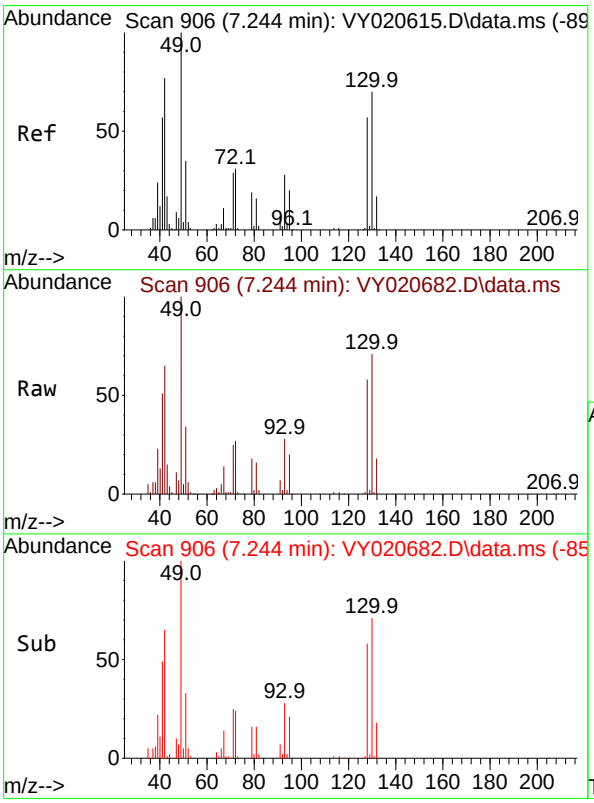
#27
cis-1,2-Dichloroethene
Concen: 51.699 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 120298

Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	306.2
98	64.6	0.0	127.2

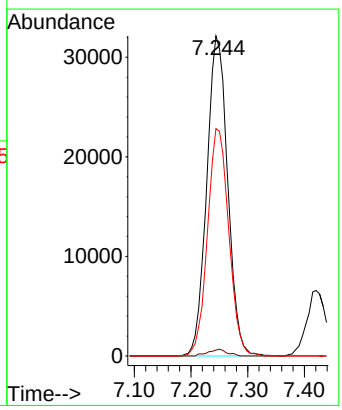


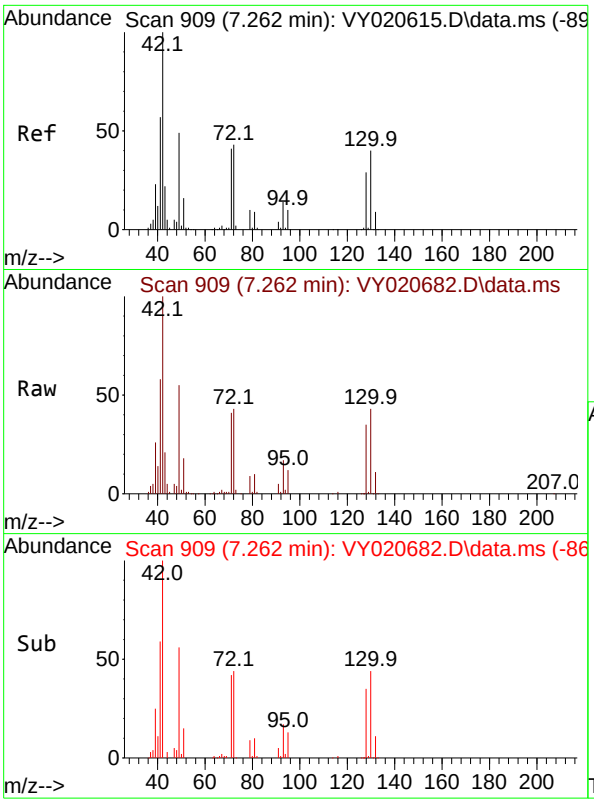


#28
Bromochloromethane
Concen: 65.015 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 49 Resp: 82386

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	72.1	58.3	87.5



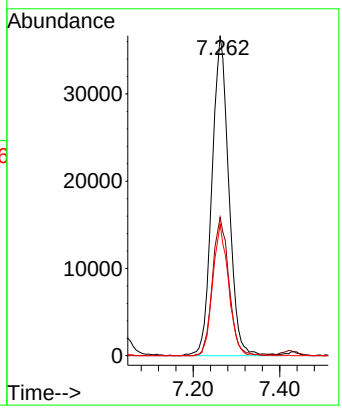


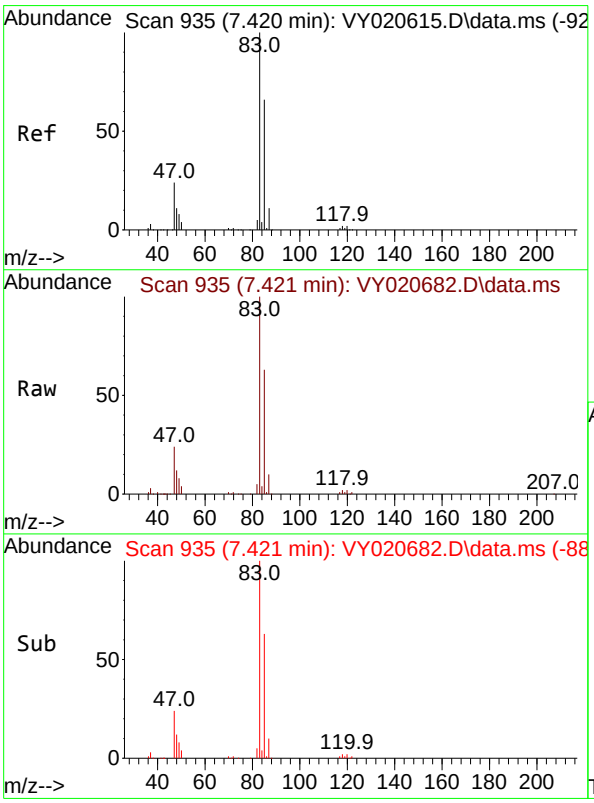
#29
Tetrahydrofuran
Concen: 268.209 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 99121

Ion	Ratio	Lower	Upper
42	100		
72	42.2	34.0	51.0
71	38.9	31.6	47.4

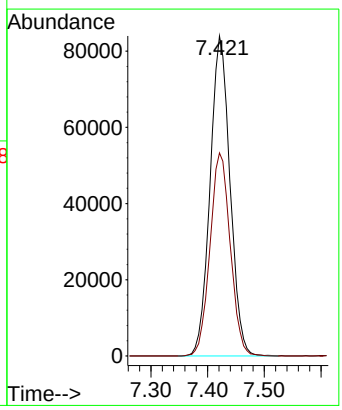


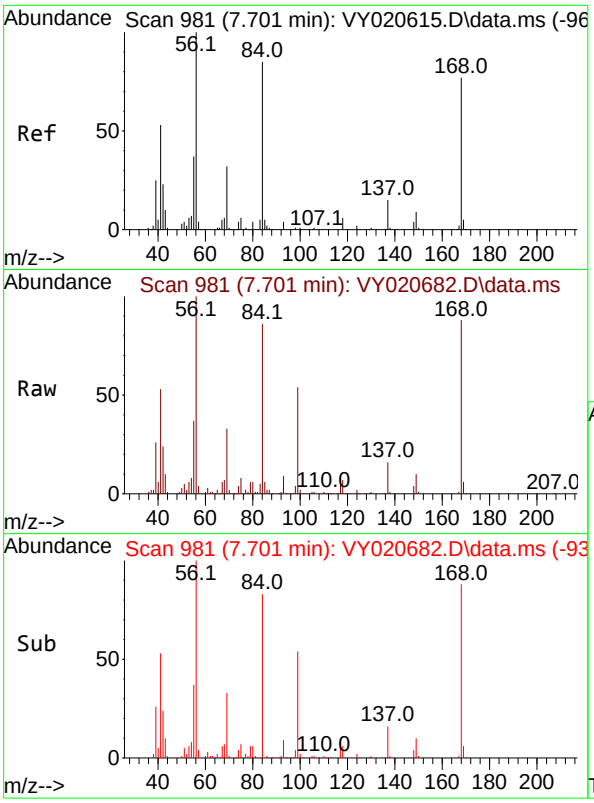


#30
Chloroform
Concen: 54.780 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.001 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 83 Resp: 204738

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.7	79.1



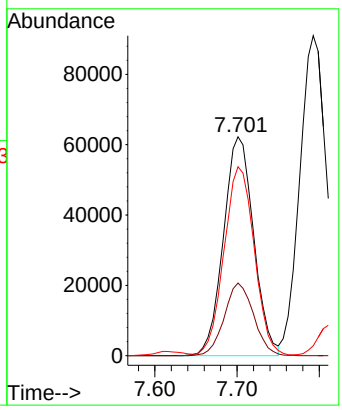


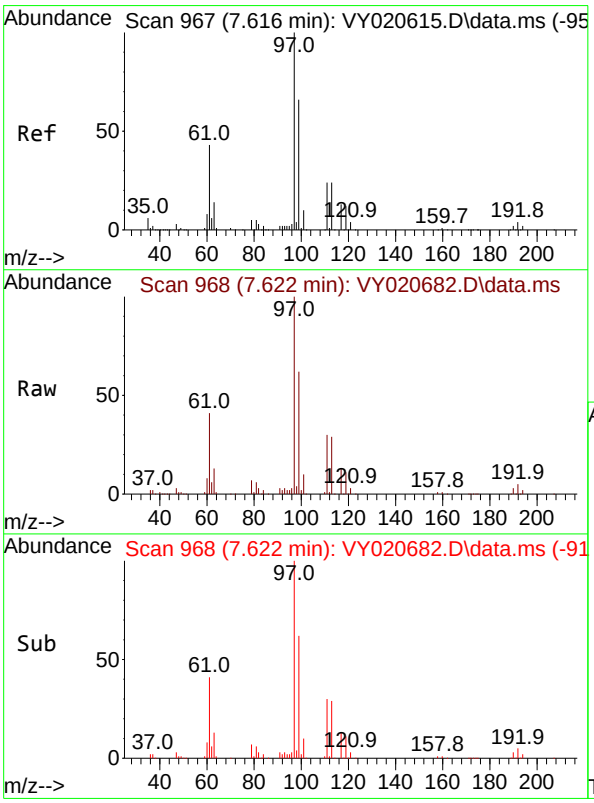
#31
Cyclohexane
Concen: 44.289 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 159093

Ion	Ratio	Lower	Upper
56	100		
69	33.2	25.4	38.0
84	84.8	68.3	102.5

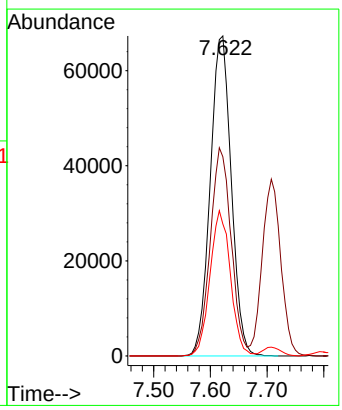


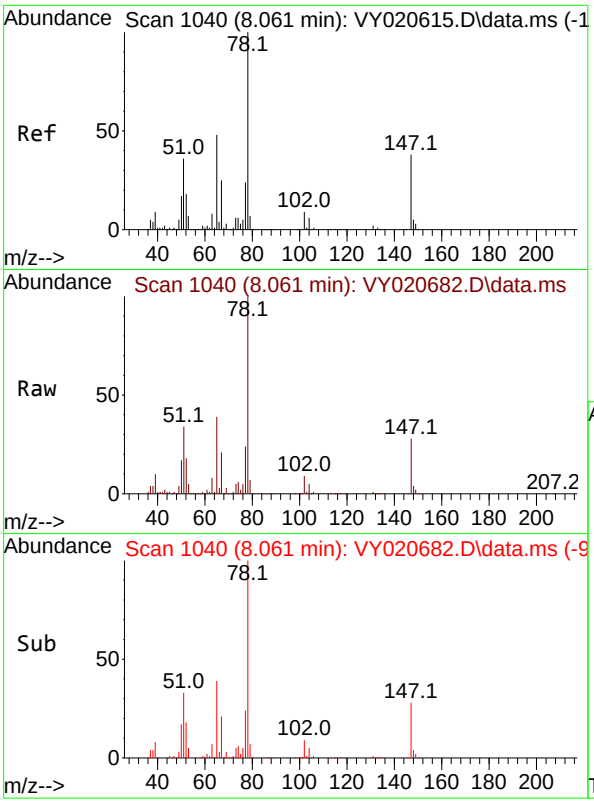


#32
1,1,1-Trichloroethane
Concen: 50.188 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 97 Resp: 173221

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	44.4	34.7	52.1



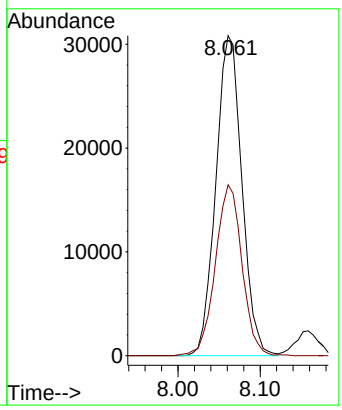


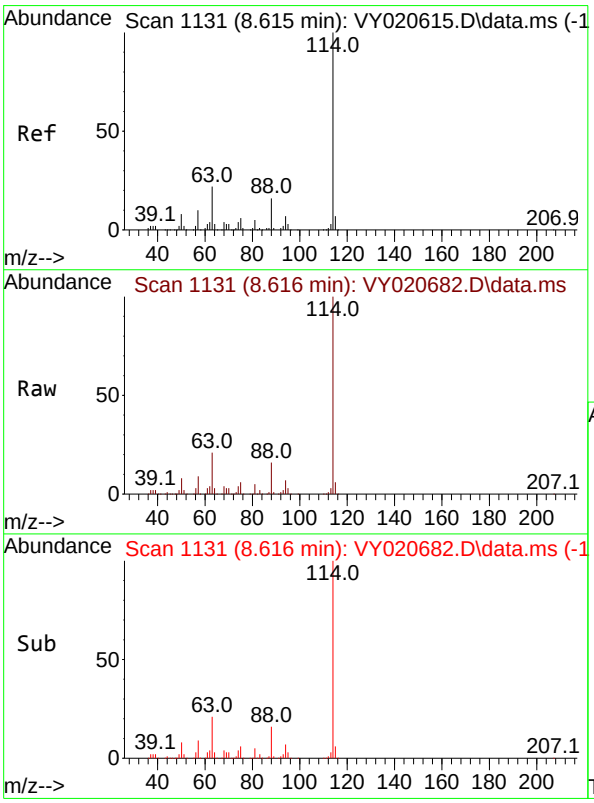
#33
1,2-Dichloroethane-d4
Concen: 43.111 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 67912

Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	108.0

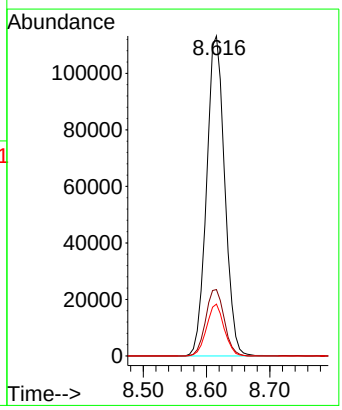


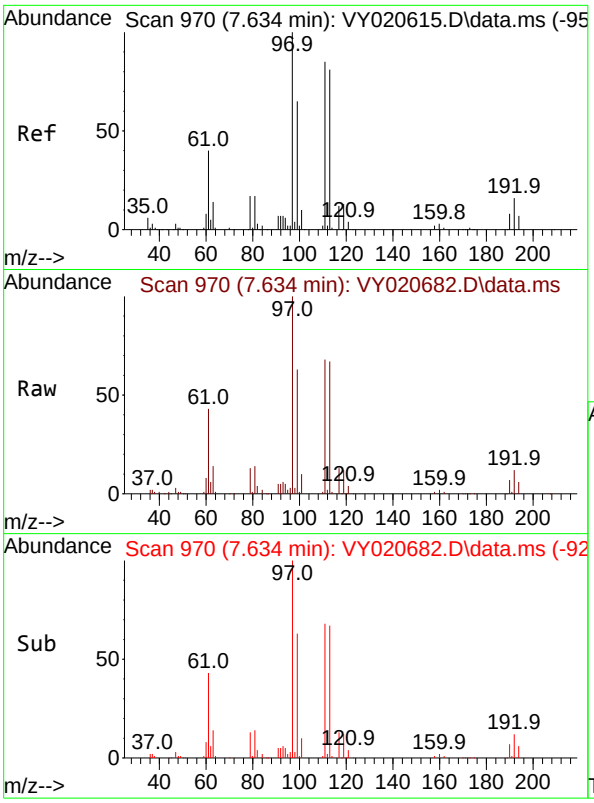


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:114 Resp: 225180

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	44.0
88	16.2	0.0	32.8



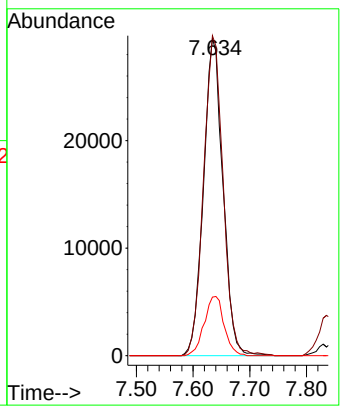


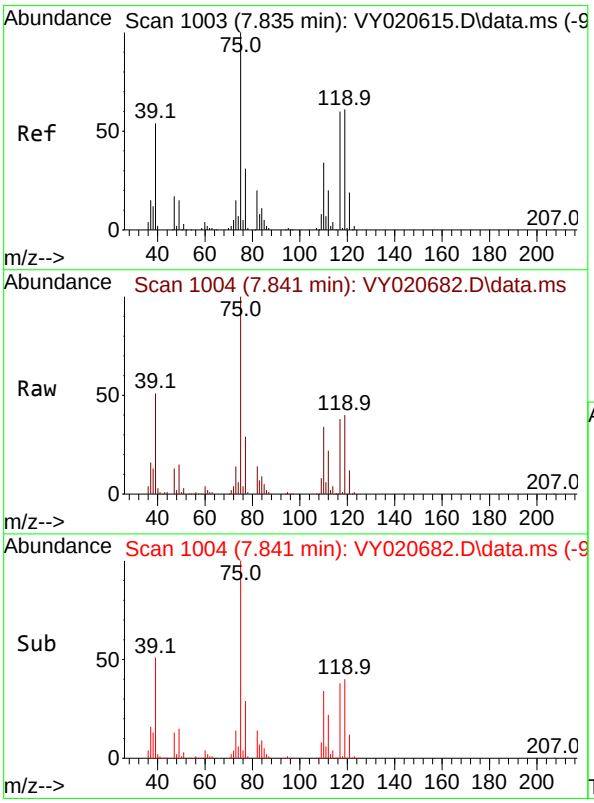
#35
Dibromofluoromethane
Concen: 44.159 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 70081

Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.9	124.3
192	19.1	15.7	23.5

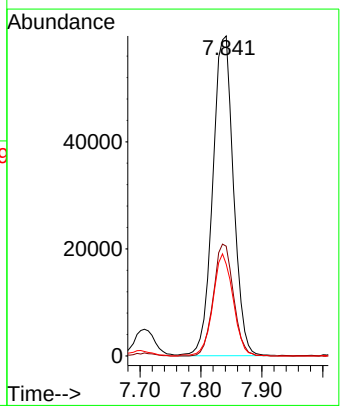


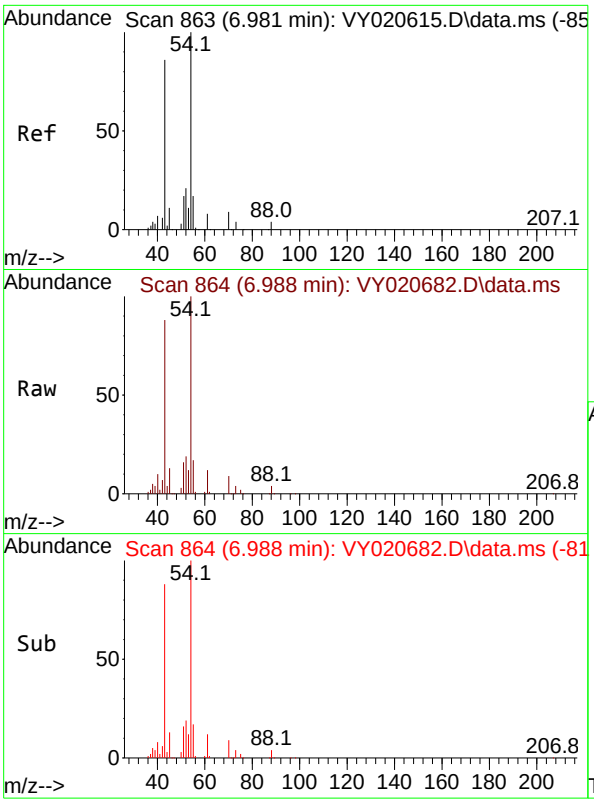


#36
1,1-Dichloropropene
Concen: 48.693 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 75 Resp: 140911

Ion	Ratio	Lower	Upper
75	100		
110	34.1	16.8	50.4
77	31.2	25.0	37.6



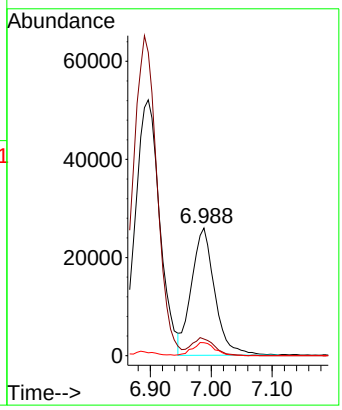


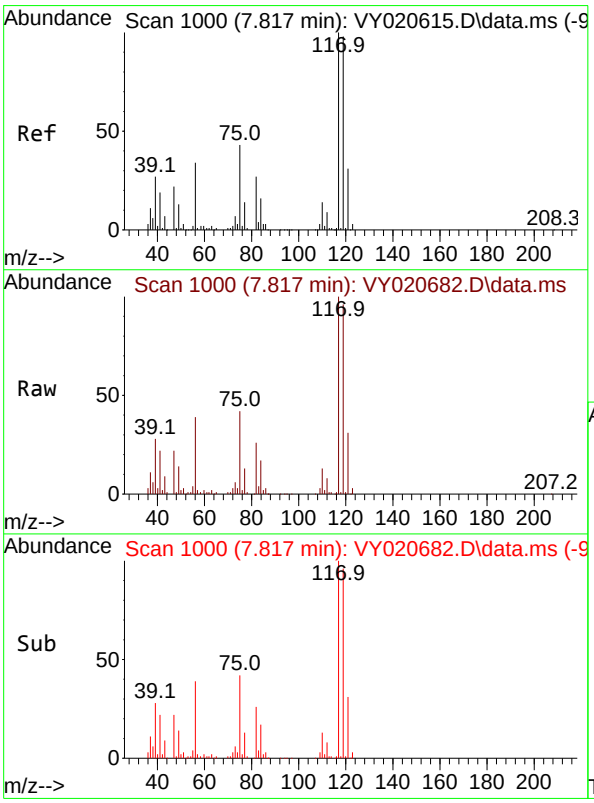
#37
Ethyl Acetate
Concen: 50.601 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 68879

Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.4
70	10.0	7.9	11.9

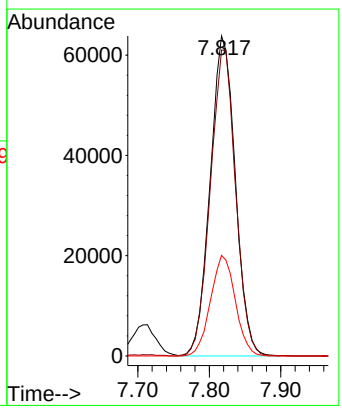


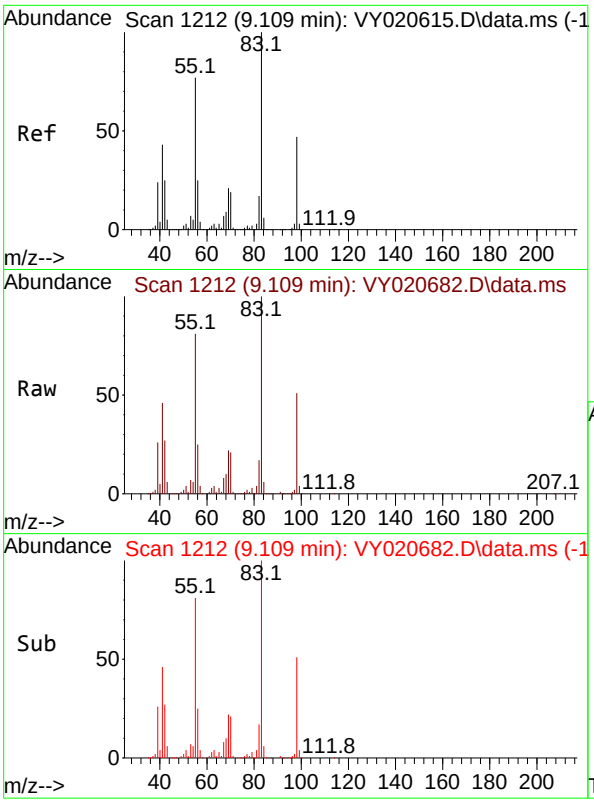


#38
Carbon Tetrachloride
Concen: 48.699 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:117 Resp: 155919

Ion	Ratio	Lower	Upper
117	100		
119	95.6	78.3	117.5
121	31.5	25.1	37.7



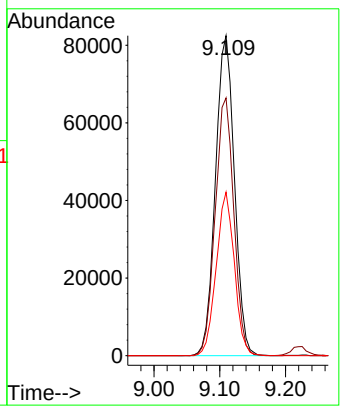


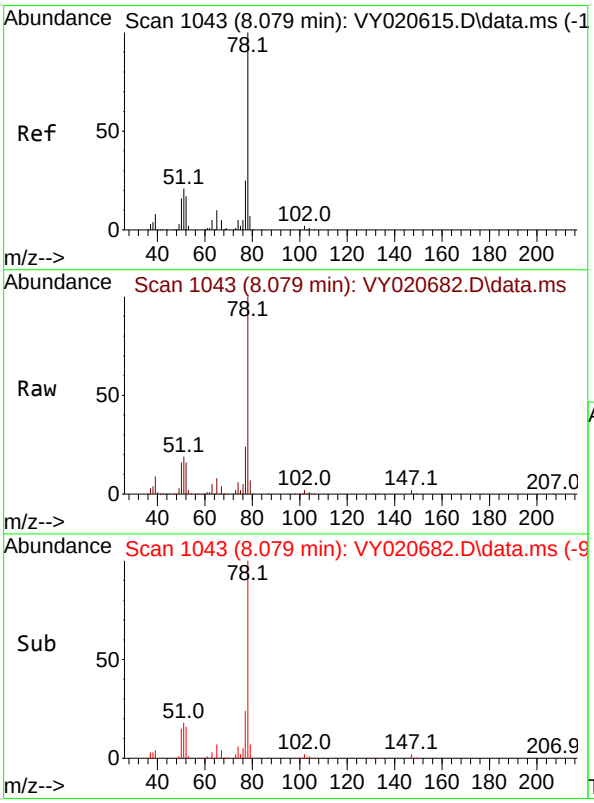
#39
Methylcyclohexane
Concen: 43.957 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 165792

Ion	Ratio	Lower	Upper
83	100		
55	80.6	61.4	92.0
98	51.1	37.3	55.9

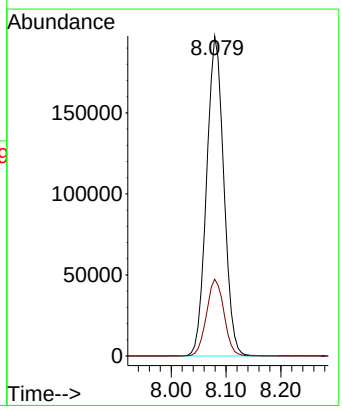


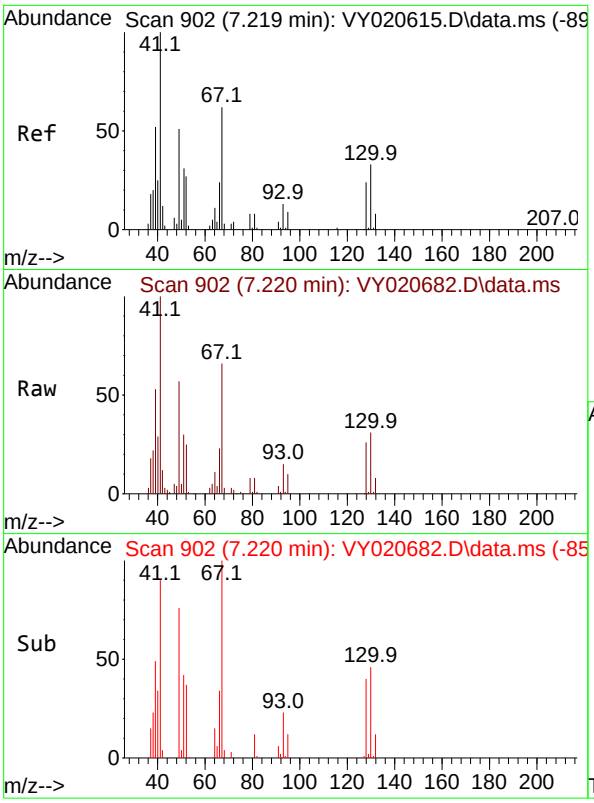


#40
Benzene
Concen: 50.578 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 78 Resp: 429017

Ion	Ratio	Lower	Upper
78	100		
77	24.0	20.1	30.1



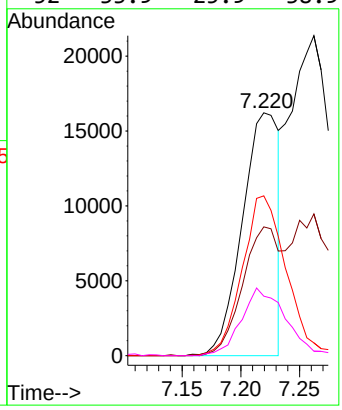


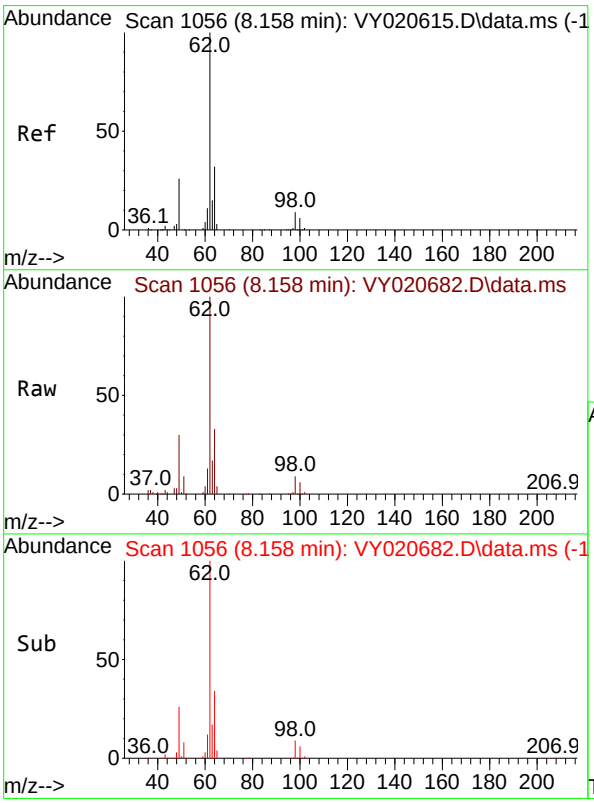
#41
Methacrylonitrile
Concen: 48.692 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 35040

Ion	Ratio	Lower	Upper
41	100		
39	51.4	53.6	80.4#
67	79.5	62.0	93.0
52	33.9	25.9	38.9

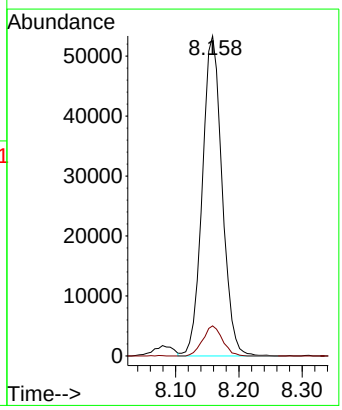


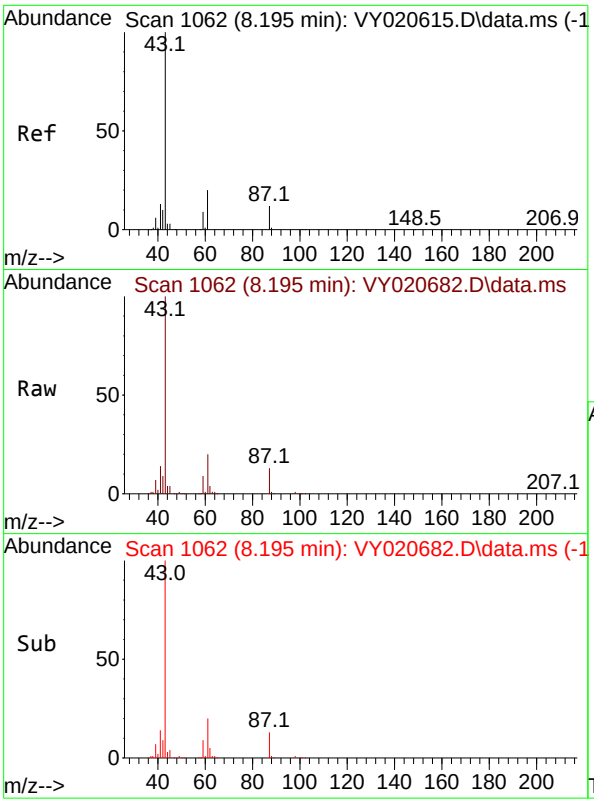


#42
1,2-Dichloroethane
Concen: 51.589 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 62 Resp: 116059

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.0



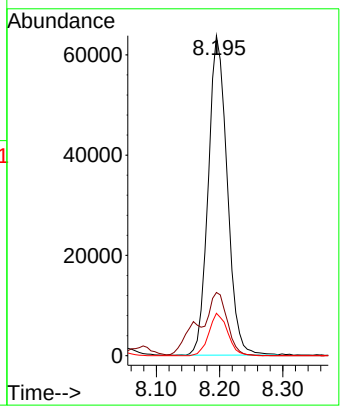


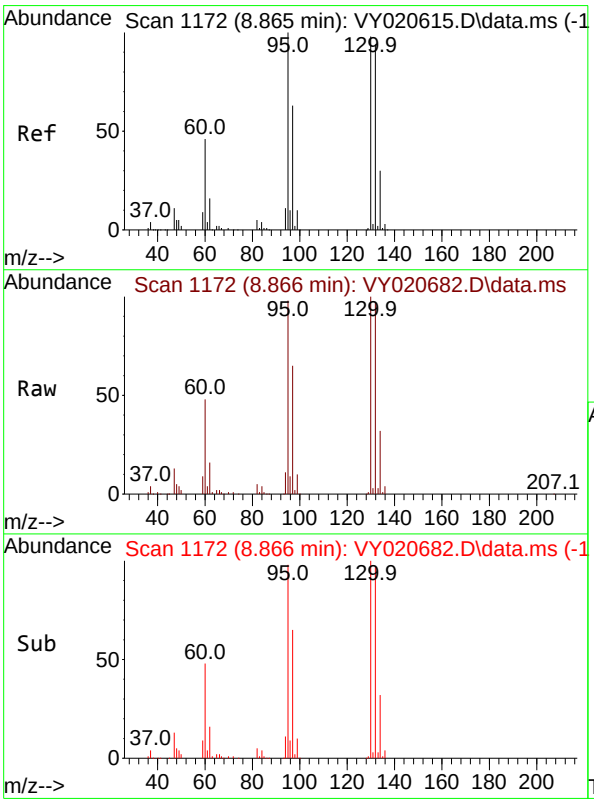
#43
Isopropyl Acetate
Concen: 51.476 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 132653

Ion	Ratio	Lower	Upper
43	100		
61	20.1	23.8	35.6#
87	13.2	10.2	15.4

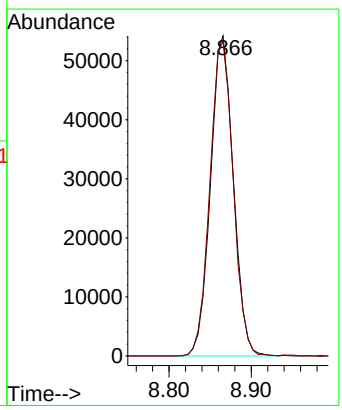


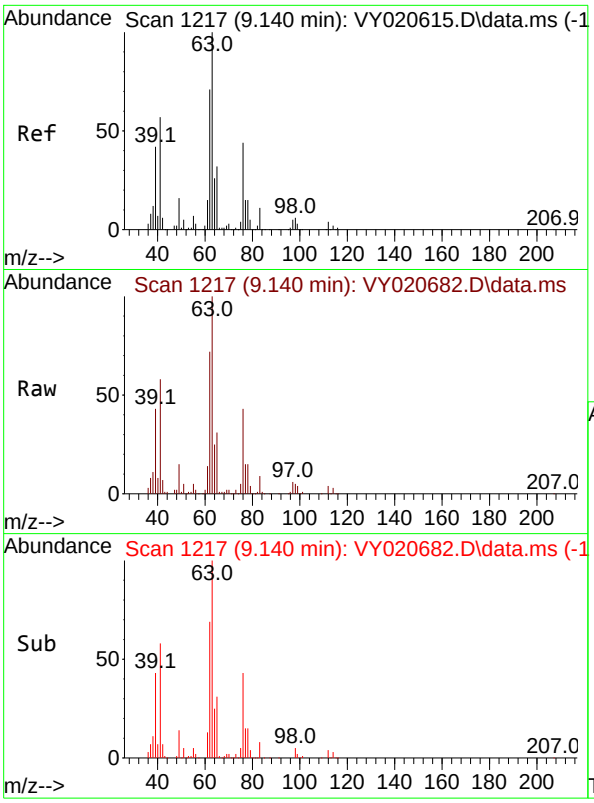


#44
Trichloroethene
Concen: 50.065 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:130 Resp: 104350

Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	203.2



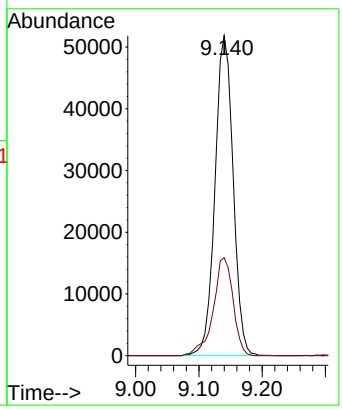


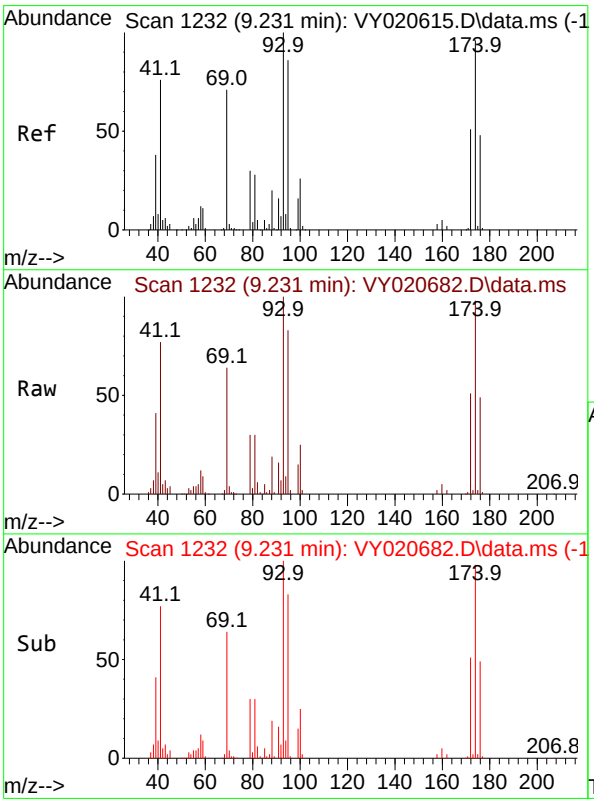
#45
1,2-Dichloropropane
Concen: 51.953 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 102993

Ion	Ratio	Lower	Upper
63	100		
65	30.7	25.9	38.9

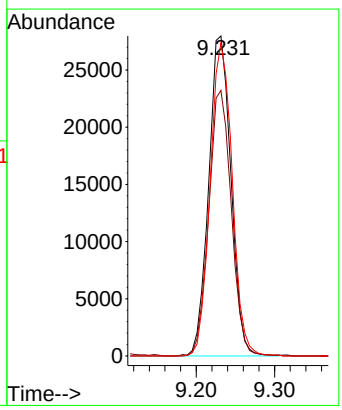


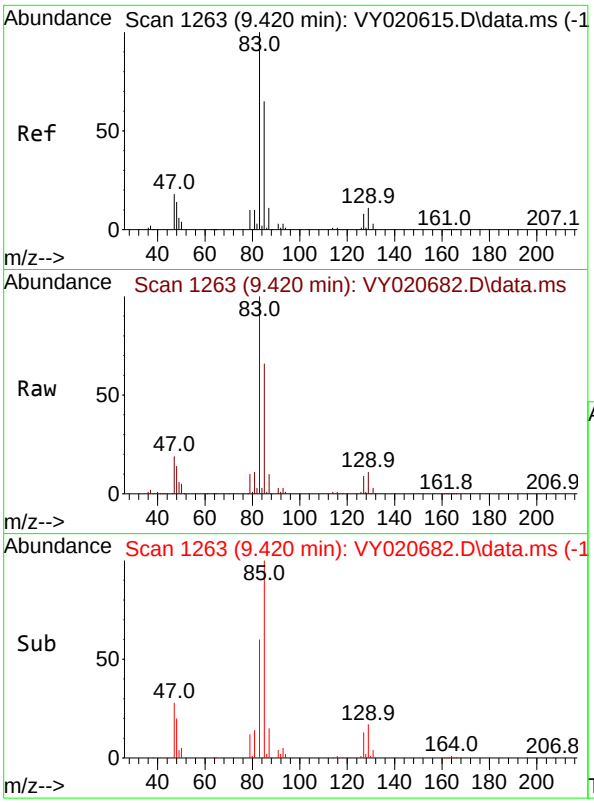


#46
Dibromomethane
Concen: 52.734 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 93 Resp: 55249

Ion	Ratio	Lower	Upper
93	100		
95	83.9	66.7	100.1
174	96.8	77.8	116.6



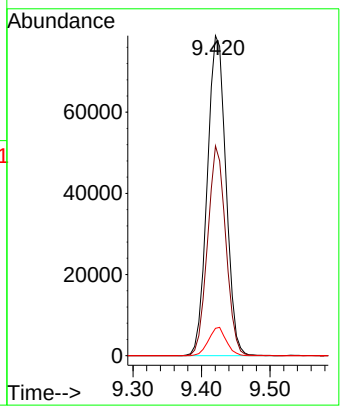


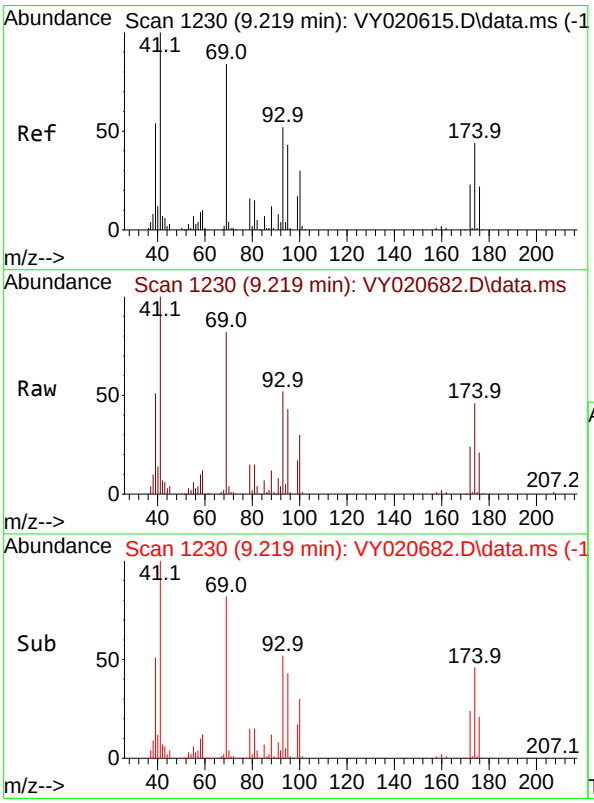
#47
Bromodichloromethane
Concen: 52.643 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 148983

Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.1	78.1
127	8.5	6.7	10.1

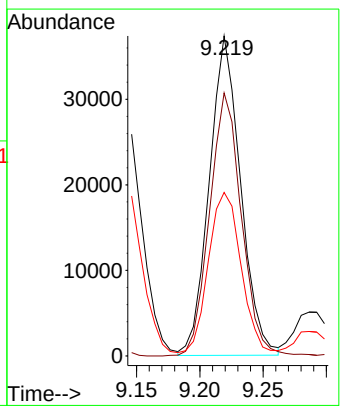


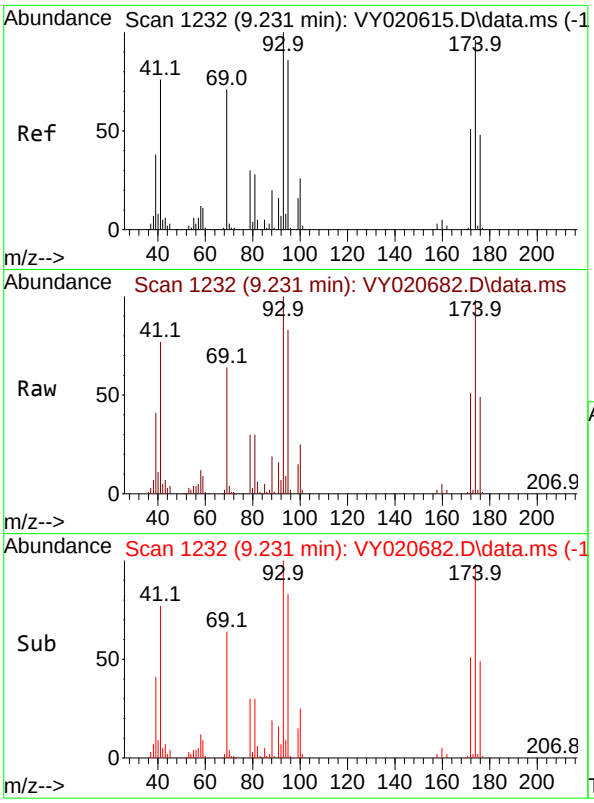


#48
Methyl methacrylate
Concen: 52.516 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 41 Resp: 64336

Ion	Ratio	Lower	Upper
41	100		
69	83.7	67.2	100.8
39	52.0	42.2	63.4



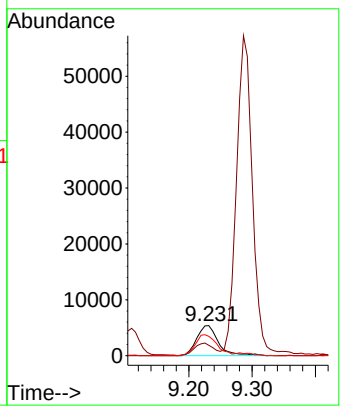


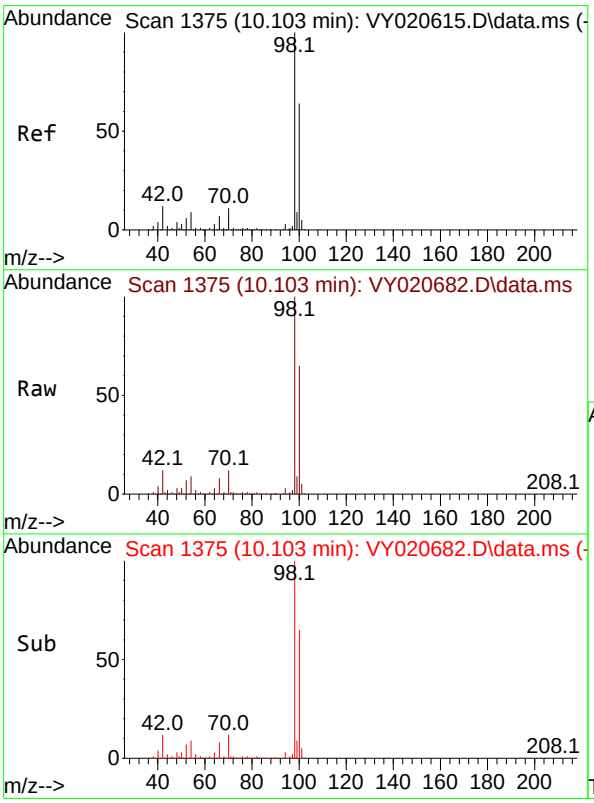
#49
1,4-Dioxane
Concen: 1069.318 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 12848

Ion	Ratio	Lower	Upper
88	100		
43	37.9	27.6	41.4
58	69.8	61.7	92.5

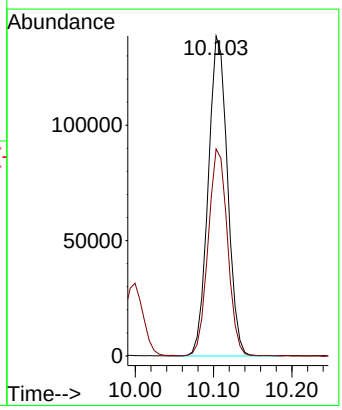


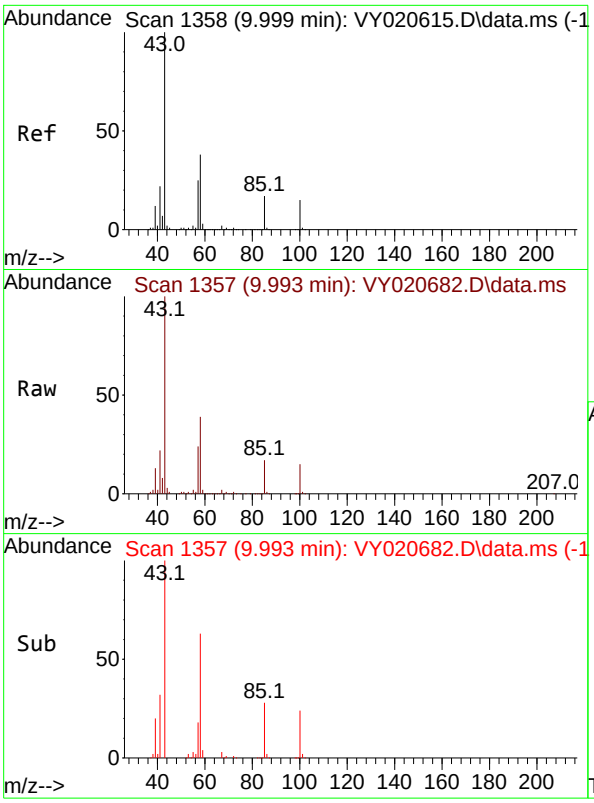


#50
Toluene-d8
Concen: 42.543 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 98 Resp: 236316

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1



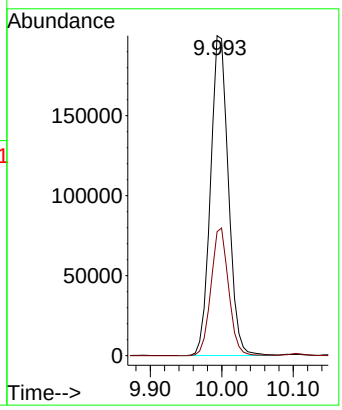


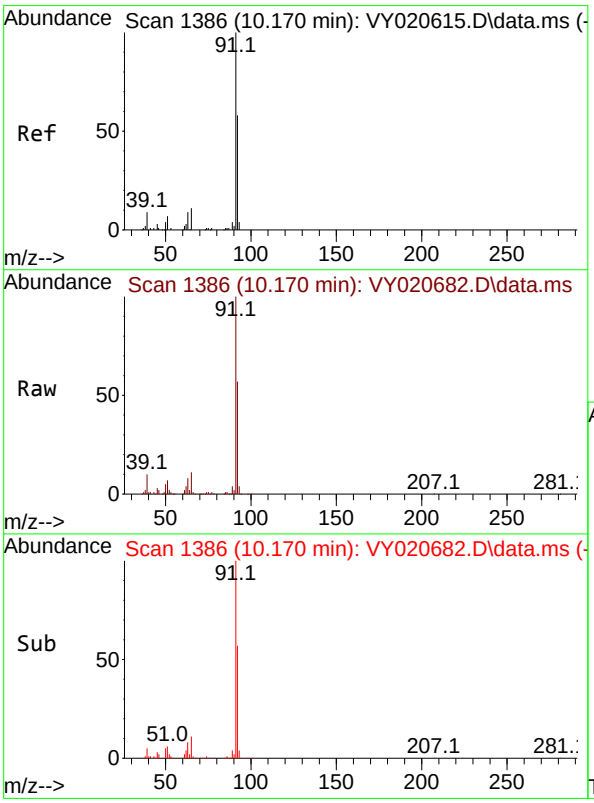
#51
4-Methyl-2-Pentanone
Concen: 255.175 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 347100

Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.4	47.2

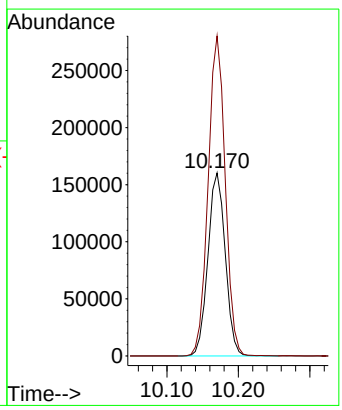


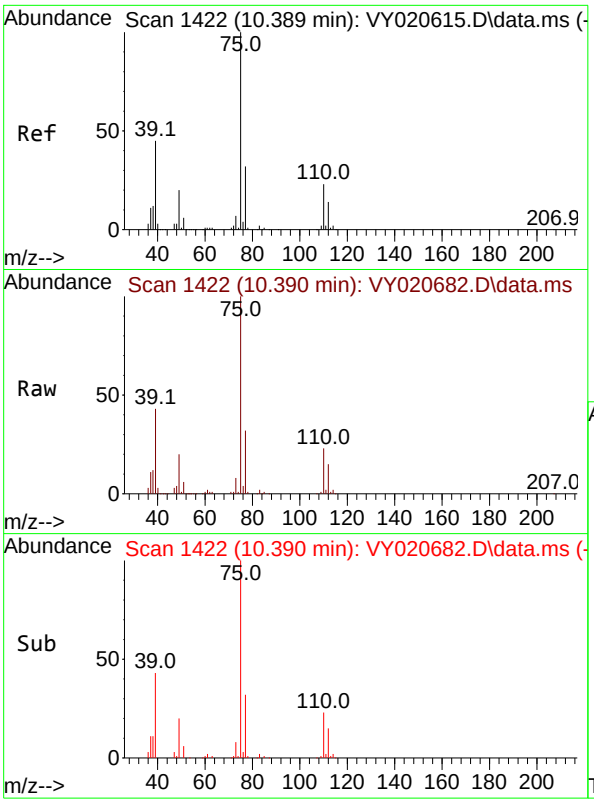


#52
Toluene
Concen: 51.164 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 92 Resp: 269709

Ion	Ratio	Lower	Upper
92	100		
91	172.5	137.4	206.0



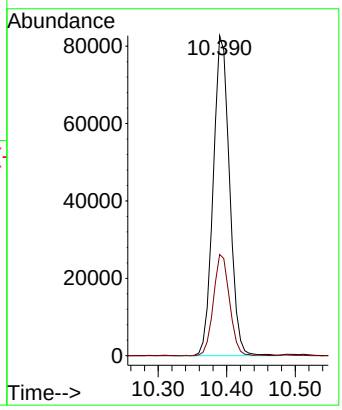


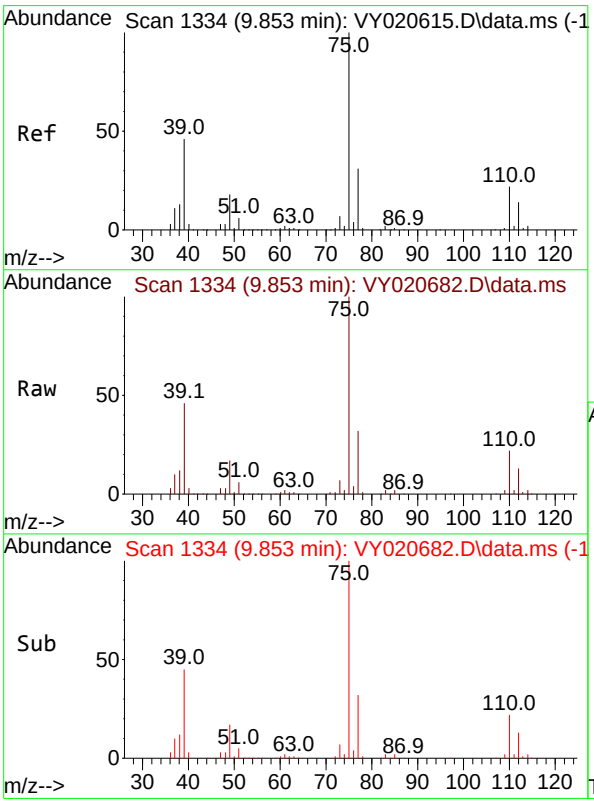
#53
t-1,3-Dichloropropene
Concen: 51.983 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 137082

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2

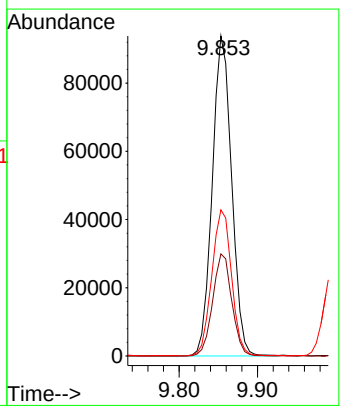


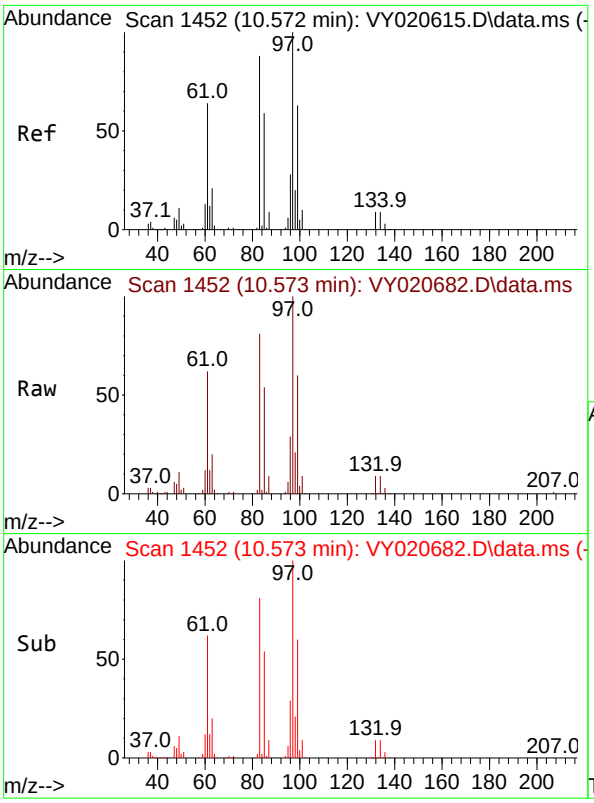


#54
cis-1,3-Dichloropropene
Concen: 51.582 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 75 Resp: 161185

Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.6	36.8
39	45.5	36.4	54.6



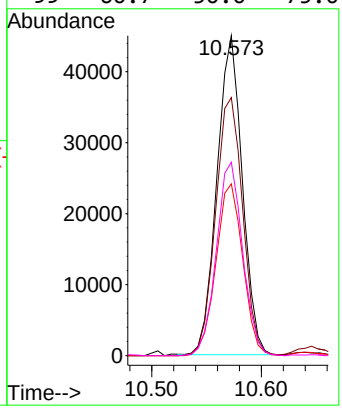


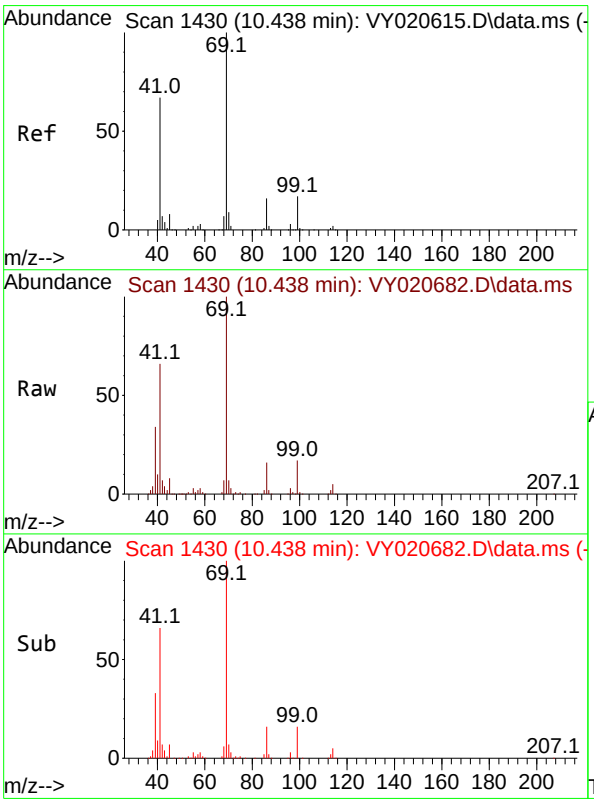
#55
1,1,2-Trichloroethane
Concen: 52.160 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 72252

Ion	Ratio	Lower	Upper
97	100		
83	80.9	70.4	105.6
85	53.9	47.2	70.8
99	60.7	50.0	75.0

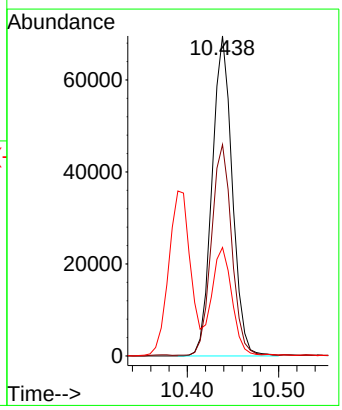


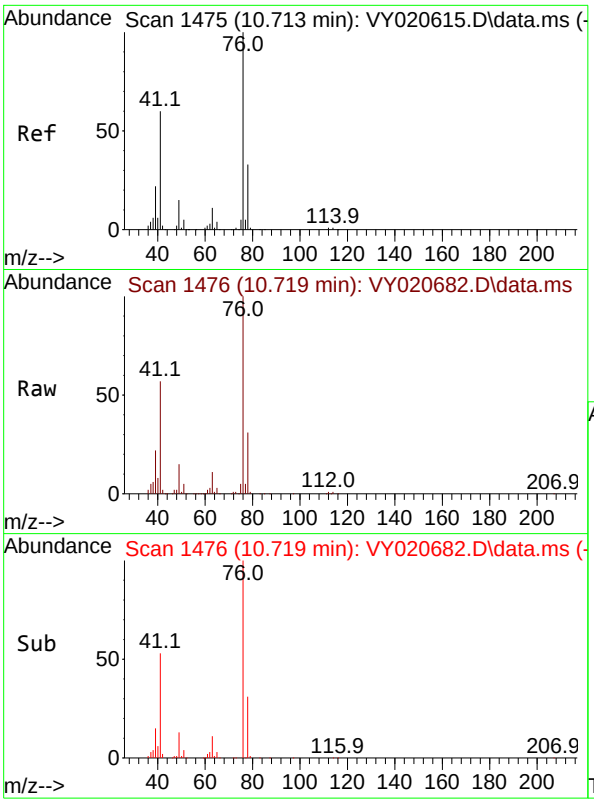


#56
Ethyl methacrylate
Concen: 53.177 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 69 Resp: 106862

Ion	Ratio	Lower	Upper
69	100		
41	65.9	54.0	81.0
39	34.4	27.9	41.9



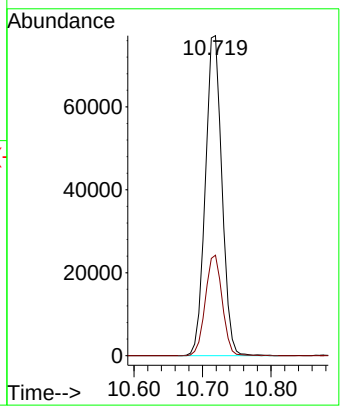


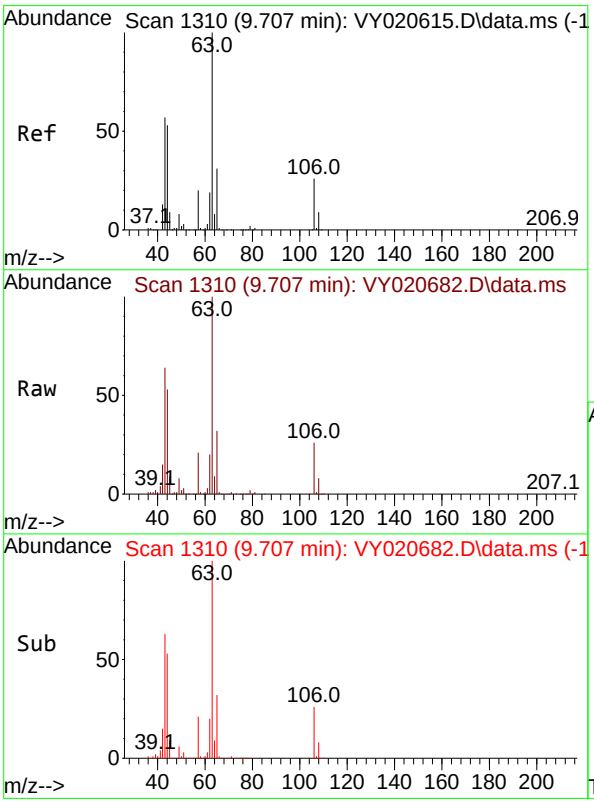
#57
1,3-Dichloropropane
Concen: 52.533 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 129720

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

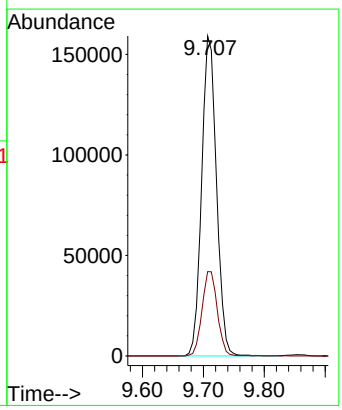


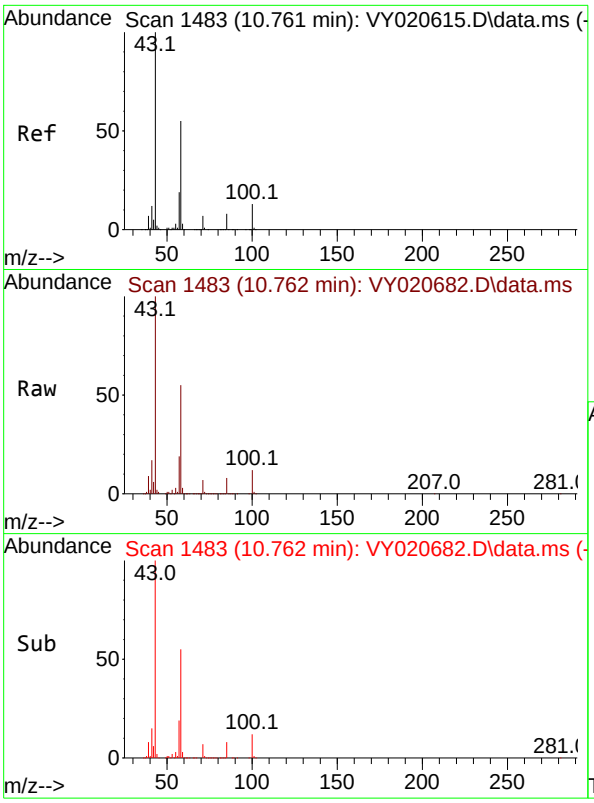


#58
2-Chloroethyl Vinyl ether
Concen: 318.460 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 63 Resp: 269274

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.5	32.3



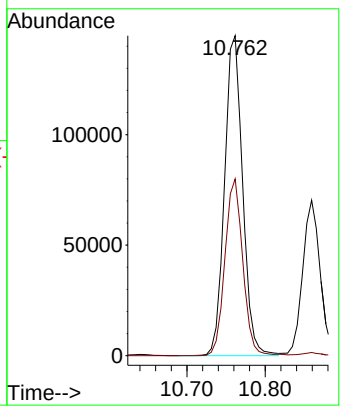


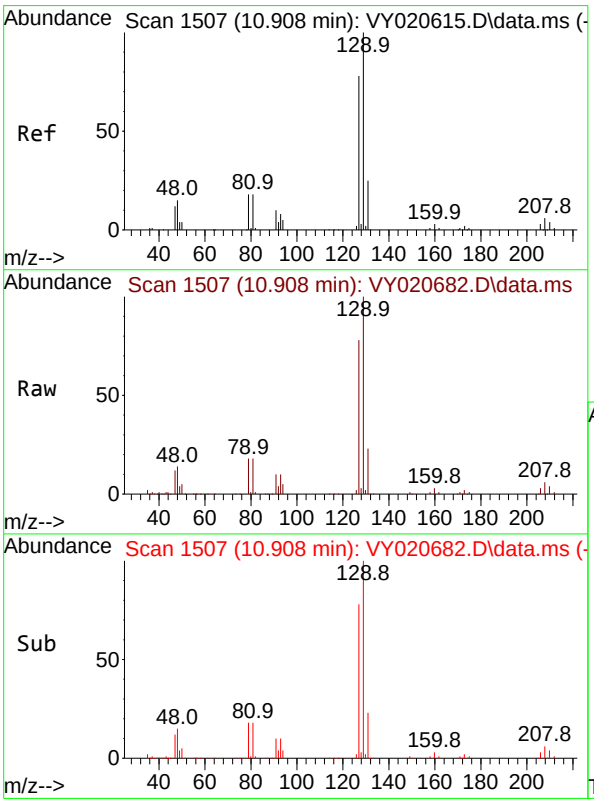
#59
2-Hexanone
Concen: 266.163 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 232450

Ion	Ratio	Lower	Upper
43	100		
58	54.6	27.2	81.6

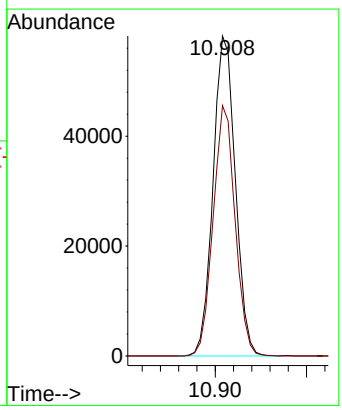


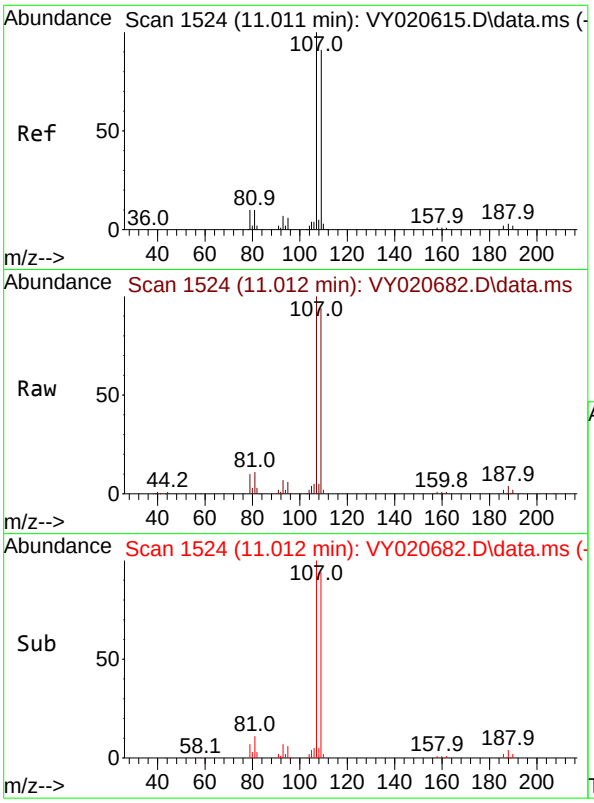


#60
Dibromochloromethane
Concen: 53.204 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:129 Resp: 98561

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.1	114.3



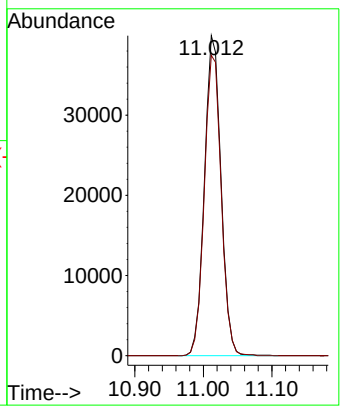


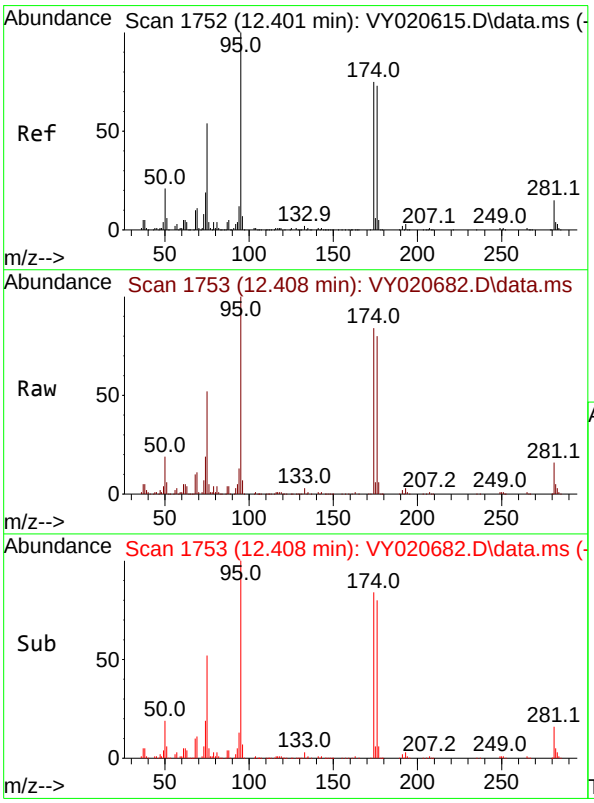
#61
1,2-Dibromoethane
Concen: 52.208 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 67268

Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.4	113.2

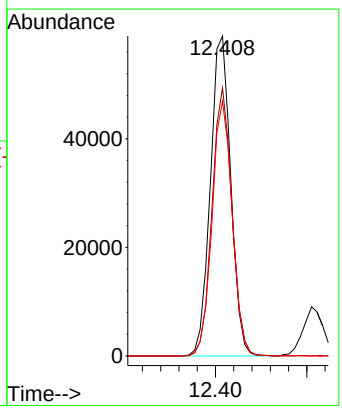


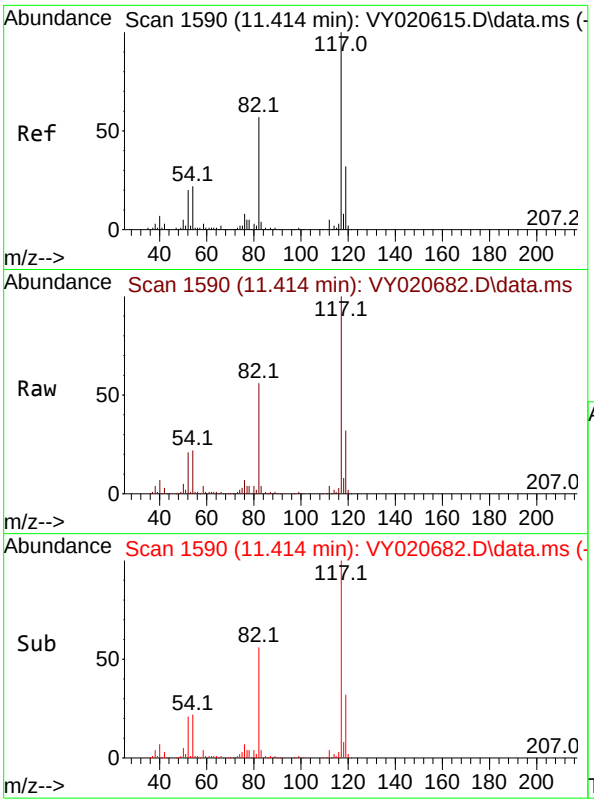


#62
4-Bromofluorobenzene
Concen: 42.042 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 95 Resp: 91351

Ion	Ratio	Lower	Upper
95	100		
174	81.6	0.0	161.8
176	78.8	0.0	156.6



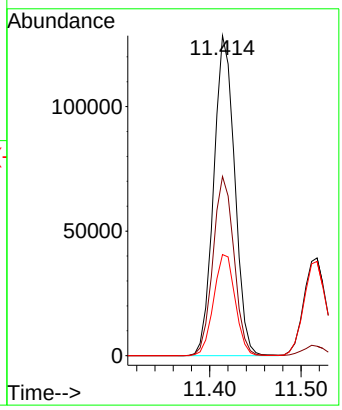


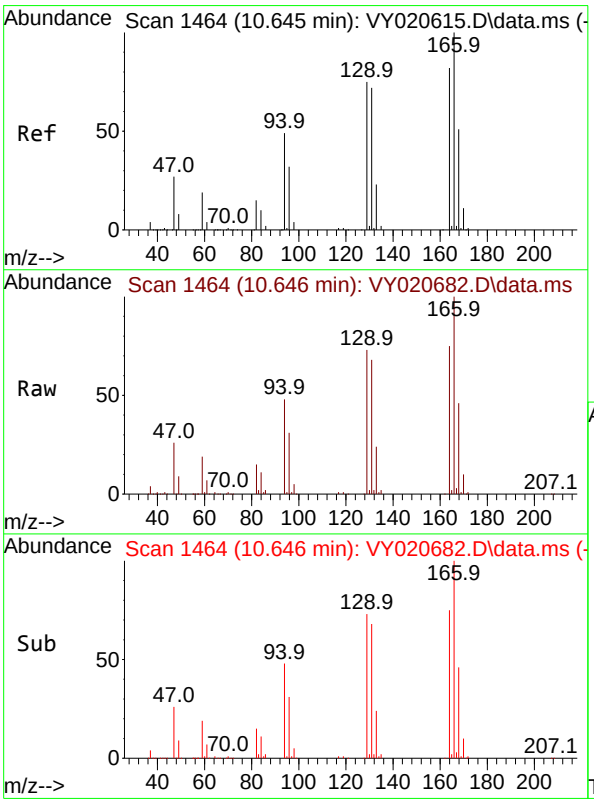
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 204671

Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.8	68.6
119	31.6	25.3	37.9

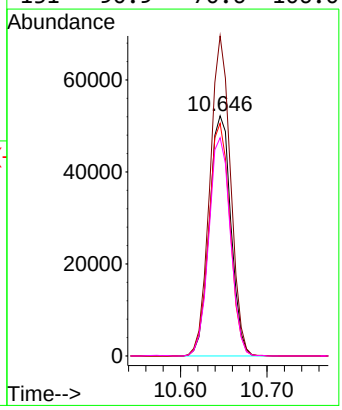


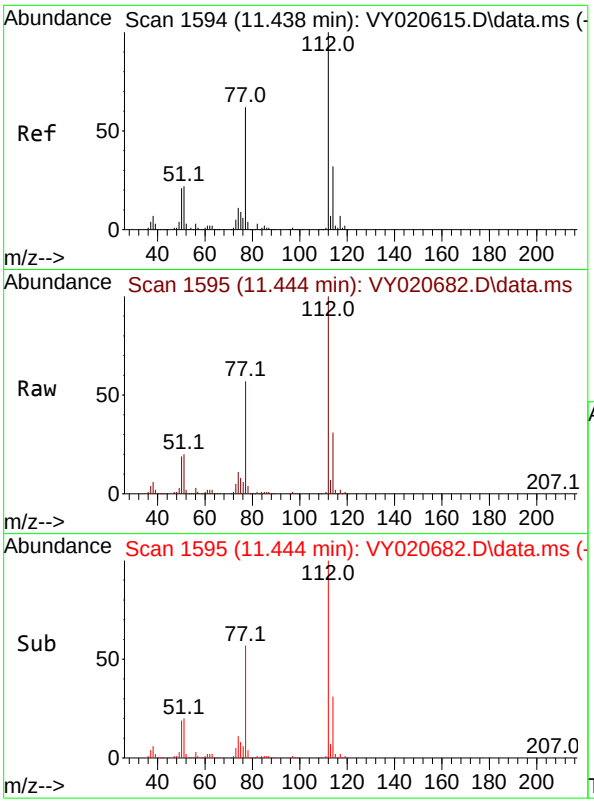


#64
Tetrachloroethene
Concen: 47.125 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:164 Resp: 90723

Ion	Ratio	Lower	Upper
164	100		
166	133.3	97.9	146.9
129	96.9	73.4	110.0
131	90.9	70.6	106.0



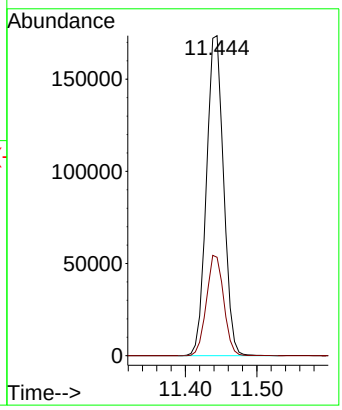


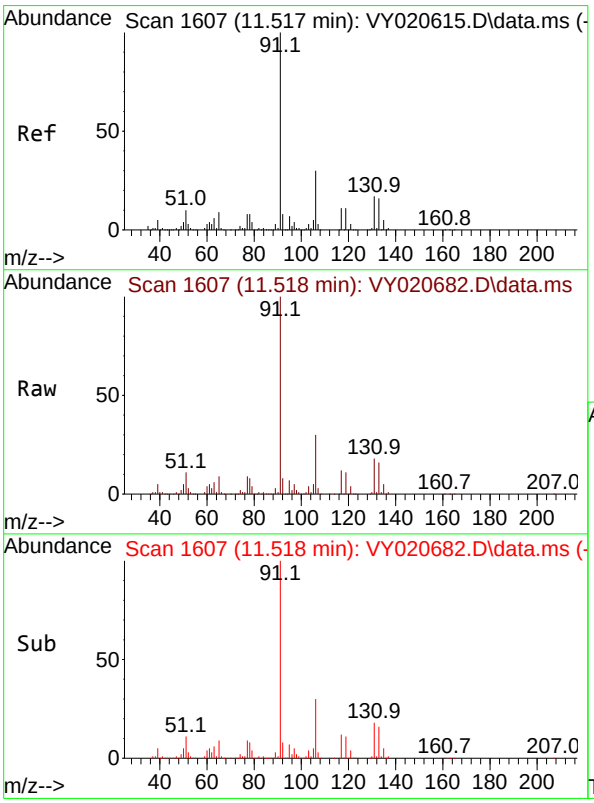
#65
Chlorobenzene
Concen: 50.396 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 288406

Ion	Ratio	Lower	Upper
112	100		
114	30.7	26.0	39.0

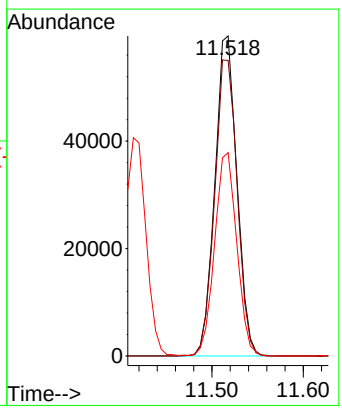


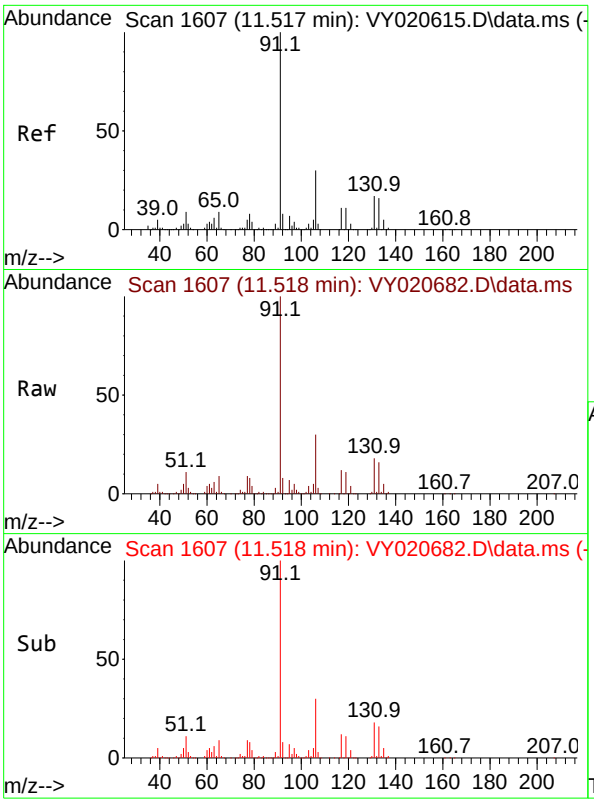


#66
1,1,1,2-Tetrachloroethane
Concen: 51.120 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:131 Resp: 100036

Ion	Ratio	Lower	Upper
131	100		
133	94.5	46.8	140.3
119	64.0	31.8	95.3



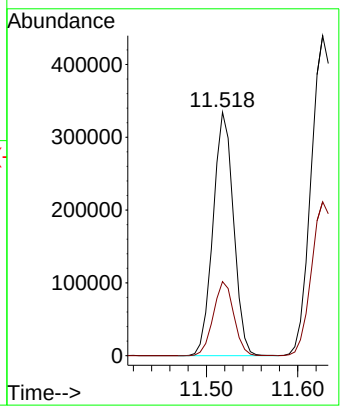


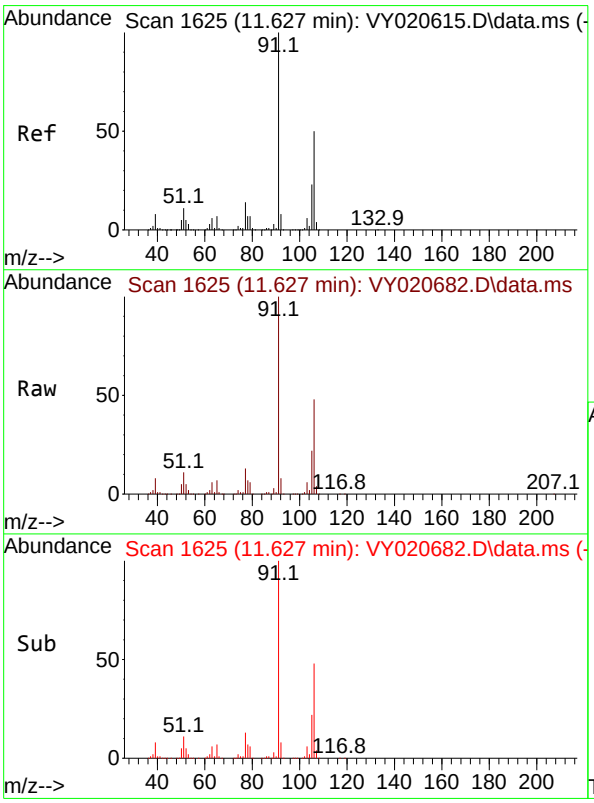
#67
Ethyl Benzene
Concen: 49.283 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 520329

Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.9	35.9

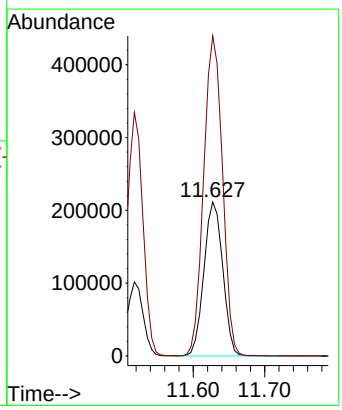


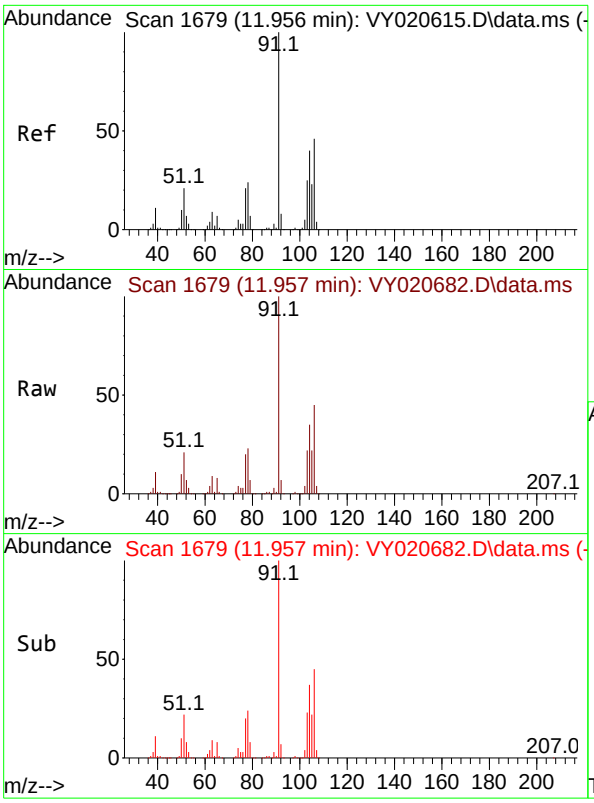


#68
m/p-Xylenes
Concen: 98.385 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:106 Resp: 386215

Ion	Ratio	Lower	Upper
106	100		
91	207.9	165.0	247.4



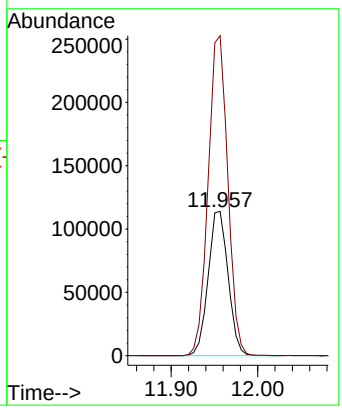


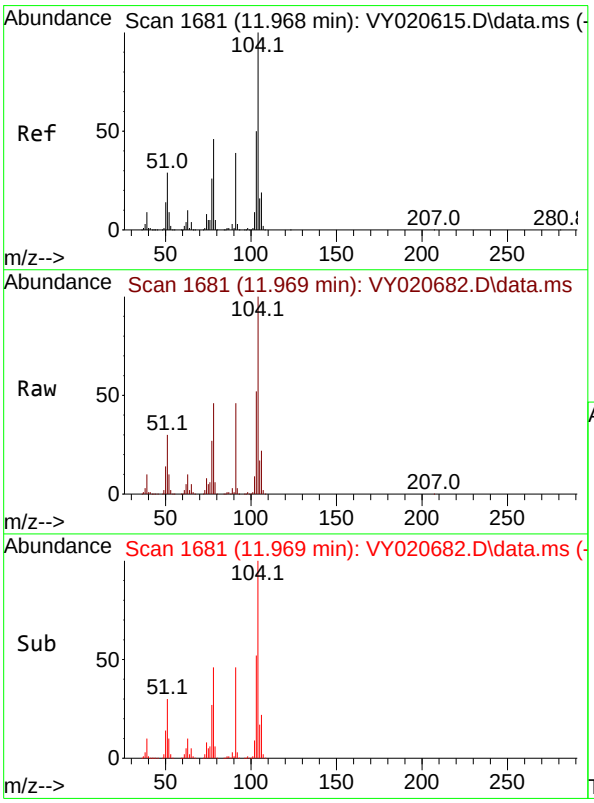
#69
o-Xylene
Concen: 49.791 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 182369

Ion	Ratio	Lower	Upper
106	100		
91	218.7	108.4	325.2

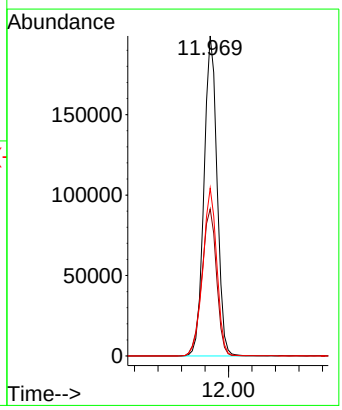


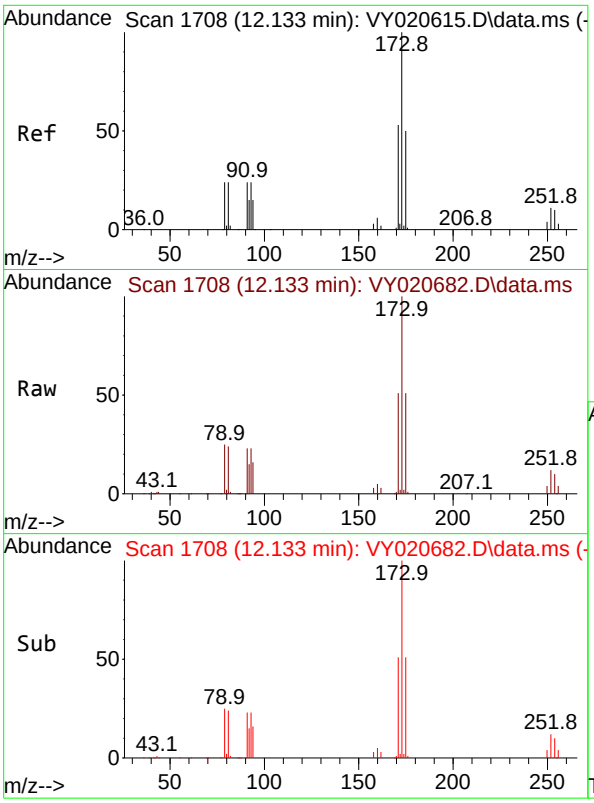


#70
Styrene
Concen: 50.345 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:104 Resp: 308084

Ion	Ratio	Lower	Upper
104	100		
78	51.4	41.6	62.4
103	56.1	43.7	65.5



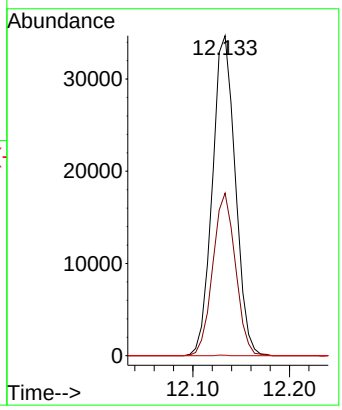


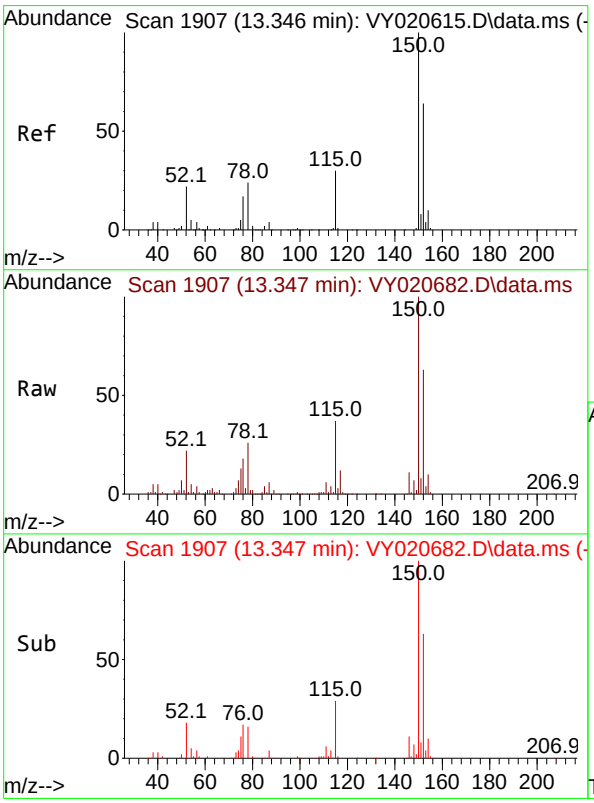
#71
Bromoform
Concen: 51.813 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 57006

Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.6	74.0
254	0.1	0.0	0.0#

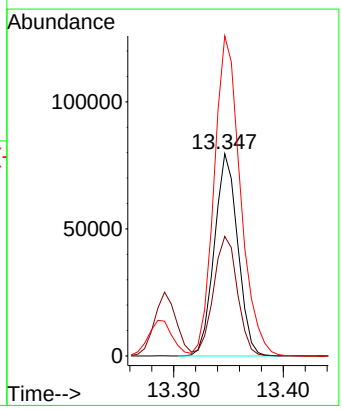


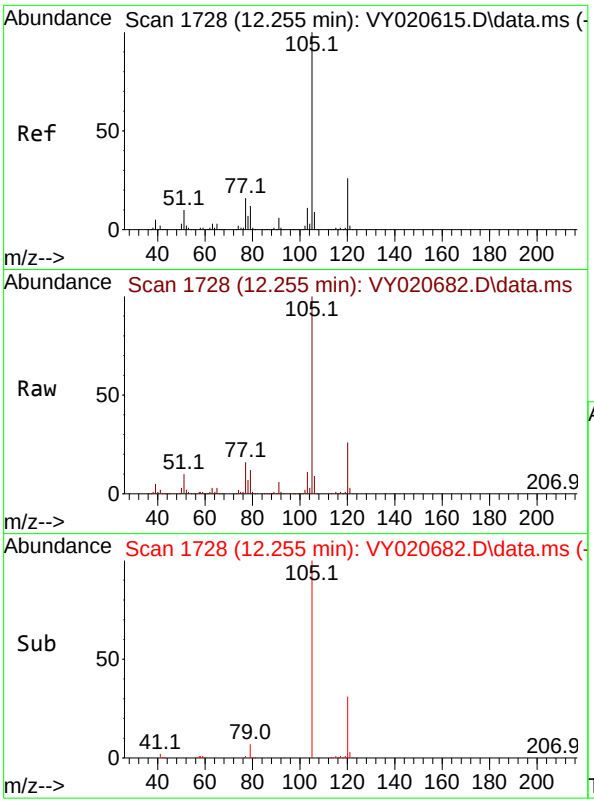


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:152 Resp: 118027

Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.2	90.6
150	177.6	0.0	355.4



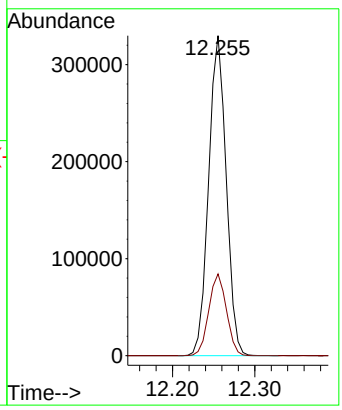


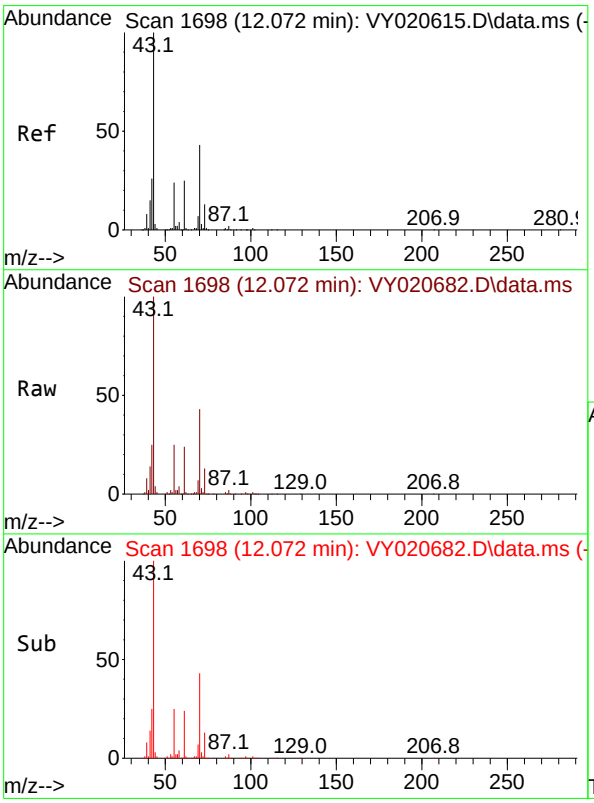
#73
Isopropylbenzene
Concen: 47.402 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 488221

Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.1	39.1

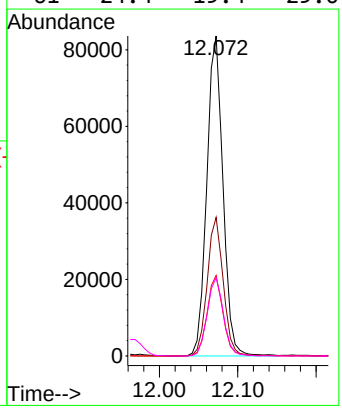


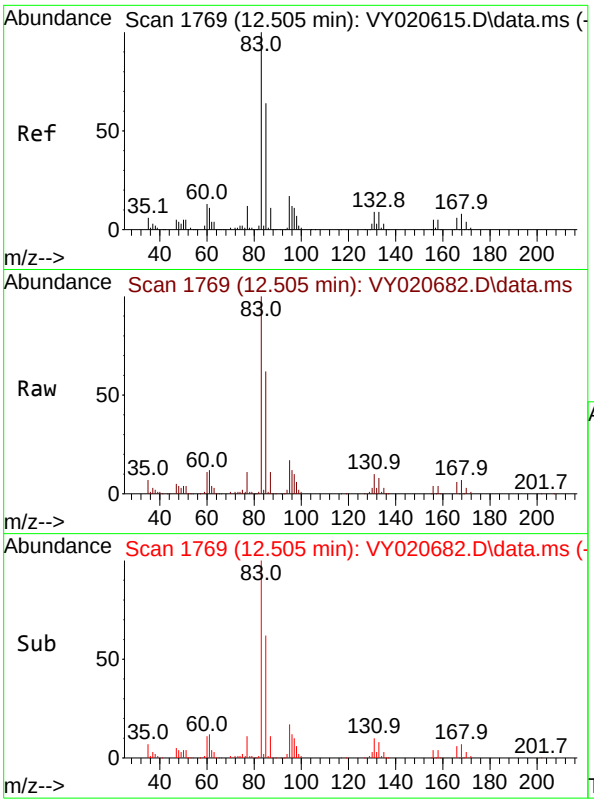


#74
N-amyl acetate
Concen: 49.676 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 43 Resp: 119742

Ion	Ratio	Lower	Upper
43	100		
70	43.1	34.2	51.2
55	25.0	19.6	29.4
61	24.4	19.4	29.0



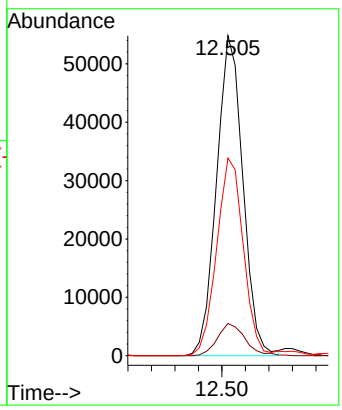


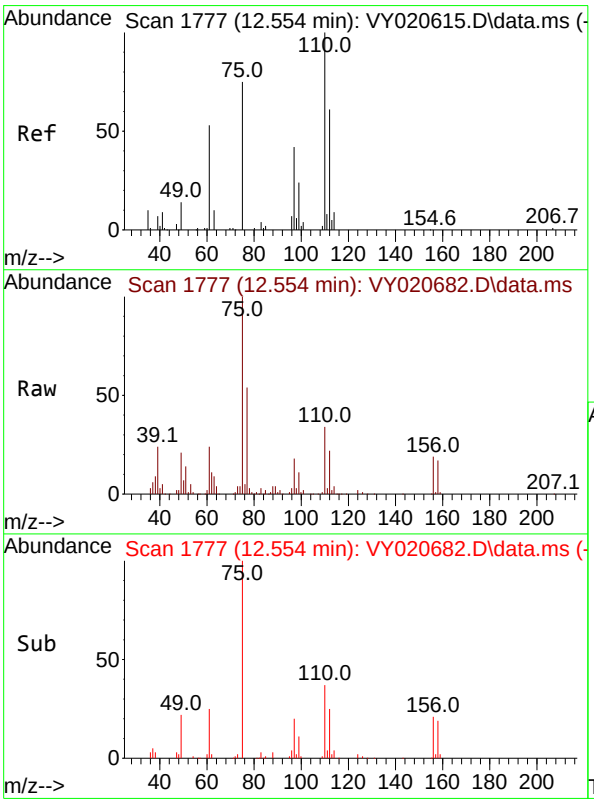
#75
1,1,2,2-Tetrachloroethane
Concen: 51.155 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 85524

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	62.4	32.5	97.4

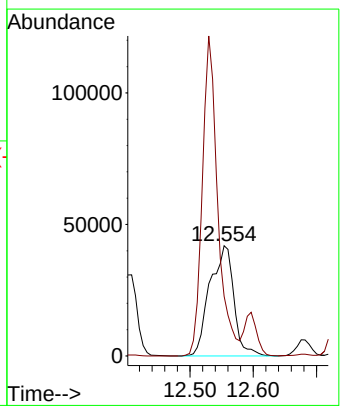


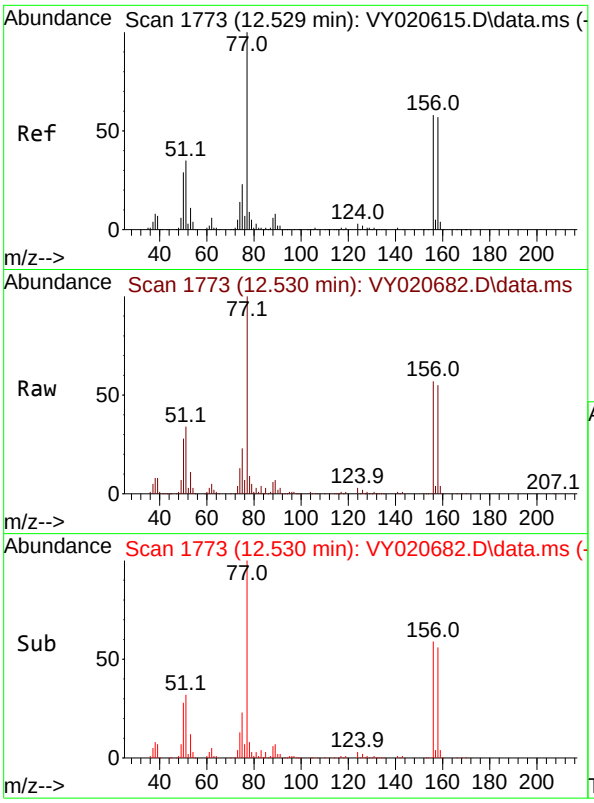


#76
1,2,3-Trichloropropane
Concen: 89.947 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 75 Resp: 110281

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



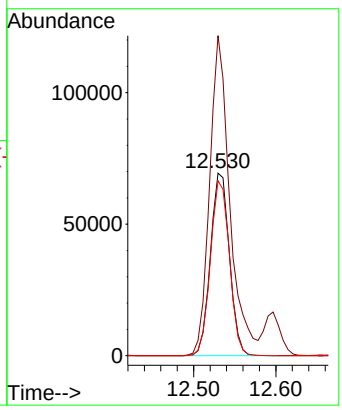


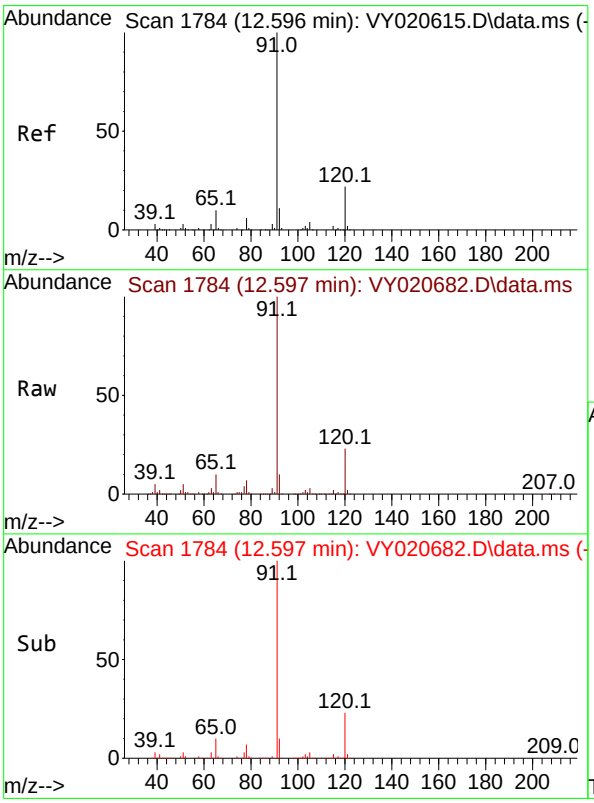
#77
Bromobenzene
Concen: 49.582 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 111242

Ion	Ratio	Lower	Upper
156	100		
77	186.5	94.2	282.4
158	95.9	48.9	146.6

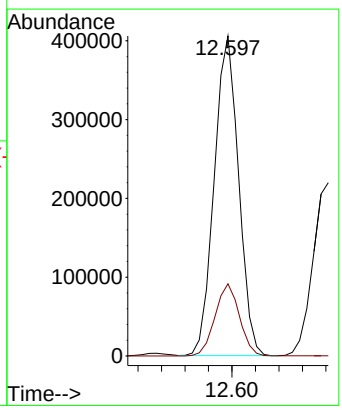


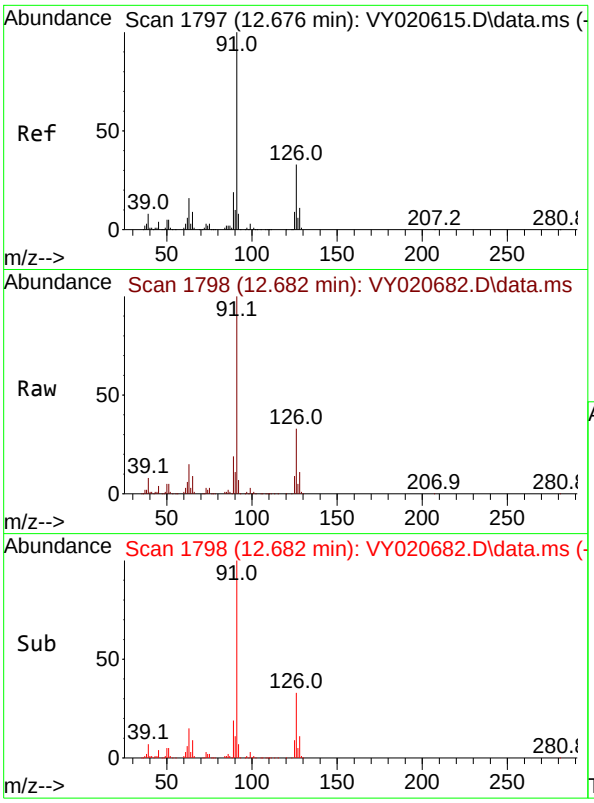


#78
n-propylbenzene
Concen: 47.158 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 91 Resp: 585185

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.1



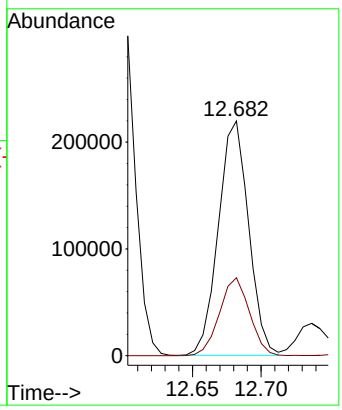


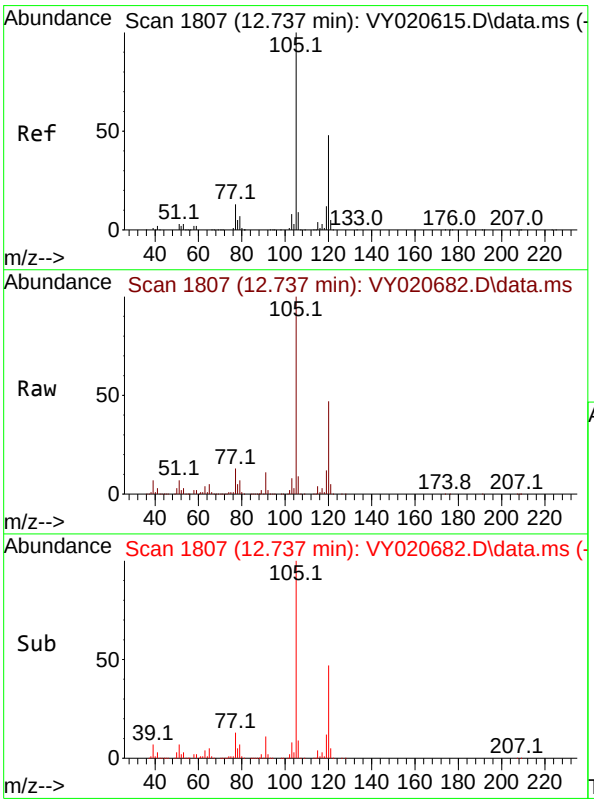
#79
2-Chlorotoluene
Concen: 48.298 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 337195

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.6	49.7

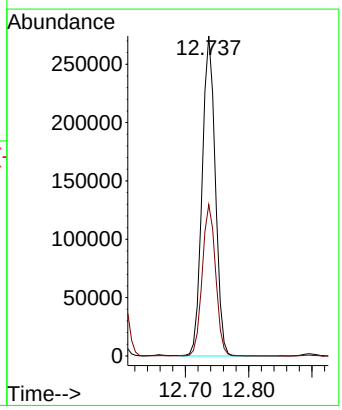


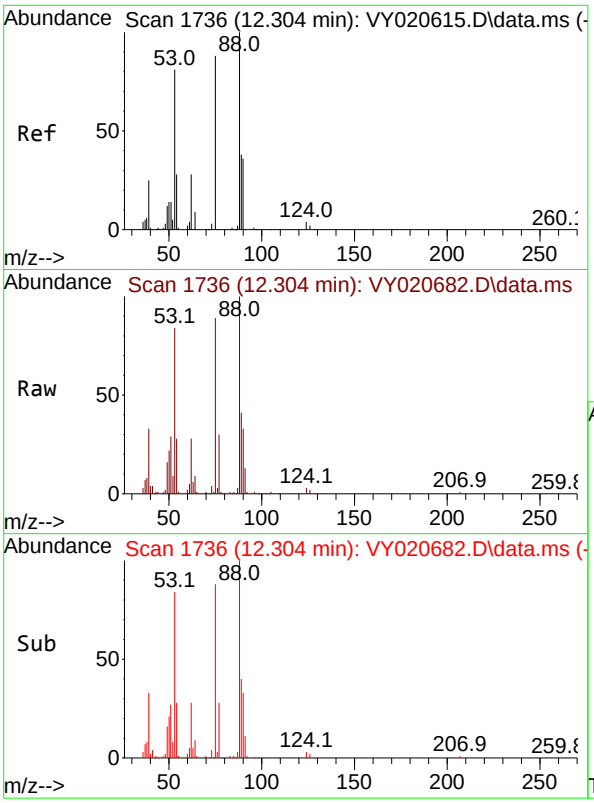


#80
1,3,5-Trimethylbenzene
Concen: 47.693 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:105 Resp: 398582

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.9	71.7



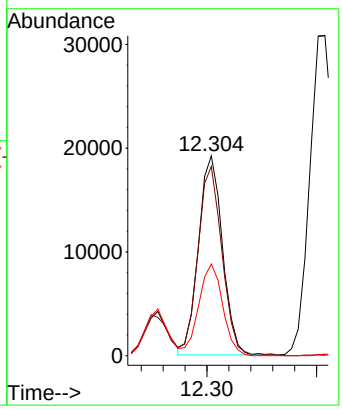


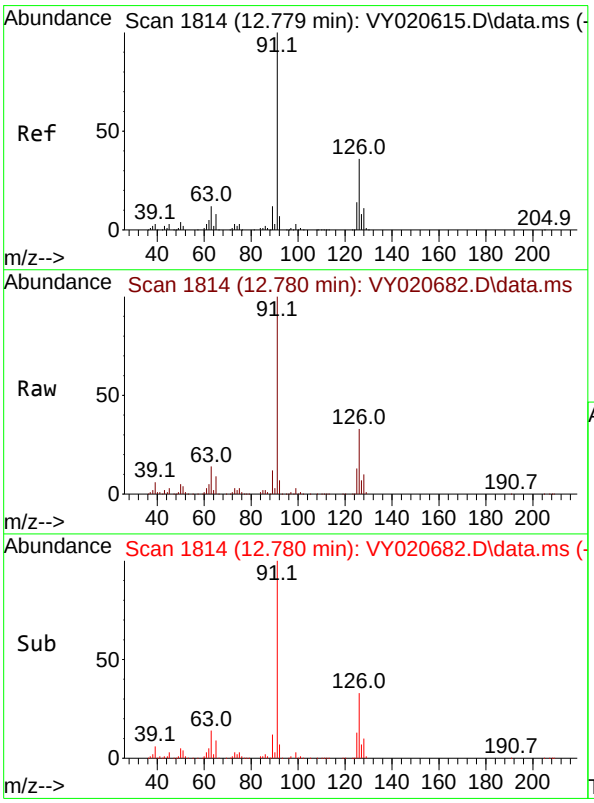
#81
trans-1,4-Dichloro-2-butene
Concen: 49.831 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 29107

Ion	Ratio	Lower	Upper
75	100		
53	96.0	75.4	113.2
89	46.3	37.0	55.4

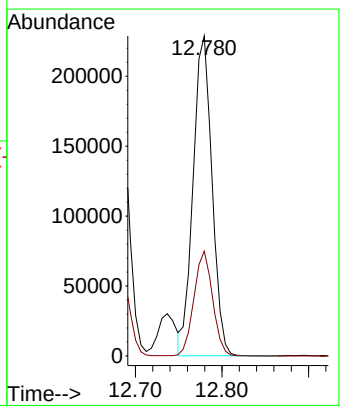


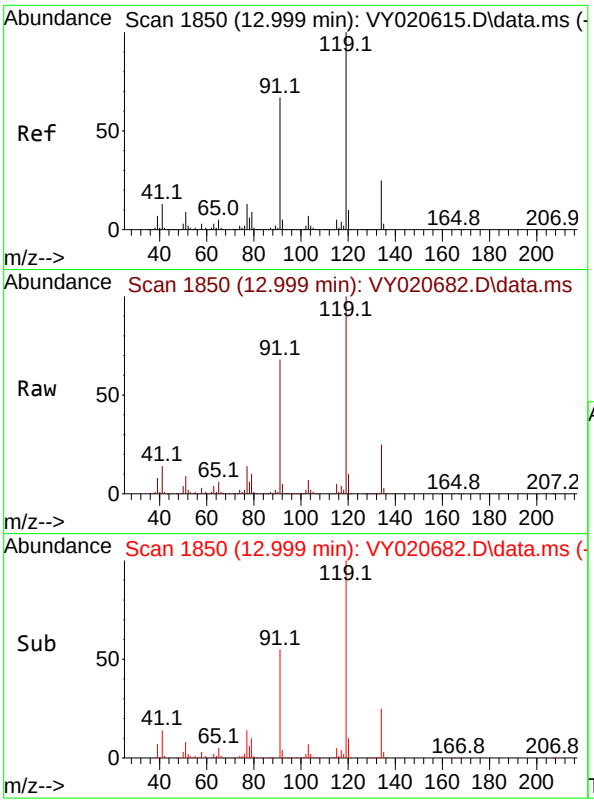


#82
4-Chlorotoluene
Concen: 47.838 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 91 Resp: 346496

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.6	49.7



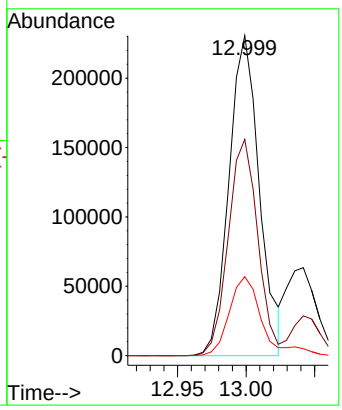


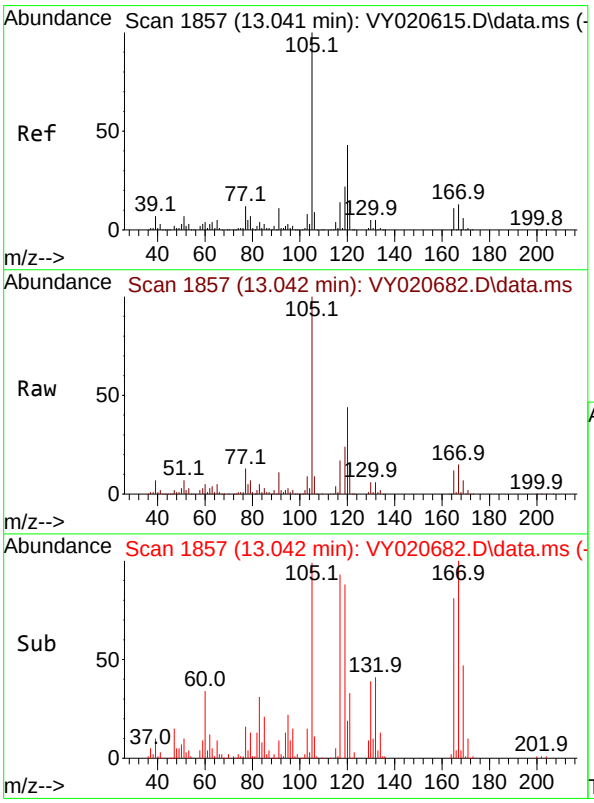
#83
tert-Butylbenzene
Concen: 47.095 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 356447

Ion	Ratio	Lower	Upper
119	100		
91	65.4	32.9	98.6
134	26.6	13.1	39.1

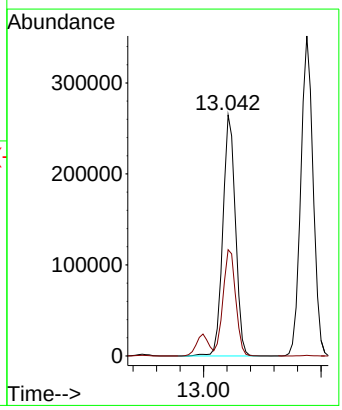


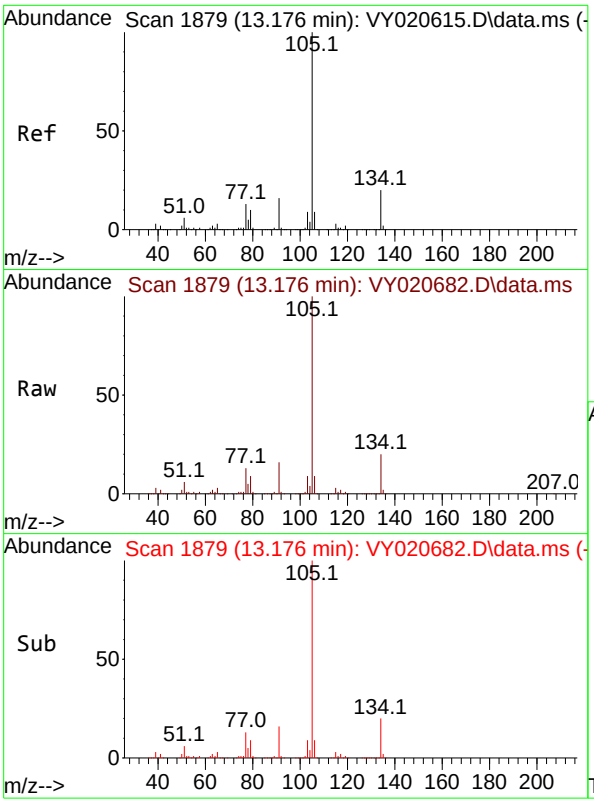


#84
1,2,4-Trimethylbenzene
Concen: 48.012 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:105 Resp: 393582

Ion	Ratio	Lower	Upper
105	100		
120	44.1	21.8	65.4



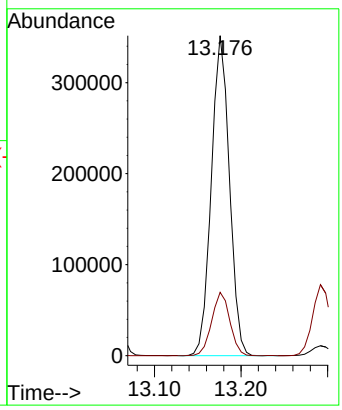


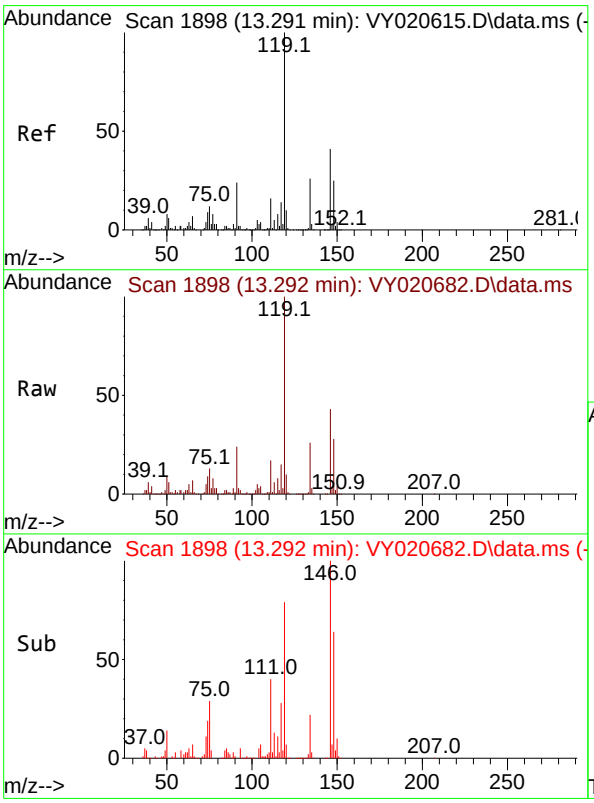
#85
sec-Butylbenzene
Concen: 46.404 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 510662

Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.0	30.0

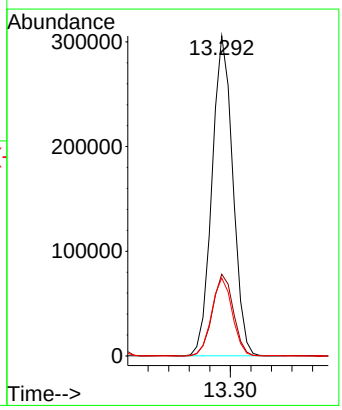


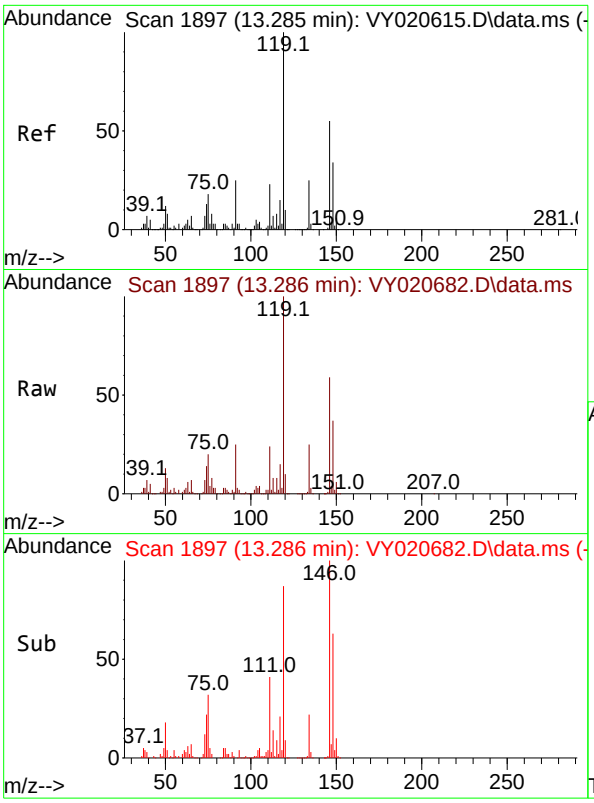


#86
p-Isopropyltoluene
Concen: 47.333 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:119 Resp: 429462

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	24.1	12.1	36.3



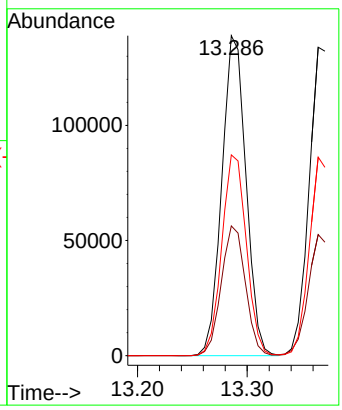


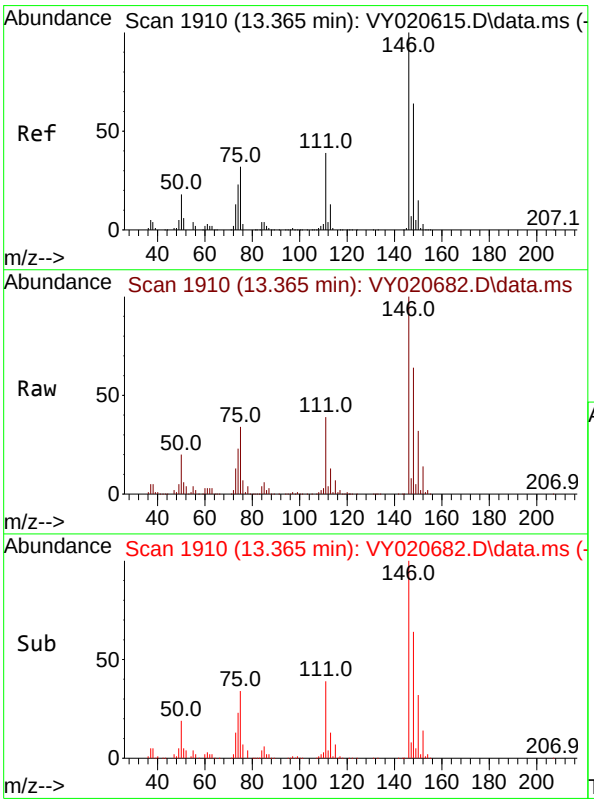
#87
1,3-Dichlorobenzene
Concen: 48.040 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 212764

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.6	61.8
148	63.8	31.4	94.0

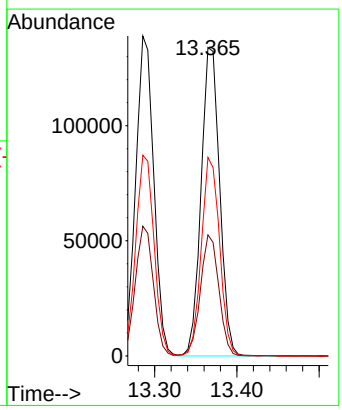


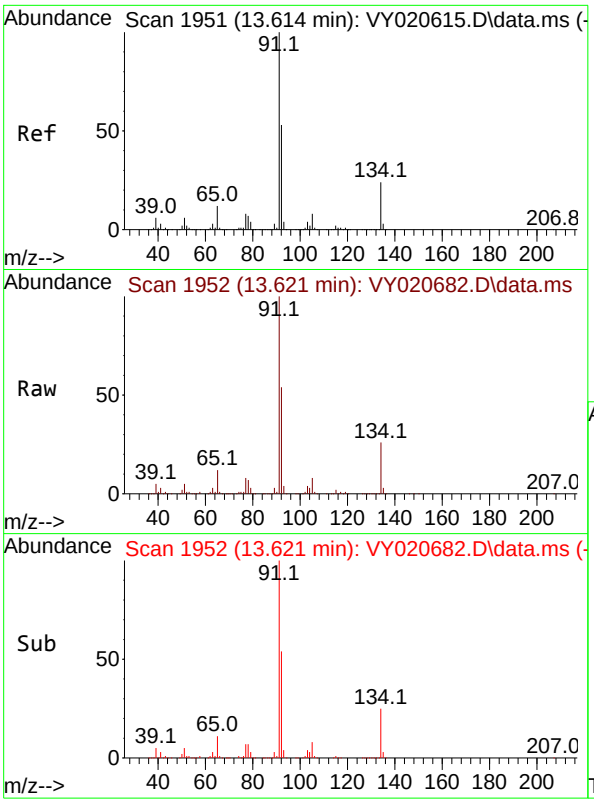


#88
1,4-Dichlorobenzene
Concen: 47.998 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:146 Resp: 210538

Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.6	58.7
148	63.3	31.9	95.5



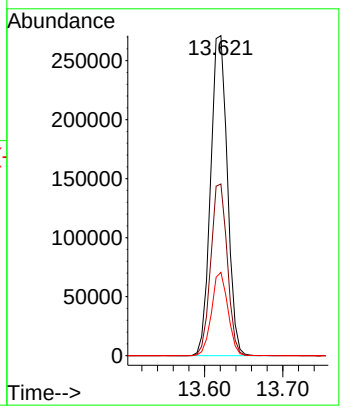


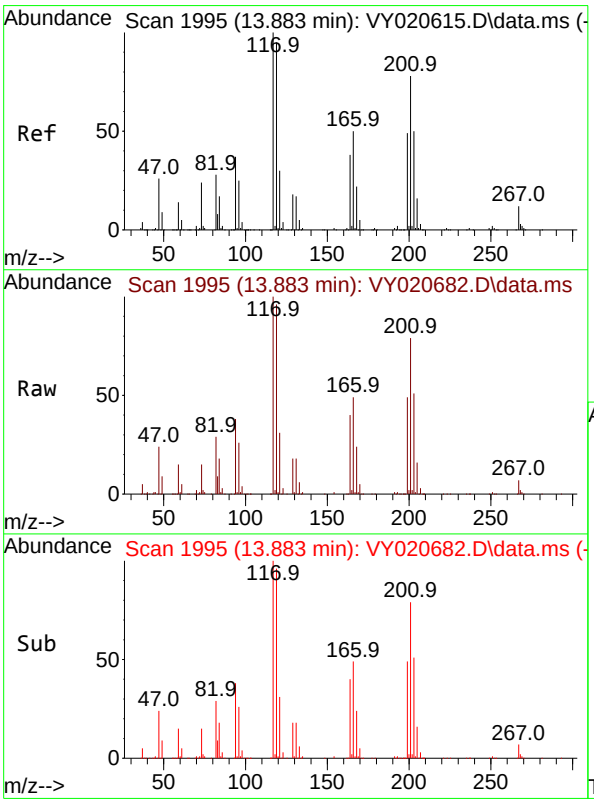
#89
n-Butylbenzene
Concen: 46.895 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 403246

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.8	80.4
134	25.4	12.5	37.5

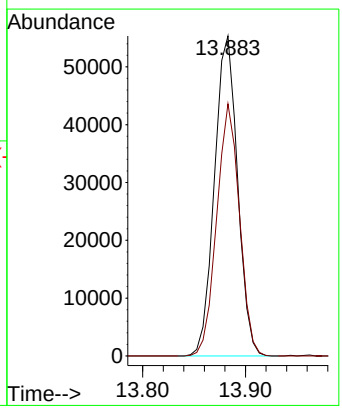


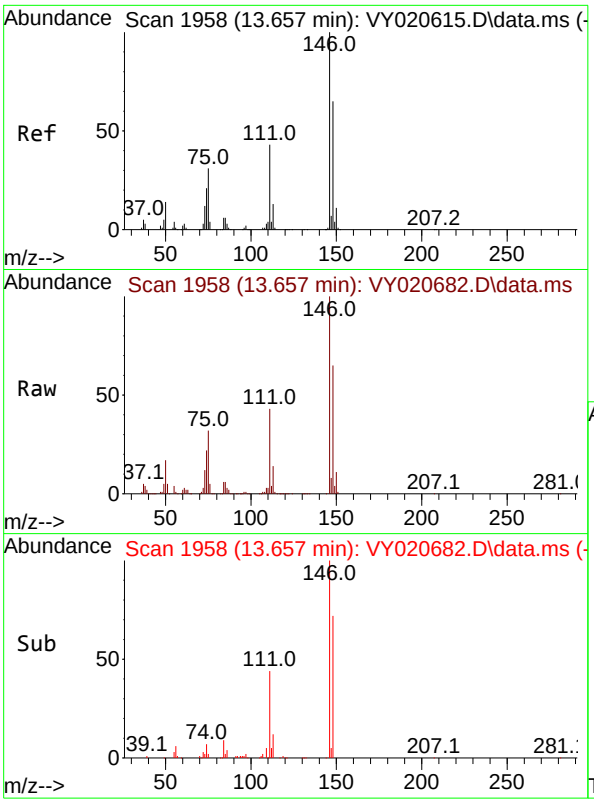


#90
Hexachloroethane
Concen: 47.992 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:117 Resp: 86293

Ion	Ratio	Lower	Upper
117	100		
201	77.5	39.1	117.3



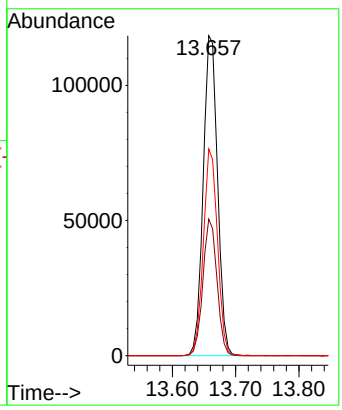


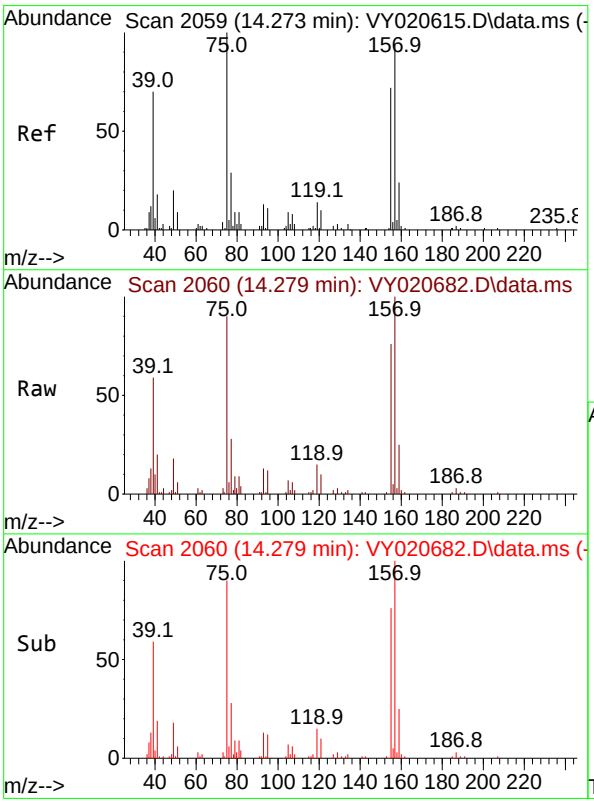
#91
1,2-Dichlorobenzene
Concen: 48.776 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 187168

Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.3	63.7
148	63.6	32.0	96.0

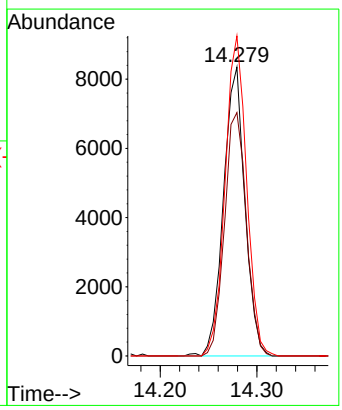


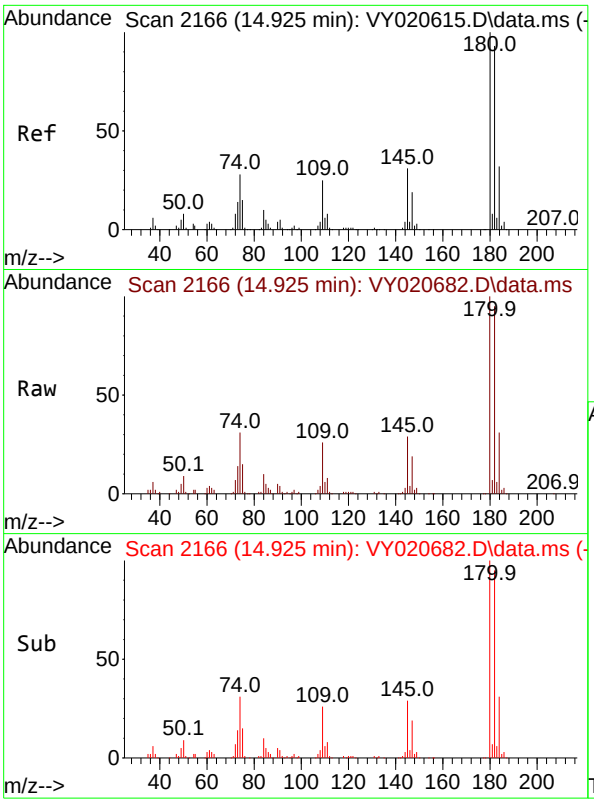


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.271 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion: 75 Resp: 12831

Ion	Ratio	Lower	Upper
75	100		
155	86.1	41.1	123.3
157	111.1	52.9	158.8



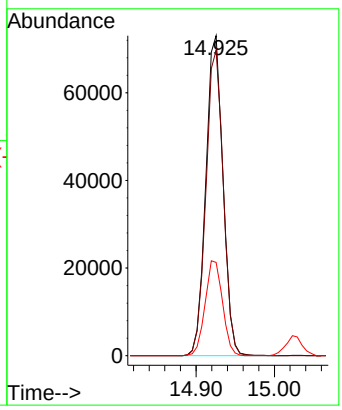


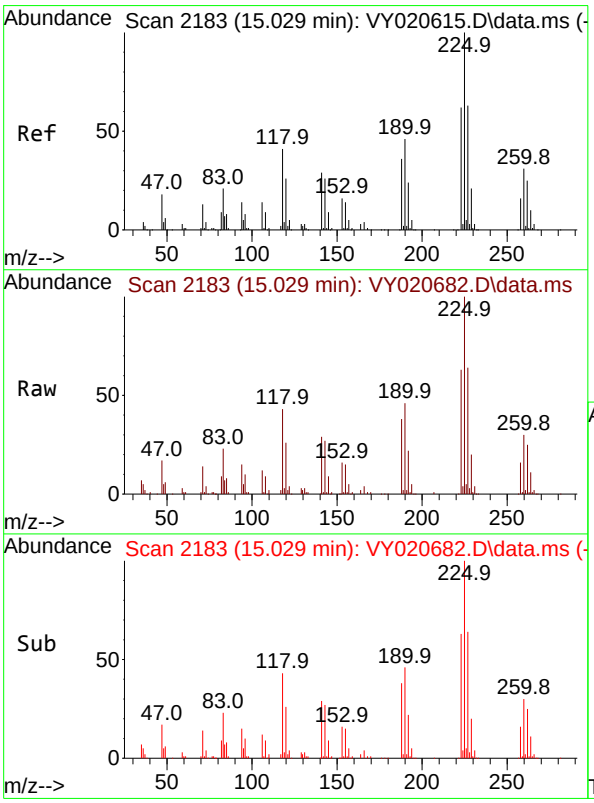
#93
1,2,4-Trichlorobenzene
Concen: 47.858 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 111082

Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.6
145	30.1	15.6	46.7

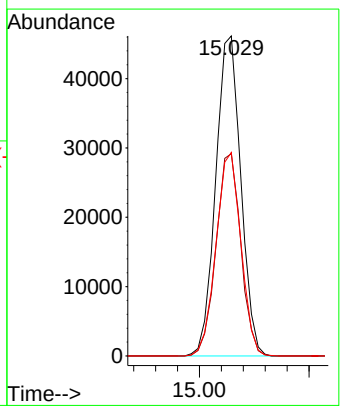


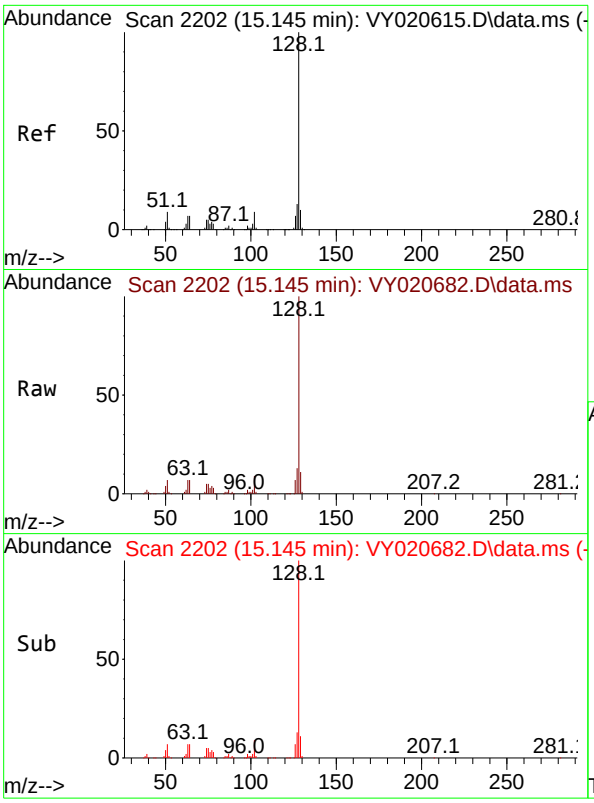


#94
Hexachlorobutadiene
Concen: 48.301 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:225 Resp: 73289

Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.8	95.3
227	63.0	32.2	96.6



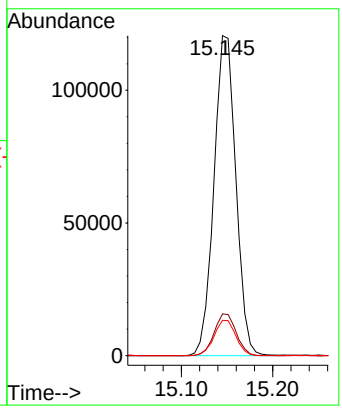


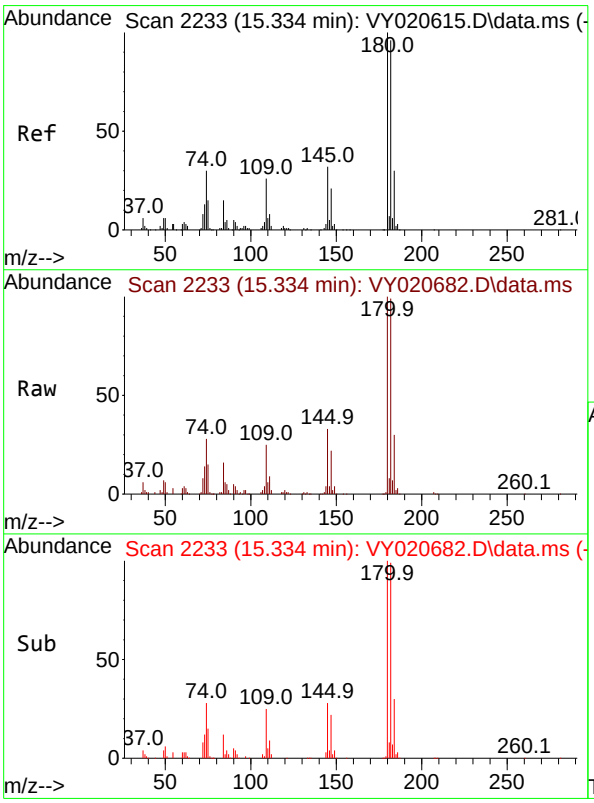
#95
Naphthalene
Concen: 50.583 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 201284

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.7	16.1
129	11.1	8.5	12.7

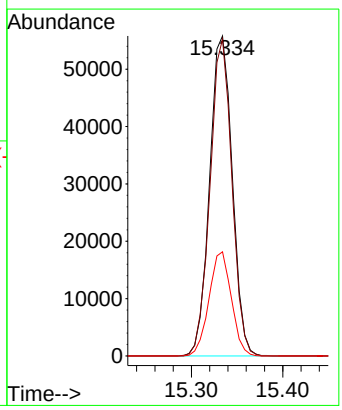




#96
1,2,3-Trichlorobenzene
Concen: 48.917 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY020682.D
Acq: 20 Dec 2024 19:35

Tgt Ion:180 Resp: 95931

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	32.1	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020706.D
Acq On : 26 Dec 2024 09:31
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Dec 26 16:01:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 15:59:15 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.720	168	118156	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.622	114	168634	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.426	117	139342	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	68108	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.073	65	3955	4.087	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	8.180%#			
35) Dibromofluoromethane	7.646	113	3966	4.270	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	8.540%#			
50) Toluene-d8	10.115	98	12366	4.957	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.920%#			
62) 4-Bromofluorobenzene	12.414	95	5109	4.139	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	8.280%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.873	85	4346	4.673	ug/l		85
3) Chloromethane	2.074	50	1604	4.624	ug/l		98
4) Vinyl Chloride	2.214	62	1987	4.624	ug/l		97
5) Bromomethane	2.611	94	1547	4.768	ug/l		81
6) Chloroethane	2.757	64	1195	4.635	ug/l	#	81
7) Trichlorofluoromethane	3.074	101	7688	4.652	ug/l		88
8) Diethyl Ether	3.470	74	1765	4.488	ug/l		83
9) 1,1,2-Trichlorotrifluo...	3.824	101	4090	4.508	ug/l		93
10) Methyl Iodide	4.019	142	4193	4.226	ug/l		99
11) Tert butyl alcohol	4.885	59	1986	13.066	ug/l	#	89
12) 1,1-Dichloroethene	3.818	96	3846	4.763	ug/l	#	80
13) Acrolein	3.678	56	596	29.459	ug/l		93
14) Allyl chloride	4.403	41	4206	4.451	ug/l		99
15) Acrylonitrile	5.074	53	3397	22.361	ug/l	#	89
16) Acetone	3.897	43	2982	24.288	ug/l		95
17) Carbon Disulfide	4.129	76	8806	4.445	ug/l		97
18) Methyl Acetate	4.403	43	1356	4.081	ug/l		99
19) Methyl tert-butyl Ether	5.129	73	10398	4.620	ug/l		97
20) Methylene Chloride	4.629	84	1917	2.403	ug/l		92
21) trans-1,2-Dichloroethene	5.122	96	4008	4.606	ug/l		91
22) Diisopropyl ether	6.031	45	8608	4.481	ug/l	#	86
23) Vinyl Acetate	5.982	43	25395	22.132	ug/l		99
24) 1,1-Dichloroethane	5.927	63	6745	4.683	ug/l		93
25) 2-Butanone	6.909	43	4081	24.607	ug/l		94
26) 2,2-Dichloropropane	6.890	77	8915	5.057	ug/l		94
27) cis-1,2-Dichloroethene	6.915	96	4953	4.753	ug/l		95
28) Bromochloromethane	7.268	49	1572	4.127	ug/l	#	100
29) Tetrahydrofuran	7.281	42	2337	22.956	ug/l		95
30) Chloroform	7.433	83	9912	5.350	ug/l		93
31) Cyclohexane	7.713	56	7429	5.976	ug/l	#	81
32) 1,1,1-Trichloroethane	7.634	97	9621	4.844	ug/l		98
36) 1,1-Dichloropropene	7.848	75	5685	4.633	ug/l		96
37) Ethyl Acetate	7.012	43	1951	4.825	ug/l	#	86
38) Carbon Tetrachloride	7.829	117	9371	4.638	ug/l		97
39) Methylcyclohexane	9.122	83	7196	4.576	ug/l		95
40) Benzene	8.098	78	16340	4.595	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020706.D
Acq On : 26 Dec 2024 09:31
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Dec 26 16:01:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 15:59:15 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	865	4.235	ug/l	#	84
42) 1,2-Dichloroethane	8.171	62	5012	4.396	ug/l		99
43) Isopropyl Acetate	8.201	43	3867	4.500	ug/l		99
44) Trichloroethene	8.872	130	4862	4.578	ug/l		98
45) 1,2-Dichloropropane	9.152	63	3462	4.810	ug/l		94
46) Dibromomethane	9.238	93	2330	4.678	ug/l		96
47) Bromodichloromethane	9.433	83	6469	4.581	ug/l		89
48) Methyl methacrylate	9.238	41	1784	4.445	ug/l		92
49) 1,4-Dioxane	9.250	88	342	72.090	ug/l	#	80
51) 4-Methyl-2-Pentanone	10.006	43	9383	22.620	ug/l		99
52) Toluene	10.182	92	11031	4.526	ug/l		98
53) t-1,3-Dichloropropene	10.402	75	5357	4.320	ug/l		97
54) cis-1,3-Dichloropropene	9.865	75	6091	4.481	ug/l		92
55) 1,1,2-Trichloroethane	10.579	97	3068	4.826	ug/l	#	93
56) Ethyl methacrylate	10.445	69	3250	3.891	ug/l		94
57) 1,3-Dichloropropane	10.725	76	4475	4.337	ug/l		95
58) 2-Chloroethyl Vinyl ether	9.719	63	5665	19.451	ug/l		95
59) 2-Hexanone	10.768	43	5560	20.301	ug/l		95
60) Dibromochloromethane	10.920	129	4656	4.532	ug/l		100
61) 1,2-Dibromoethane	11.024	107	2672	4.467	ug/l		93
64) Tetrachloroethene	10.652	164	4294	4.511	ug/l		92
65) Chlorobenzene	11.451	112	12888	4.724	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.524	131	5080	4.806	ug/l		95
67) Ethyl Benzene	11.524	91	21456	4.499	ug/l		100
68) m/p-Xylenes	11.640	106	16447	9.042	ug/l		99
69) o-Xylene	11.963	106	7691	4.425	ug/l		95
70) Styrene	11.981	104	13353	4.577	ug/l		96
71) Bromoform	12.146	173	2618	4.308	ug/l	#	98
73) Isopropylbenzene	12.261	105	21271	4.508	ug/l		97
74) N-amyl acetate	12.078	43	2662	3.970	ug/l		94
75) 1,1,2,2-Tetrachloroethane	12.511	83	2932	4.847	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	4095	8.425	ug/l	#	100
77) Bromobenzene	12.542	156	5187	4.775	ug/l		95
78) n-propylbenzene	12.603	91	23980	4.534	ug/l		99
79) 2-Chlorotoluene	12.688	91	13687	4.540	ug/l		98
80) 1,3,5-Trimethylbenzene	12.743	105	18014	4.582	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.310	75	1030	4.700	ug/l		94
82) 4-Chlorotoluene	12.786	91	14294	4.588	ug/l		97
83) tert-Butylbenzene	13.005	119	16938	4.613	ug/l		99
84) 1,2,4-Trimethylbenzene	13.054	105	17114	4.473	ug/l		97
85) sec-Butylbenzene	13.182	105	22583	4.564	ug/l		97
86) p-Isopropyltoluene	13.298	119	19901	4.513	ug/l		99
87) 1,3-Dichlorobenzene	13.298	146	9727	4.582	ug/l		95
88) 1,4-Dichlorobenzene	13.377	146	10161	4.811	ug/l		93
89) n-Butylbenzene	13.627	91	16045	4.359	ug/l		98
90) Hexachloroethane	13.883	117	3991	4.760	ug/l		95
91) 1,2-Dichlorobenzene	13.670	146	8154	4.480	ug/l		94
92) 1,2-Dibromo-3-Chloropr...	14.291	75	460	3.921	ug/l		86
93) 1,2,4-Trichlorobenzene	14.932	180	4536	3.920	ug/l		95
94) Hexachlorobutadiene	15.035	225	3664	4.345	ug/l		98
95) Naphthalene	15.157	128	6669	3.599	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	3615	3.753	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020706.D
Acq On : 26 Dec 2024 09:31
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Dec 26 16:01:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 15:59:15 2024
Response via : Initial Calibration

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

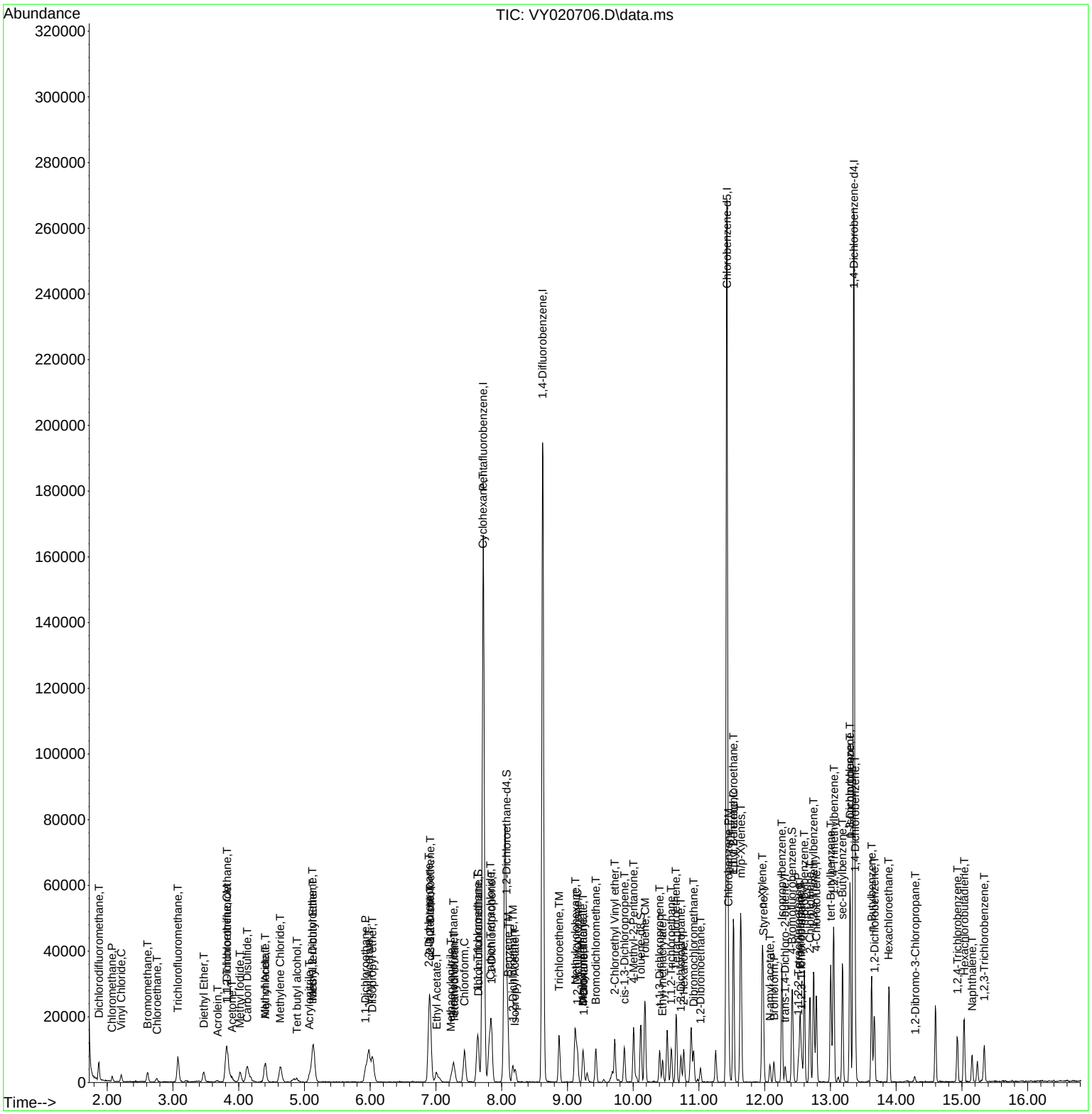
(#) = qualifier out of range (m) = manual integration (+) = signals summed

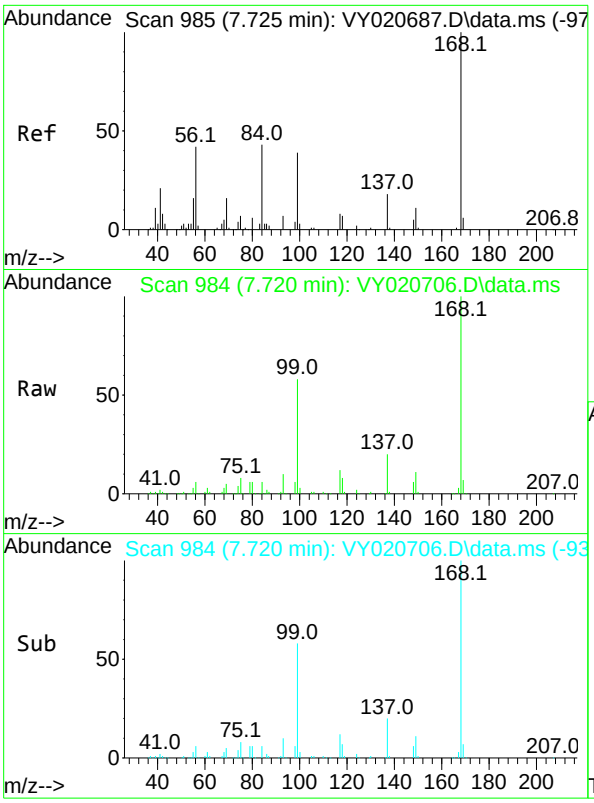
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020706.D
Acq On : 26 Dec 2024 09:31
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Dec 26 16:01:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 15:59:15 2024
Response via : Initial Calibration



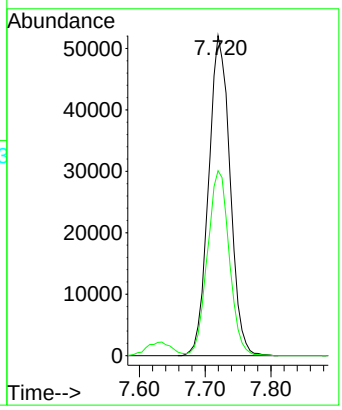


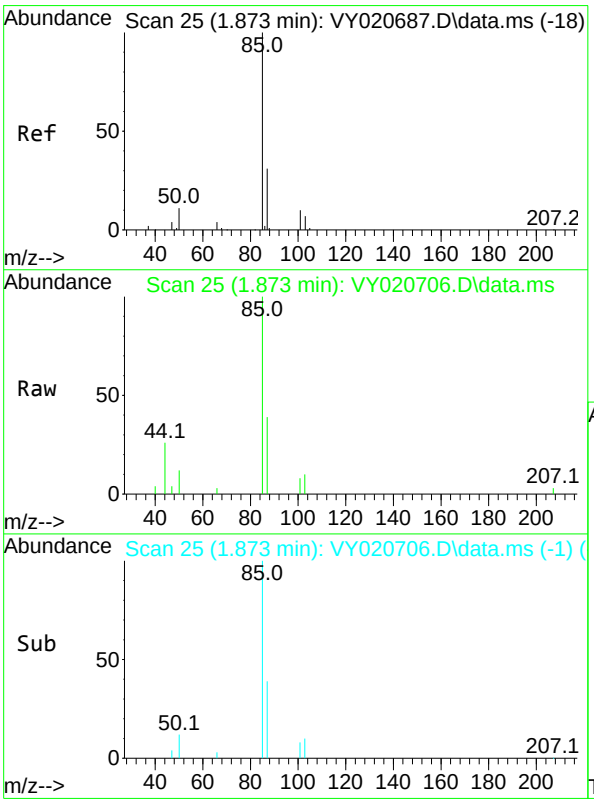
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 9
Delta R.T. -0.005 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 118156

Ion	Ratio	Lower	Upper
168	100		
99	57.8	43.8	65.6

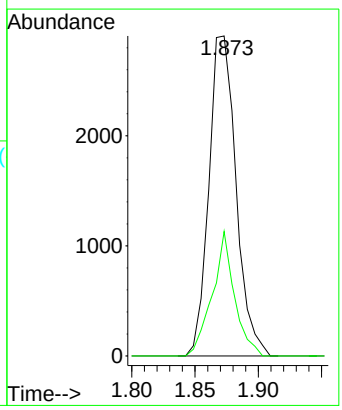


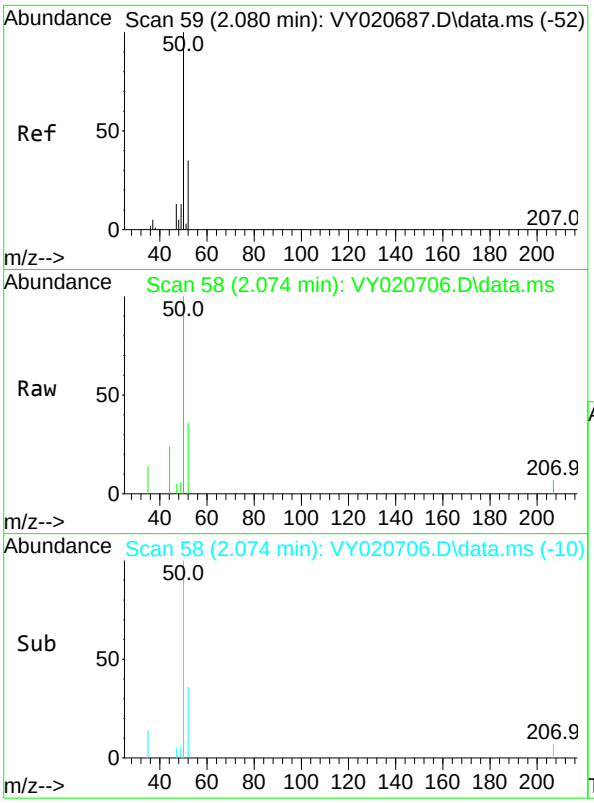


#2
Dichlorodifluoromethane
Concen: 4.673 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 85 Resp: 4346

Ion	Ratio	Lower	Upper
85	100		
87	38.9	15.4	46.4



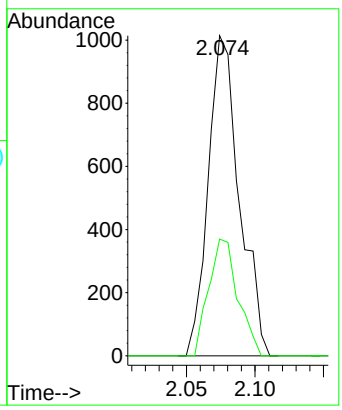


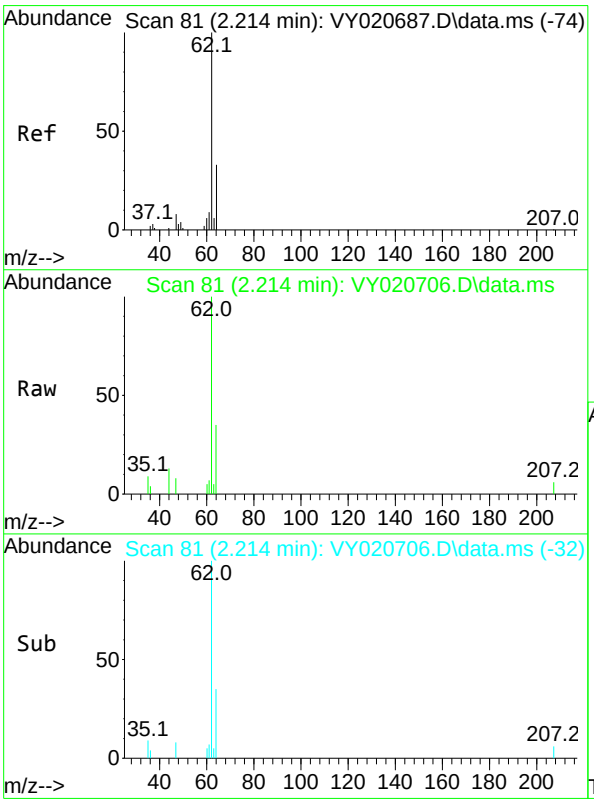
#3
Chloromethane
Concen: 4.624 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 1604

Ion	Ratio	Lower	Upper
50	100		
52	36.5	28.2	42.2

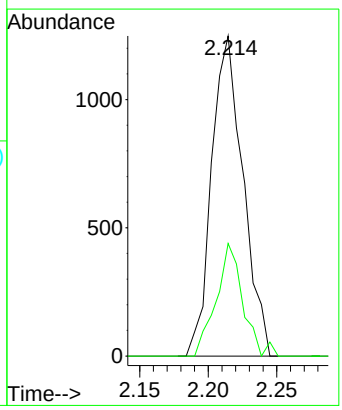


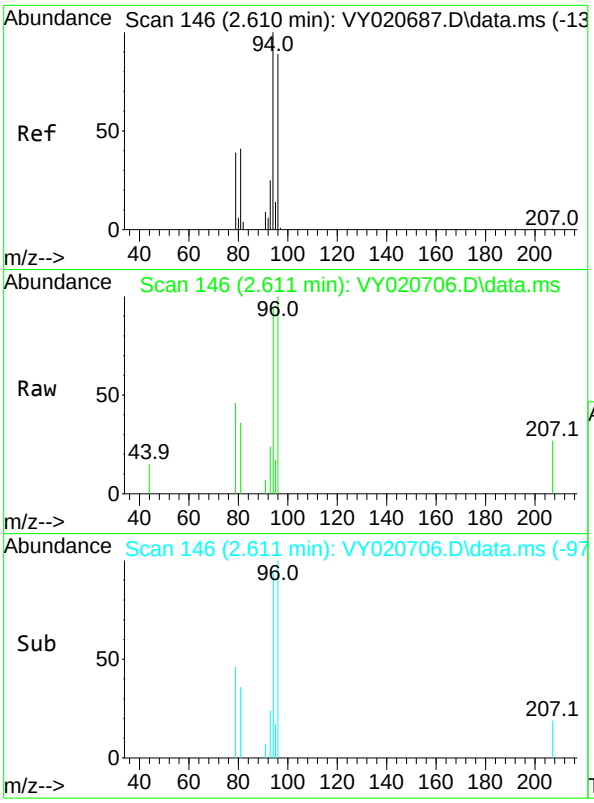


#4
Vinyl Chloride
Concen: 4.624 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 62 Resp: 1987

Ion	Ratio	Lower	Upper
62	100		
64	35.2	26.6	40.0



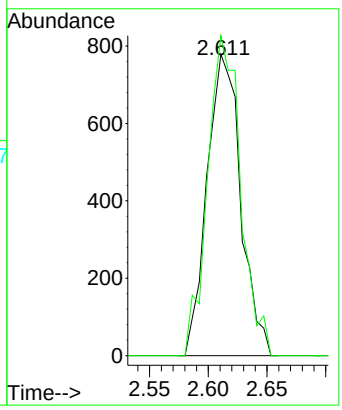


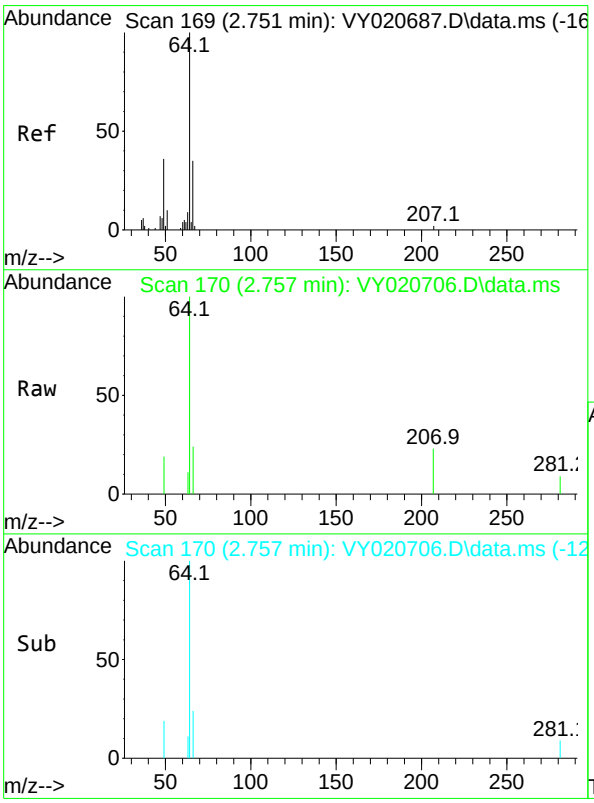
#5
Bromomethane
Concen: 4.768 ug/l
RT: 2.611 min Scan# 14
Delta R.T. 0.001 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 1547

Ion	Ratio	Lower	Upper
94	100		
96	106.2	71.0	106.6

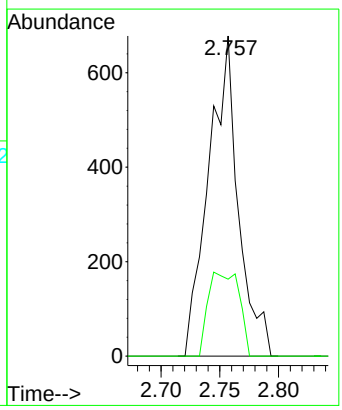


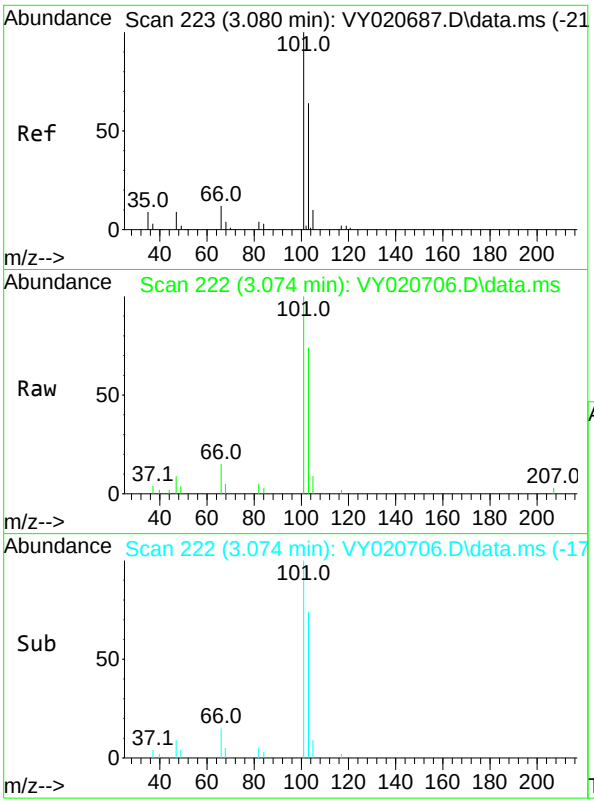


#6
Chloroethane
Concen: 4.635 ug/l
RT: 2.757 min Scan# 170
Delta R.T. 0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 64 Resp: 1195

Ion	Ratio	Lower	Upper
64	100		
66	24.0	27.8	41.8#



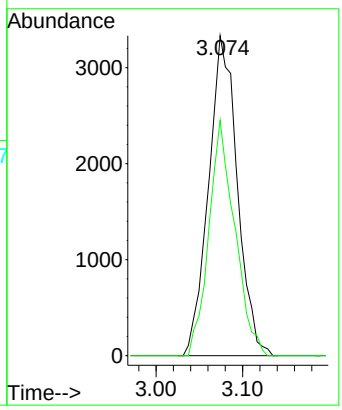


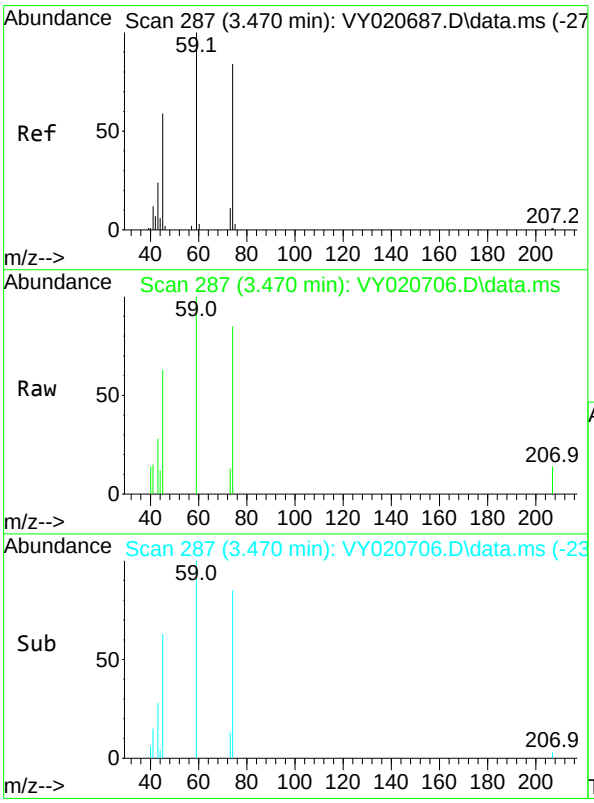
#7
Trichlorofluoromethane
Concen: 4.652 ug/l
RT: 3.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 7688

Ion	Ratio	Lower	Upper
101	100		
103	73.6	51.4	77.0

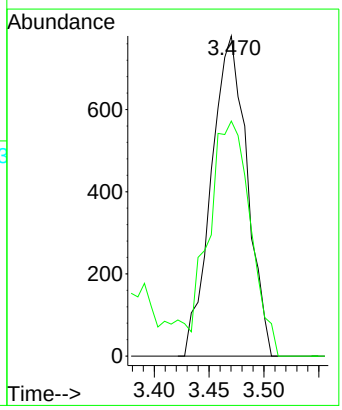


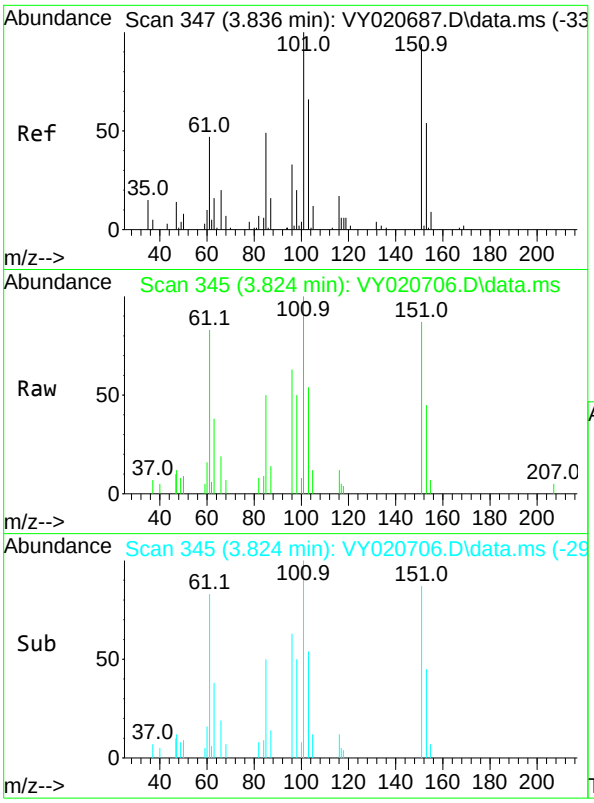


#8
Diethyl Ether
Concen: 4.488 ug/l
RT: 3.470 min Scan# 287
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 74 Resp: 1765

Ion	Ratio	Lower	Upper
74	100		
45	86.1	35.8	107.4



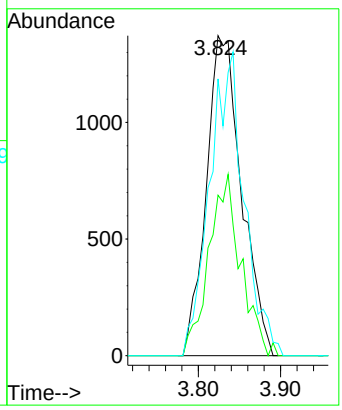


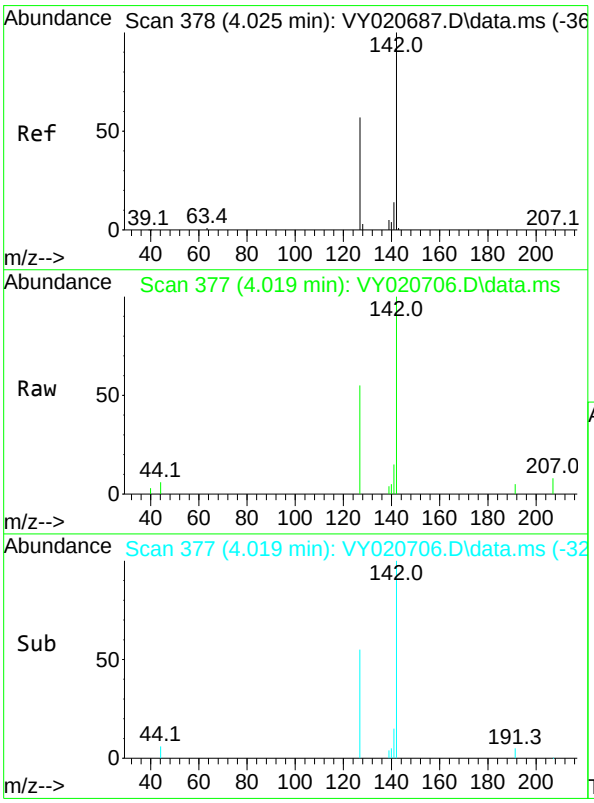
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.508 ug/l
RT: 3.824 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 4090

Ion	Ratio	Lower	Upper
101	100		
85	51.1	38.2	57.2
151	92.5	68.4	102.6

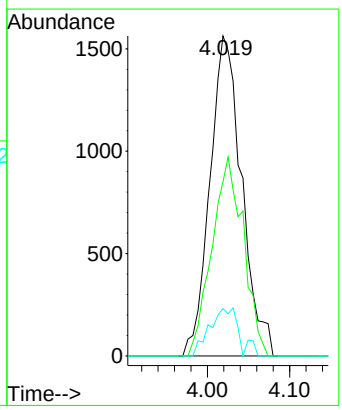


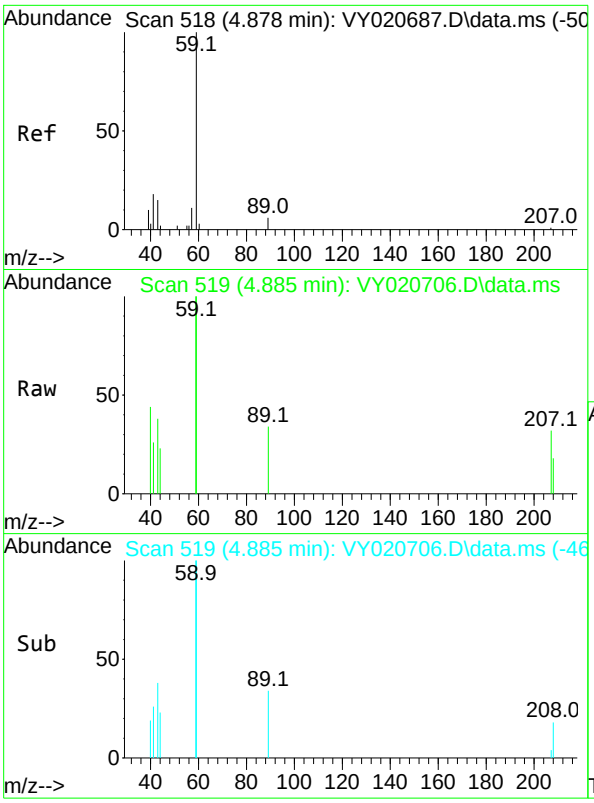


#10
Methyl Iodide
Concen: 4.226 ug/l
RT: 4.019 min Scan# 377
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:142 Resp: 4193

Ion	Ratio	Lower	Upper
142	100		
127	61.6	48.8	73.2
141	13.9	11.9	17.9



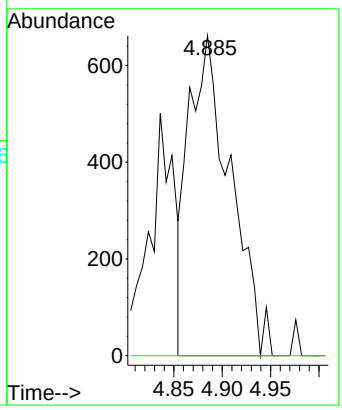


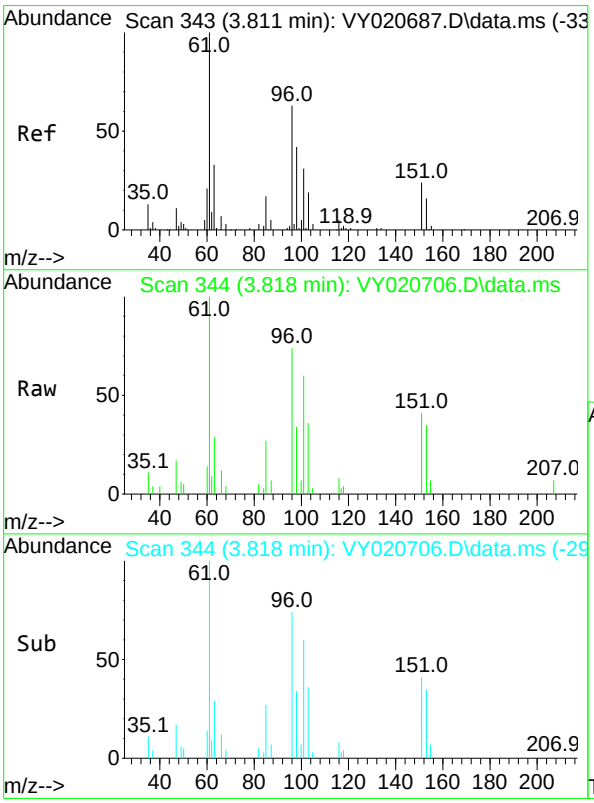
#11
Tert butyl alcohol
Concen: 13.066 ug/l
RT: 4.885 min Scan# 5
Delta R.T. 0.007 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 1986

Ion	Ratio	Lower	Upper
59	100		
57	0.0	2.8	4.2#

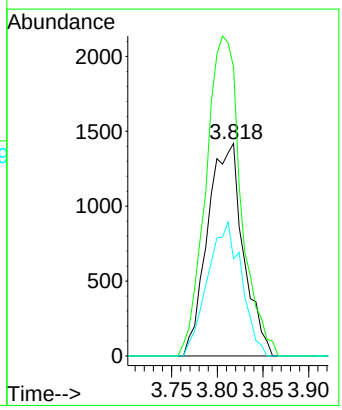


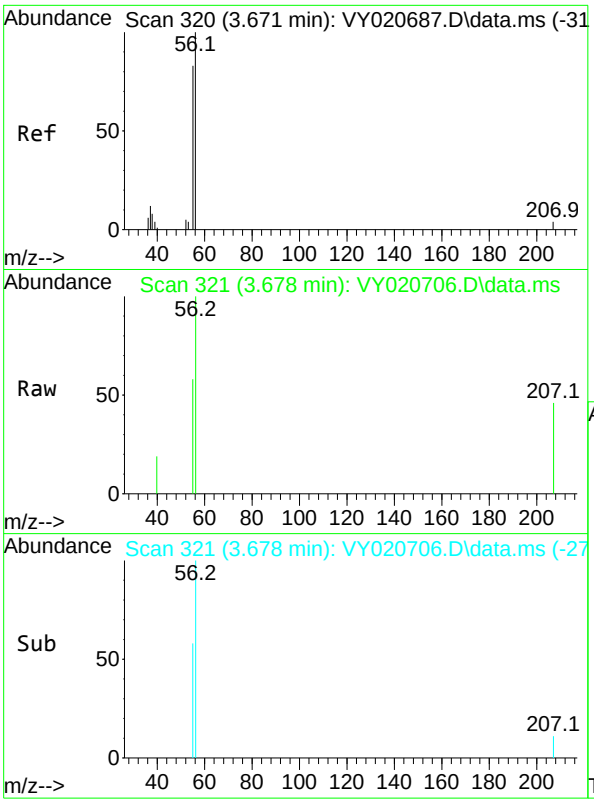


#12
1,1-Dichloroethene
Concen: 4.763 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.007 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 96 Resp: 3846

Ion	Ratio	Lower	Upper
96	100		
61	135.8	127.1	190.7
98	45.7	53.4	80.0#



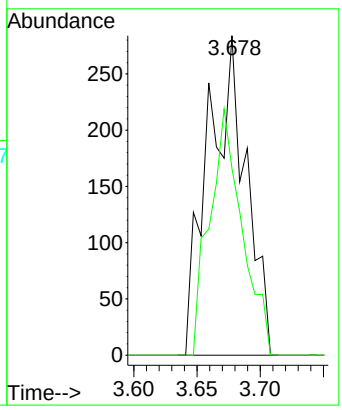


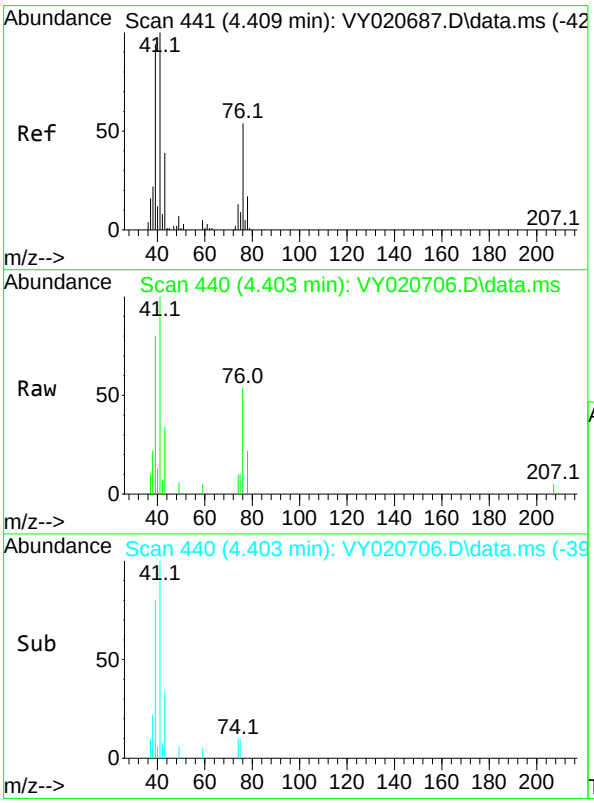
#13
Acrolein
Concen: 29.459 ug/l
RT: 3.678 min Scan# 3
Delta R.T. 0.007 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 596

Ion	Ratio	Lower	Upper
56	100		
55	65.6	57.0	85.4

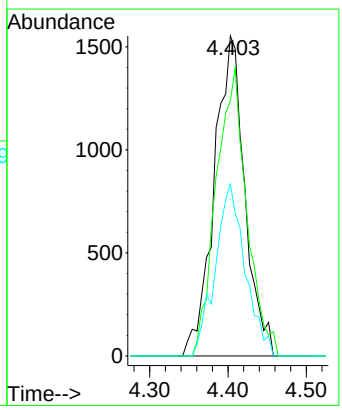


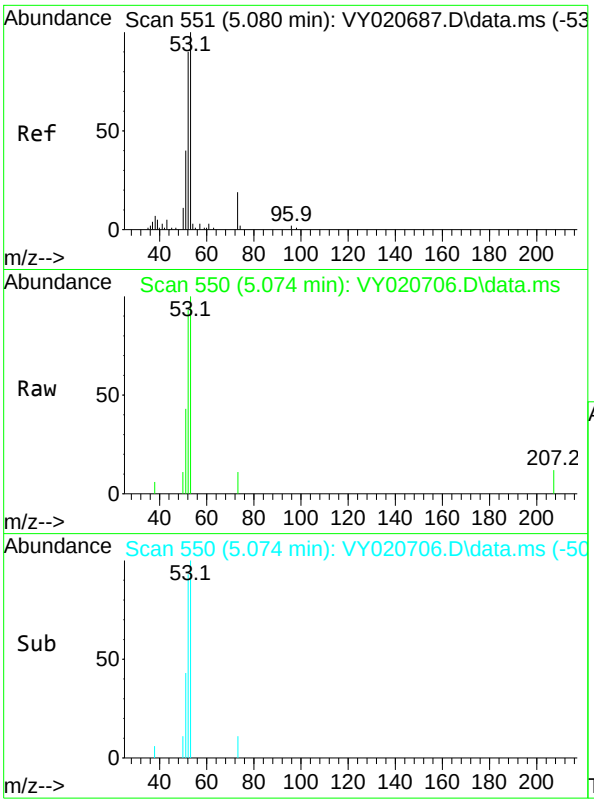


#14
Allyl chloride
Concen: 4.451 ug/l
RT: 4.403 min Scan# 440
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 41 Resp: 4206

Ion	Ratio	Lower	Upper
41	100		
39	90.1	73.5	110.3
76	52.5	41.8	62.8



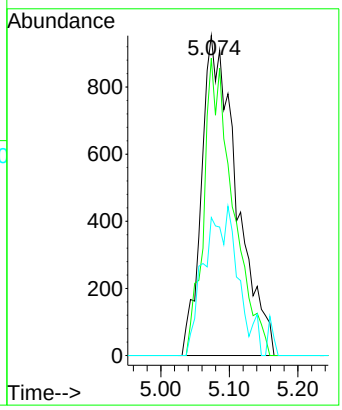


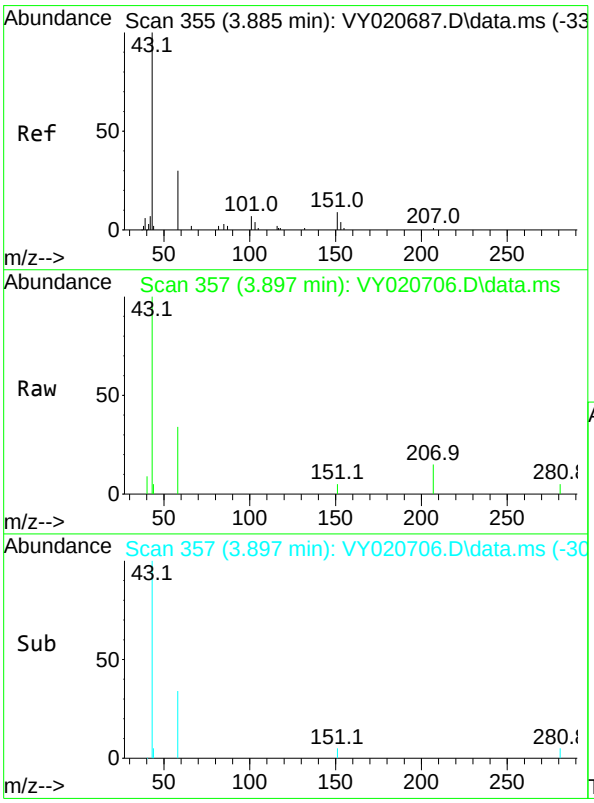
#15
Acrylonitrile
Concen: 22.361 ug/l
RT: 5.074 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 3397

Ion	Ratio	Lower	Upper
53	100		
52	77.8	67.1	100.7
51	26.8	31.4	47.0#

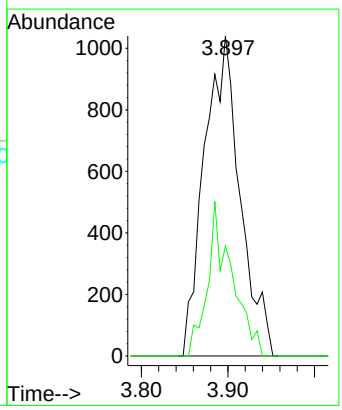


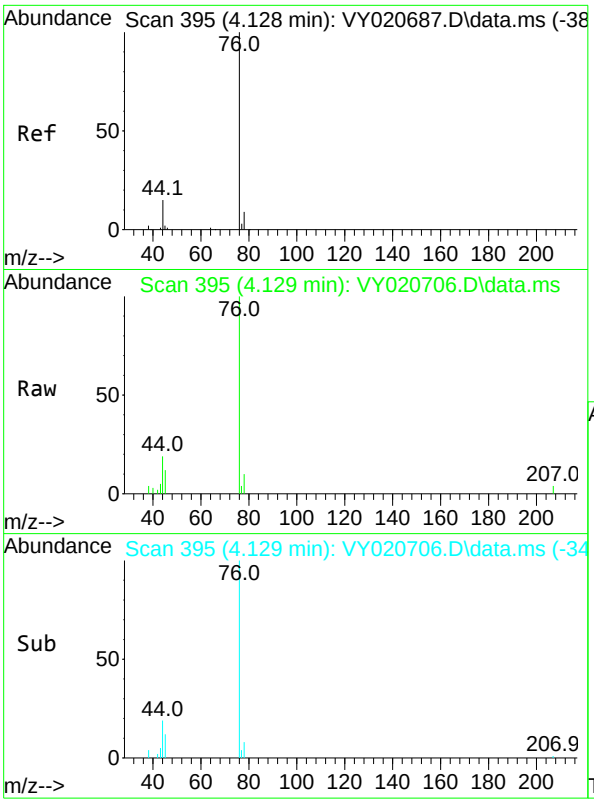


#16
Acetone
Concen: 24.288 ug/l
RT: 3.897 min Scan# 357
Delta R.T. 0.012 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 43 Resp: 2982

Ion	Ratio	Lower	Upper
43	100		
58	34.3	25.0	37.6



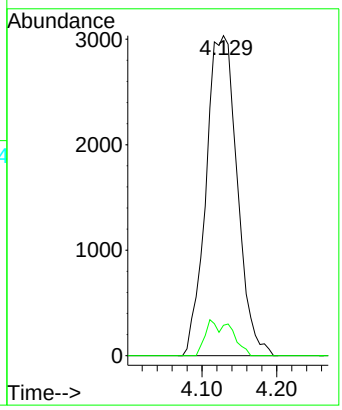


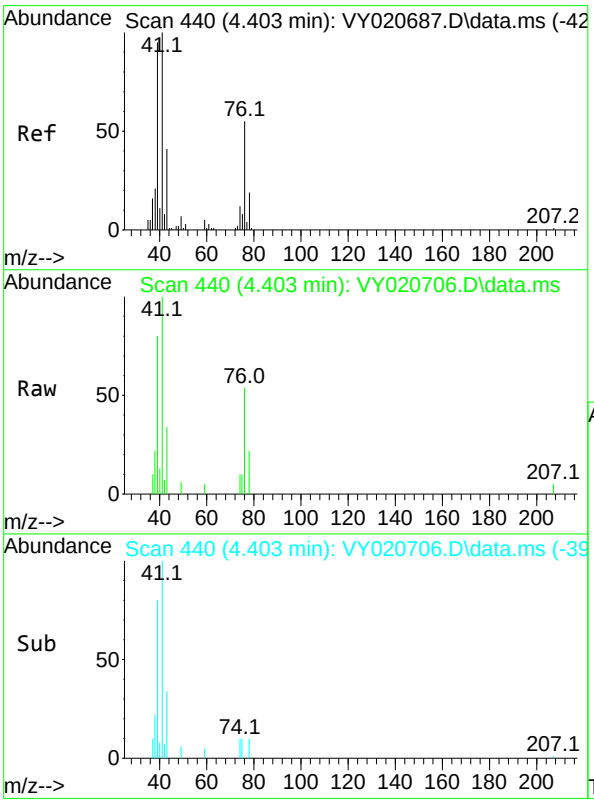
#17
Carbon Disulfide
Concen: 4.445 ug/l
RT: 4.129 min Scan# 3
Delta R.T. 0.001 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 8806

Ion	Ratio	Lower	Upper
76	100		
78	9.5	6.9	10.3

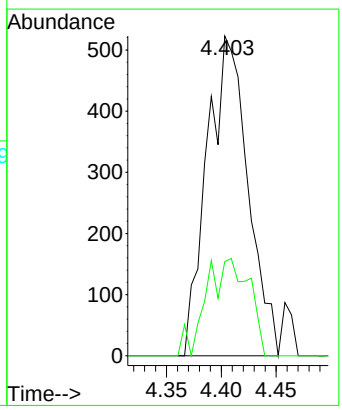


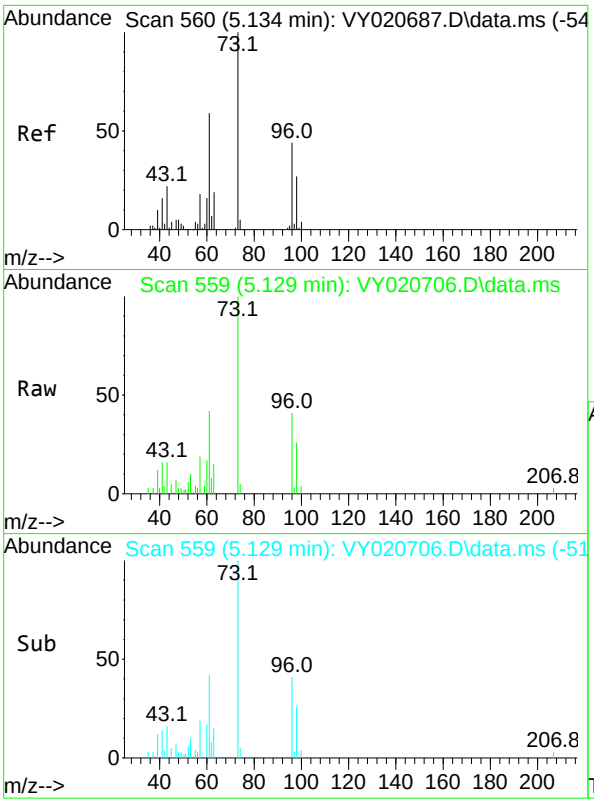


#18
Methyl Acetate
Concen: 4.081 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 43 Resp: 1356

Ion	Ratio	Lower	Upper
43	100		
74	32.0	25.3	37.9



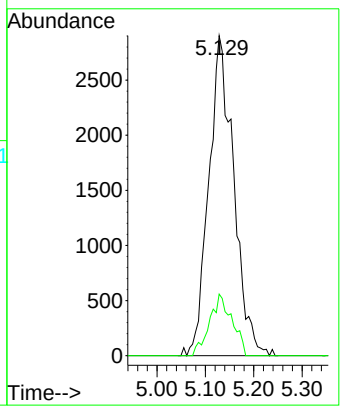


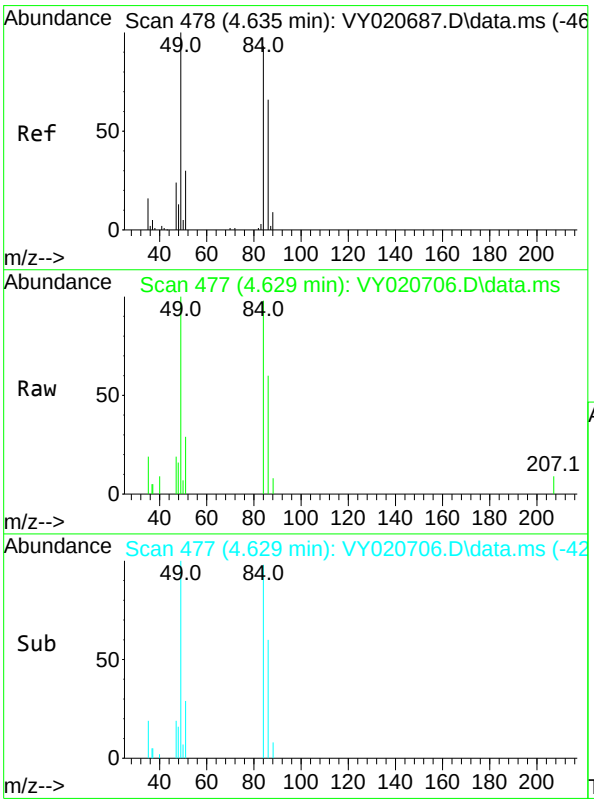
#19
Methyl tert-butyl Ether
Concen: 4.620 ug/l
RT: 5.129 min Scan# 5
Delta R.T. -0.005 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 10398

Ion	Ratio	Lower	Upper
73	100		
57	19.3	14.4	21.6

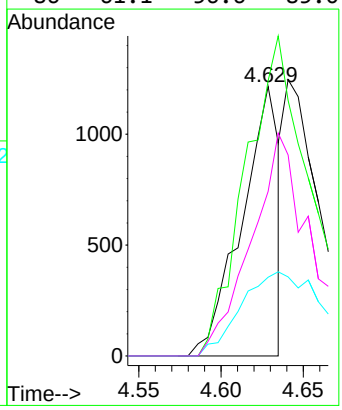


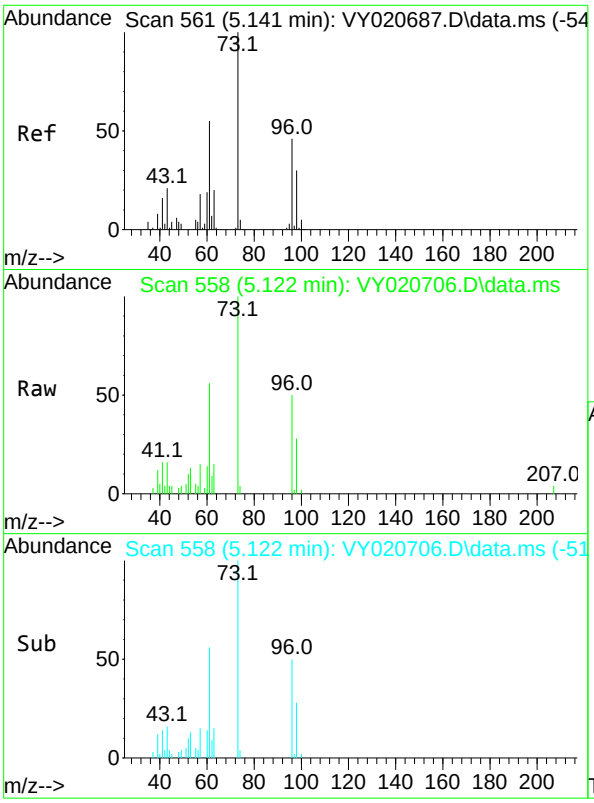


#20
Methylene Chloride
Concen: 2.403 ug/l
RT: 4.629 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 84 Resp: 1917

Ion	Ratio	Lower	Upper
84	100		
49	102.1	86.4	129.6
51	29.2	25.5	38.3
86	61.1	56.6	85.0



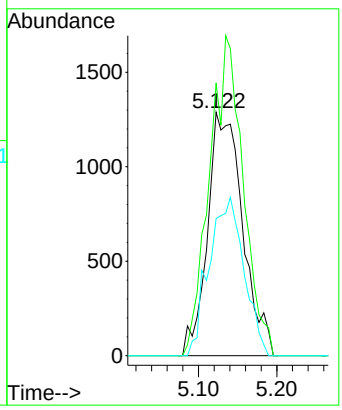


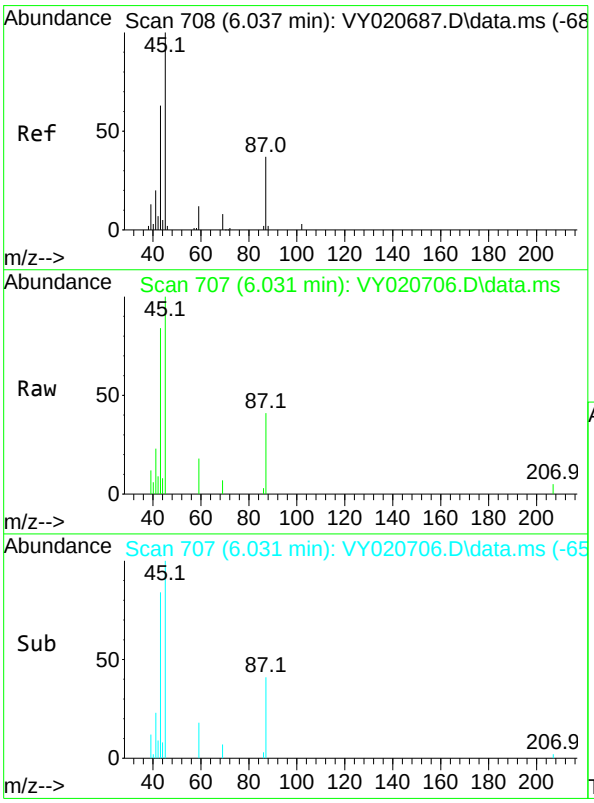
#21
trans-1,2-Dichloroethene
Concen: 4.606 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.019 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 4008

Ion	Ratio	Lower	Upper
96	100		
61	112.0	96.1	144.1
98	56.4	52.7	79.1

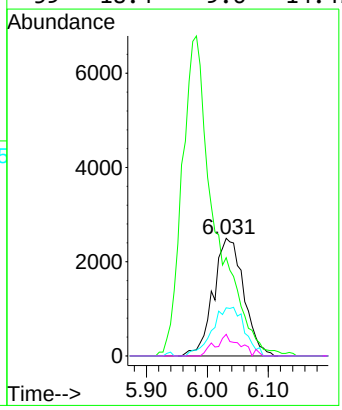


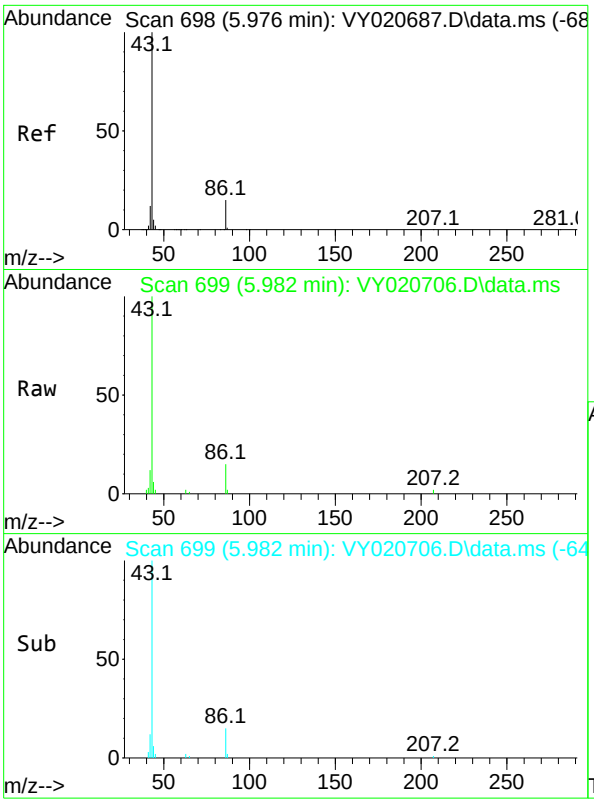


#22
Diisopropyl ether
Concen: 4.481 ug/l
RT: 6.031 min Scan# 707
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 45 Resp: 8608

Ion	Ratio	Lower	Upper
45	100		
43	79.8	51.3	76.9#
87	41.0	30.6	46.0
59	18.4	9.6	14.4#



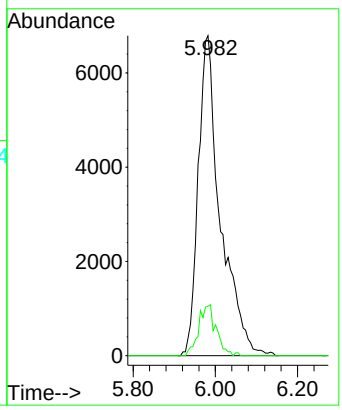


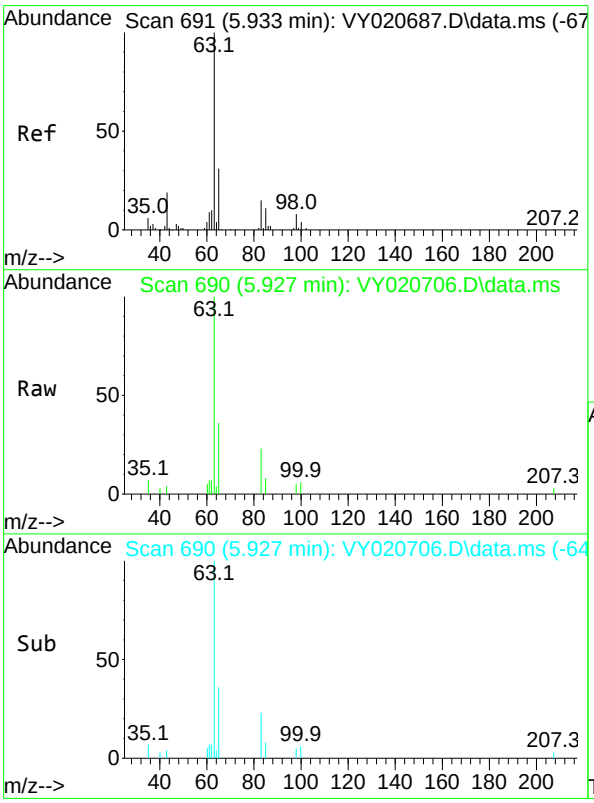
#23
Vinyl Acetate
Concen: 22.132 ug/l
RT: 5.982 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 25395

Ion	Ratio	Lower	Upper
43	100		
86	15.5	12.0	18.0

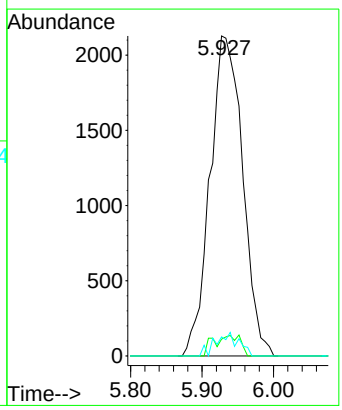


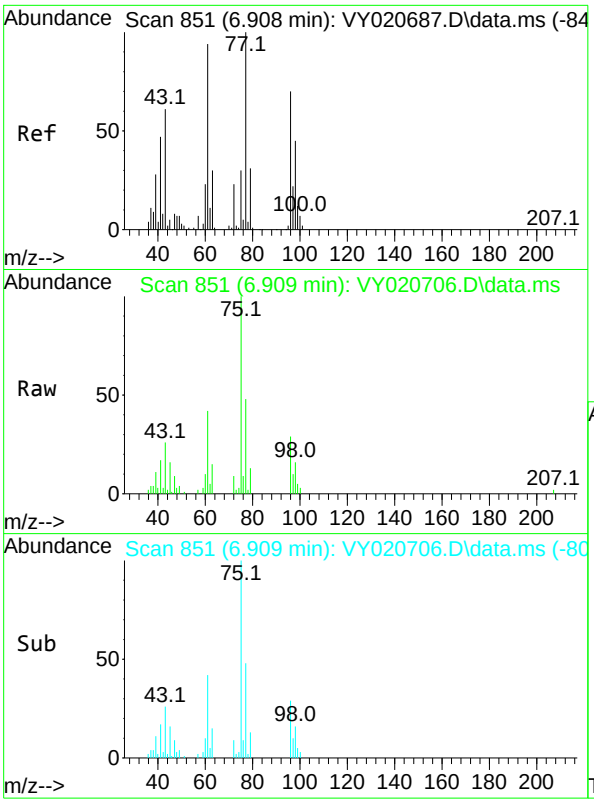


#24
1,1-Dichloroethane
Concen: 4.683 ug/l
RT: 5.927 min Scan# 690
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 63 Resp: 6745

Ion	Ratio	Lower	Upper
63	100		
98	5.3	4.0	12.0
100	6.0	2.1	6.2



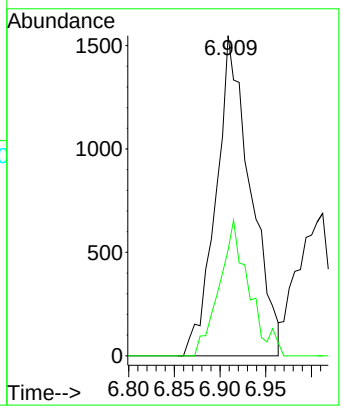


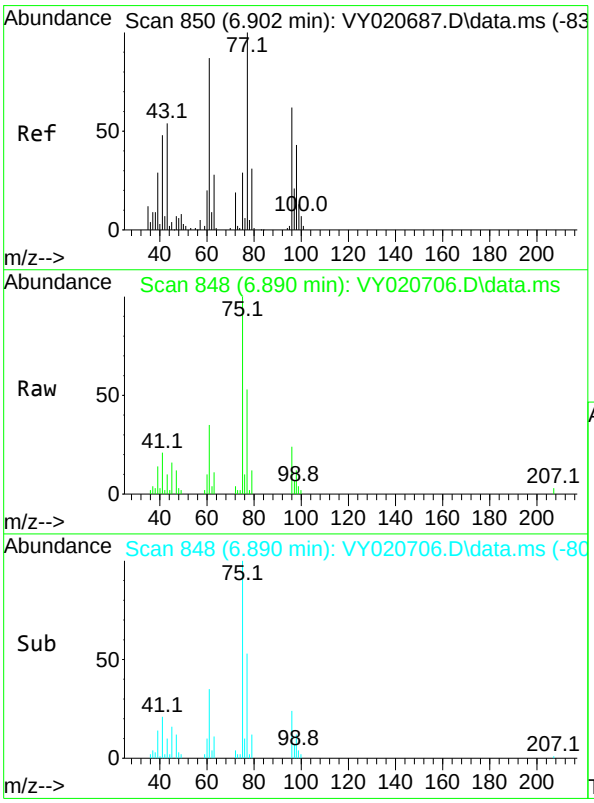
#25
2-Butanone
Concen: 24.607 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.001 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 4081

Ion	Ratio	Lower	Upper
43	100		
72	33.1	29.5	44.3

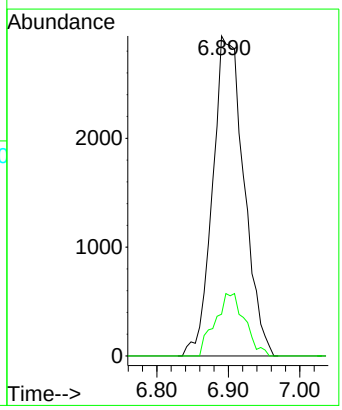


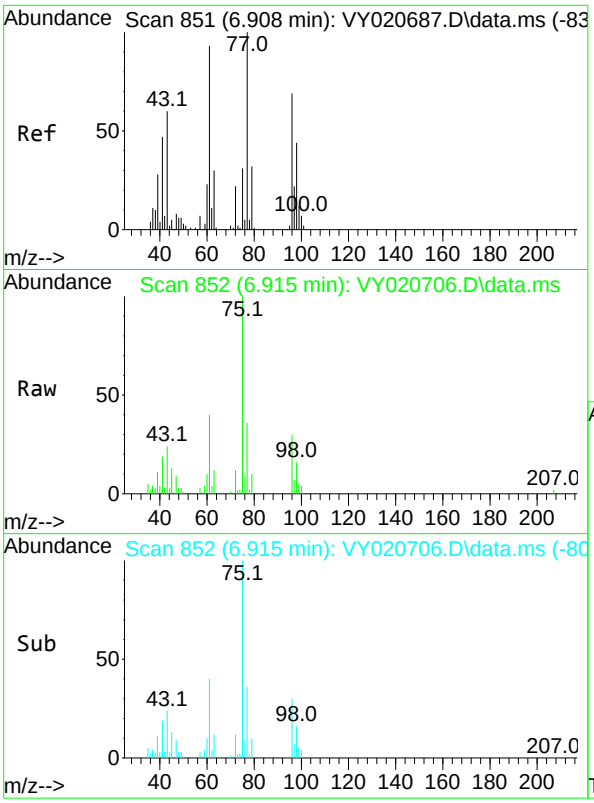


#26
2,2-Dichloropropane
Concen: 5.057 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 77 Resp: 8915

Ion	Ratio	Lower	Upper
77	100		
97	18.6	10.8	32.4



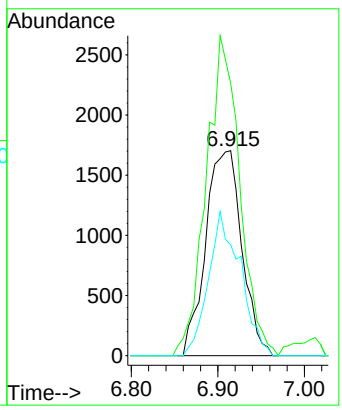


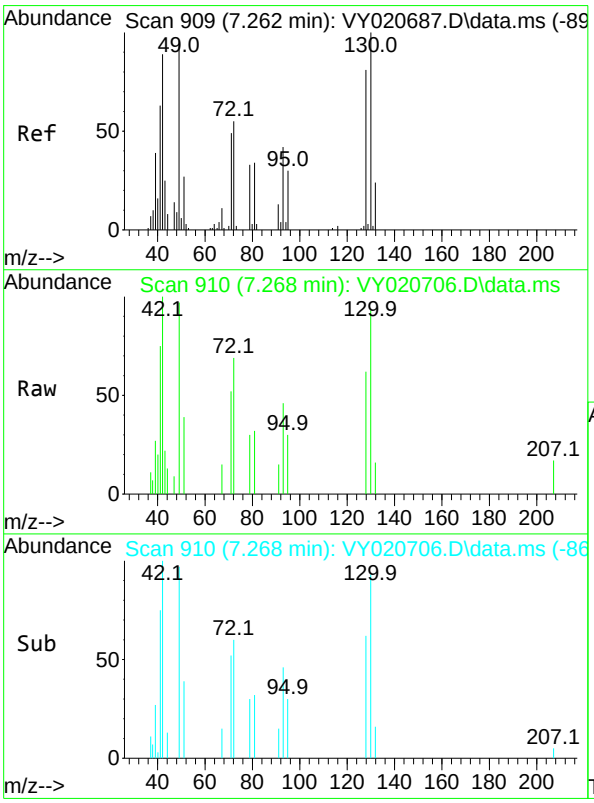
#27
cis-1,2-Dichloroethene
Concen: 4.753 ug/l
RT: 6.915 min Scan# 8
Delta R.T. 0.007 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 4953

Ion	Ratio	Lower	Upper
96	100		
61	144.5	0.0	277.2
98	61.9	0.0	131.0

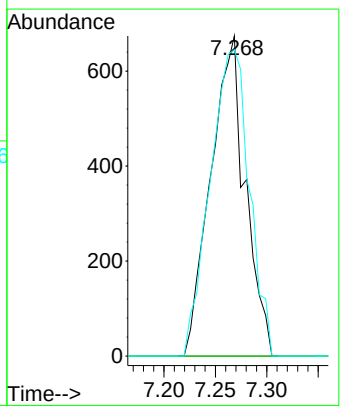


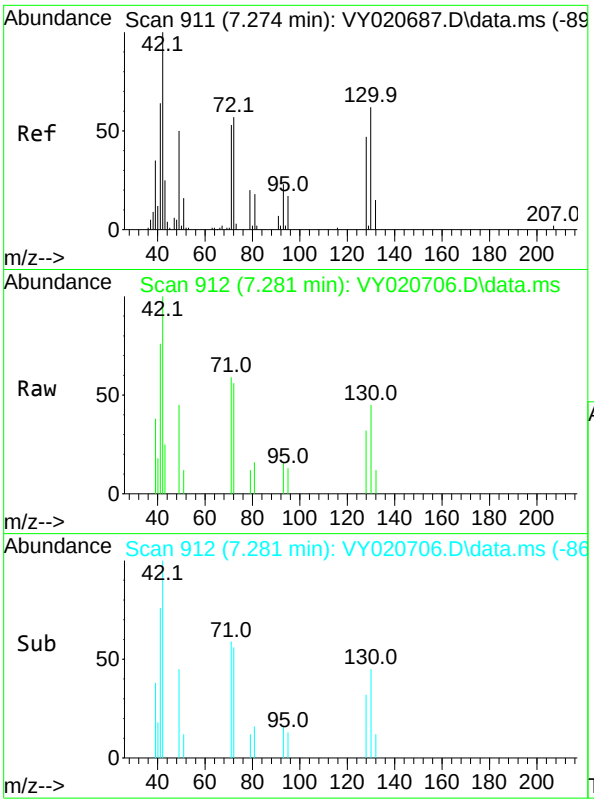


#28
Bromochloromethane
Concen: 4.127 ug/l
RT: 7.268 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 49 Resp: 1572

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.4
130	109.0	87.2	130.8



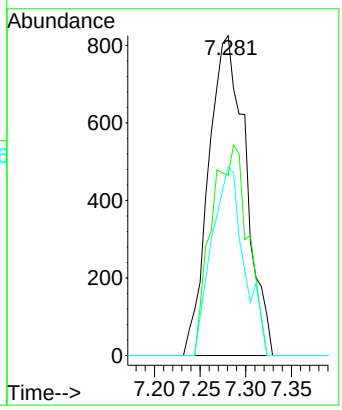


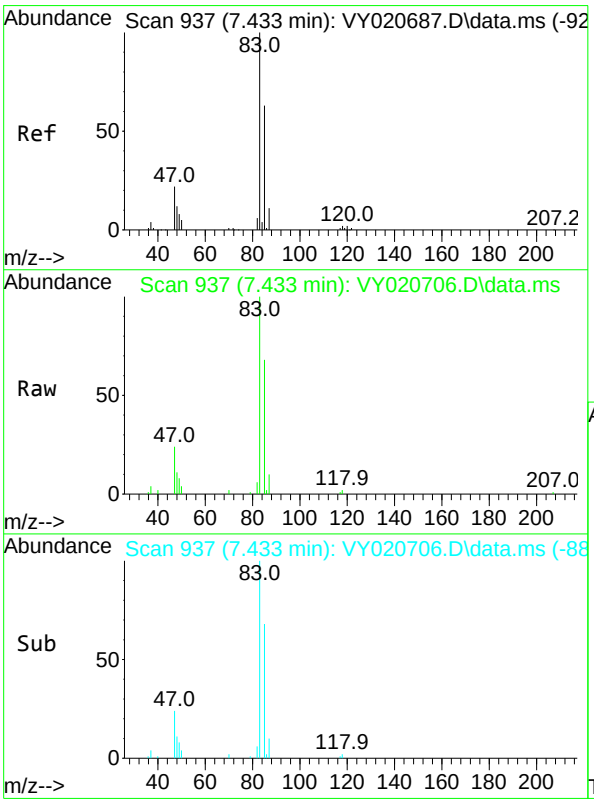
#29
Tetrahydrofuran
Concen: 22.956 ug/l
RT: 7.281 min Scan# 91
Delta R.T. 0.007 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 2337

Ion	Ratio	Lower	Upper
42	100		
72	64.4	47.4	71.0
71	51.5	42.8	64.2

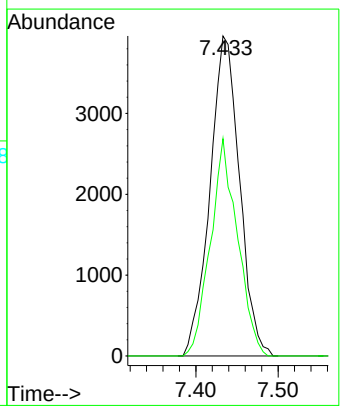


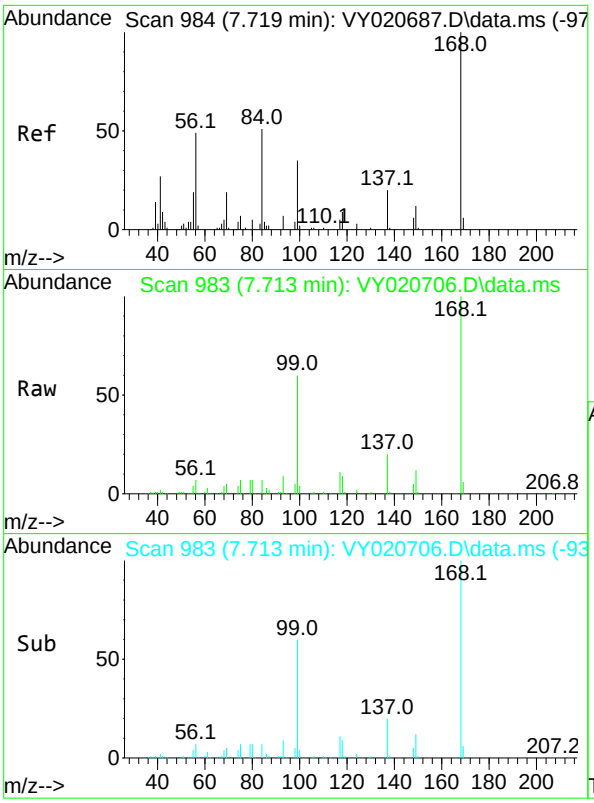


#30
Chloroform
Concen: 5.350 ug/l
RT: 7.433 min Scan# 937
Delta R.T. -0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 83 Resp: 9912

Ion	Ratio	Lower	Upper
83	100		
85	67.9	50.2	75.2



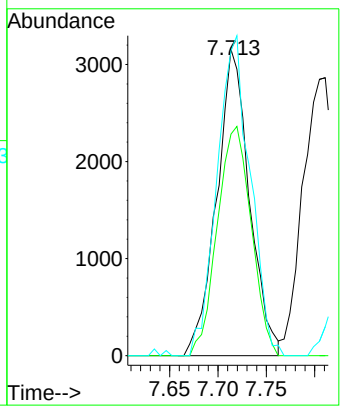


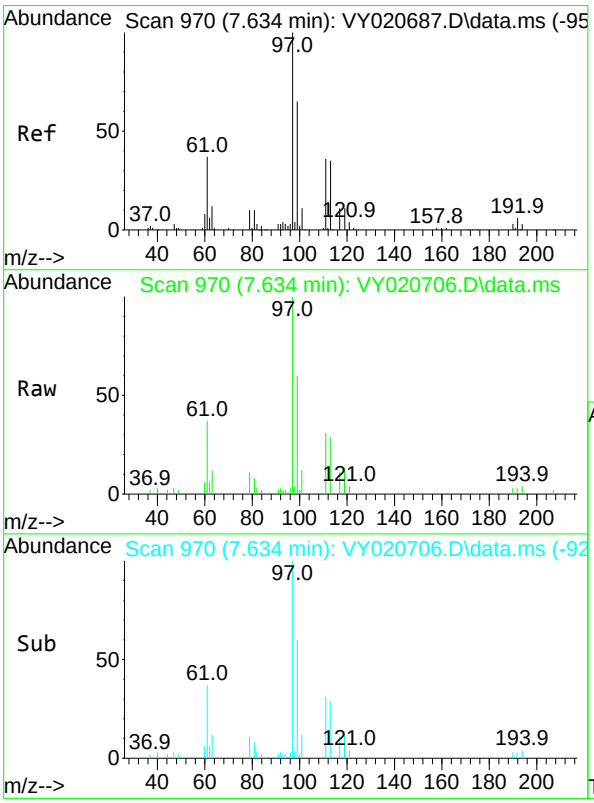
#31
Cyclohexane
Concen: 5.976 ug/l
RT: 7.713 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 7429

Ion	Ratio	Lower	Upper
56	100		
69	72.4	31.3	46.9#
84	99.5	83.9	125.9

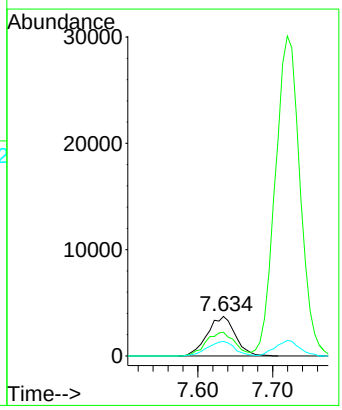


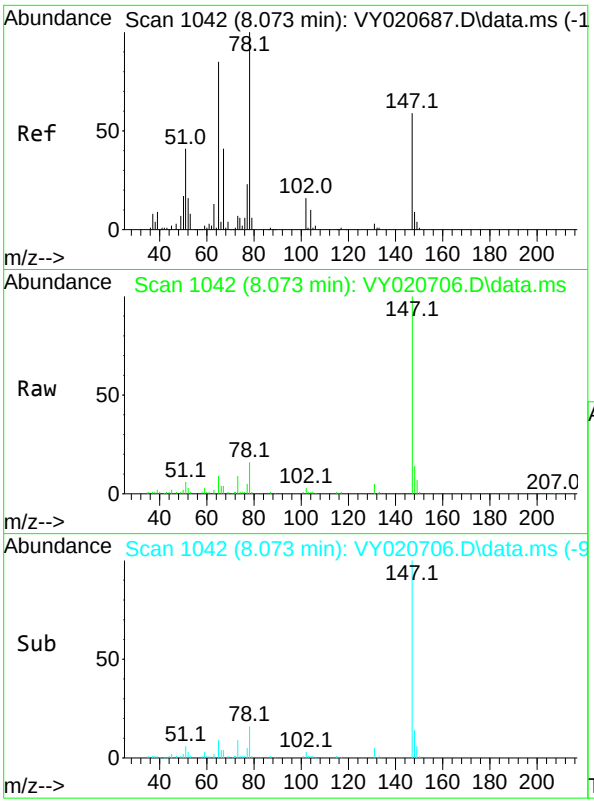


#32
1,1,1-Trichloroethane
Concen: 4.844 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 97 Resp: 9621

Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.0	76.6
61	36.3	30.0	45.0



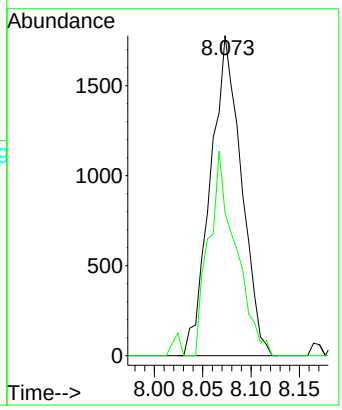


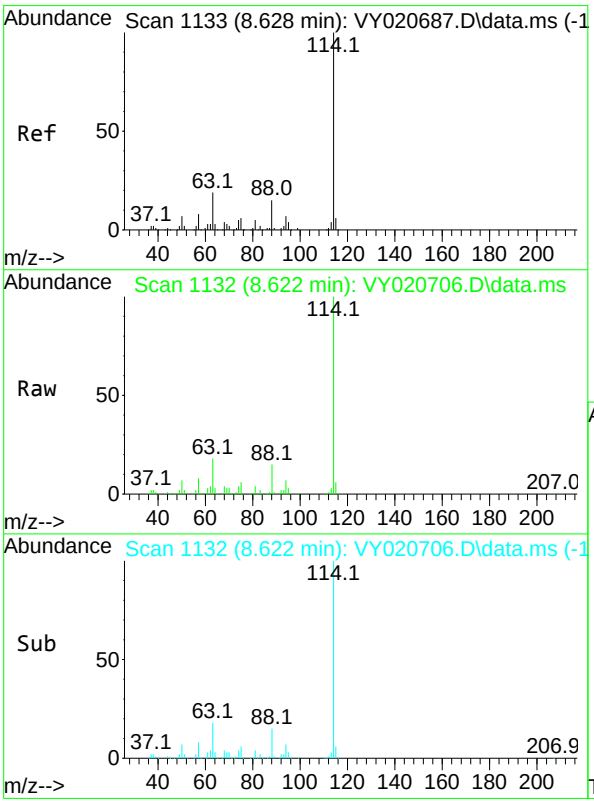
#33
1,2-Dichloroethane-d4
Concen: 4.087 ug/l
RT: 8.073 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 3955

Ion	Ratio	Lower	Upper
65	100		
67	55.7	0.0	98.0

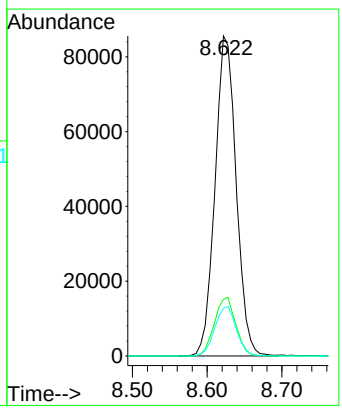


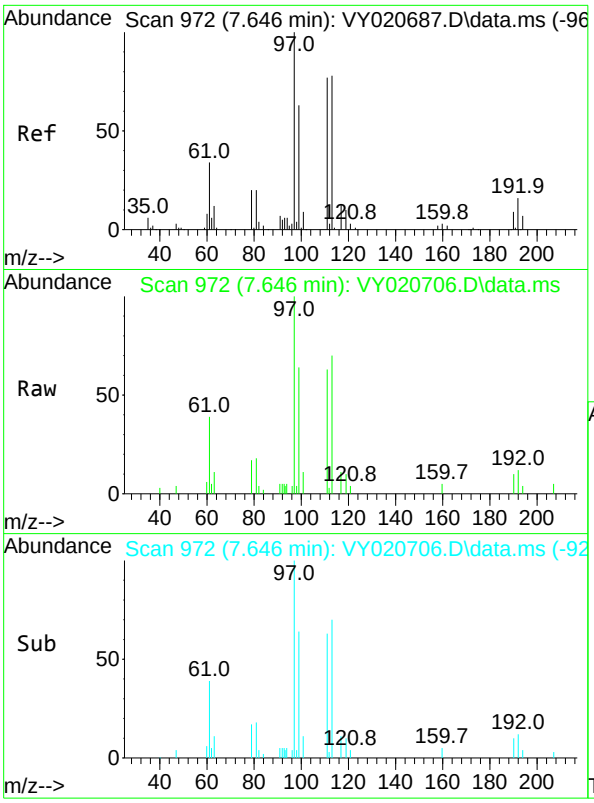


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:114 Resp: 168634

Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	38.4
88	14.8	0.0	30.4



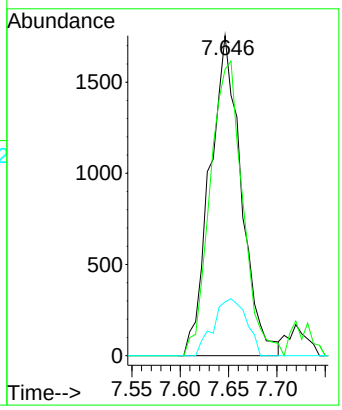


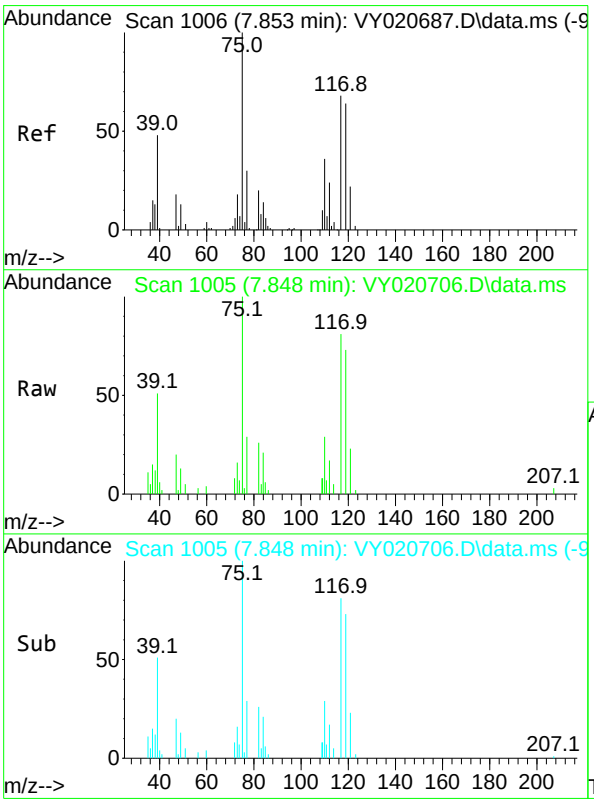
#35
Dibromofluoromethane
Concen: 4.270 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 3966

Ion	Ratio	Lower	Upper
113	100		
111	95.0	79.8	119.8
192	18.7	17.0	25.6

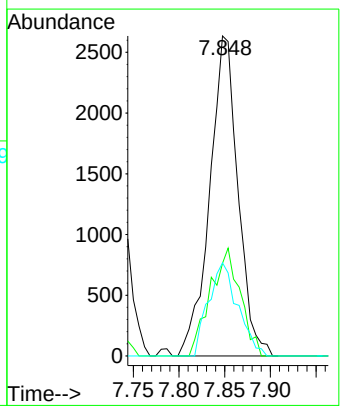


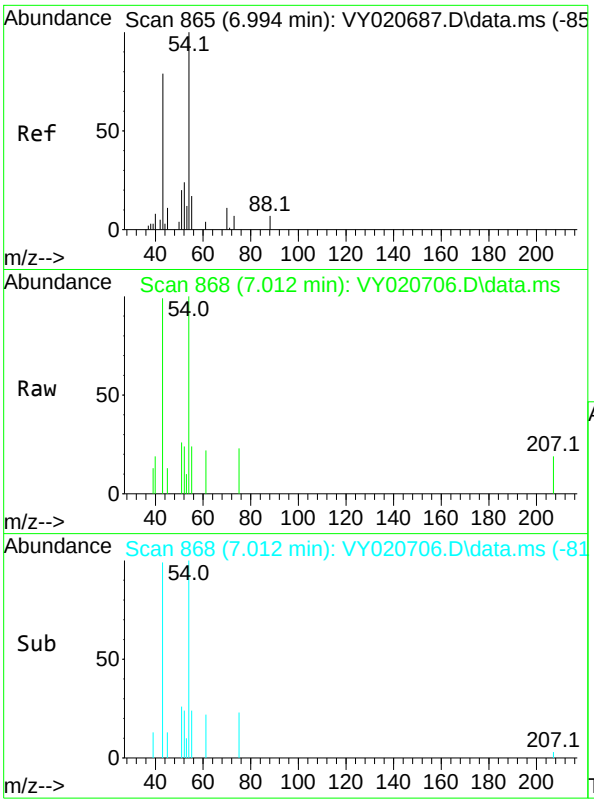


#36
1,1-Dichloropropene
Concen: 4.633 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. -0.005 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 75 Resp: 5685

Ion	Ratio	Lower	Upper
75	100		
110	35.6	19.6	58.7
77	30.2	25.1	37.7



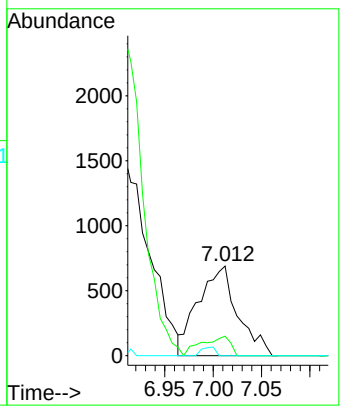


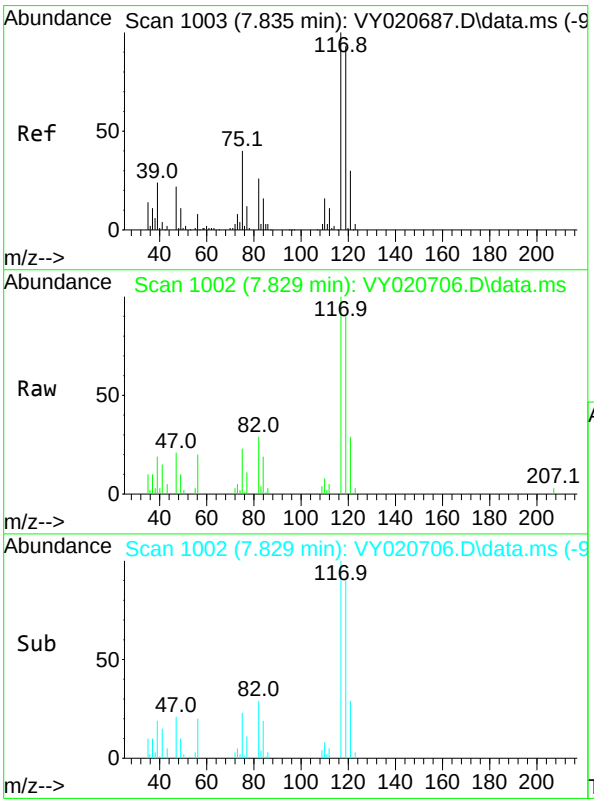
#37
Ethyl Acetate
Concen: 4.825 ug/l
RT: 7.012 min Scan# 8
Delta R.T. 0.018 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 1951

Ion	Ratio	Lower	Upper
43	100		
61	15.8	11.7	17.5
70	3.3	11.0	16.4#

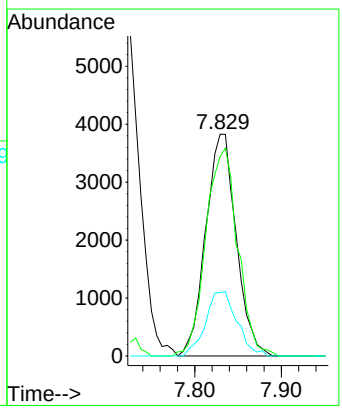


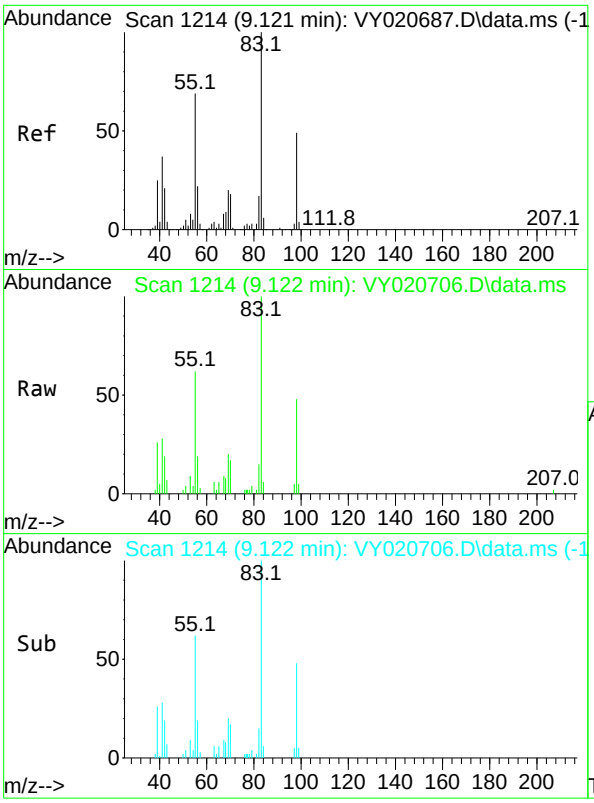


#38
Carbon Tetrachloride
Concen: 4.638 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:117 Resp: 9371

Ion	Ratio	Lower	Upper
117	100		
119	89.9	74.4	111.6
121	28.6	24.2	36.2



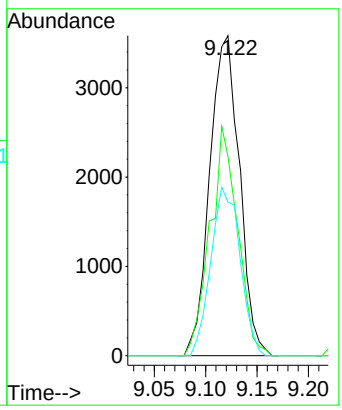


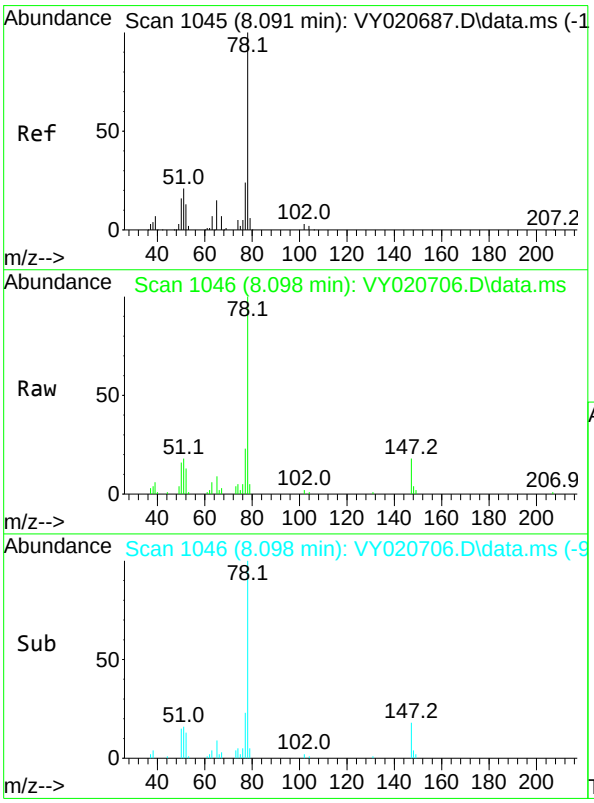
#39
Methylcyclohexane
Concen: 4.576 ug/l
RT: 9.122 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 7196

Ion	Ratio	Lower	Upper
83	100		
55	62.3	55.0	82.4
98	48.0	39.0	58.6

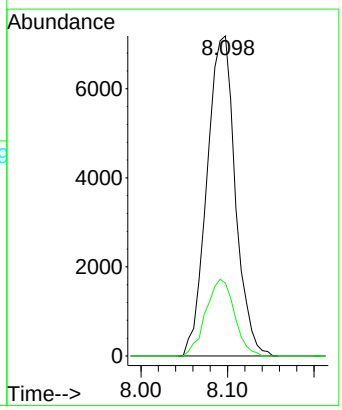


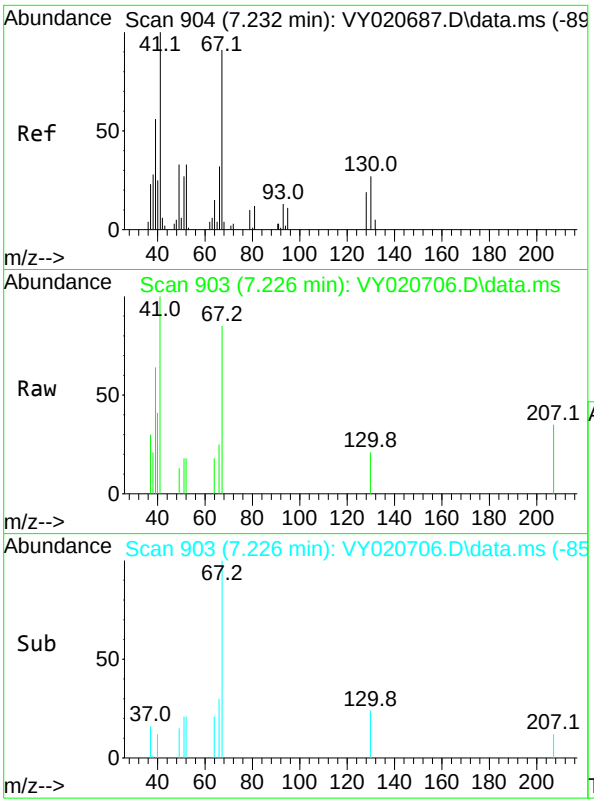


#40
Benzene
Concen: 4.595 ug/l
RT: 8.098 min Scan# 1046
Delta R.T. 0.007 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 78 Resp: 16340

Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.2	28.8



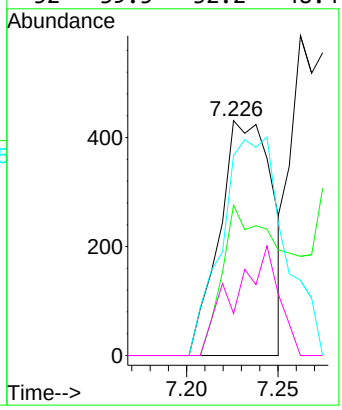


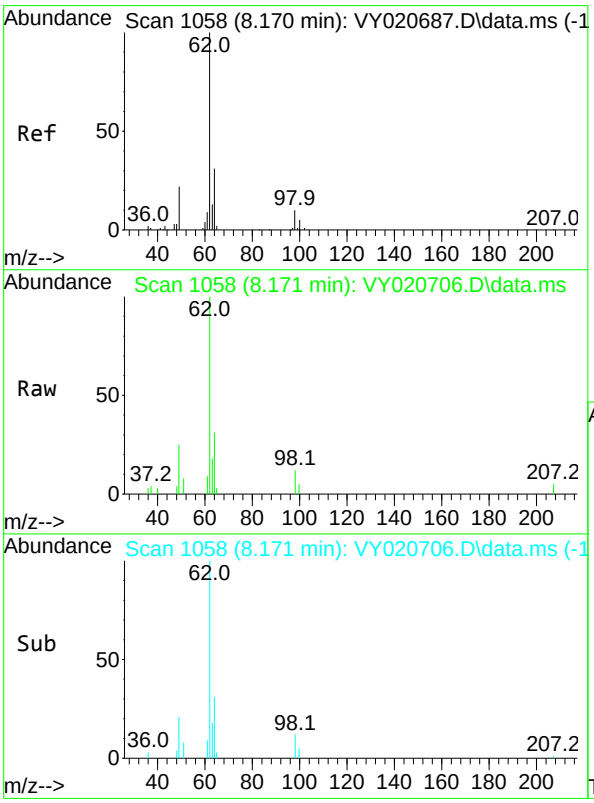
#41
Methacrylonitrile
Concen: 4.235 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 865

Ion	Ratio	Lower	Upper
41	100		
39	74.3	46.6	70.0#
67	110.8	74.7	112.1
52	39.5	32.2	48.4

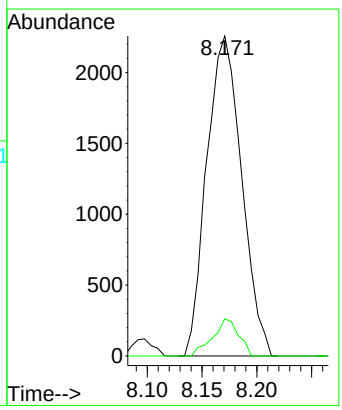


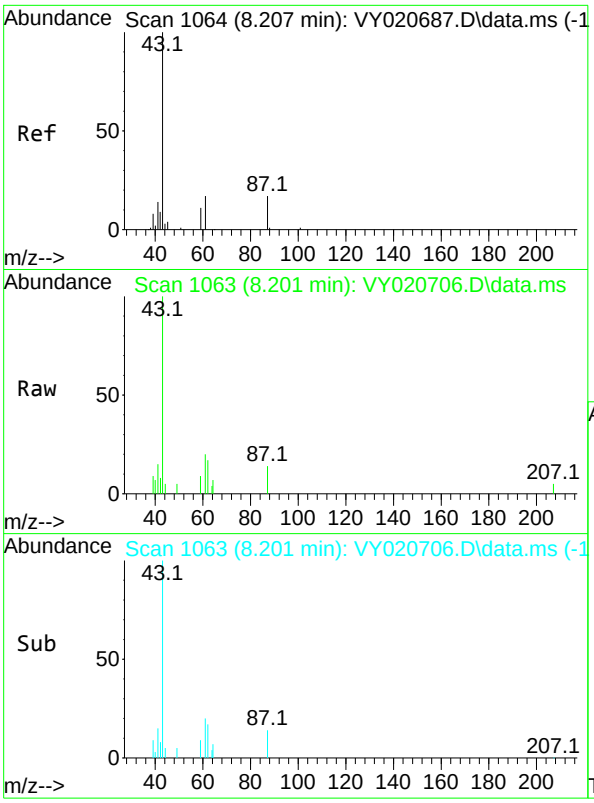


#42
1,2-Dichloroethane
Concen: 4.396 ug/l
RT: 8.171 min Scan# 1058
Delta R.T. 0.001 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 62 Resp: 5012

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.6



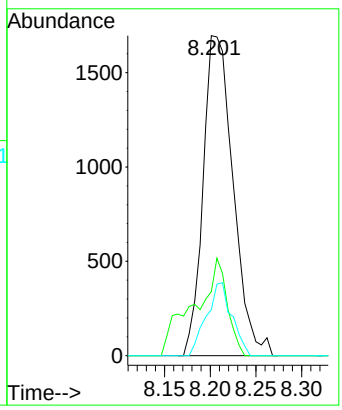


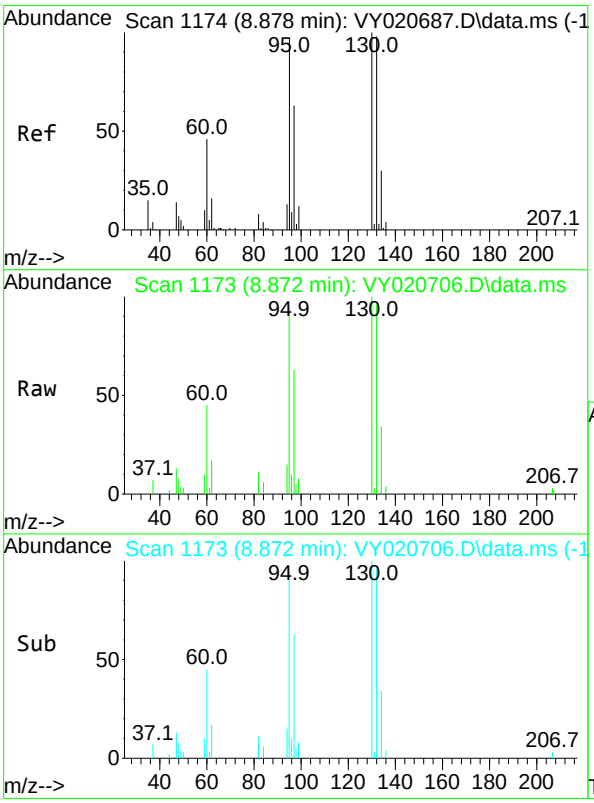
#43
Isopropyl Acetate
Concen: 4.500 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 3867

Ion	Ratio	Lower	Upper
43	100		
61	33.5	27.0	40.4
87	19.1	14.2	21.4

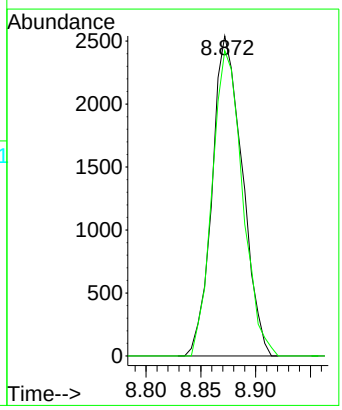


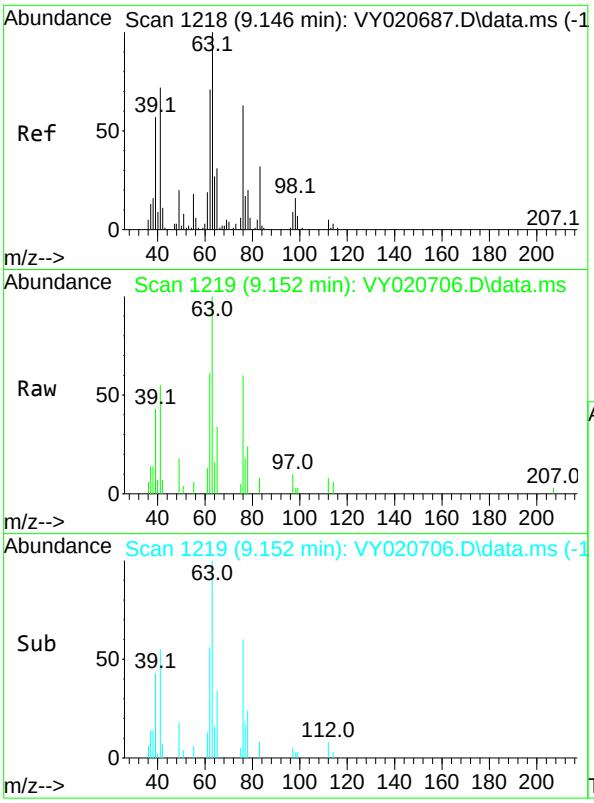


#44
Trichloroethene
Concen: 4.578 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:130 Resp: 4862

Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	194.8



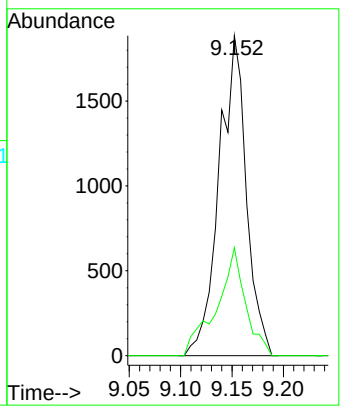


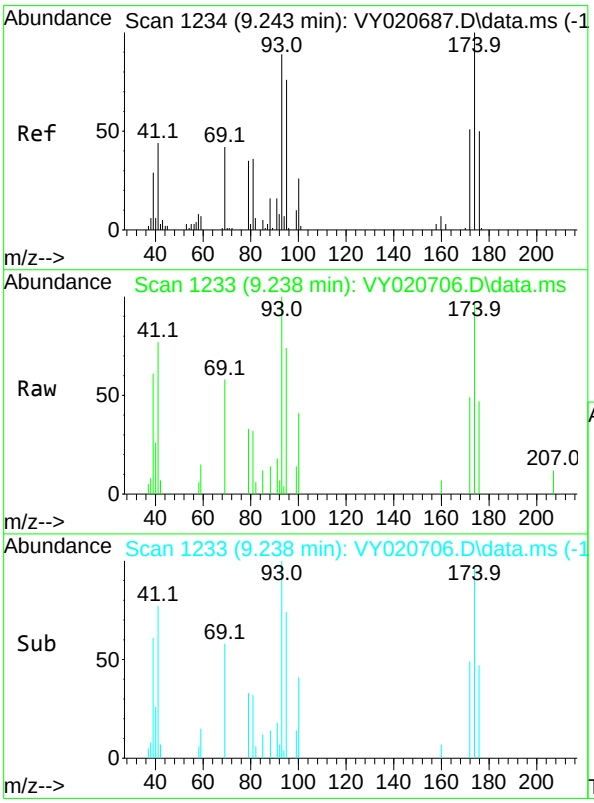
#45
1,2-Dichloropropane
Concen: 4.810 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 3462

Ion	Ratio	Lower	Upper
63	100		
65	33.7	24.6	36.8

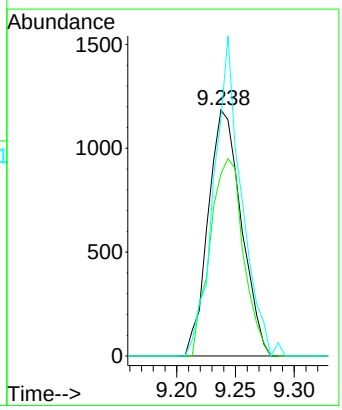


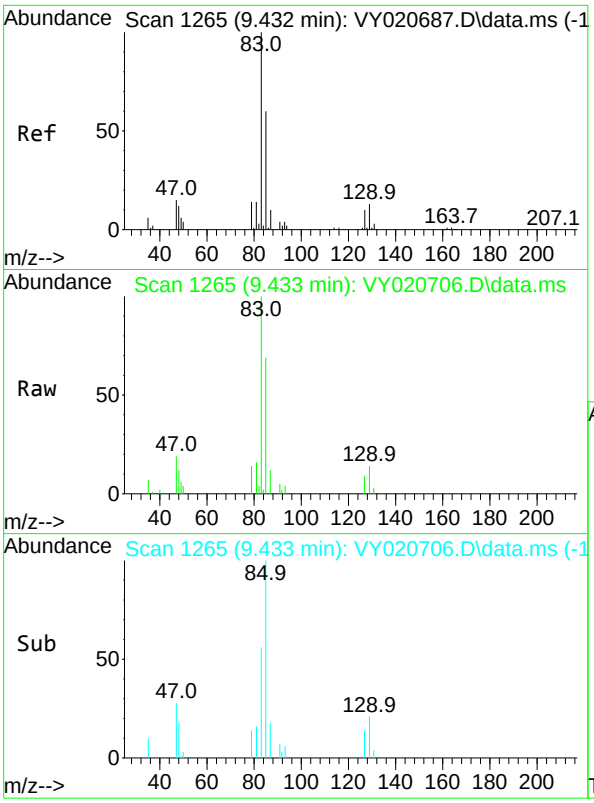


#46
Dibromomethane
Concen: 4.678 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. -0.005 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 93 Resp: 2330

Ion	Ratio	Lower	Upper
93	100		
95	80.4	67.8	101.8
174	108.5	89.4	134.0



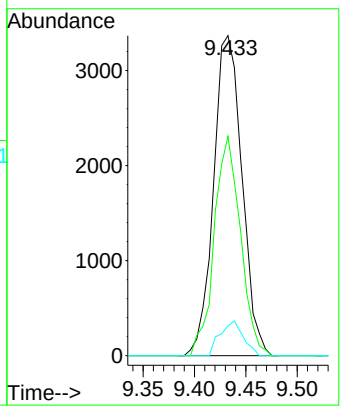


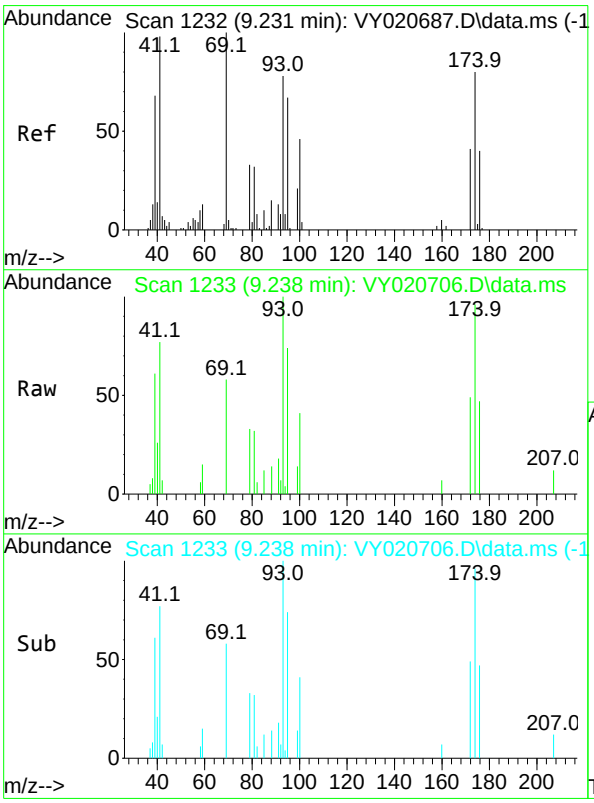
#47
Bromodichloromethane
Concen: 4.581 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 6469

Ion	Ratio	Lower	Upper
83	100		
85	68.5	47.6	71.4
127	9.3	7.9	11.9

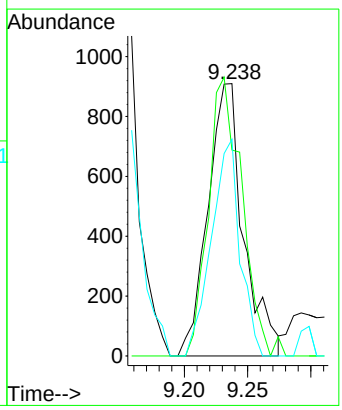


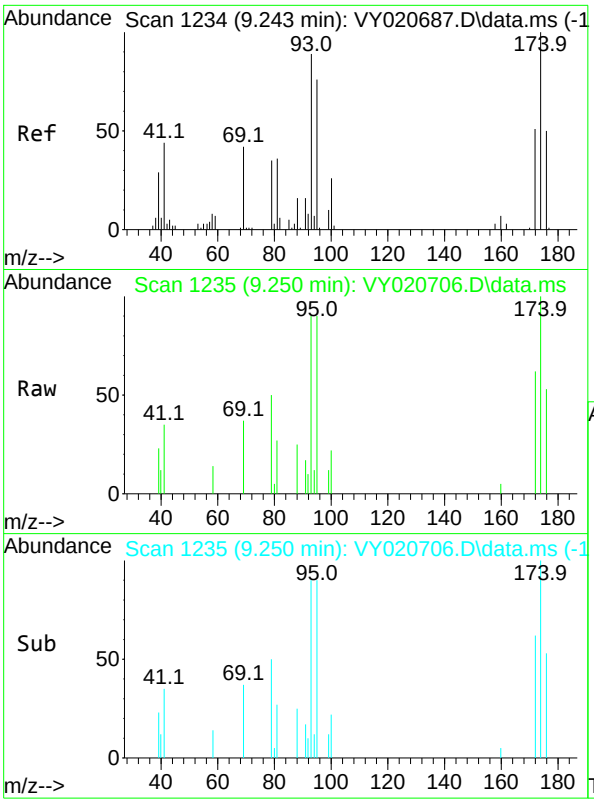


#48
Methyl methacrylate
Concen: 4.445 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. 0.007 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 41 Resp: 1784

Ion	Ratio	Lower	Upper
41	100		
69	96.5	83.1	124.7
39	63.7	57.3	85.9



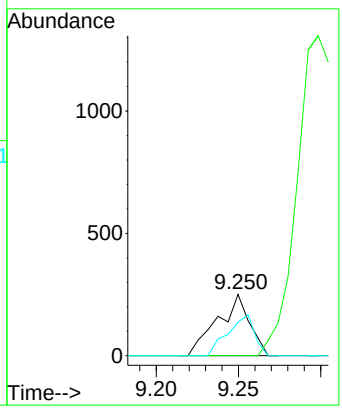


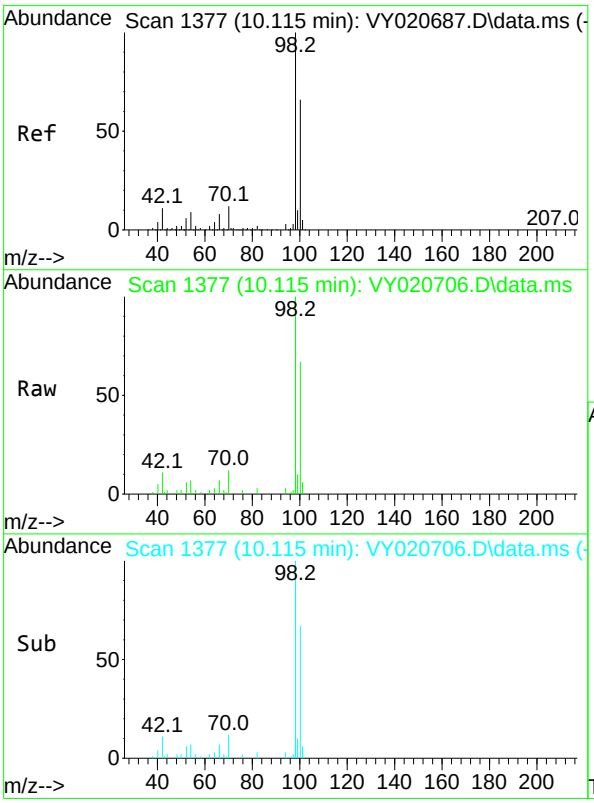
#49
1,4-Dioxane
Concen: 72.090 ug/l
RT: 9.250 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 342

Ion	Ratio	Lower	Upper
88	100		
43	0.0	22.1	33.1#
58	55.0	46.7	70.1

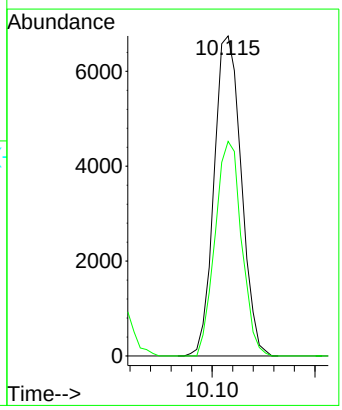


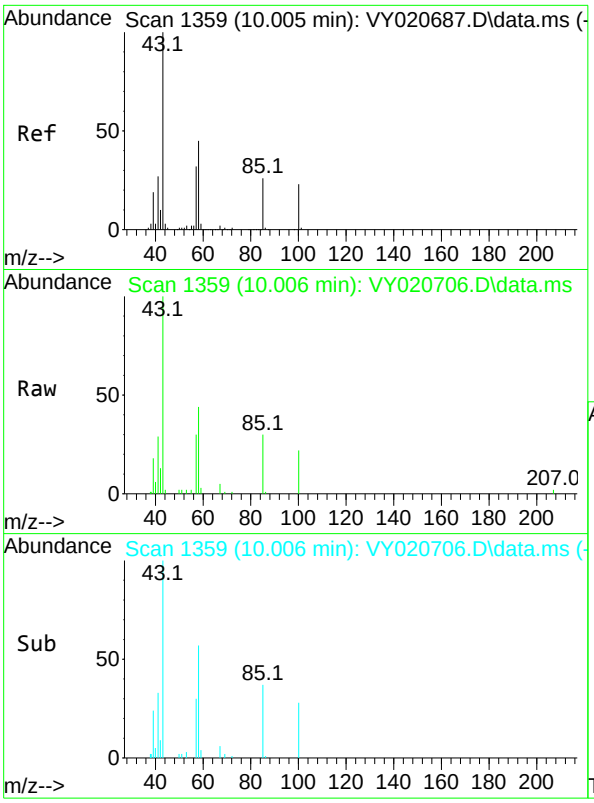


#50
Toluene-d8
Concen: 4.957 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 98 Resp: 12366

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.4



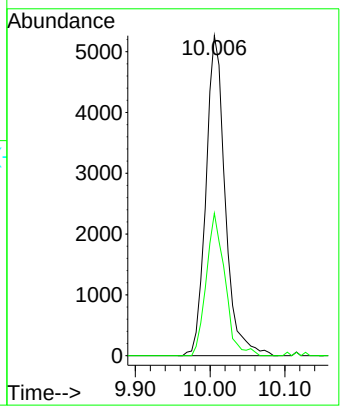


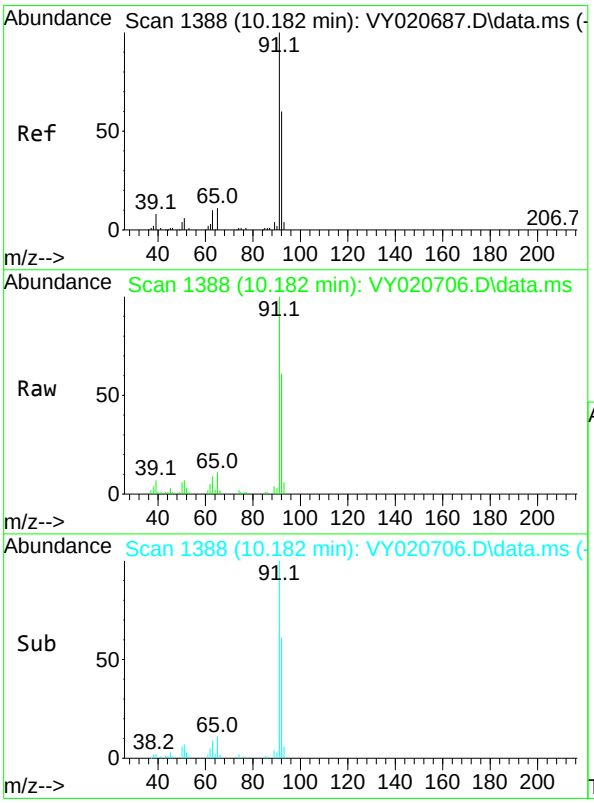
#51
4-Methyl-2-Pentanone
Concen: 22.620 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 9383

Ion	Ratio	Lower	Upper
43	100		
58	43.3	35.1	52.7

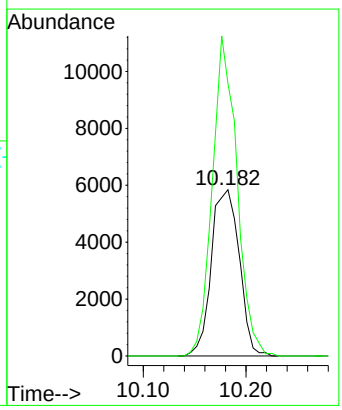


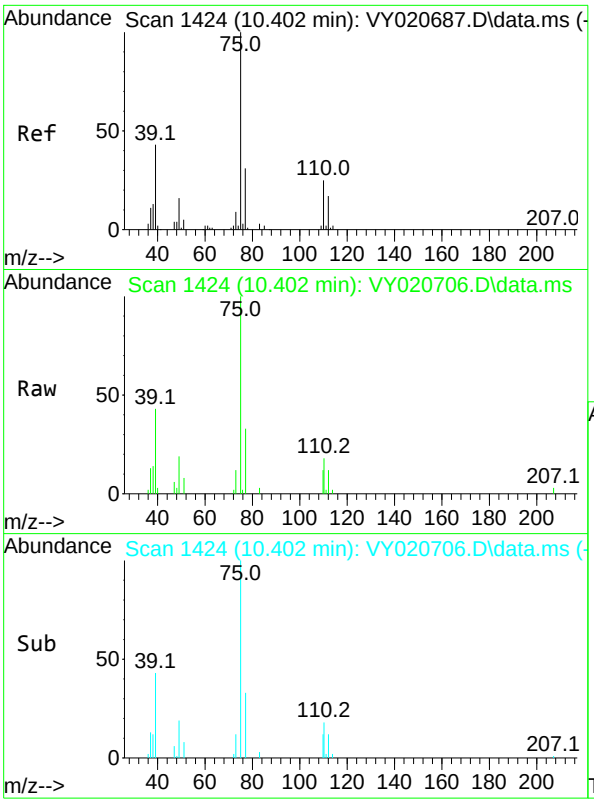


#52
Toluene
Concen: 4.526 ug/l
RT: 10.182 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 92 Resp: 11031

Ion	Ratio	Lower	Upper
92	100		
91	170.0	137.7	206.5



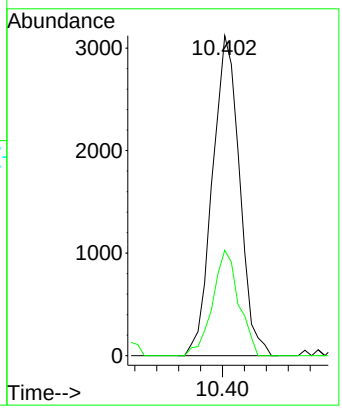


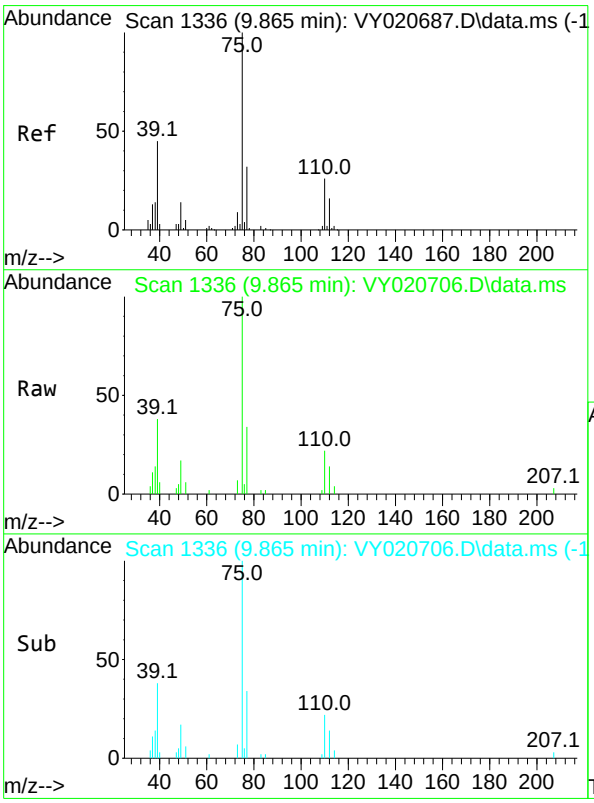
#53
t-1,3-Dichloropropene
Concen: 4.320 ug/l
RT: 10.402 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 5357

Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.1	37.7

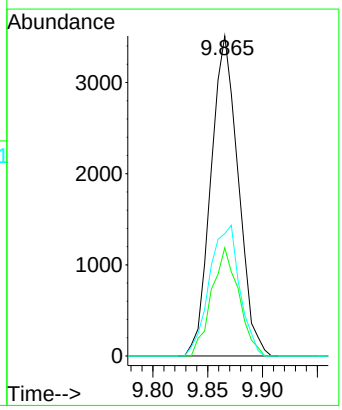


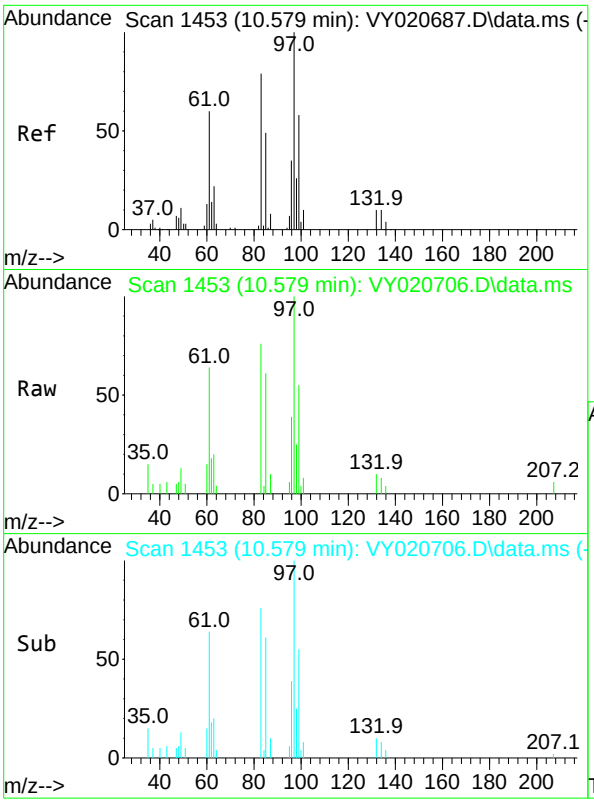


#54
cis-1,3-Dichloropropene
Concen: 4.481 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 75 Resp: 6091

Ion	Ratio	Lower	Upper
75	100		
77	33.8	25.6	38.4
39	38.3	36.2	54.2



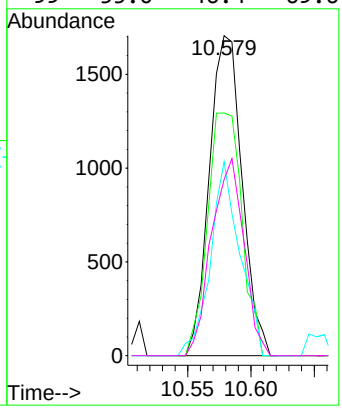


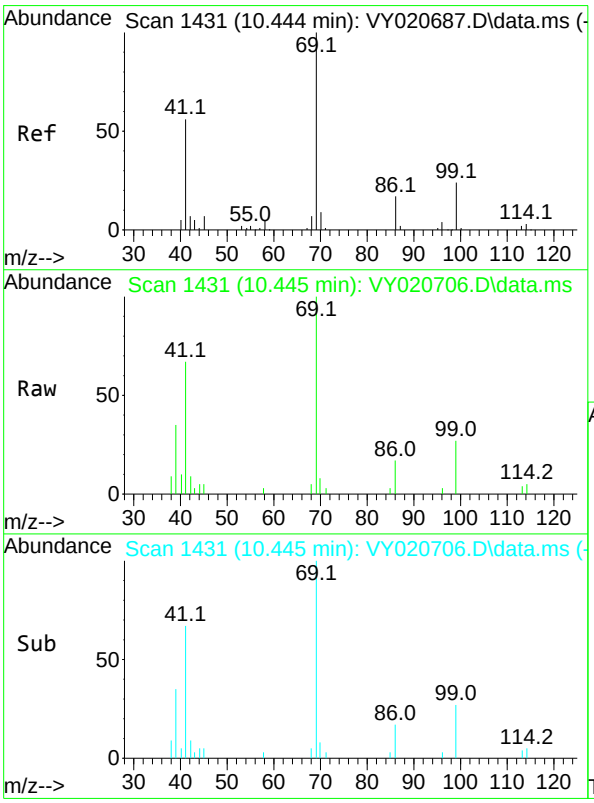
#55
1,1,2-Trichloroethane
Concen: 4.826 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 3068

Ion	Ratio	Lower	Upper
97	100		
83	75.8	63.1	94.7
85	60.6	39.5	59.3#
99	55.0	46.4	69.6

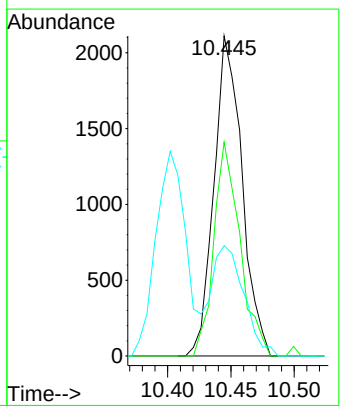


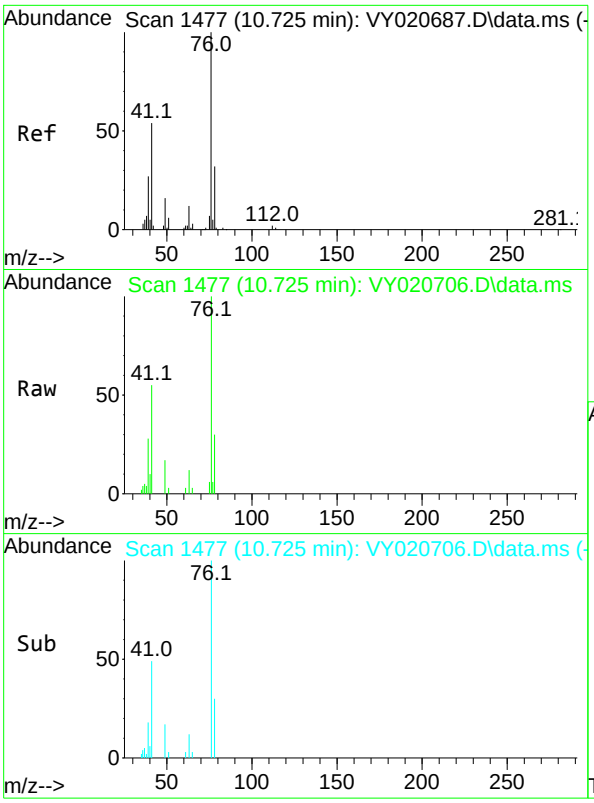


#56
Ethyl methacrylate
Concen: 3.891 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.001 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 69 Resp: 3250

Ion	Ratio	Lower	Upper
69	100		
41	62.1	43.8	65.6
39	39.8	32.0	48.0



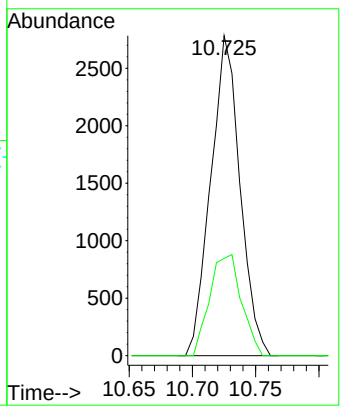


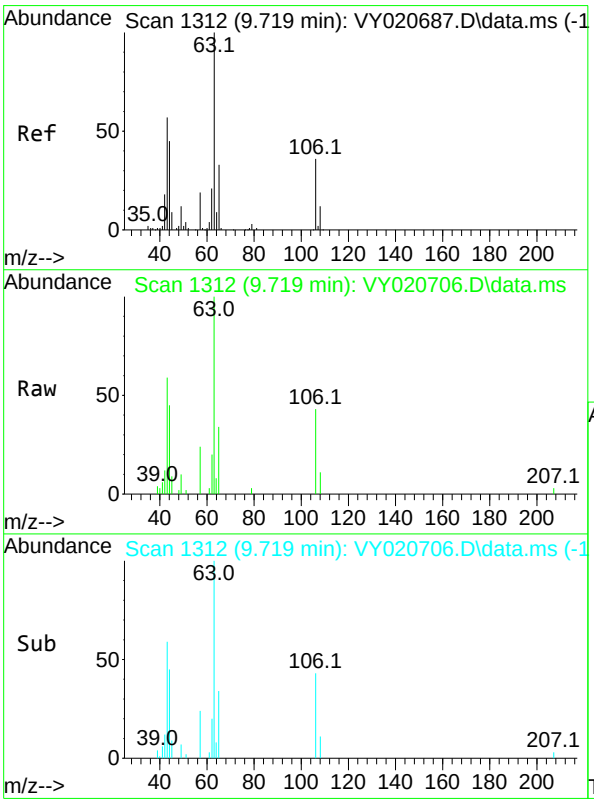
#57
1,3-Dichloropropane
Concen: 4.337 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 4475

Ion	Ratio	Lower	Upper
76	100		
78	34.2	25.0	37.6

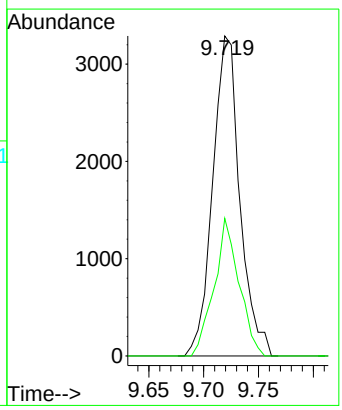


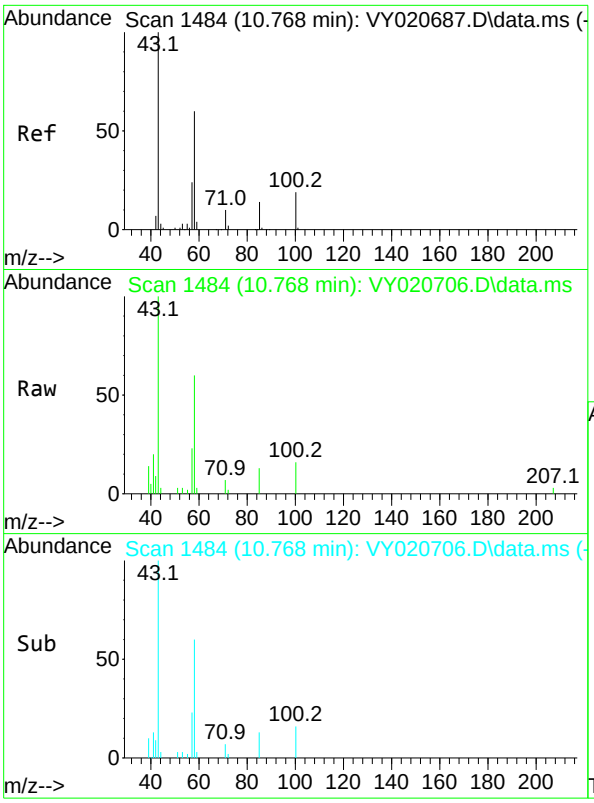


#58
2-Chloroethyl Vinyl ether
Concen: 19.451 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 63 Resp: 5665

Ion	Ratio	Lower	Upper
63	100		
106	39.4	29.1	43.7



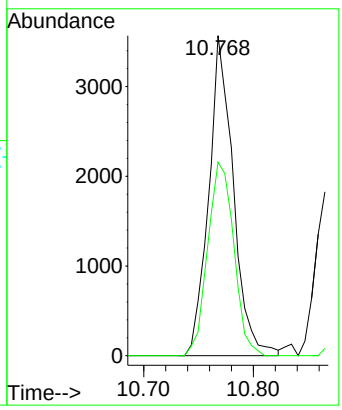


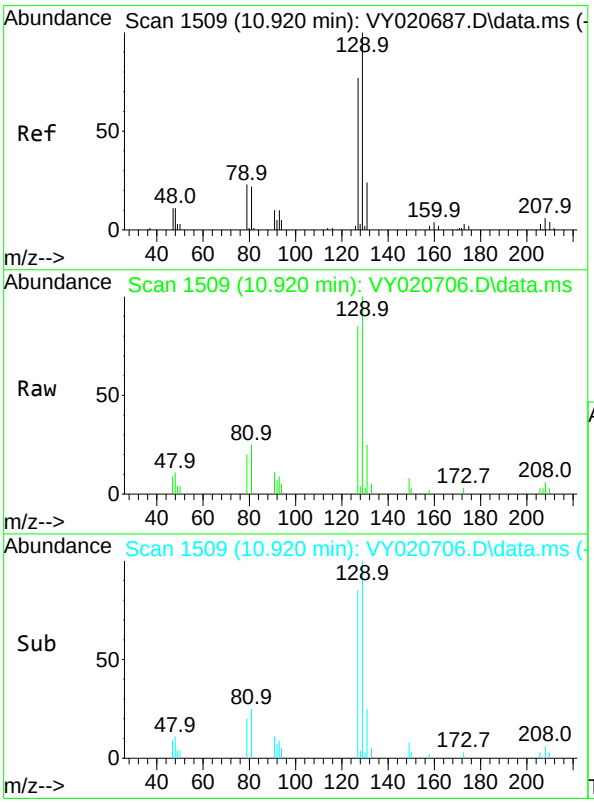
#59
2-Hexanone
Concen: 20.301 ug/l
RT: 10.768 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 5560

Ion	Ratio	Lower	Upper
43	100		
58	64.2	30.1	90.5

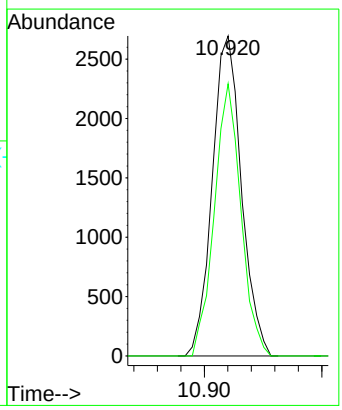


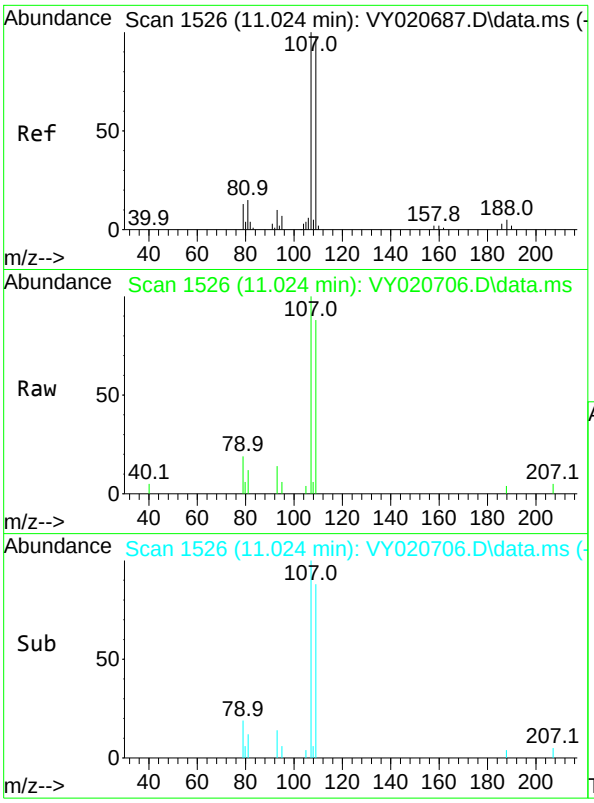


#60
Dibromochloromethane
Concen: 4.532 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:129 Resp: 4656

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.5	115.5



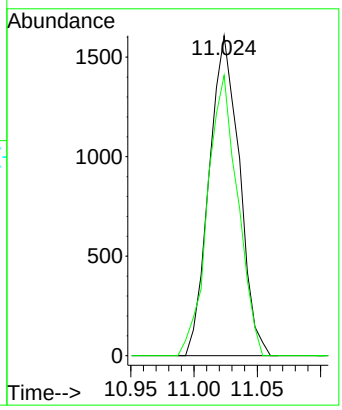


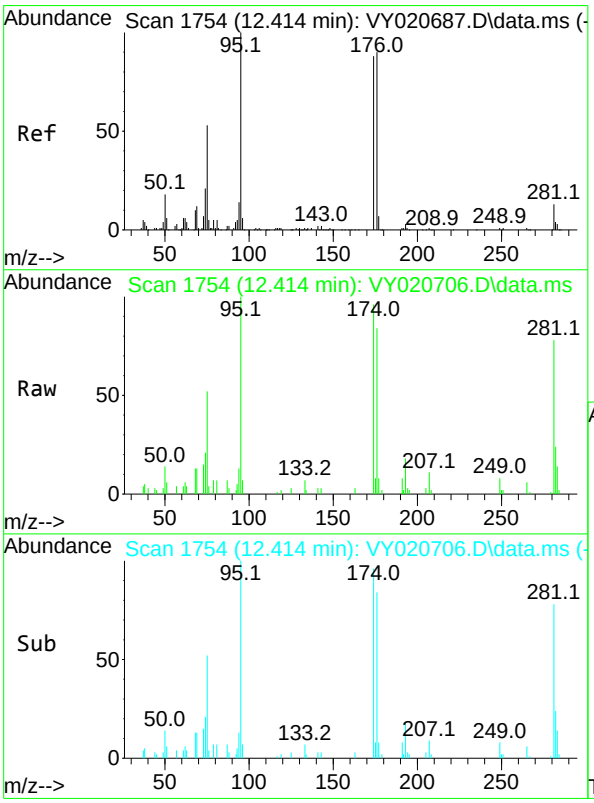
#61
1,2-Dibromoethane
Concen: 4.467 ug/l
RT: 11.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 2672

Ion	Ratio	Lower	Upper
107	100		
109	87.6	75.5	113.3

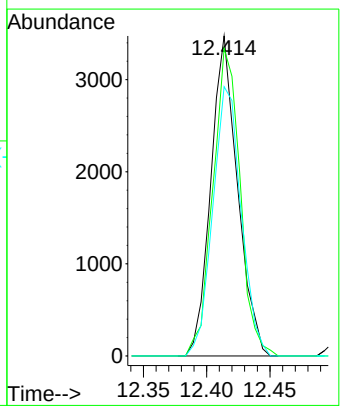


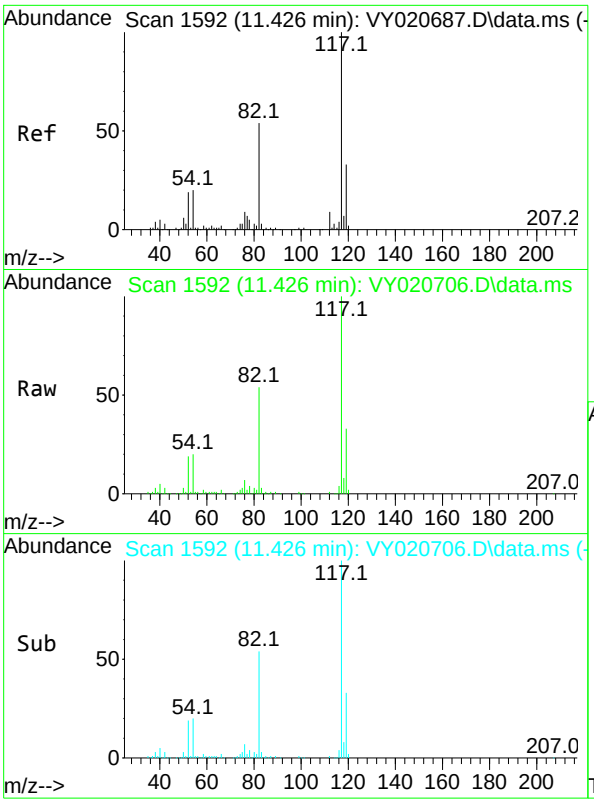


#62
4-Bromofluorobenzene
Concen: 4.139 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 95 Resp: 5109

Ion	Ratio	Lower	Upper
95	100		
174	97.6	0.0	179.2
176	89.2	0.0	179.8



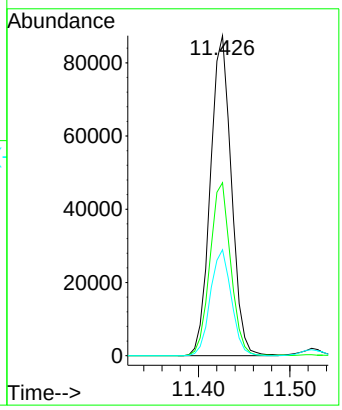


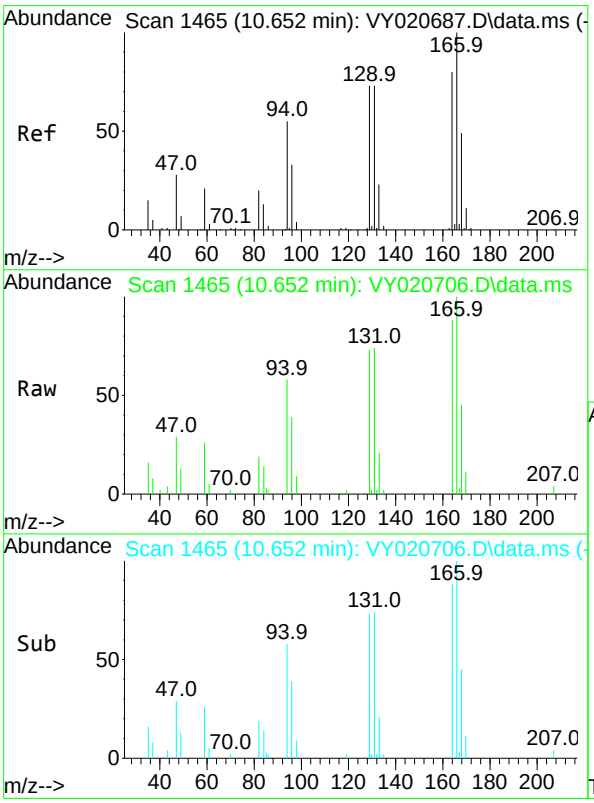
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 139342

Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.4	65.2
119	33.1	26.6	39.8

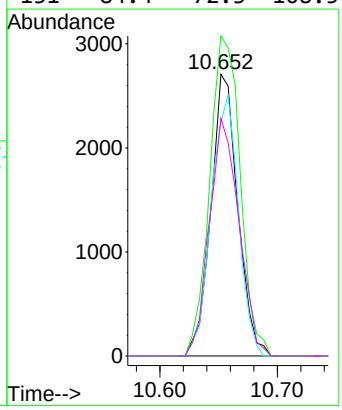


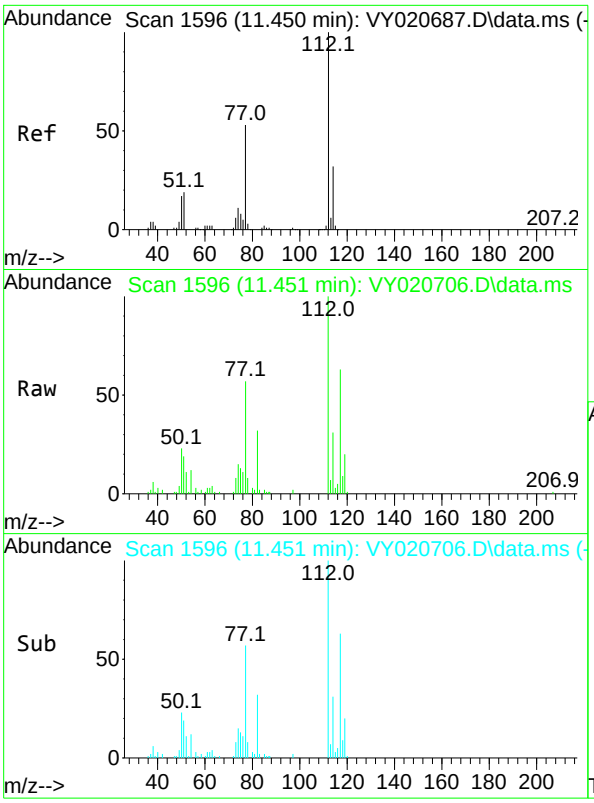


#64
Tetrachloroethene
Concen: 4.511 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:164 Resp: 4294

Ion	Ratio	Lower	Upper
164	100		
166	113.6	99.6	149.4
129	83.0	73.0	109.4
131	84.4	72.3	108.5



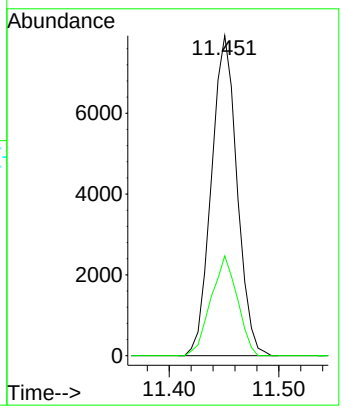


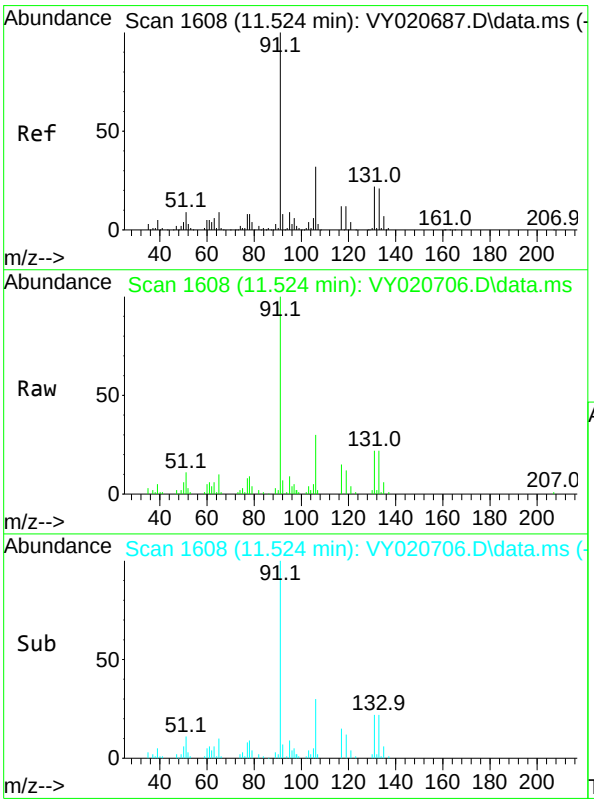
#65
Chlorobenzene
Concen: 4.724 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 12888

Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.4	38.0

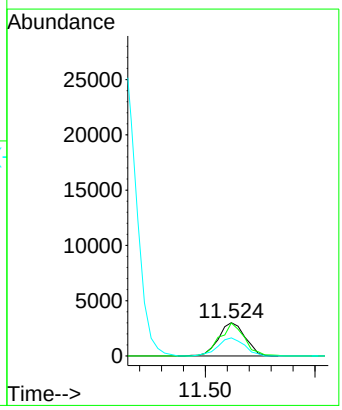


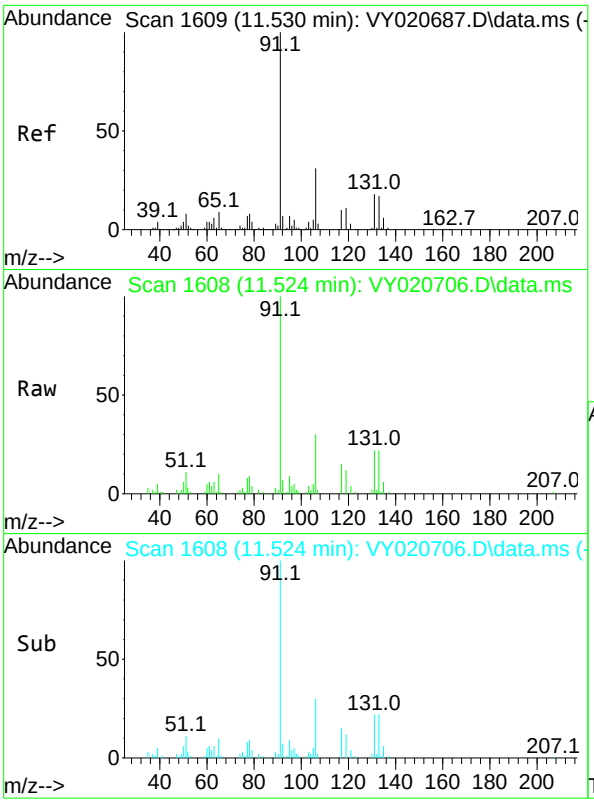


#66
1,1,1,2-Tetrachloroethane
Concen: 4.806 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:131 Resp: 5080

Ion	Ratio	Lower	Upper
131	100		
133	92.2	48.6	145.9
119	54.4	28.4	85.3



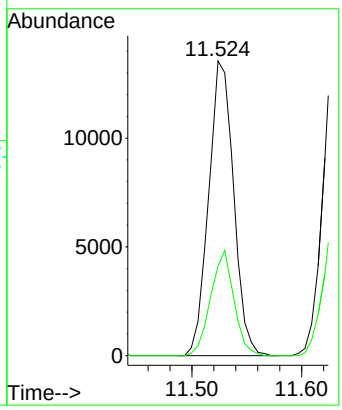


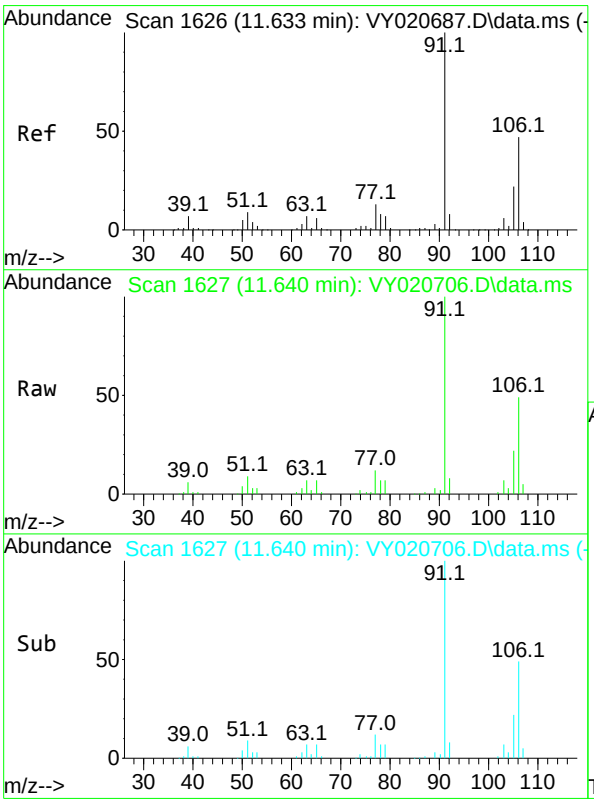
#67
Ethyl Benzene
Concen: 4.499 ug/l
RT: 11.524 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 21456

Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.5	36.7

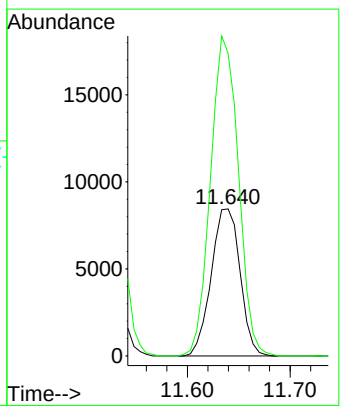


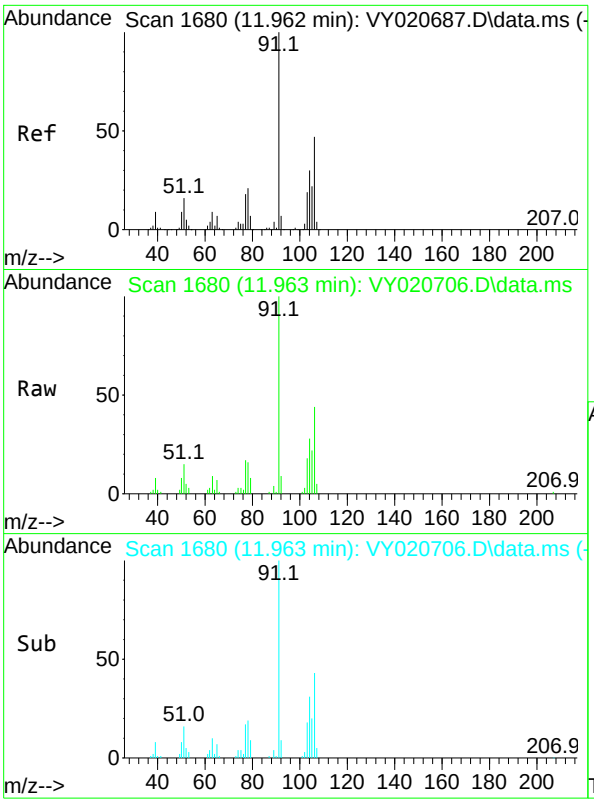


#68
m/p-Xylenes
Concen: 9.042 ug/l
RT: 11.640 min Scan# 1627
Delta R.T. 0.007 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:106 Resp: 16447

Ion	Ratio	Lower	Upper
106	100		
91	210.6	166.6	250.0



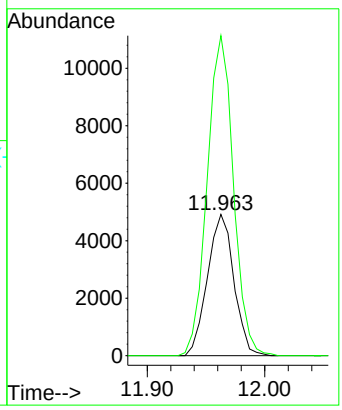


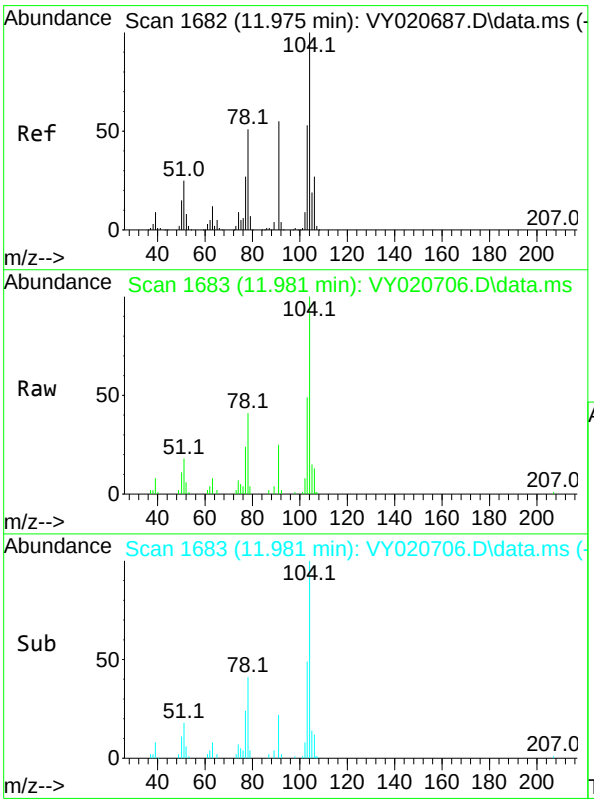
#69
o-Xylene
Concen: 4.425 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 7691

Ion	Ratio	Lower	Upper
106	100		
91	224.9	108.6	325.8

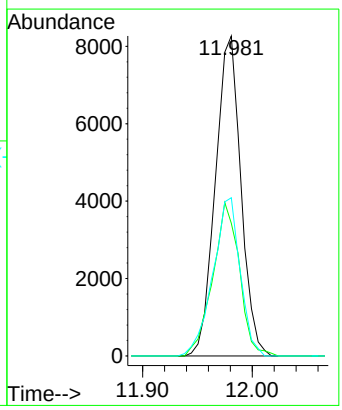


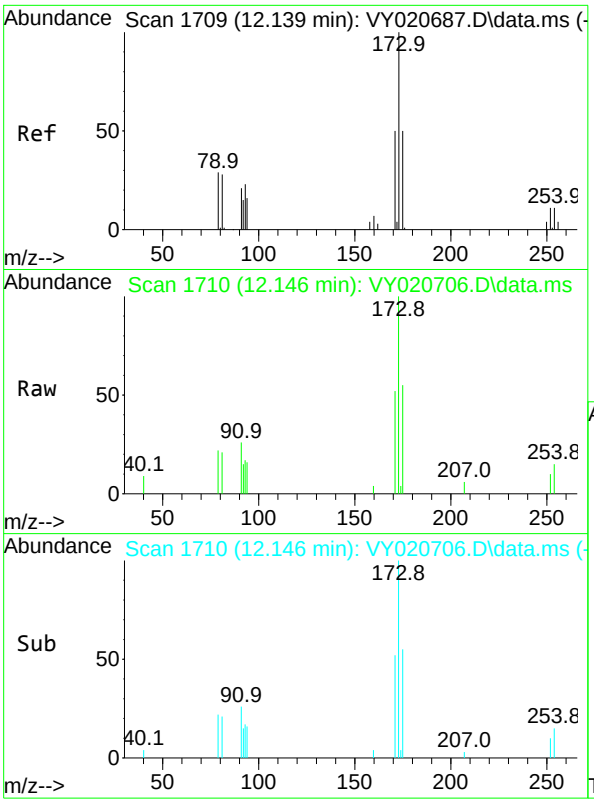


#70
Styrene
Concen: 4.577 ug/l
RT: 11.981 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:104 Resp: 13353

Ion	Ratio	Lower	Upper
104	100		
78	50.1	43.0	64.4
103	52.7	44.4	66.6



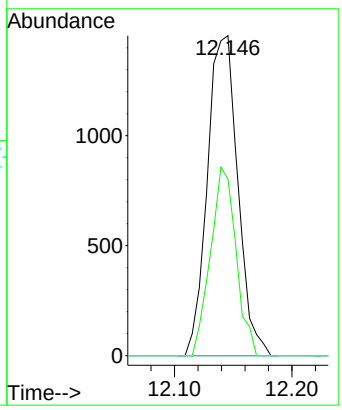


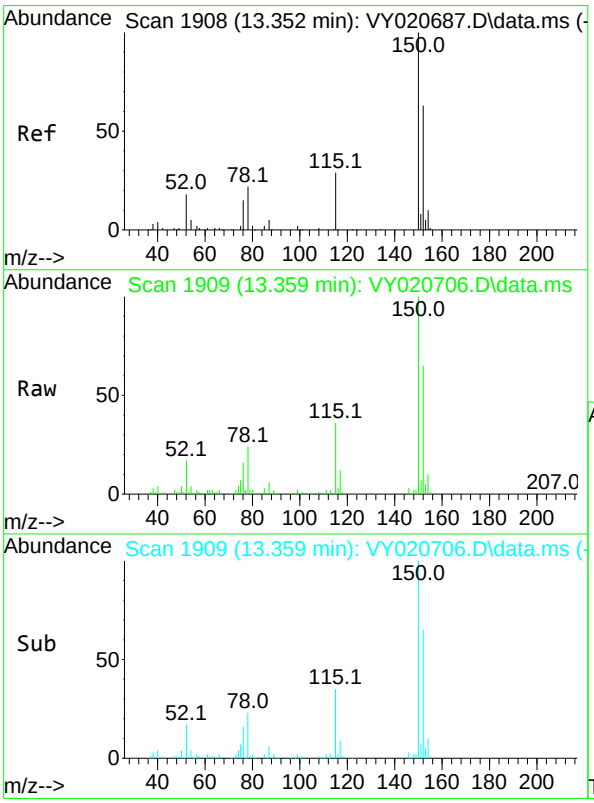
#71
Bromoform
Concen: 4.308 ug/l
RT: 12.146 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 2618

Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.2	72.6
254	0.0	0.0	0.0

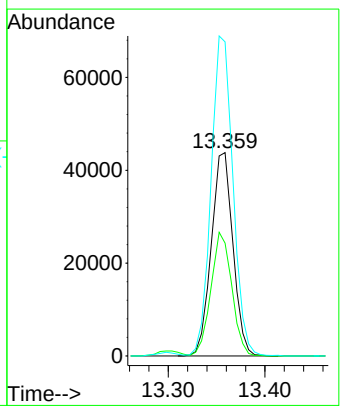


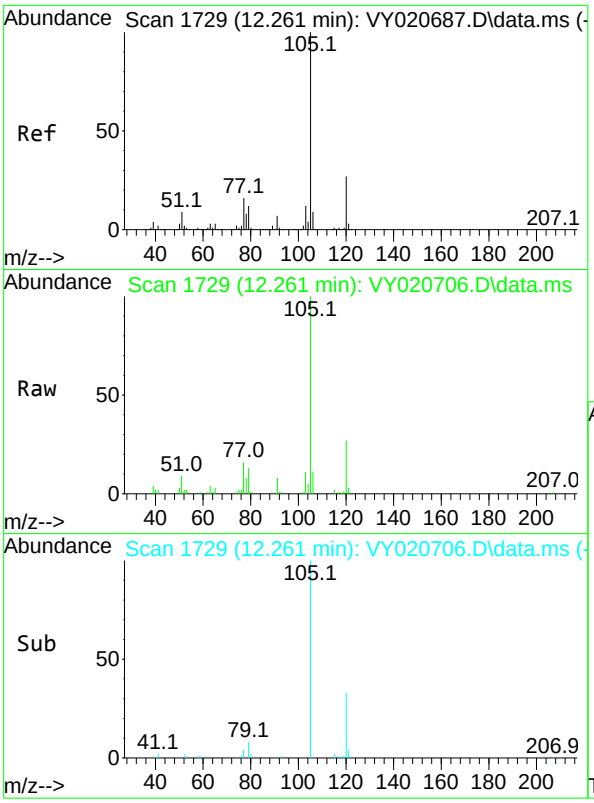


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.007 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:152 Resp: 68108

Ion	Ratio	Lower	Upper
152	100		
115	58.6	30.3	90.9
150	158.9	0.0	349.0



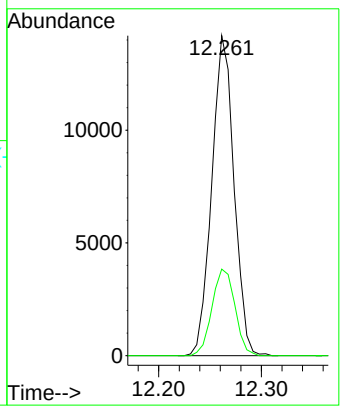


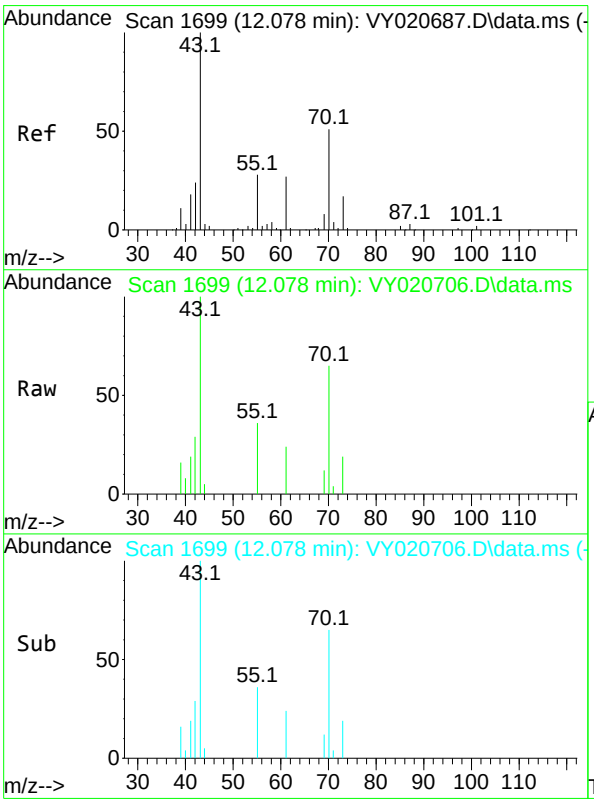
#73
Isopropylbenzene
Concen: 4.508 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 21271

Ion	Ratio	Lower	Upper
105	100		
120	27.9	13.3	39.9

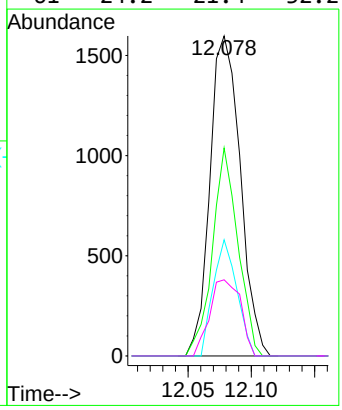


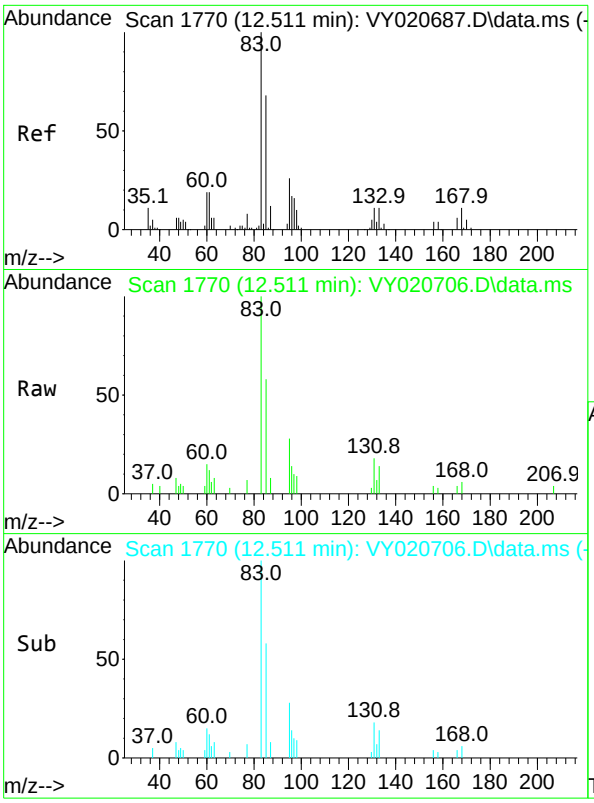


#74
N-amyl acetate
Concen: 3.970 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 43 Resp: 2662

Ion	Ratio	Lower	Upper
43	100		
70	54.7	39.7	59.5
55	28.3	21.5	32.3
61	24.2	21.4	32.2



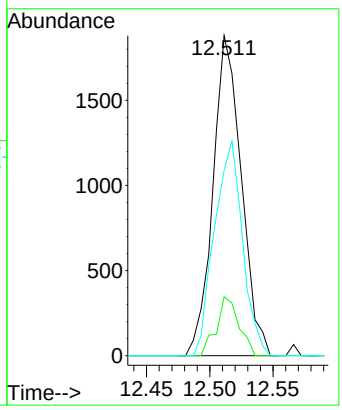


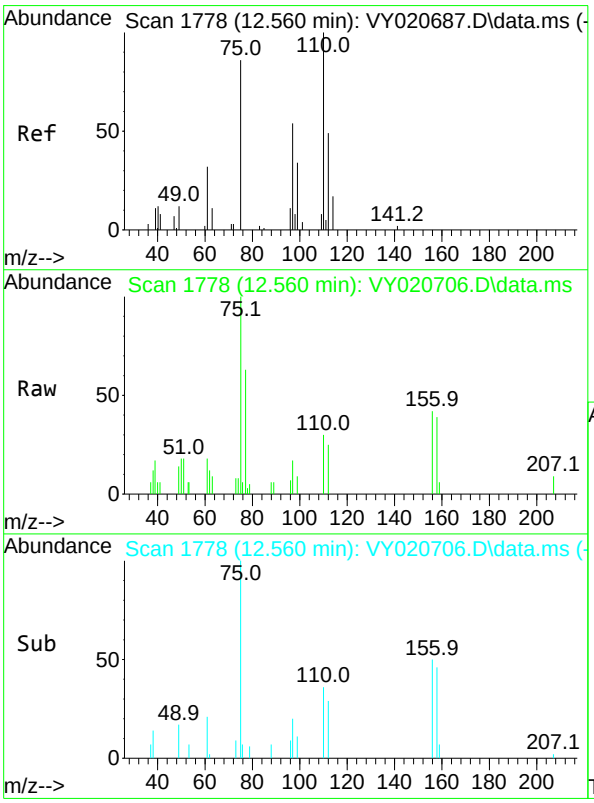
#75
1,1,2,2-Tetrachloroethane
Concen: 4.847 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 2932

Ion	Ratio	Lower	Upper
83	100		
131	14.5	6.9	20.7
85	66.4	32.5	97.4

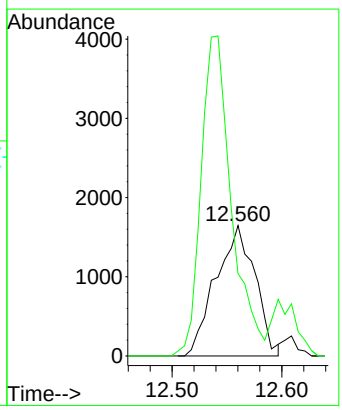


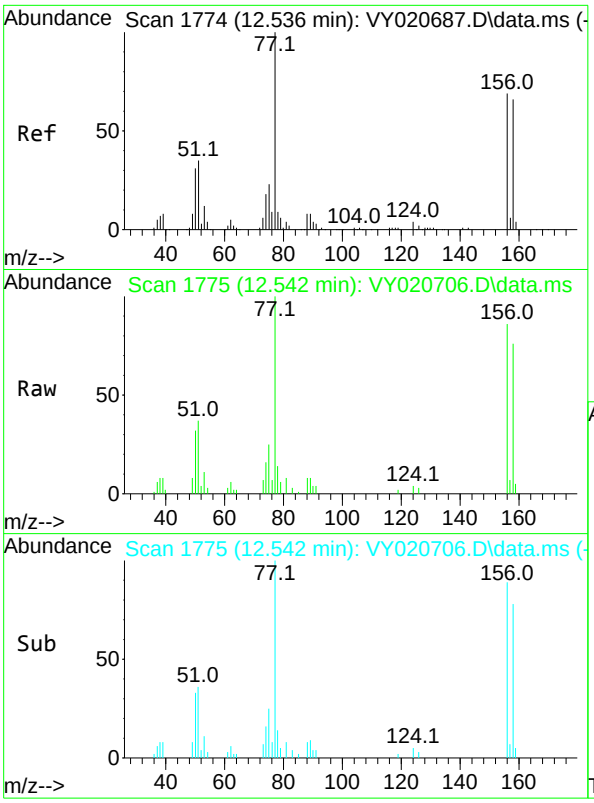


#76
1,2,3-Trichloropropane
Concen: 8.425 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 75 Resp: 4095

Ion	Ratio	Lower	Upper
75	100		
77	189.8	0.0	0.0#



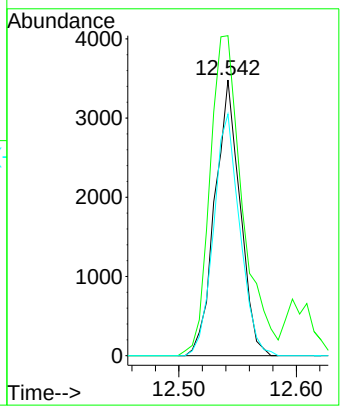


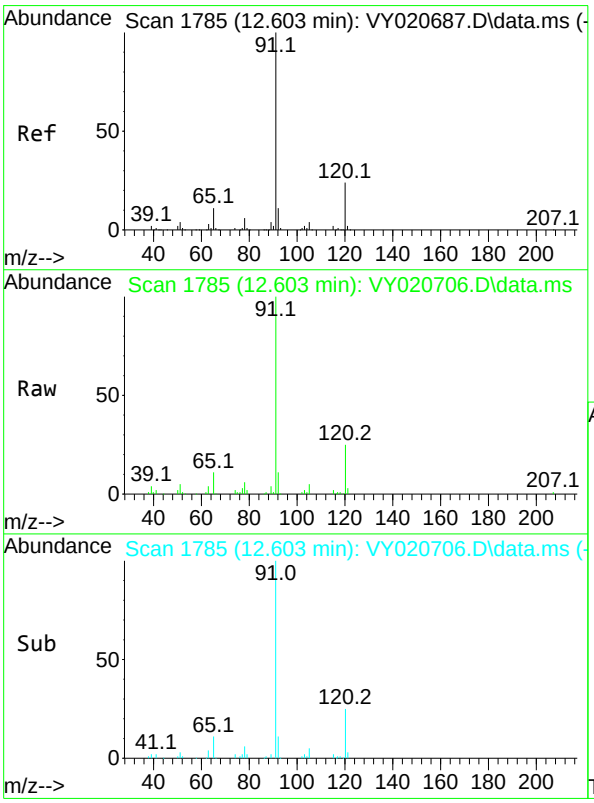
#77
Bromobenzene
Concen: 4.775 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 5187

Ion	Ratio	Lower	Upper
156	100		
77	149.9	78.3	235.0
158	91.1	48.3	144.9

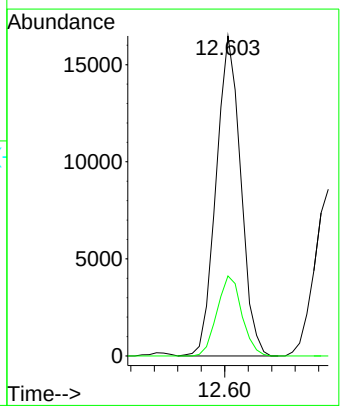


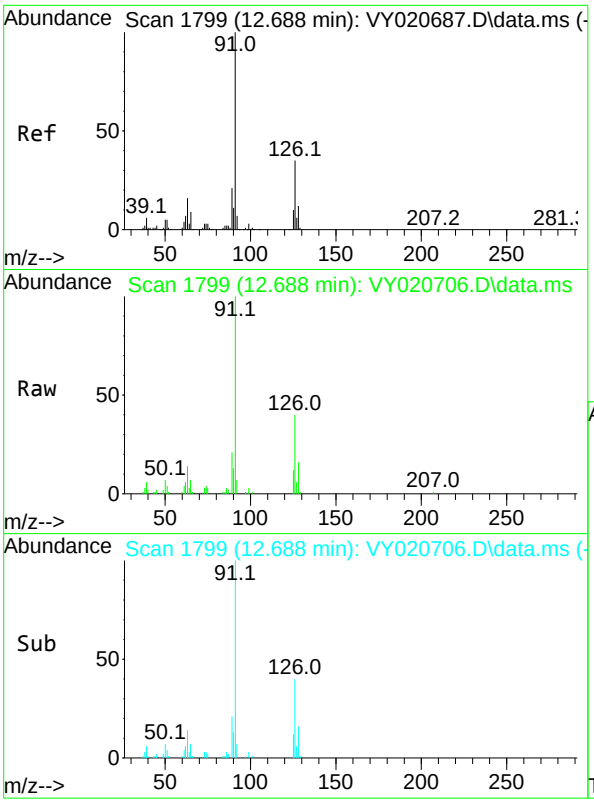


#78
n-propylbenzene
Concen: 4.534 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 91 Resp: 23980

Ion	Ratio	Lower	Upper
91	100		
120	25.1	12.3	36.8



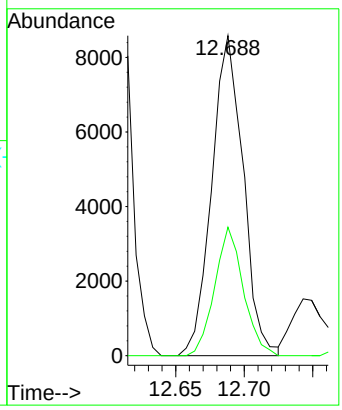


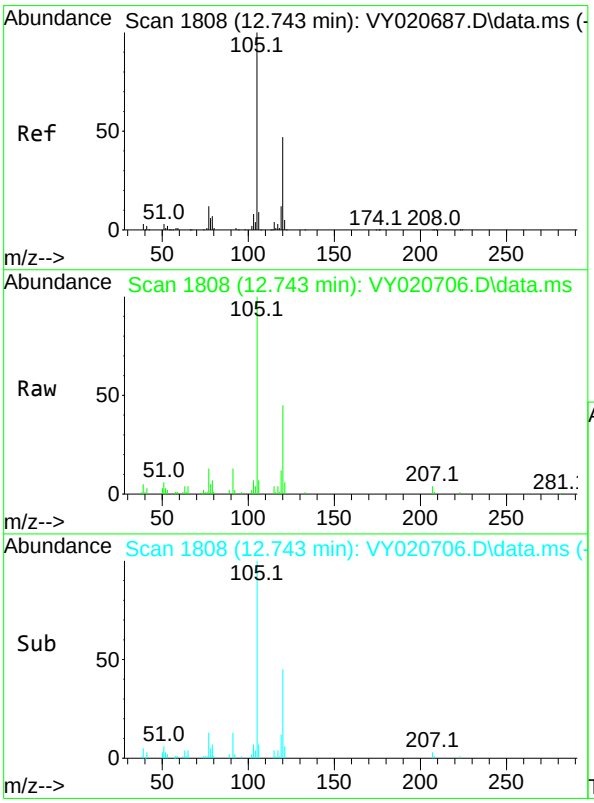
#79
2-Chlorotoluene
Concen: 4.540 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 13687

Ion	Ratio	Lower	Upper
91	100		
126	36.6	17.8	53.3

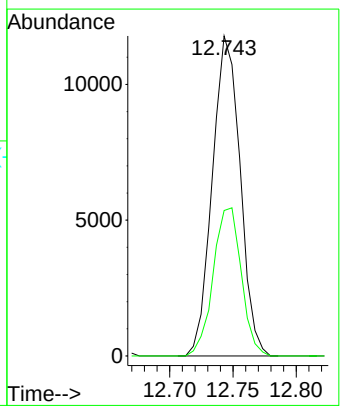


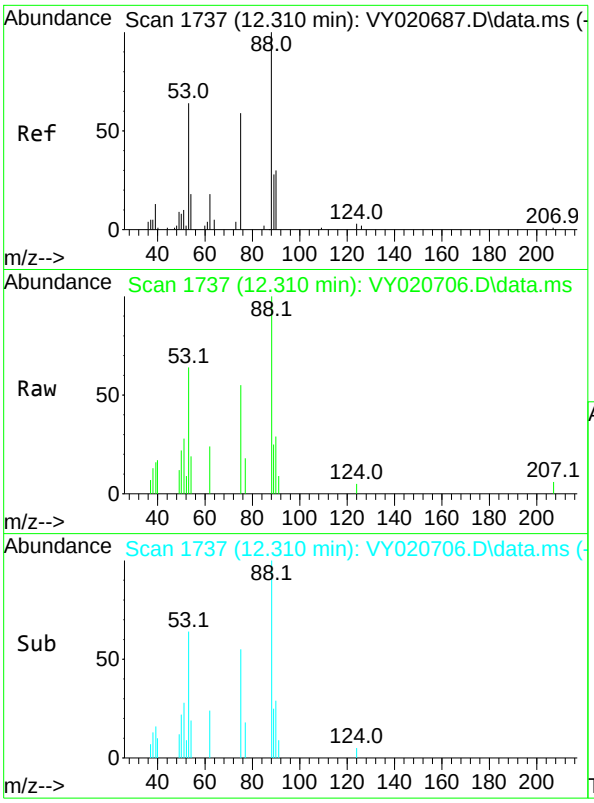


#80
1,3,5-Trimethylbenzene
Concen: 4.582 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:105 Resp: 18014

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.9	71.7



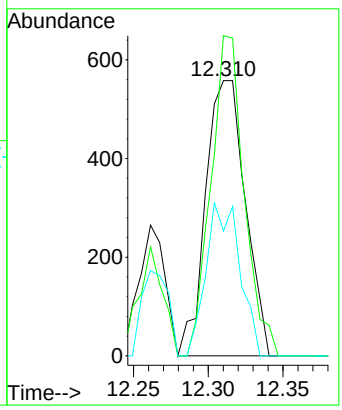


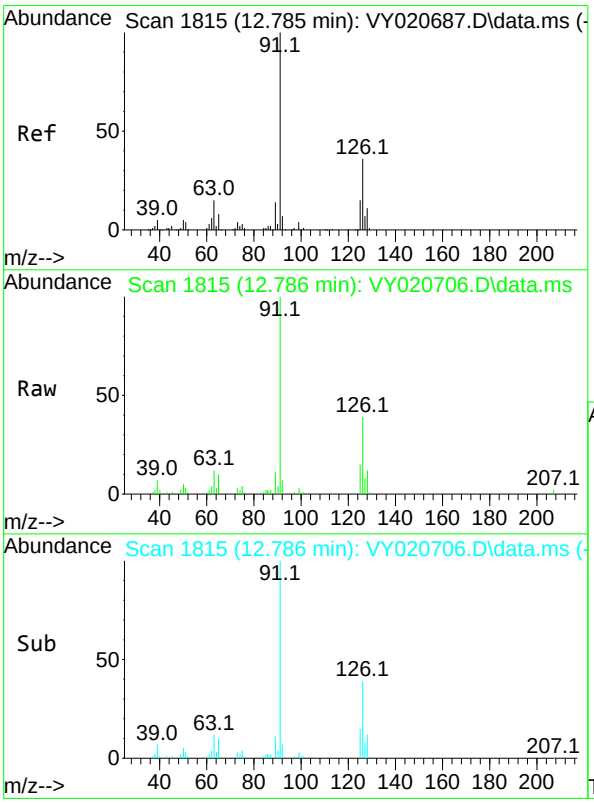
#81
trans-1,4-Dichloro-2-butene
Concen: 4.700 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 1030

Ion	Ratio	Lower	Upper
75	100		
53	97.4	83.1	124.7
89	47.2	40.6	61.0

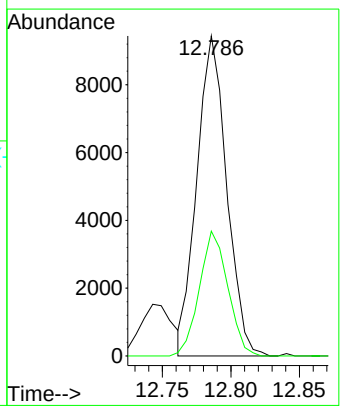


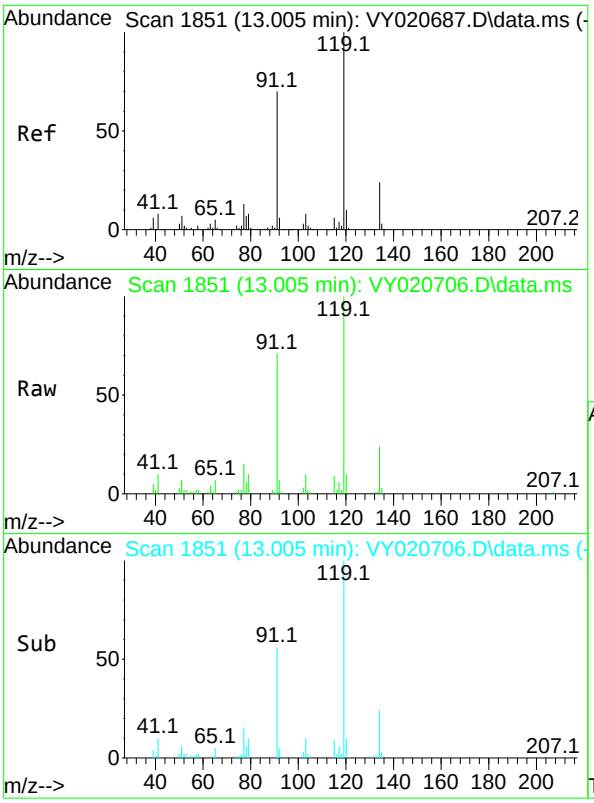


#82
4-Chlorotoluene
Concen: 4.588 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.001 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 91 Resp: 14294

Ion	Ratio	Lower	Upper
91	100		
126	37.3	17.8	53.5



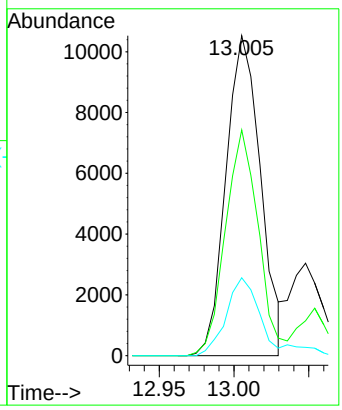


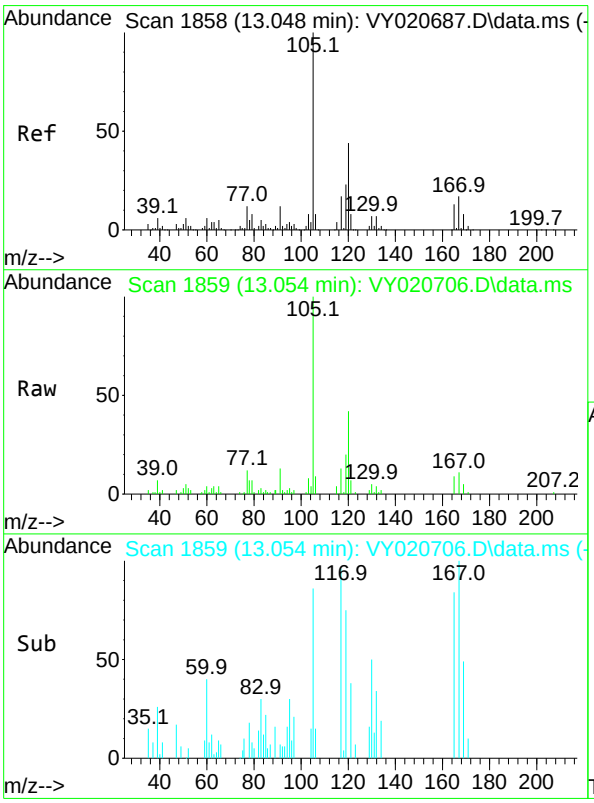
#83
tert-Butylbenzene
Concen: 4.613 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 16938

Ion	Ratio	Lower	Upper
119	100		
91	67.4	33.6	100.8
134	25.6	13.4	40.2

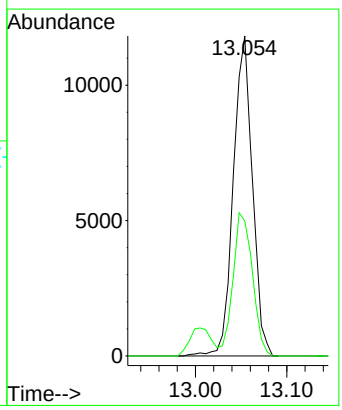


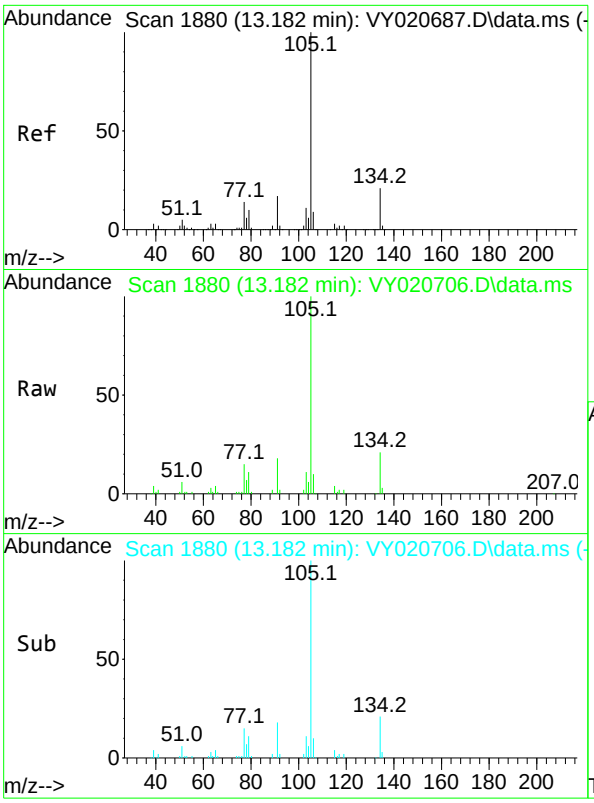


#84
1,2,4-Trimethylbenzene
Concen: 4.473 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:105 Resp: 17114

Ion	Ratio	Lower	Upper
105	100		
120	45.7	21.8	65.3



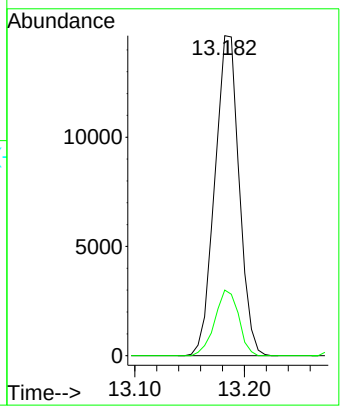


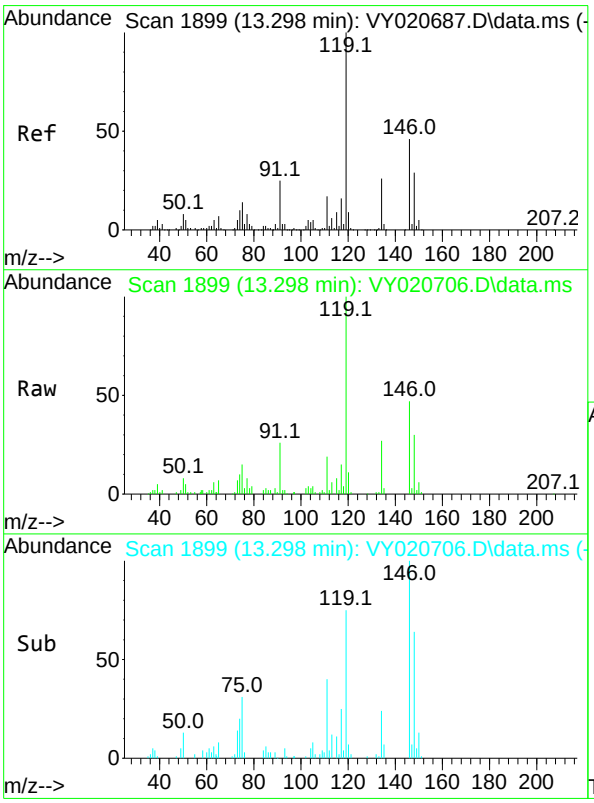
#85
sec-Butylbenzene
Concen: 4.564 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 22583

Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.7	32.1

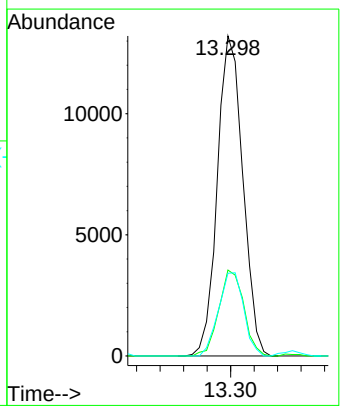


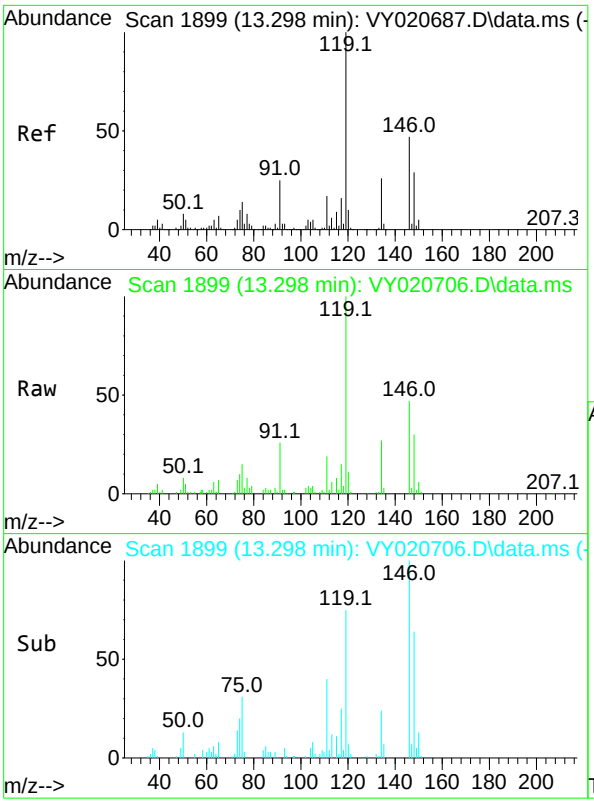


#86
p-Isopropyltoluene
Concen: 4.513 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:119 Resp: 19901

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.4	40.2
91	25.6	12.9	38.6



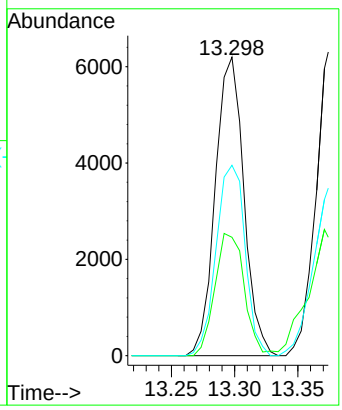


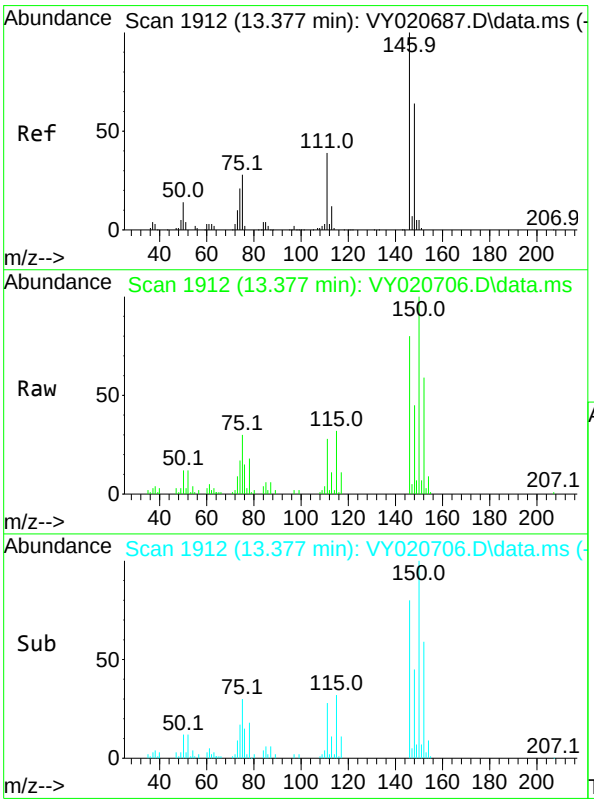
#87
1,3-Dichlorobenzene
Concen: 4.582 ug/l
RT: 13.298 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 9727

Ion	Ratio	Lower	Upper
146	100		
111	42.4	19.3	57.8
148	64.9	31.1	93.5

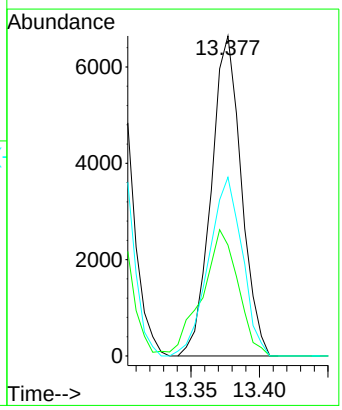


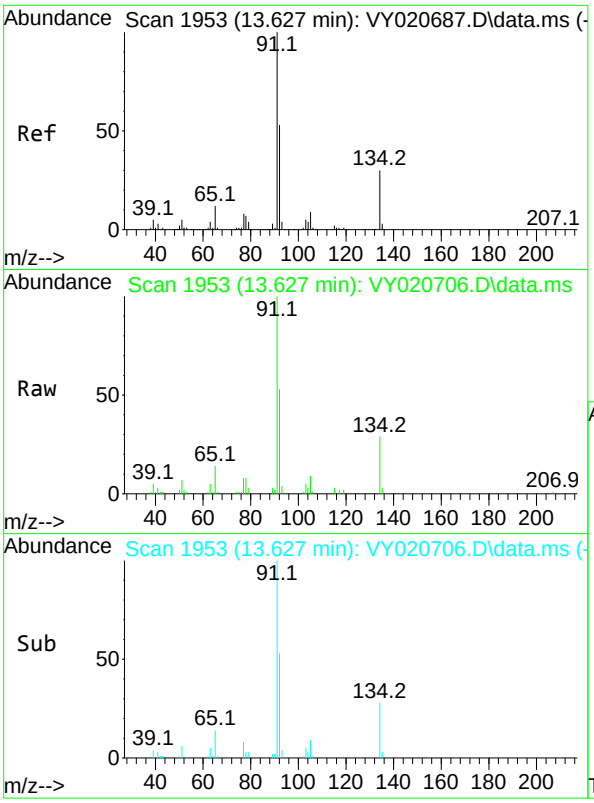


#88
1,4-Dichlorobenzene
Concen: 4.811 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:146 Resp: 10161

Ion	Ratio	Lower	Upper
146	100		
111	46.8	19.7	59.0
148	62.3	32.8	98.3



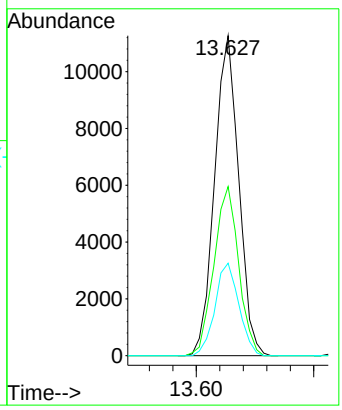


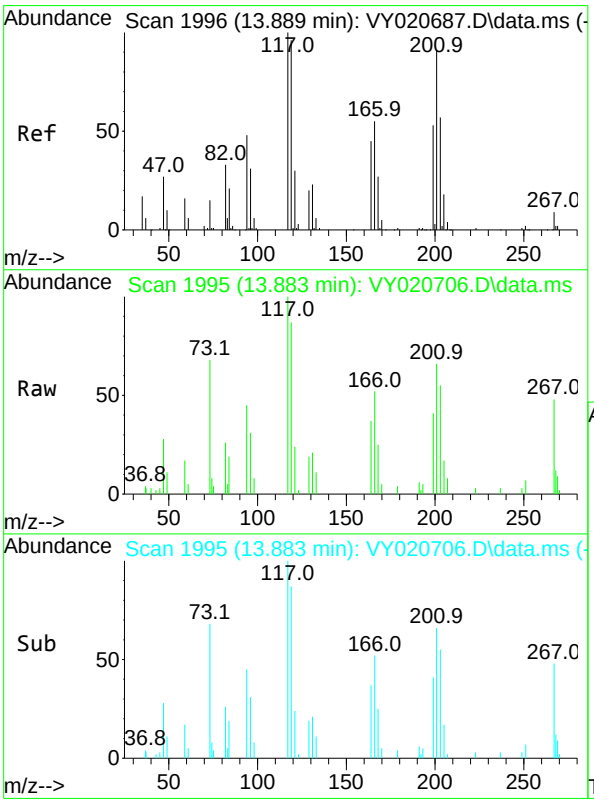
#89
n-Butylbenzene
Concen: 4.359 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 16045

Ion	Ratio	Lower	Upper
91	100		
92	54.1	26.1	78.2
134	28.7	14.8	44.4

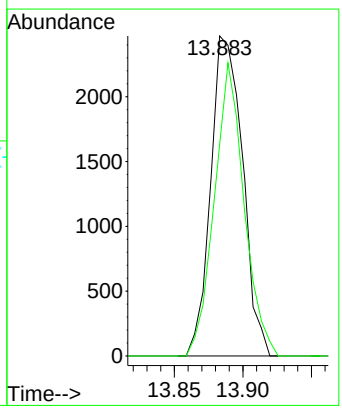


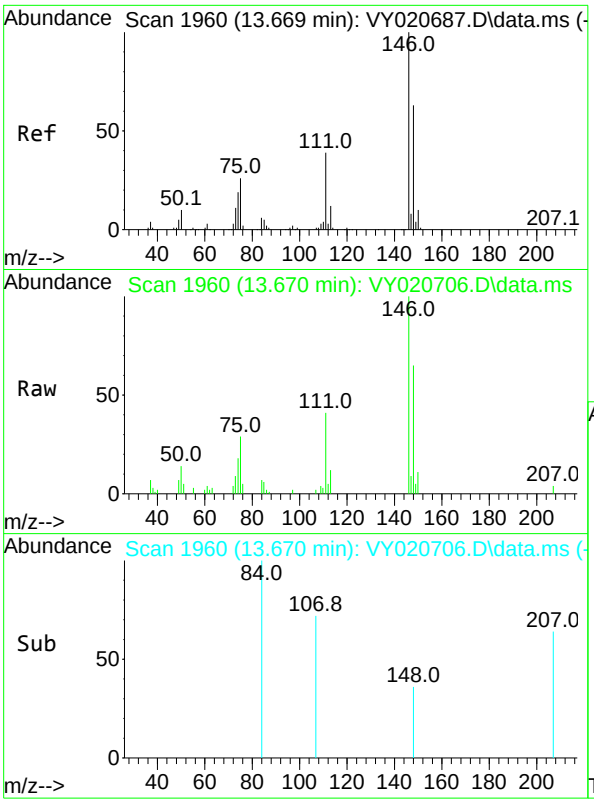


#90
Hexachloroethane
Concen: 4.760 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:117 Resp: 3991

Ion	Ratio	Lower	Upper
117	100		
201	85.4	44.9	134.7



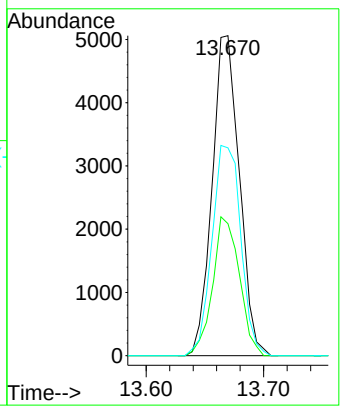


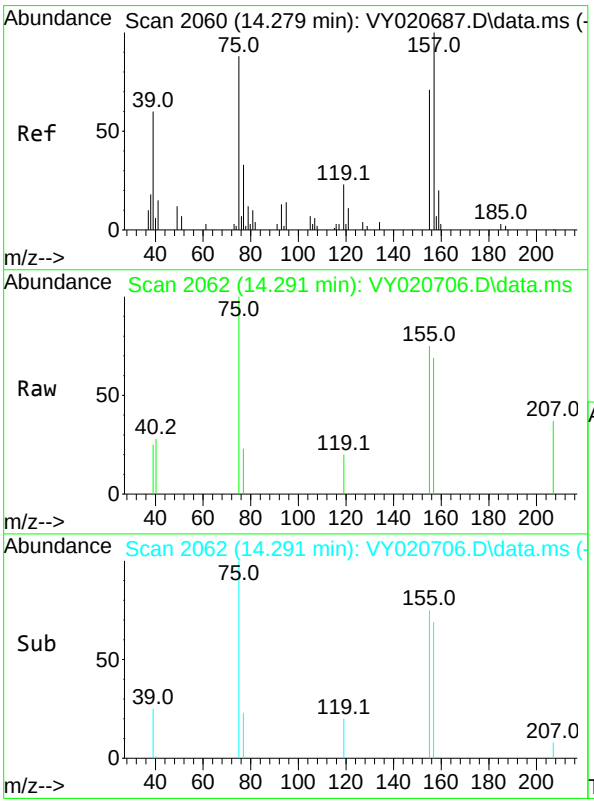
#91
1,2-Dichlorobenzene
Concen: 4.480 ug/l
RT: 13.670 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 8154

Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.3	60.8
148	69.5	31.9	95.5

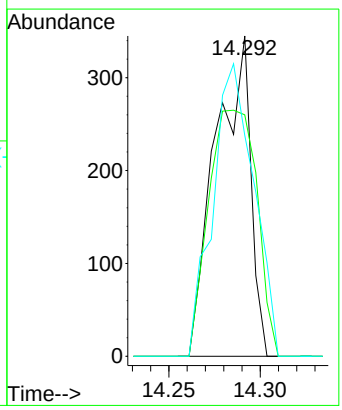


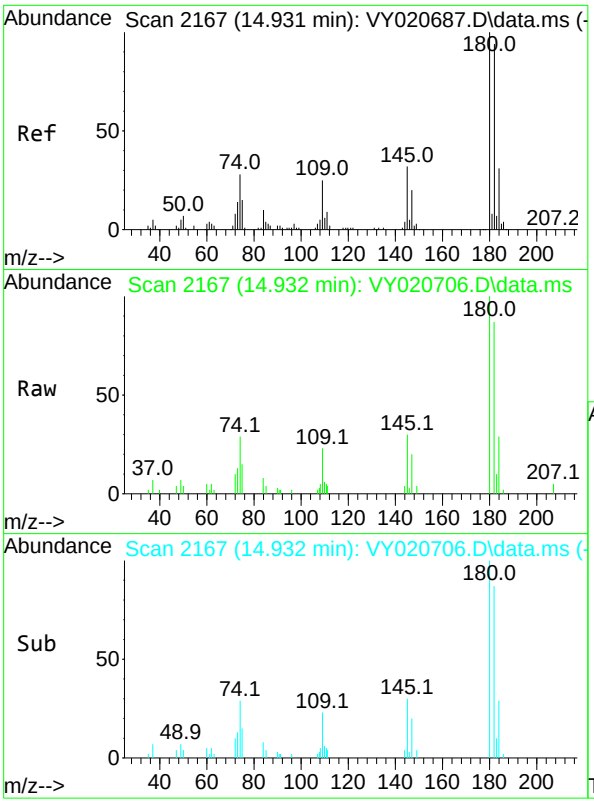


#92
1,2-Dibromo-3-Chloropropane
Concen: 3.921 ug/l
RT: 14.291 min Scan# 2062
Delta R.T. 0.012 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion: 75 Resp: 460

Ion	Ratio	Lower	Upper
75	100		
155	105.7	43.4	130.2
157	107.0	58.6	175.7



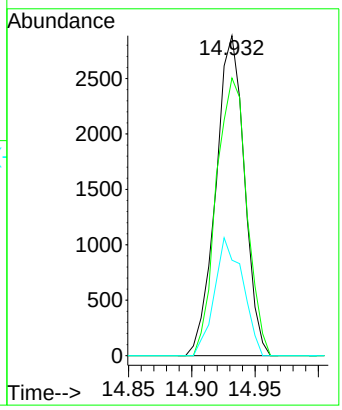


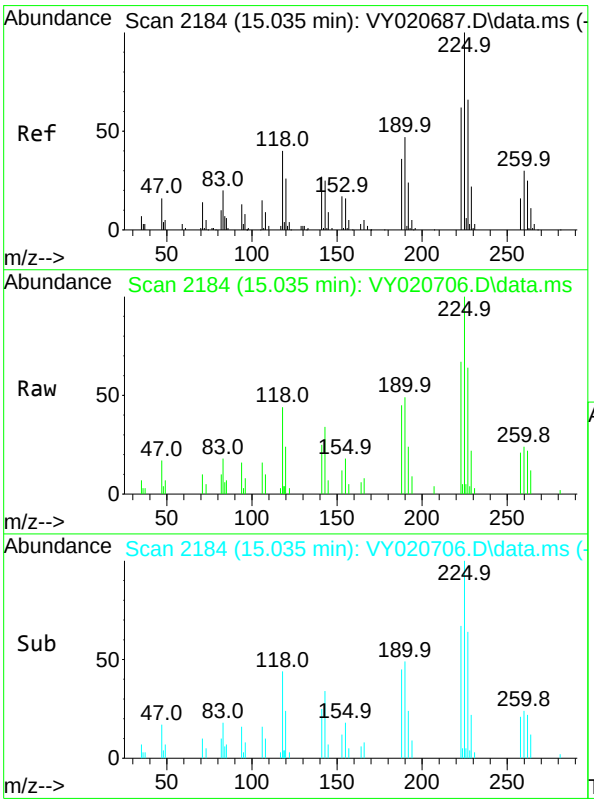
#93
1,2,4-Trichlorobenzene
Concen: 3.920 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.001 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 4536

Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.9	143.7
145	36.4	15.6	46.8

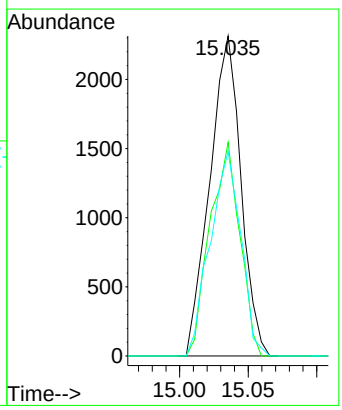


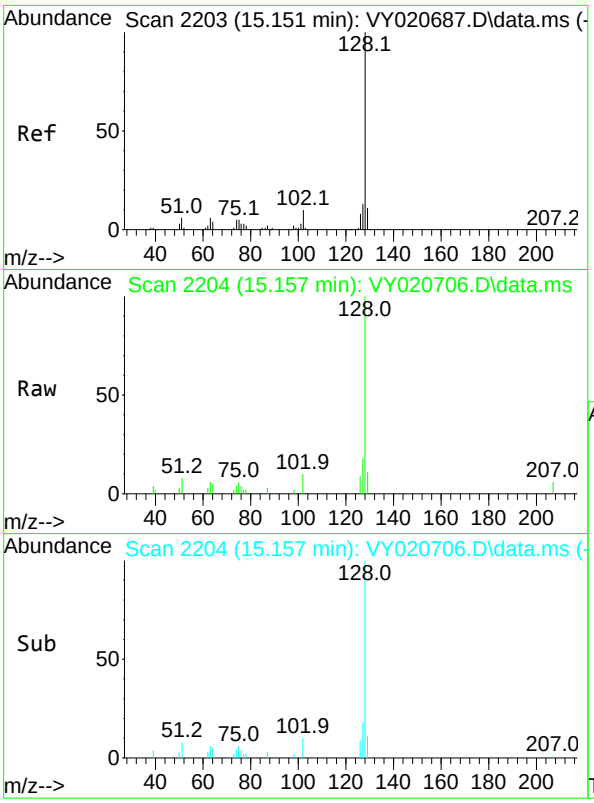


#94
Hexachlorobutadiene
Concen: 4.345 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:225 Resp: 3664

Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.3	93.8
227	63.0	32.1	96.5



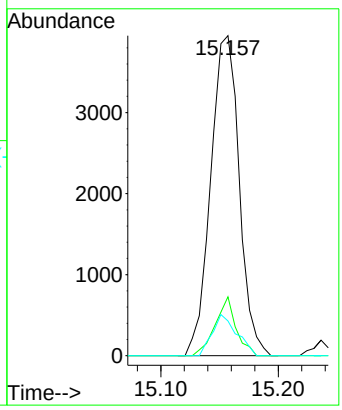


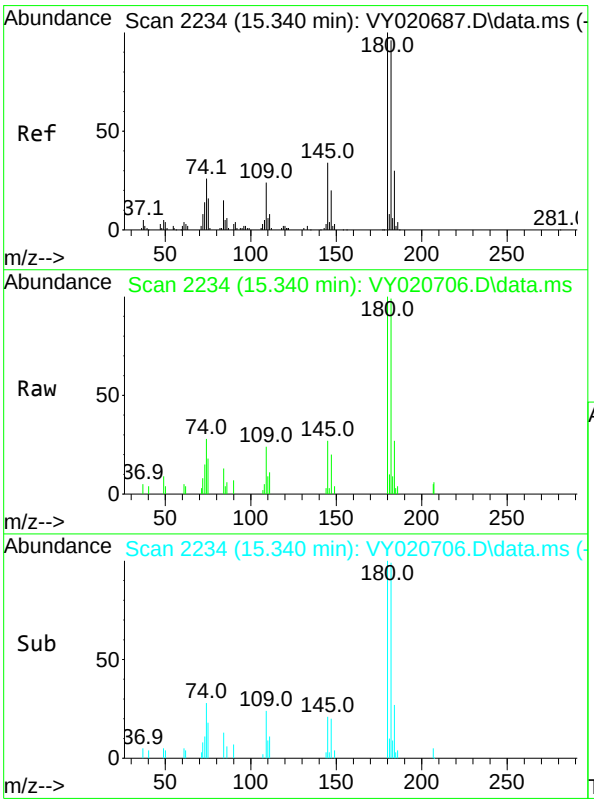
#95
Naphthalene
Concen: 3.599 ug/l
RT: 15.157 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 6669

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	11.1	8.6	12.8

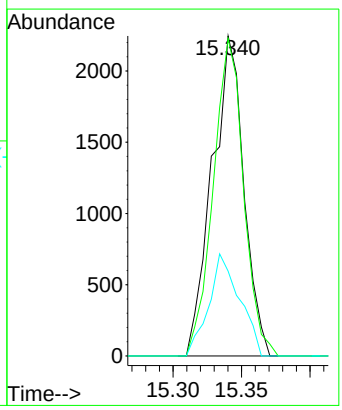




#96
1,2,3-Trichlorobenzene
Concen: 3.753 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.000 min
Lab File: VY020706.D
Acq: 26 Dec 2024 09:31

Tgt Ion:180 Resp: 3615

Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.4	142.2
145	31.0	16.7	50.1



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020707.D
Acq On : 26 Dec 2024 09:53
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Dec 26 16:05:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	113806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	160513	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	134187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	67536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	9148	9.814	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 19.620%#			
35) Dibromofluoromethane	7.646	113	8811	9.966	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 19.940%#			
50) Toluene-d8	10.115	98	28333	9.506	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 19.020%#			
62) 4-Bromofluorobenzene	12.413	95	12144	10.336	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 20.680%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	10304	11.503	ug/l	90
3) Chloromethane	2.080	50	3515	10.521	ug/l	97
4) Vinyl Chloride	2.214	62	4449	10.748	ug/l	97
5) Bromomethane	2.610	94	3397	10.870	ug/l	93
6) Chloroethane	2.751	64	2641	10.636	ug/l	90
7) Trichlorofluoromethane	3.074	101	17447	10.961	ug/l	95
8) Diethyl Ether	3.464	74	3903	10.304	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.830	101	9745	11.152	ug/l	99
10) Methyl Iodide	4.019	142	9549	9.993	ug/l	100
11) Tert butyl alcohol	4.872	59	3641	45.628	ug/l	99
12) 1,1-Dichloroethene	3.811	96	8169	10.503	ug/l	90
13) Acrolein	3.677	56	1325	67.996	ug/l	90
14) Allyl chloride	4.403	41	9677	10.632	ug/l	94
15) Acrylonitrile	5.079	53	7720	52.760	ug/l	94
16) Acetone	3.891	43	7777	65.764	ug/l	90
17) Carbon Disulfide	4.122	76	19437	10.187	ug/l	99
18) Methyl Acetate	4.397	43	3518	10.992	ug/l	95
19) Methyl tert-butyl Ether	5.134	73	22860	10.545	ug/l	97
20) Methylene Chloride	4.640	84	8316	10.812	ug/l #	88
21) trans-1,2-Dichloroethene	5.134	96	8600	10.261	ug/l	98
22) Diisopropyl ether	6.030	45	20110	10.869	ug/l	93
23) Vinyl Acetate	5.976	43	56669	51.276	ug/l	98
24) 1,1-Dichloroethane	5.939	63	15035	10.838	ug/l #	95
25) 2-Butanone	6.914	43	7858	49.191	ug/l	93
26) 2,2-Dichloropropane	6.902	77	18453	10.868	ug/l	96
27) cis-1,2-Dichloroethene	6.908	96	10464	10.425	ug/l	98
28) Bromochloromethane	7.262	49	3437	9.369	ug/l #	92
29) Tetrahydrofuran	7.274	42	5125	52.267	ug/l	99
30) Chloroform	7.433	83	18692	10.474	ug/l	88
31) Cyclohexane	7.719	56	13258	11.072	ug/l #	92
32) 1,1,1-Trichloroethane	7.634	97	20406	10.668	ug/l	98
36) 1,1-Dichloropropene	7.847	75	12601	10.790	ug/l	98
37) Ethyl Acetate	6.994	43	3547	9.217	ug/l	100
38) Carbon Tetrachloride	7.829	117	20683	10.755	ug/l	94
39) Methylcyclohexane	9.115	83	15497	10.353	ug/l	95
40) Benzene	8.091	78	35447	10.473	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020707.D
Acq On : 26 Dec 2024 09:53
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Dec 26 16:05:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	1876	9.650	ug/l	#	68
42) 1,2-Dichloroethane	8.170	62	11313	10.424	ug/l		99
43) Isopropyl Acetate	8.207	43	7905	9.664	ug/l	#	87
44) Trichloroethene	8.878	130	10790	10.673	ug/l		96
45) 1,2-Dichloropropane	9.146	63	7377	10.767	ug/l		91
46) Dibromomethane	9.237	93	4900	10.336	ug/l		94
47) Bromodichloromethane	9.432	83	14245	10.599	ug/l		98
48) Methyl methacrylate	9.231	41	3827	10.018	ug/l		94
49) 1,4-Dioxane	9.243	88	924	204.624	ug/l		90
51) 4-Methyl-2-Pentanone	10.005	43	19722	49.951	ug/l		99
52) Toluene	10.176	92	24111	10.393	ug/l		98
53) t-1,3-Dichloropropene	10.402	75	11736	9.942	ug/l		98
54) cis-1,3-Dichloropropene	9.865	75	13095	10.121	ug/l		97
55) 1,1,2-Trichloroethane	10.578	97	5992	9.902	ug/l		94
56) Ethyl methacrylate	10.444	69	7986	10.046	ug/l		96
57) 1,3-Dichloropropane	10.725	76	9956	10.137	ug/l		96
58) 2-Chloroethyl Vinyl ether	9.719	63	12740	45.957	ug/l		97
59) 2-Hexanone	10.767	43	12416	47.628	ug/l		100
60) Dibromochloromethane	10.920	129	10320	10.554	ug/l		96
61) 1,2-Dibromoethane	11.023	107	5732	10.067	ug/l		97
64) Tetrachloroethene	10.658	164	9654	10.530	ug/l		93
65) Chlorobenzene	11.450	112	28012	10.661	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.523	131	10891	10.699	ug/l		99
67) Ethyl Benzene	11.529	91	48565	10.575	ug/l		97
68) m/p-Xylenes	11.639	106	37110	21.184	ug/l		99
69) o-Xylene	11.962	106	17878	10.682	ug/l		99
70) Styrene	11.975	104	28883	10.280	ug/l		99
71) Bromoform	12.133	173	6103	10.428	ug/l	#	98
73) Isopropylbenzene	12.261	105	51343	10.973	ug/l		99
74) N-amyl acetate	12.078	43	6525	9.813	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.511	83	5918	9.866	ug/l		94
76) 1,2,3-Trichloropropane	12.566	75	9219	17.305	ug/l	#	100
77) Bromobenzene	12.541	156	11164	10.365	ug/l		94
78) n-propylbenzene	12.602	91	57154	10.898	ug/l		100
79) 2-Chlorotoluene	12.688	91	32123	10.745	ug/l		98
80) 1,3,5-Trimethylbenzene	12.743	105	41891	10.746	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	2060	9.480	ug/l		92
82) 4-Chlorotoluene	12.785	91	32918	10.654	ug/l		100
83) tert-Butylbenzene	13.005	119	39005	10.714	ug/l		100
84) 1,2,4-Trimethylbenzene	13.054	105	39791	10.489	ug/l		96
85) sec-Butylbenzene	13.182	105	52410	10.682	ug/l		97
86) p-Isopropyltoluene	13.297	119	47106	10.773	ug/l		99
87) 1,3-Dichlorobenzene	13.297	146	22556	10.715	ug/l		99
88) 1,4-Dichlorobenzene	13.377	146	21947	10.480	ug/l		96
89) n-Butylbenzene	13.627	91	39091	10.710	ug/l		99
90) Hexachloroethane	13.889	117	8880	10.680	ug/l		99
91) 1,2-Dichlorobenzene	13.663	146	18554	10.279	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.285	75	1198	10.298	ug/l		98
93) 1,2,4-Trichlorobenzene	14.931	180	11153	9.721	ug/l		97
94) Hexachlorobutadiene	15.035	225	8808	10.534	ug/l		98
95) Naphthalene	15.151	128	16857	9.174	ug/l		98
96) 1,2,3-Trichlorobenzene	15.340	180	9155	9.584	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020707.D
Acq On : 26 Dec 2024 09:53
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Dec 26 16:05:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

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

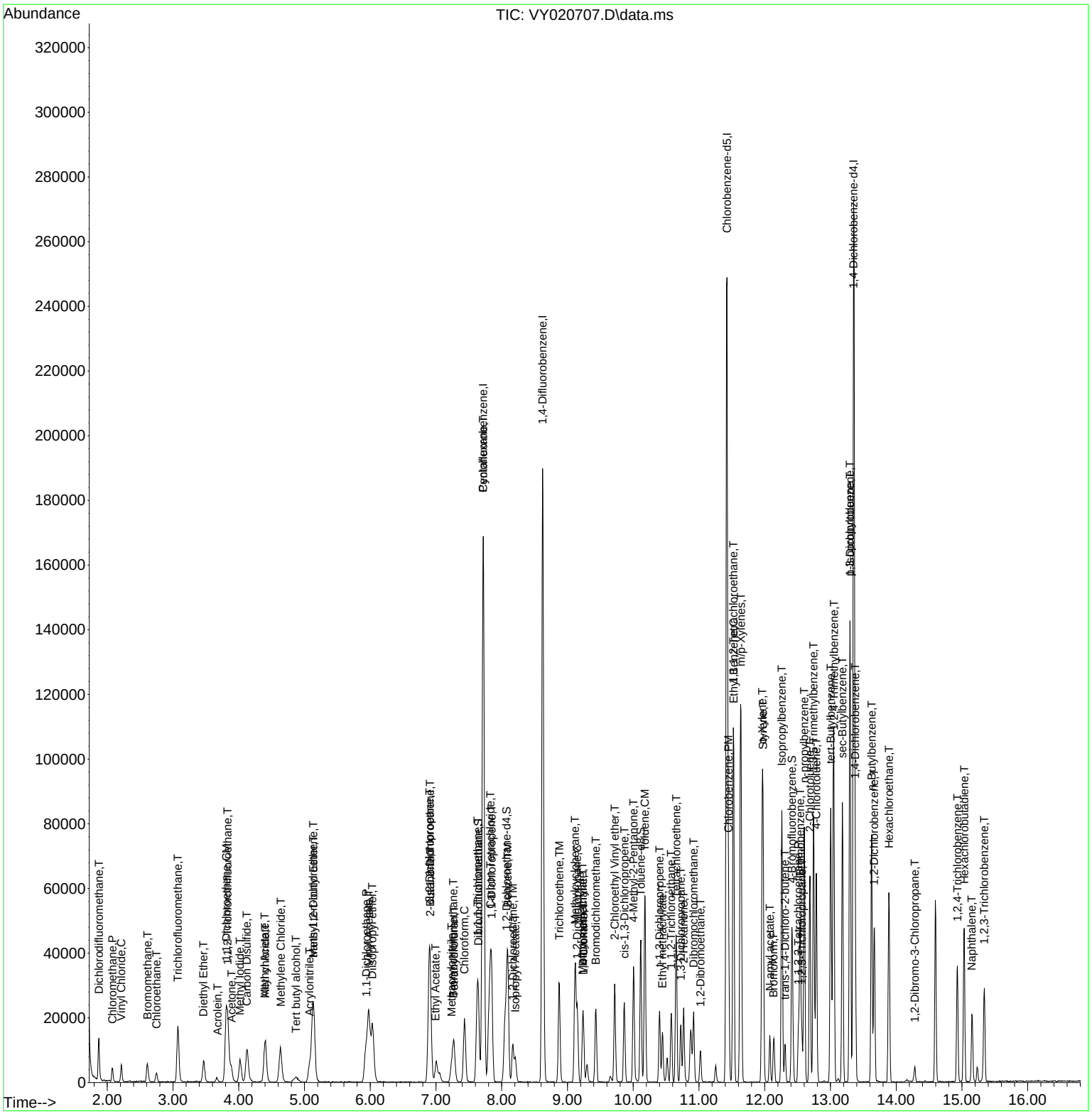
(#) = qualifier out of range (m) = manual integration (+) = signals summed

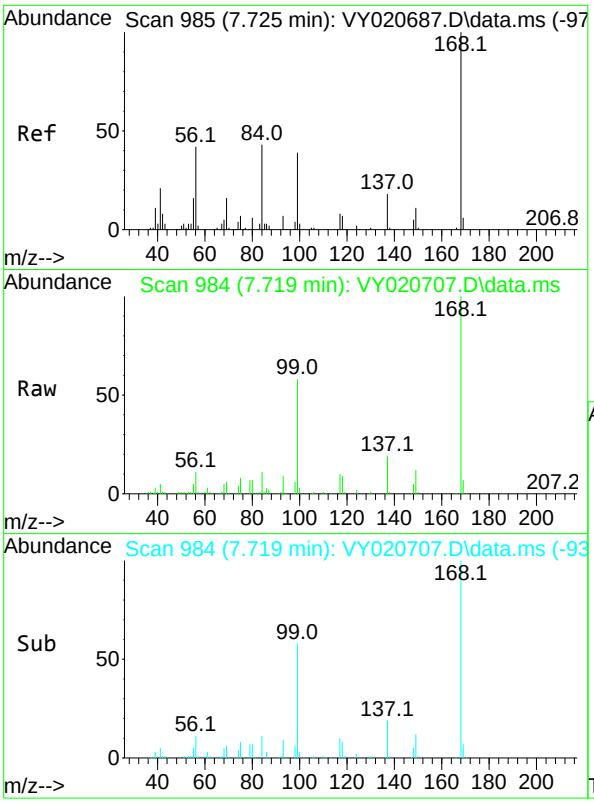
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020707.D
Acq On : 26 Dec 2024 09:53
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Dec 26 16:05:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration



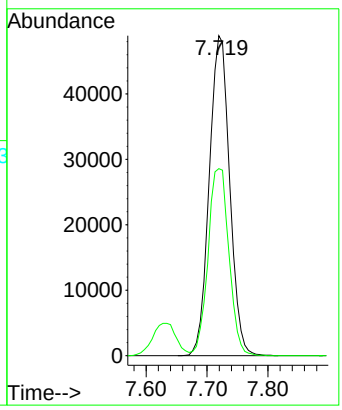


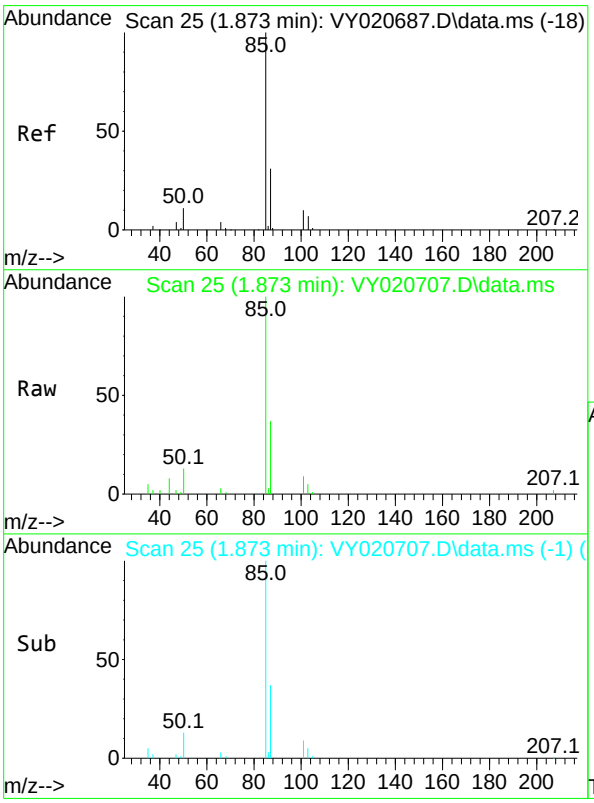
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 113806

Ion	Ratio	Lower	Upper
168	100		
99	58.5	43.8	65.6

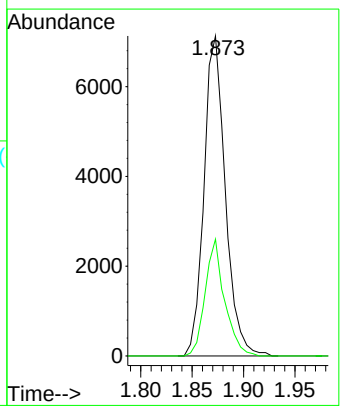


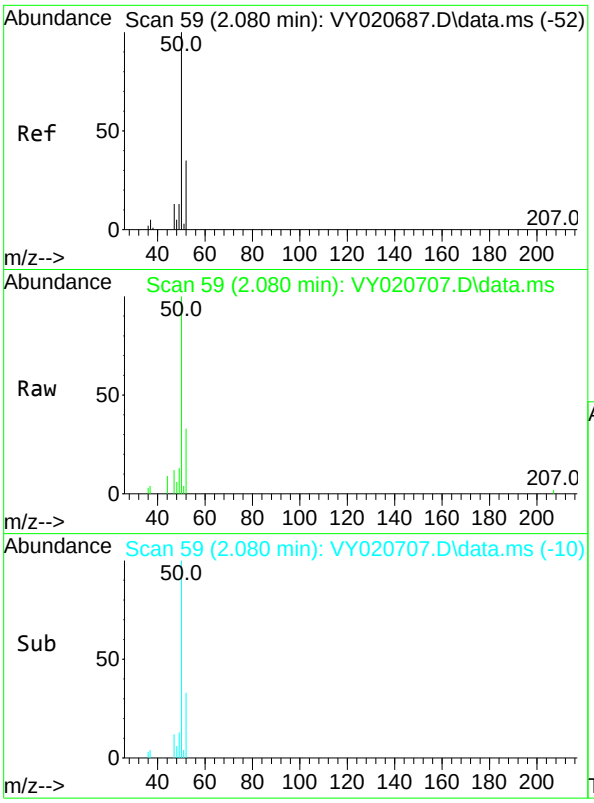


#2
Dichlorodifluoromethane
Concen: 11.503 ug/l
RT: 1.873 min Scan# 25
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 85 Resp: 10304

Ion	Ratio	Lower	Upper
85	100		
87	36.5	15.4	46.4



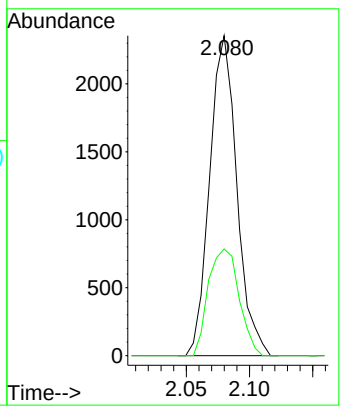


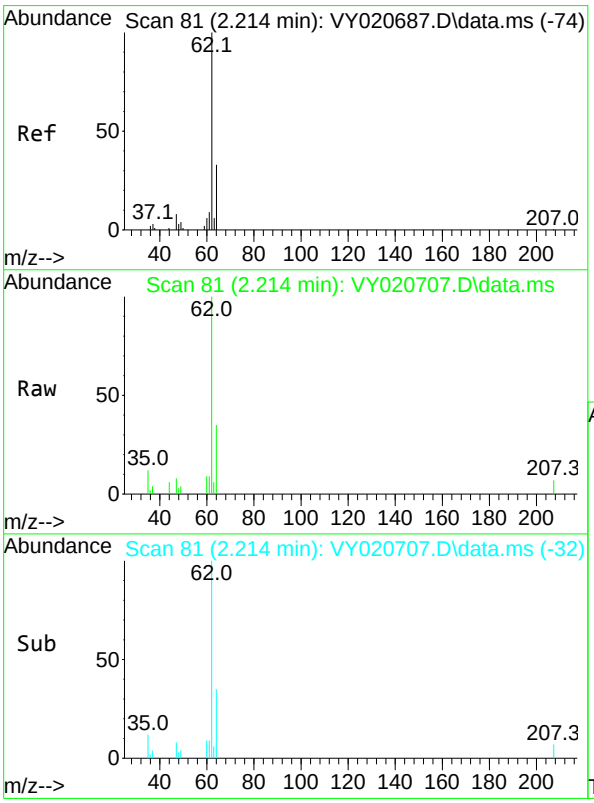
#3
Chloromethane
Concen: 10.521 ug/l
RT: 2.080 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 3515

Ion	Ratio	Lower	Upper
50	100		
52	33.3	28.2	42.2

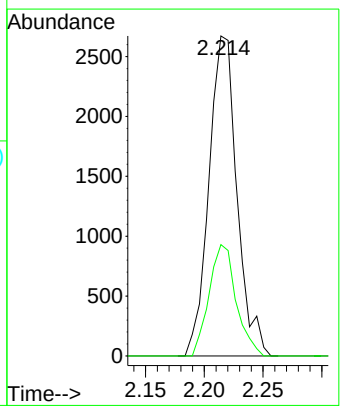


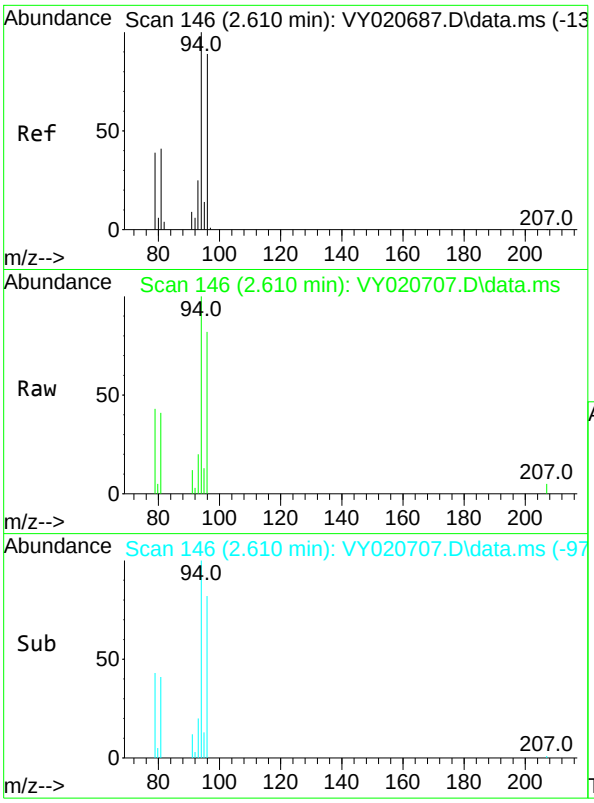


#4
Vinyl Chloride
Concen: 10.748 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 62 Resp: 4449

Ion	Ratio	Lower	Upper
62	100		
64	34.8	26.6	40.0



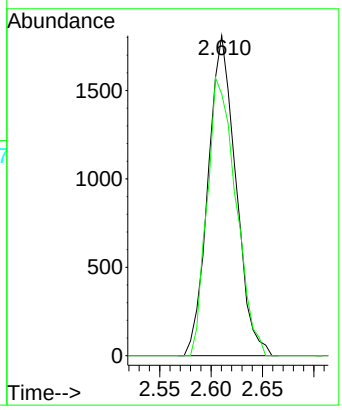


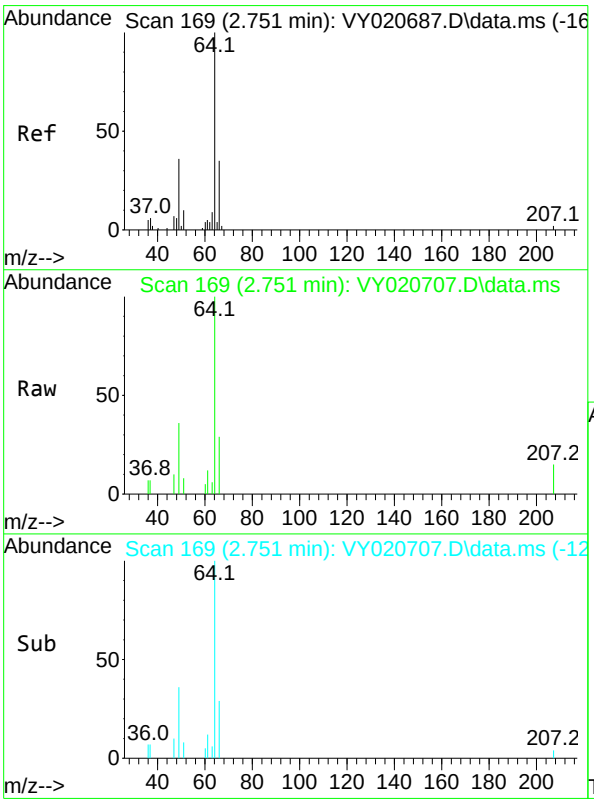
#5
Bromomethane
Concen: 10.870 ug/l
RT: 2.610 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 3397

Ion	Ratio	Lower	Upper
94	100		
96	81.8	71.0	106.6

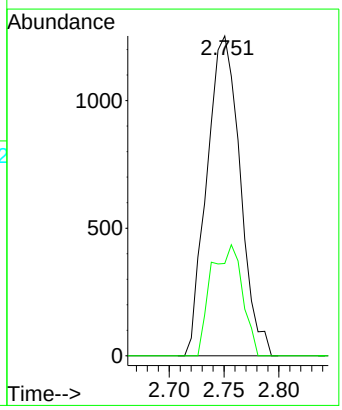


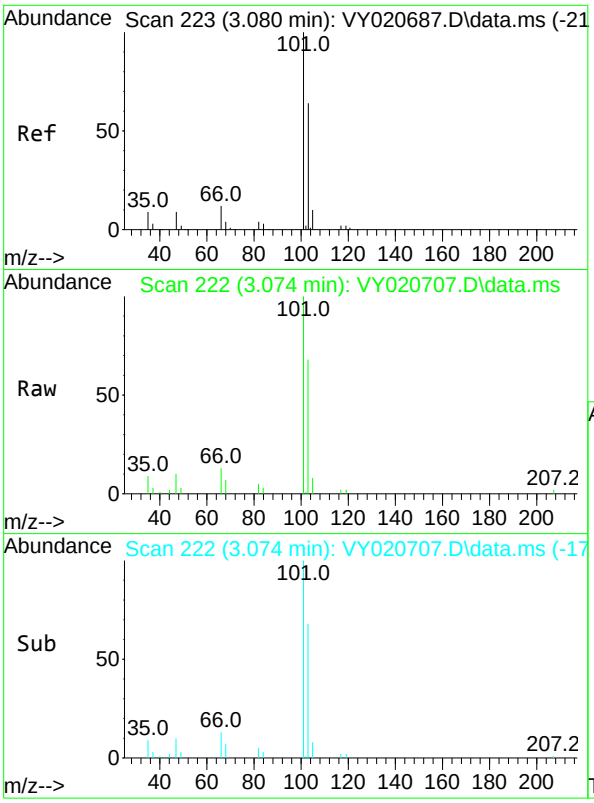


#6
Chloroethane
Concen: 10.636 ug/l
RT: 2.751 min Scan# 169
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 64 Resp: 2641

Ion	Ratio	Lower	Upper
64	100		
66	28.9	27.8	41.8



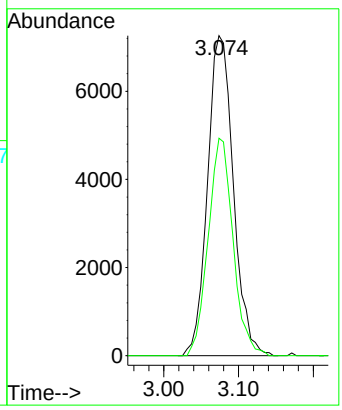


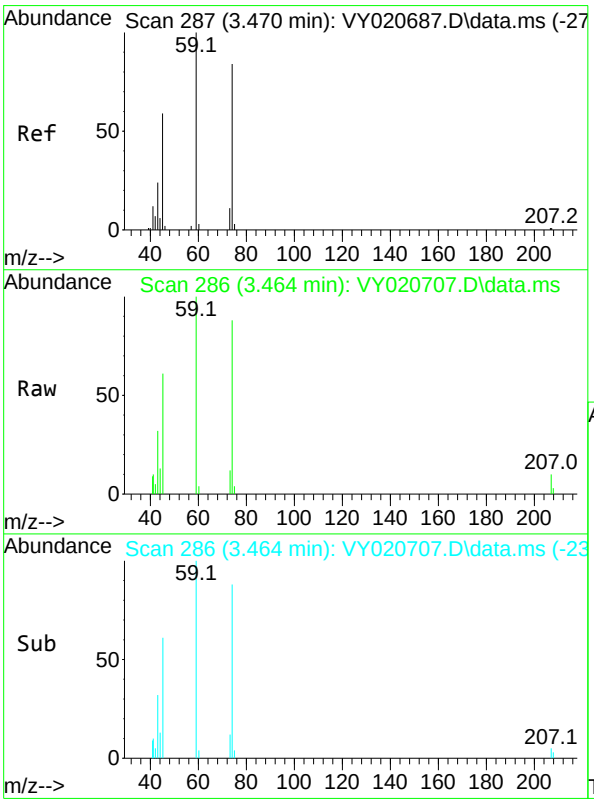
#7
Trichlorofluoromethane
Concen: 10.961 ug/l
RT: 3.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 17447

Ion	Ratio	Lower	Upper
101	100		
103	67.9	51.4	77.0

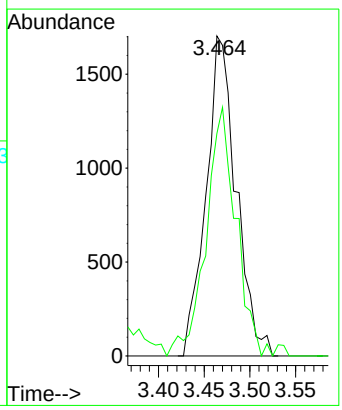


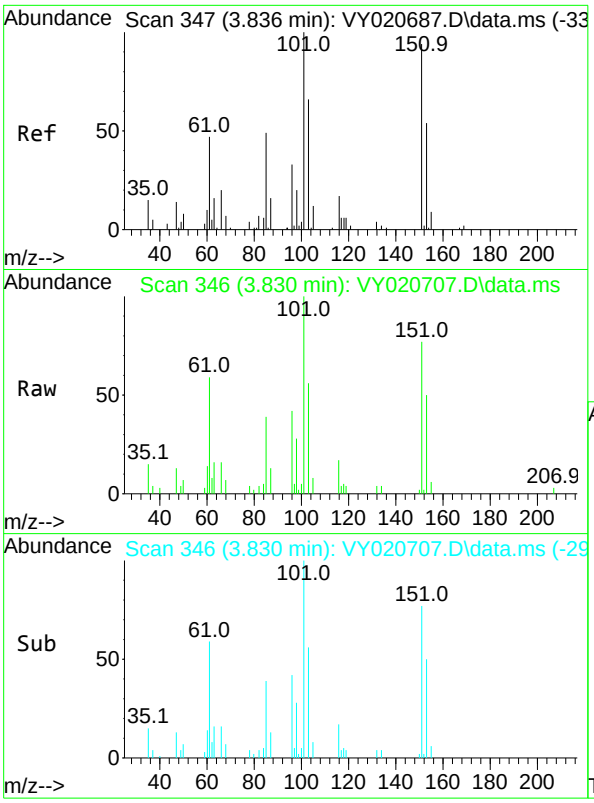


#8
Diethyl Ether
Concen: 10.304 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 74 Resp: 3903

Ion	Ratio	Lower	Upper
74	100		
45	77.2	35.8	107.4



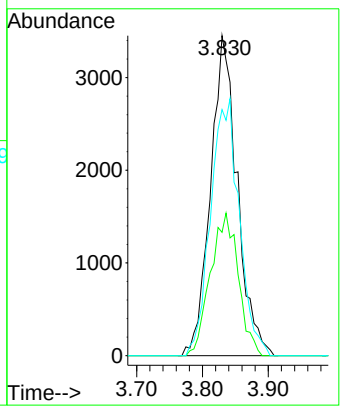


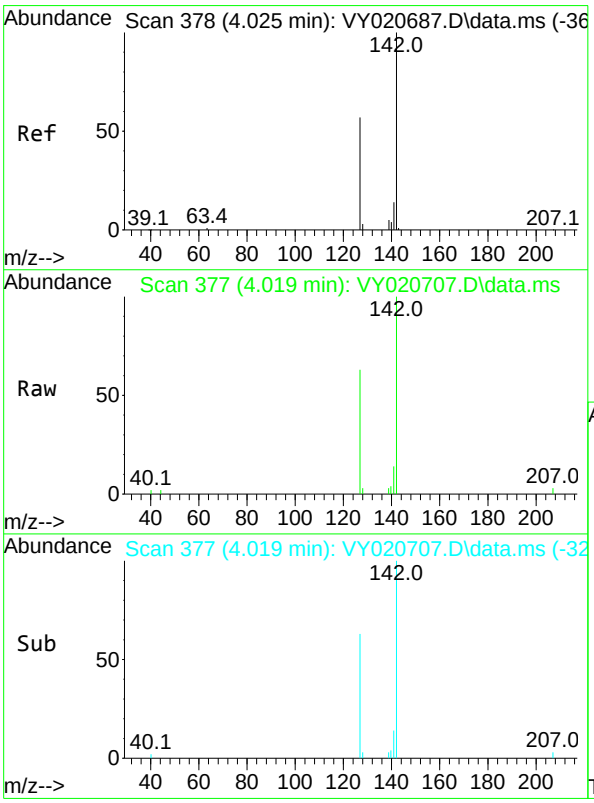
#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.152 ug/l
RT: 3.830 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 9745

Ion	Ratio	Lower	Upper
101	100		
85	46.4	38.2	57.2
151	86.1	68.4	102.6

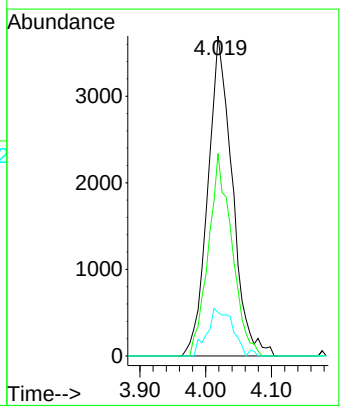


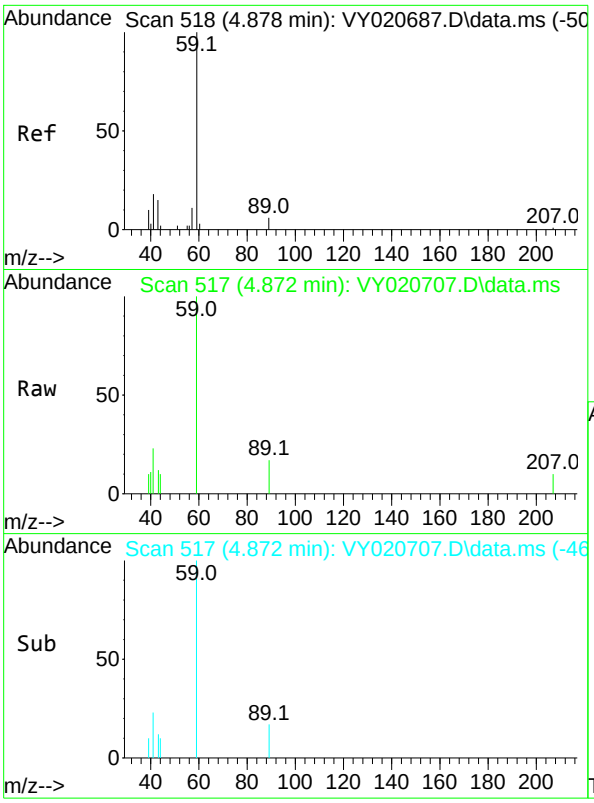


#10
Methyl Iodide
Concen: 9.993 ug/l
RT: 4.019 min Scan# 377
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:142 Resp: 9549

Ion	Ratio	Lower	Upper
142	100		
127	60.9	48.8	73.2
141	15.6	11.9	17.9



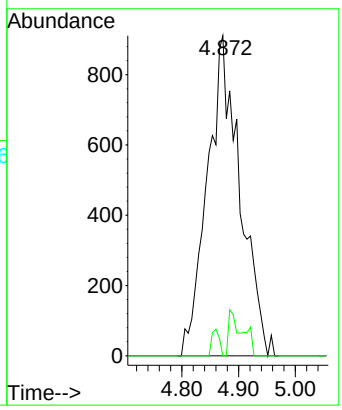


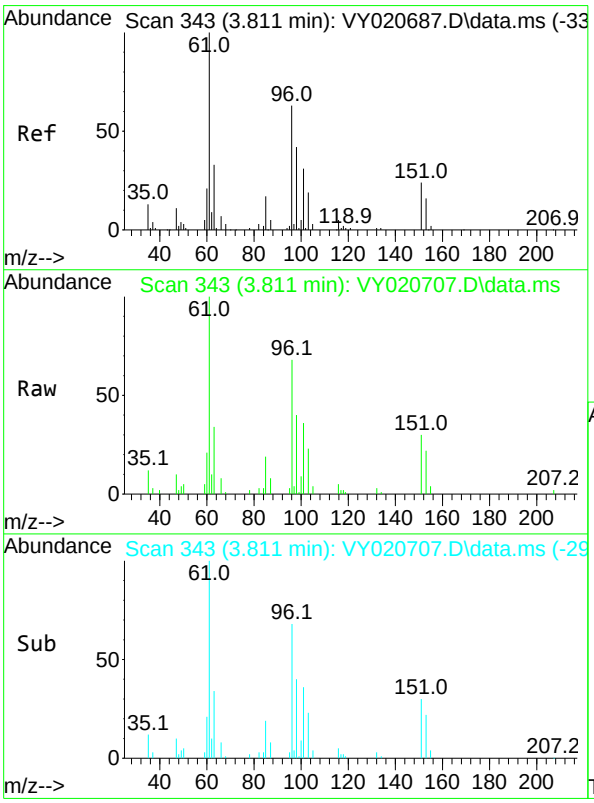
#11
Tert butyl alcohol
Concen: 45.628 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 59 Resp: 3641

Ion	Ratio	Lower	Upper
59	100		
57	3.8	2.8	4.2

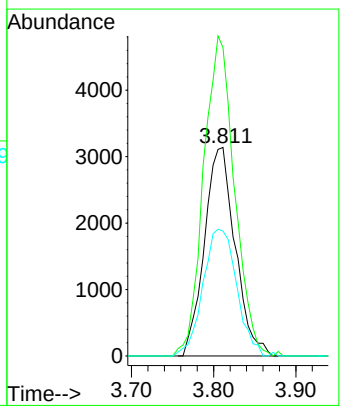


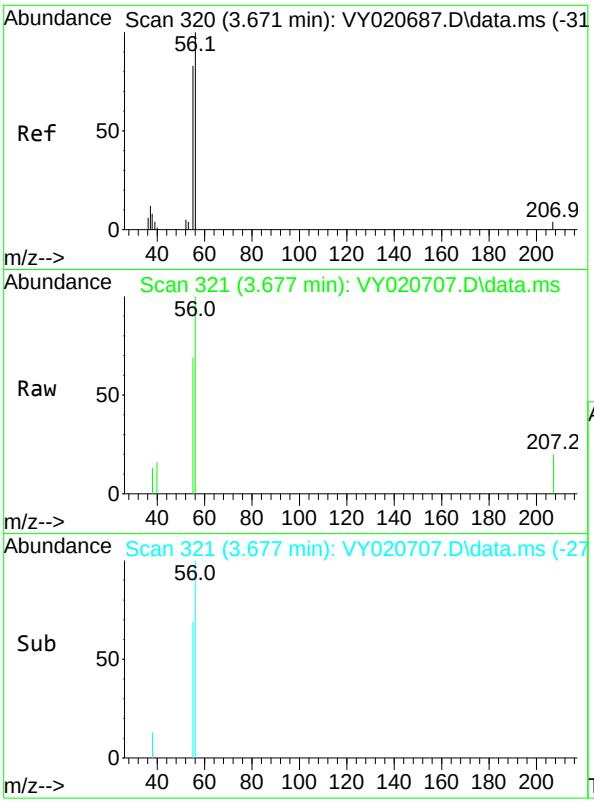


#12
1,1-Dichloroethene
Concen: 10.503 ug/l
RT: 3.811 min Scan# 343
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 96 Resp: 8169

Ion	Ratio	Lower	Upper
96	100		
61	145.8	127.1	190.7
98	59.8	53.4	80.0



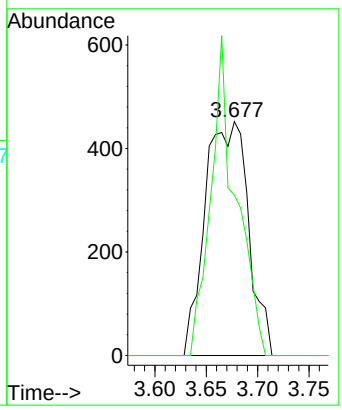


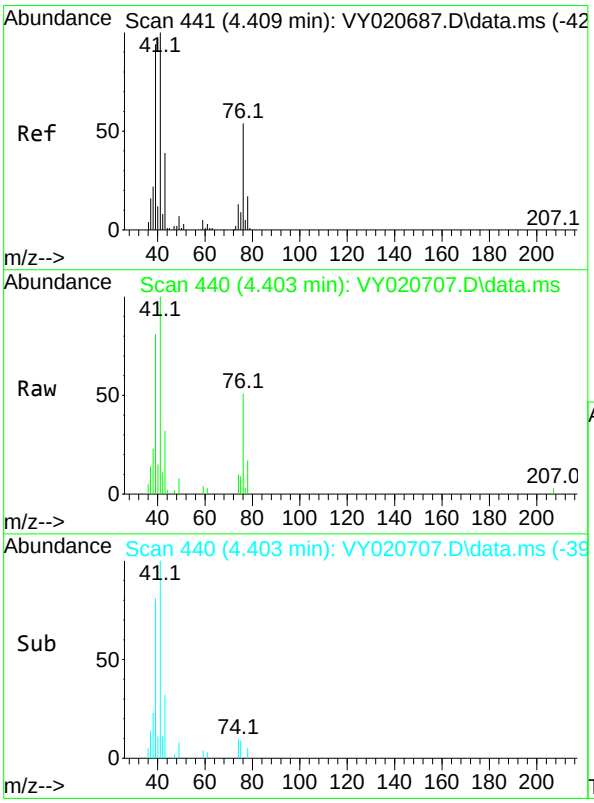
#13
Acrolein
Concen: 67.996 ug/l
RT: 3.677 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 1325

Ion	Ratio	Lower	Upper
56	100		
55	79.7	57.0	85.4

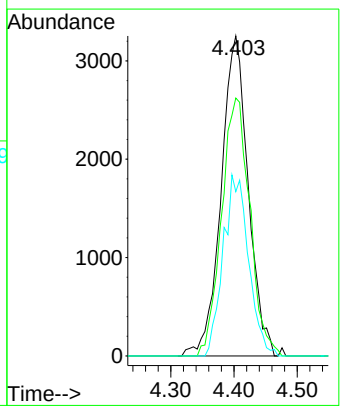


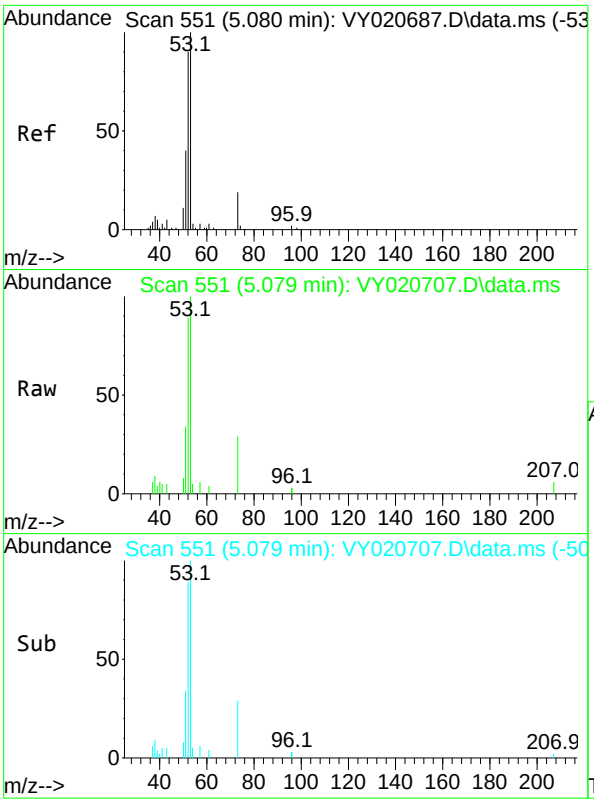


#14
Allyl chloride
Concen: 10.632 ug/l
RT: 4.403 min Scan# 440
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 41 Resp: 9677

Ion	Ratio	Lower	Upper
41	100		
39	84.1	73.5	110.3
76	52.9	41.8	62.8



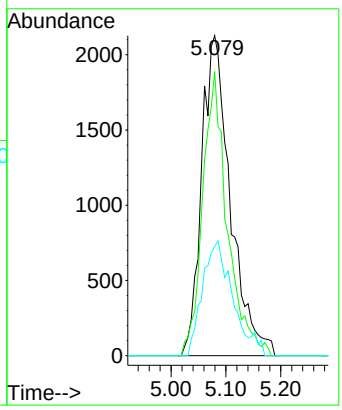


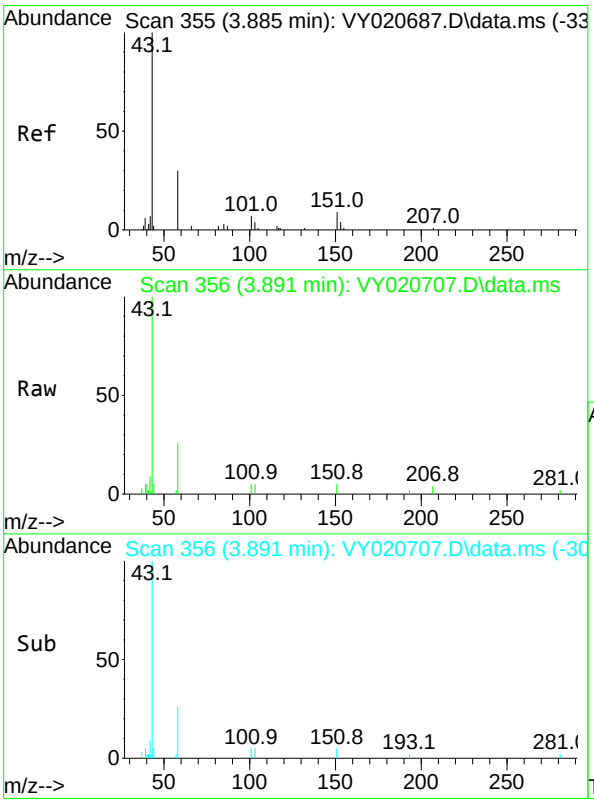
#15
Acrylonitrile
Concen: 52.760 ug/l
RT: 5.079 min Scan# 5
Delta R.T. -0.001 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 53 Resp: 7720

Ion	Ratio	Lower	Upper
53	100		
52	76.3	67.1	100.7
51	38.0	31.4	47.0

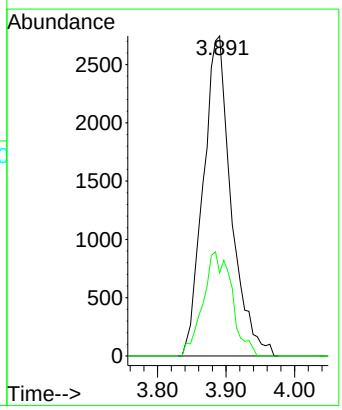


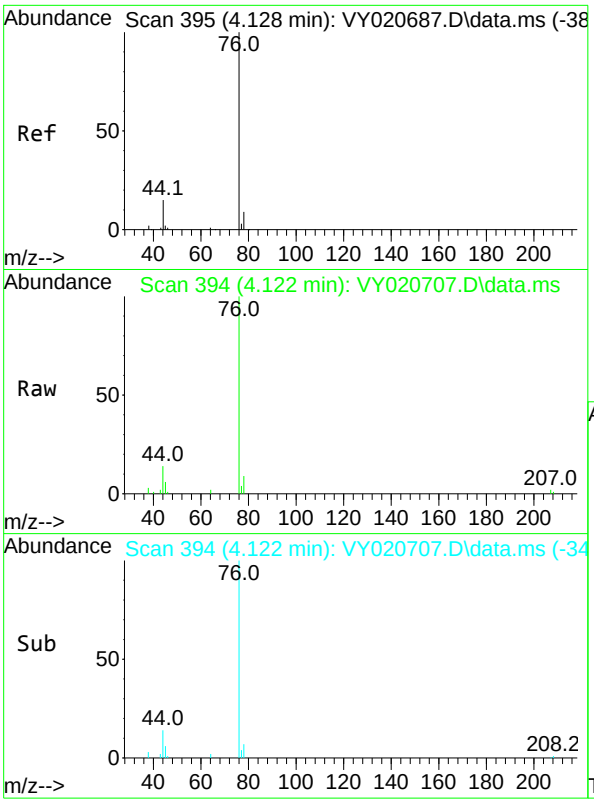


#16
Acetone
Concen: 65.764 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 43 Resp: 7777

Ion	Ratio	Lower	Upper
43	100		
58	26.0	25.0	37.6



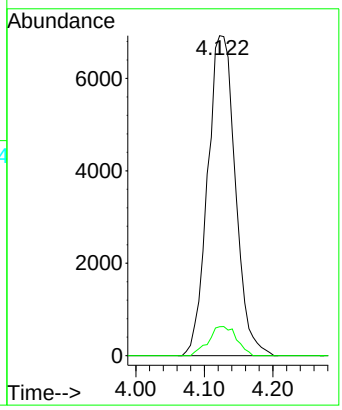


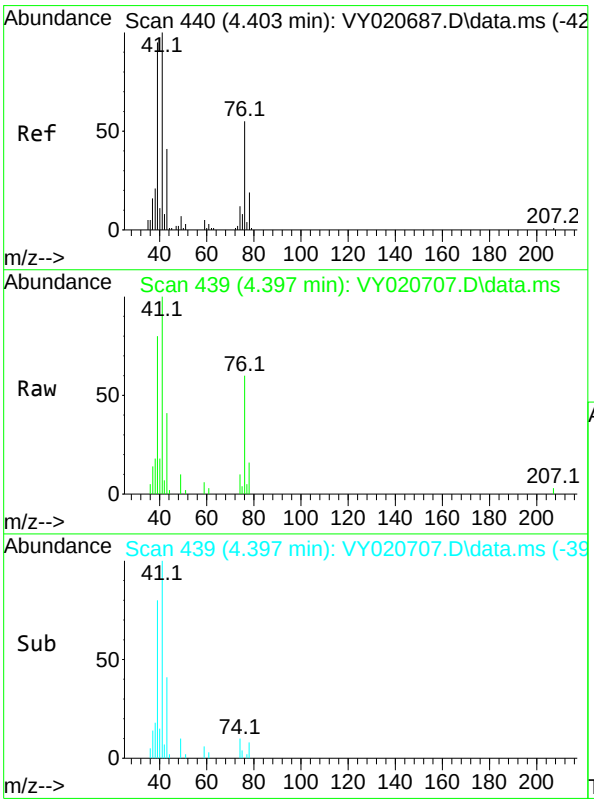
#17
Carbon Disulfide
Concen: 10.187 ug/l
RT: 4.122 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 19437

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.9	10.3

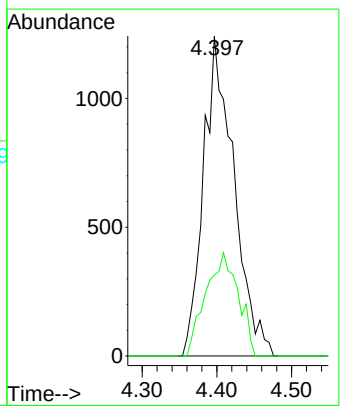


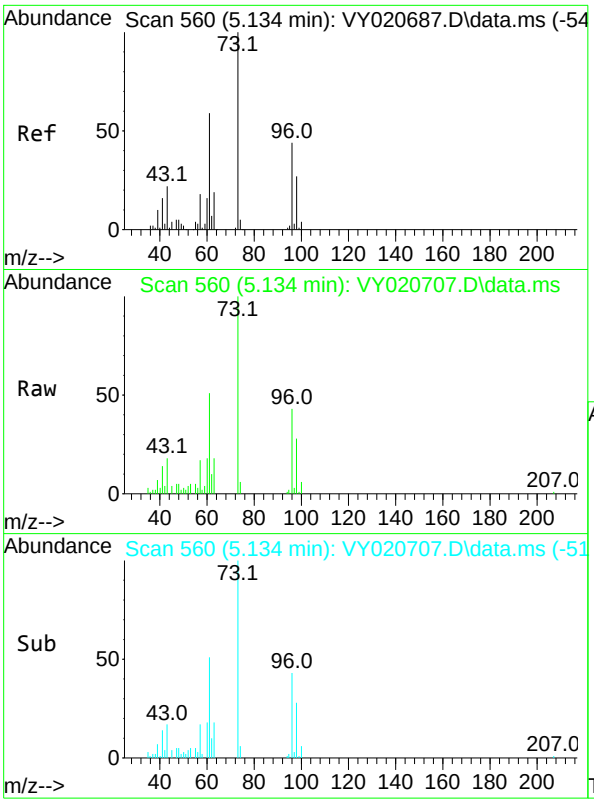


#18
Methyl Acetate
Concen: 10.992 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 43 Resp: 3518

Ion	Ratio	Lower	Upper
43	100		
74	34.4	25.3	37.9



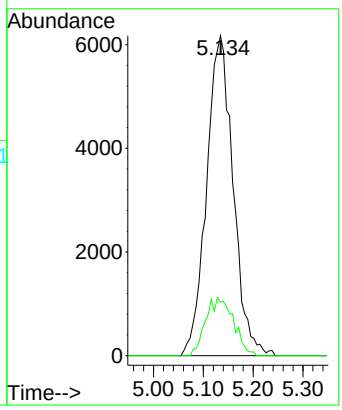


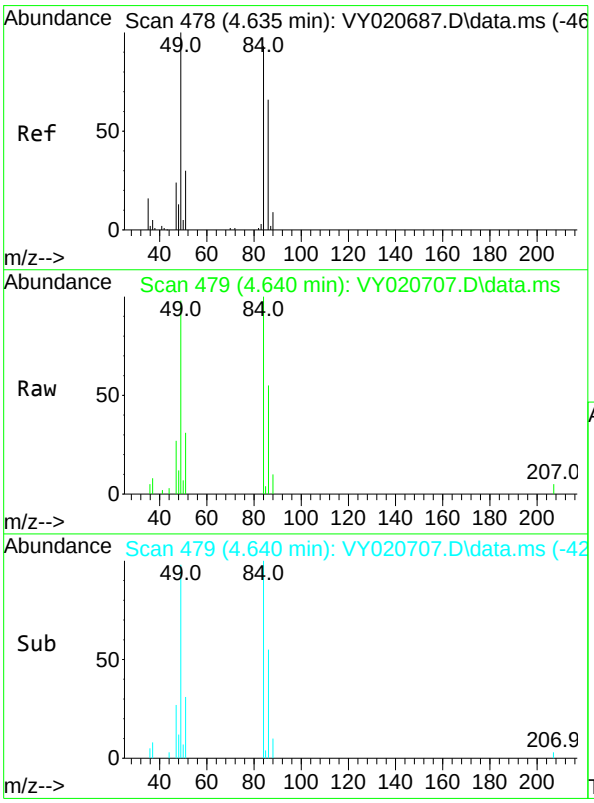
#19
Methyl tert-butyl Ether
Concen: 10.545 ug/l
RT: 5.134 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 22860

Ion	Ratio	Lower	Upper
73	100		
57	16.7	14.4	21.6

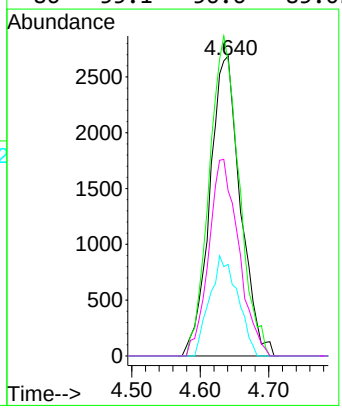


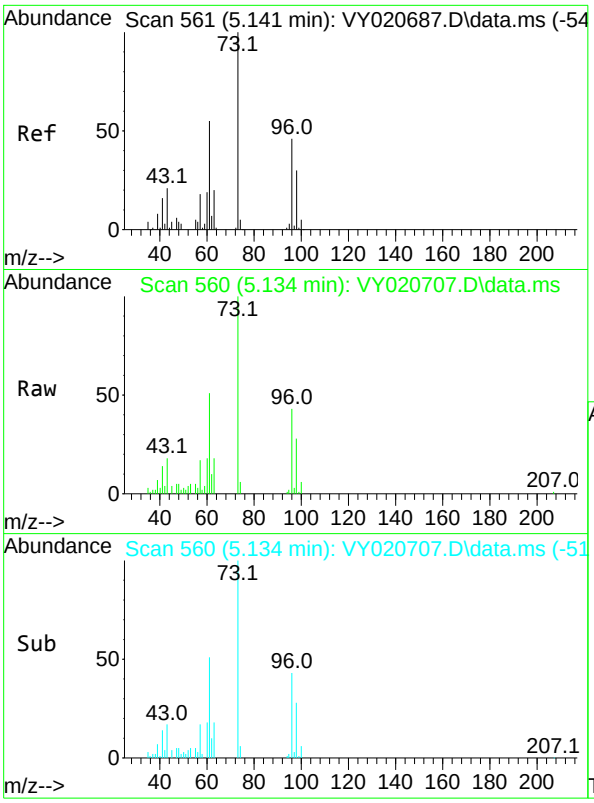


#20
Methylene Chloride
Concen: 10.812 ug/l
RT: 4.640 min Scan# 479
Delta R.T. 0.005 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 84 Resp: 8316

Ion	Ratio	Lower	Upper
84	100		
49	98.3	86.4	129.6
51	30.5	25.5	38.3
86	55.1	56.6	85.0#



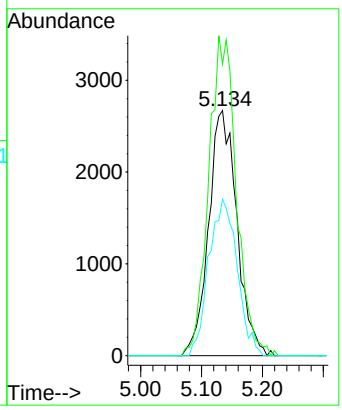


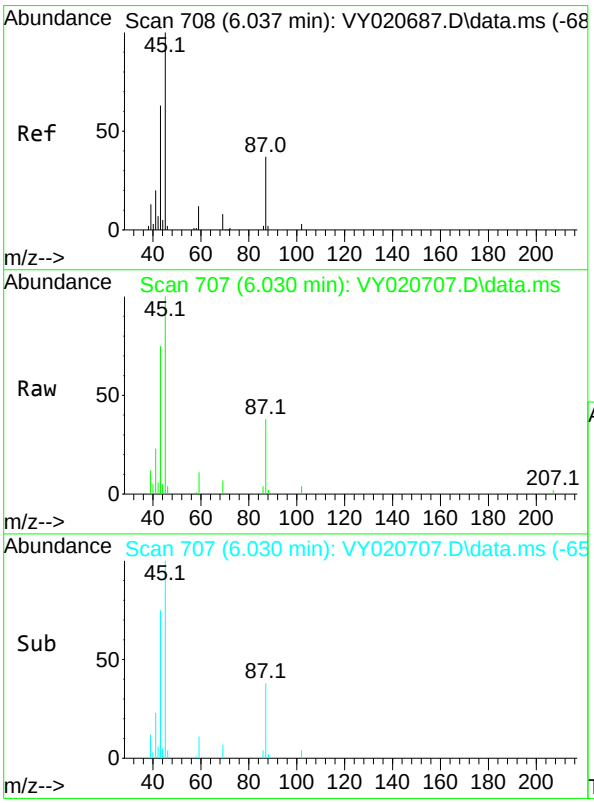
#21
trans-1,2-Dichloroethene
Concen: 10.261 ug/l
RT: 5.134 min Scan# 5
Delta R.T. -0.007 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 8600

Ion	Ratio	Lower	Upper
96	100		
61	118.9	96.1	144.1
98	63.8	52.7	79.1

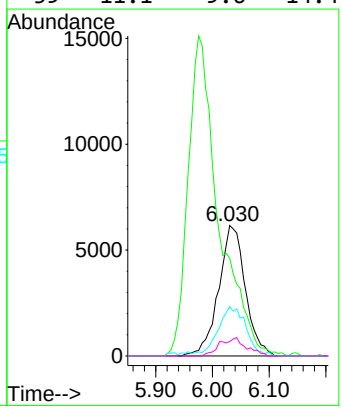


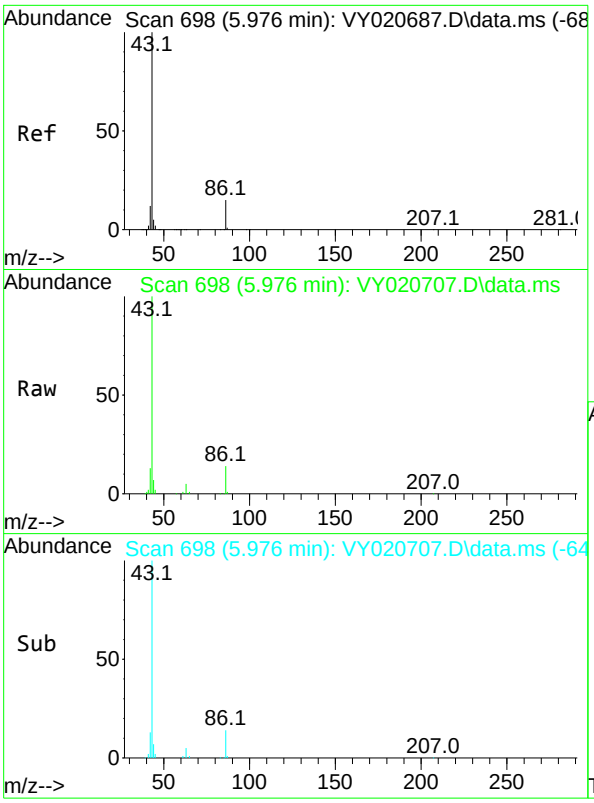


#22
Diisopropyl ether
Concen: 10.869 ug/l
RT: 6.030 min Scan# 707
Delta R.T. -0.007 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 45 Resp: 20110

Ion	Ratio	Lower	Upper
45	100		
43	73.2	51.3	76.9
87	37.8	30.6	46.0
59	11.1	9.6	14.4



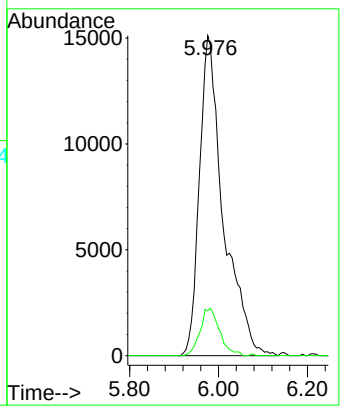


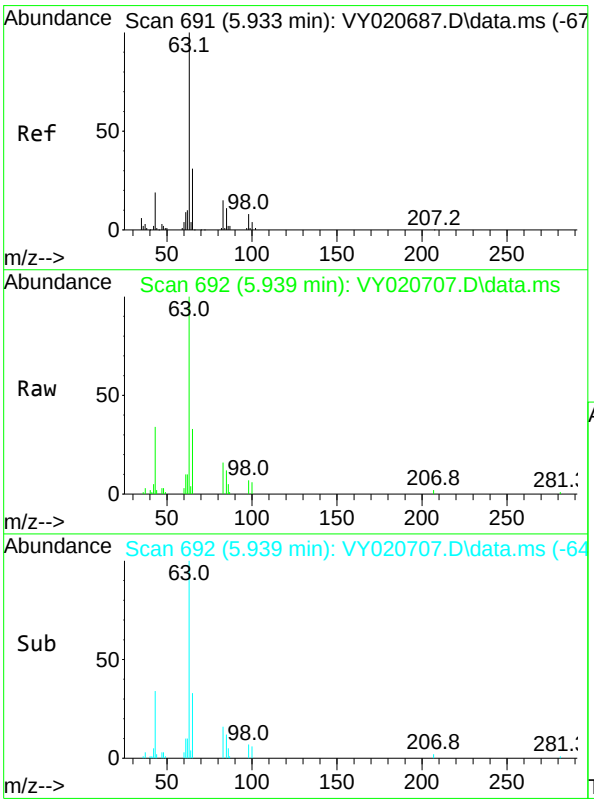
#23
Vinyl Acetate
Concen: 51.276 ug/l
RT: 5.976 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 56669

Ion	Ratio	Lower	Upper
43	100		
86	14.0	12.0	18.0

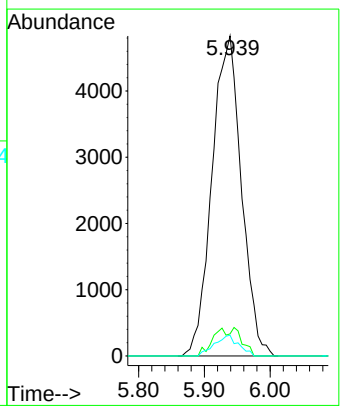


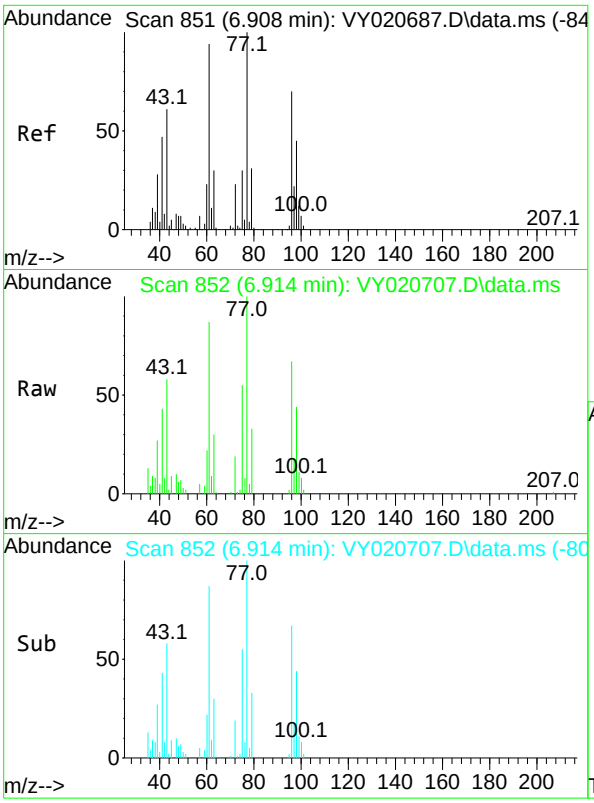


#24
1,1-Dichloroethane
Concen: 10.838 ug/l
RT: 5.939 min Scan# 692
Delta R.T. 0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 63 Resp: 15035

Ion	Ratio	Lower	Upper
63	100		
98	6.9	4.0	12.0
100	6.5	2.1	6.2#



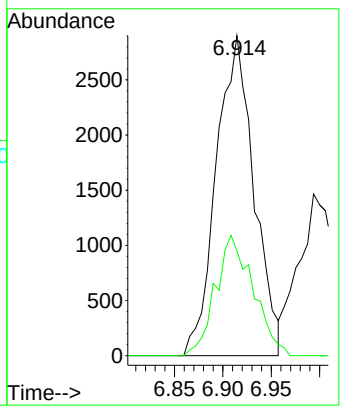


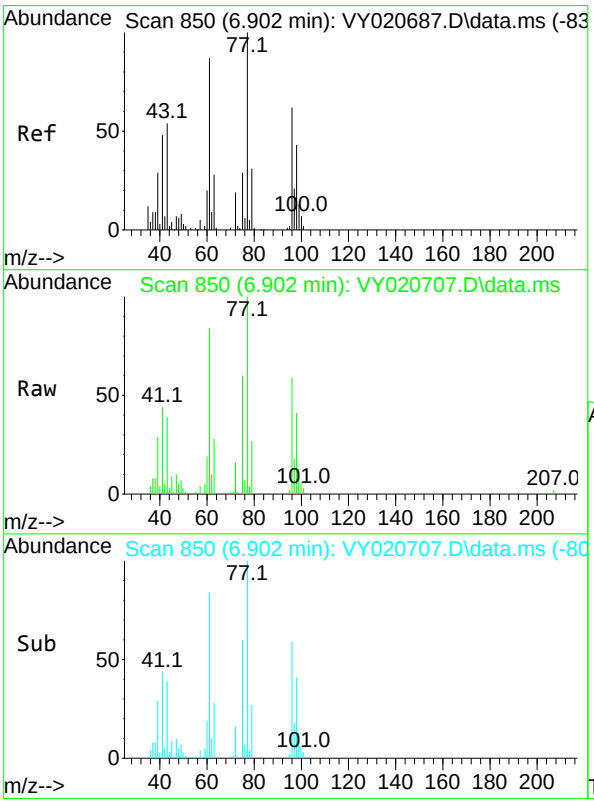
#25
2-Butanone
Concen: 49.191 ug/l
RT: 6.914 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 7858

Ion	Ratio	Lower	Upper
43	100		
72	32.7	29.5	44.3

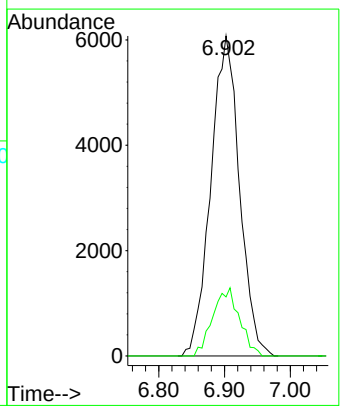


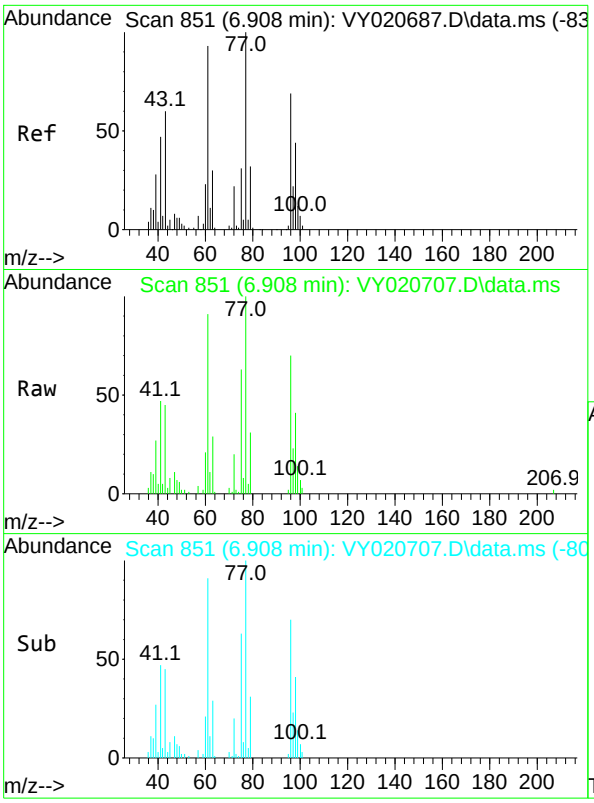


#26
2,2-Dichloropropane
Concen: 10.868 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 77 Resp: 18453

Ion	Ratio	Lower	Upper
77	100		
97	19.8	10.8	32.4



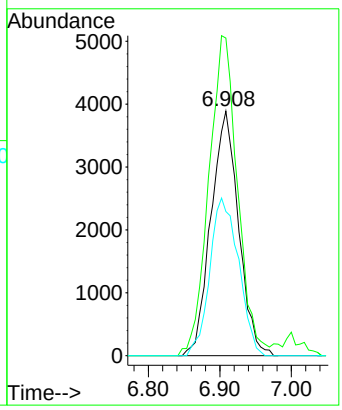


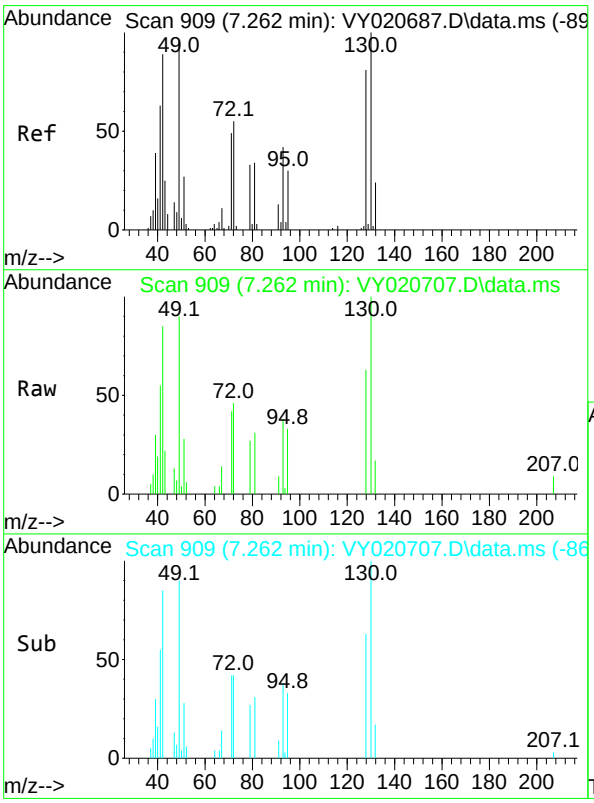
#27
cis-1,2-Dichloroethene
Concen: 10.425 ug/l
RT: 6.908 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 10464

Ion	Ratio	Lower	Upper
96	100		
61	135.6	0.0	277.2
98	66.9	0.0	131.0

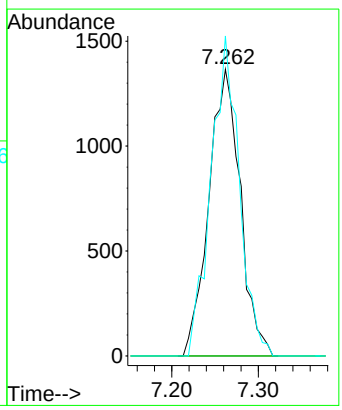


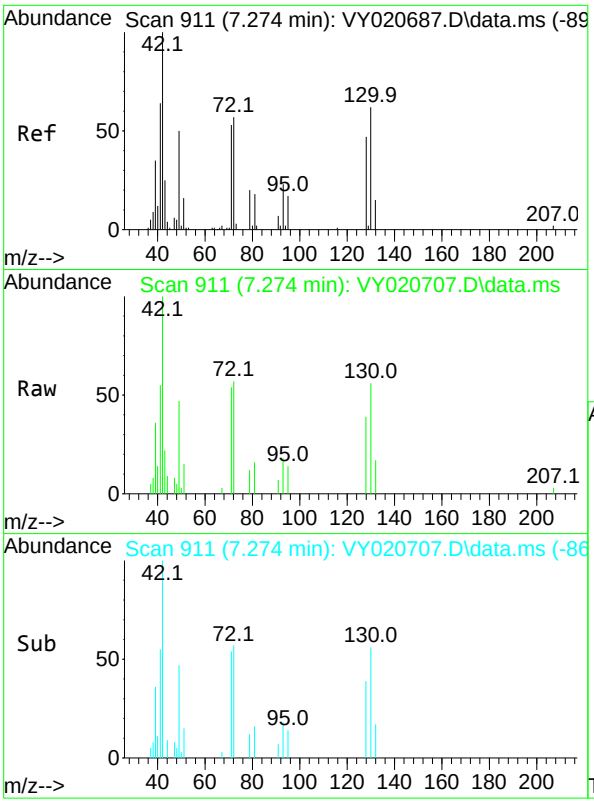


#28
Bromochloromethane
Concen: 9.369 ug/l
RT: 7.262 min Scan# 909
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 49 Resp: 3437

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.4
130	101.0	87.2	130.8



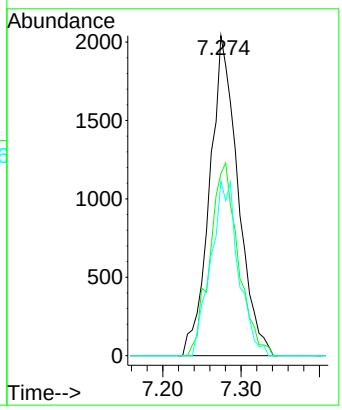


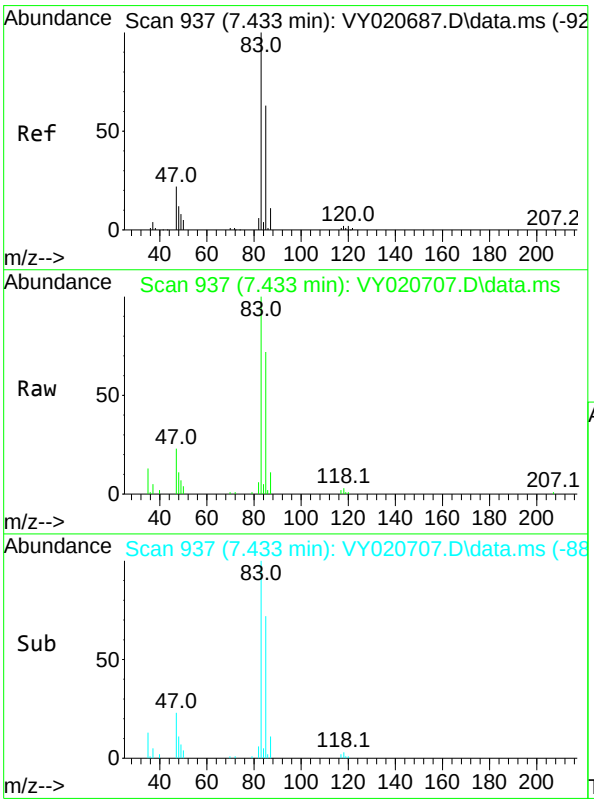
#29
Tetrahydrofuran
Concen: 52.267 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 42 Resp: 5125

Ion	Ratio	Lower	Upper
42	100		
72	60.2	47.4	71.0
71	53.4	42.8	64.2

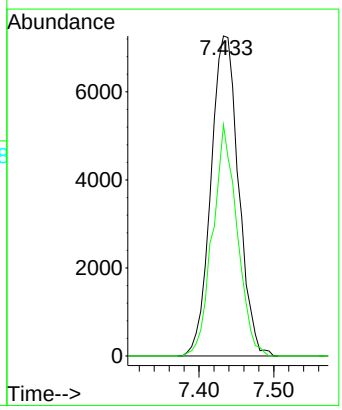


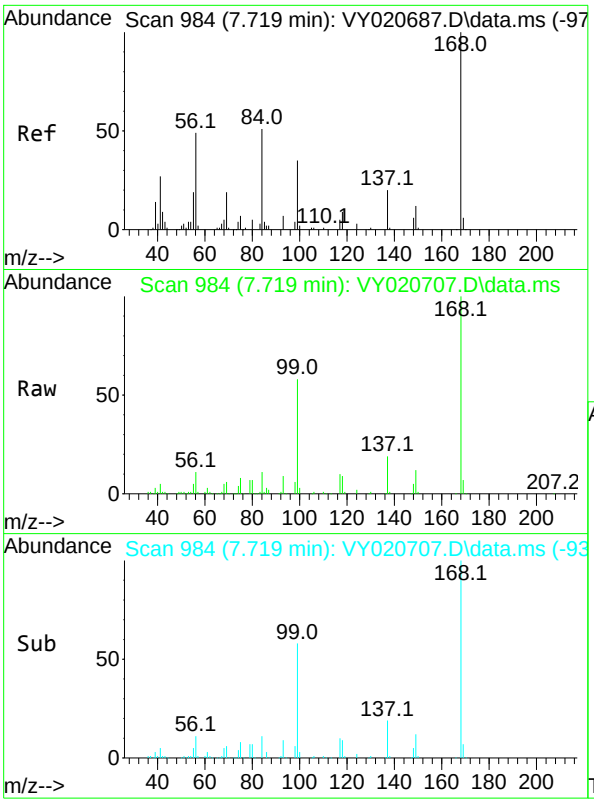


#30
Chloroform
Concen: 10.474 ug/l
RT: 7.433 min Scan# 937
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 83 Resp: 18692

Ion	Ratio	Lower	Upper
83	100		
85	72.2	50.2	75.2



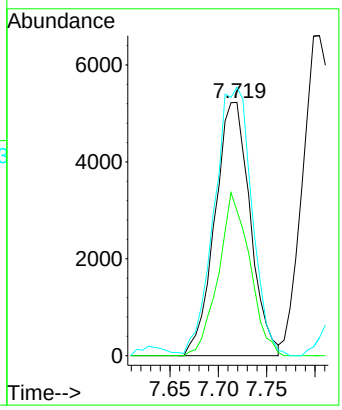


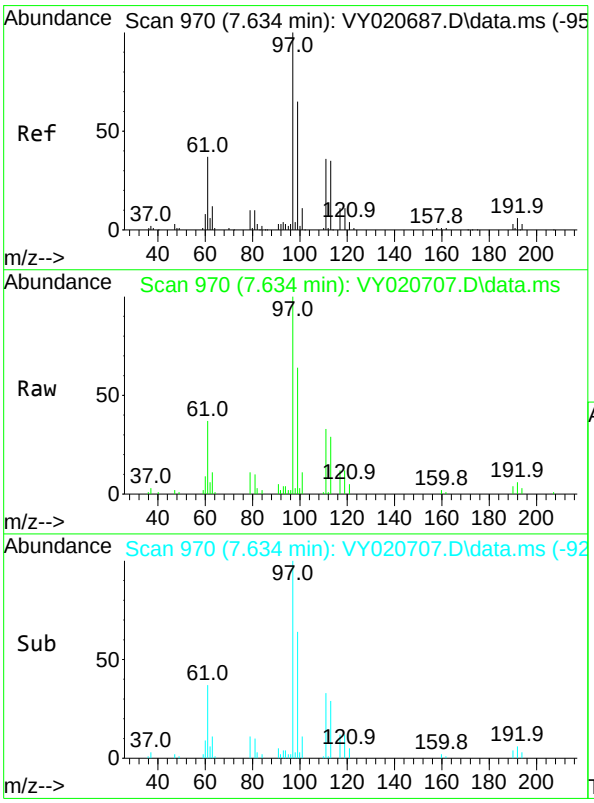
#31
Cyclohexane
Concen: 11.072 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 13258

Ion	Ratio	Lower	Upper
56	100		
69	57.3	31.3	46.9#
84	104.8	83.9	125.9

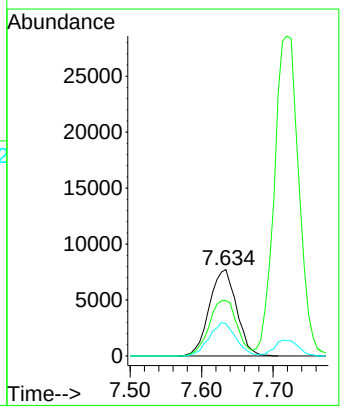


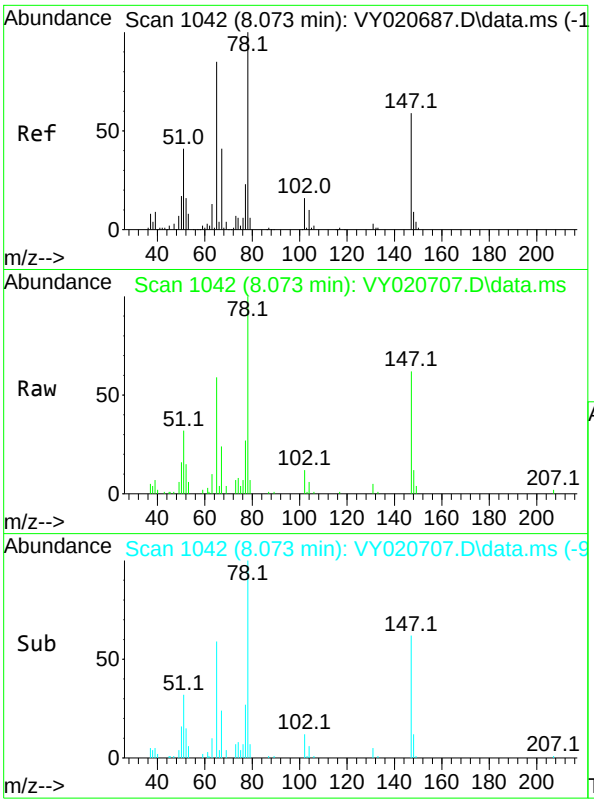


#32
1,1,1-Trichloroethane
Concen: 10.668 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 97 Resp: 20406

Ion	Ratio	Lower	Upper
97	100		
99	66.3	51.0	76.6
61	37.6	30.0	45.0



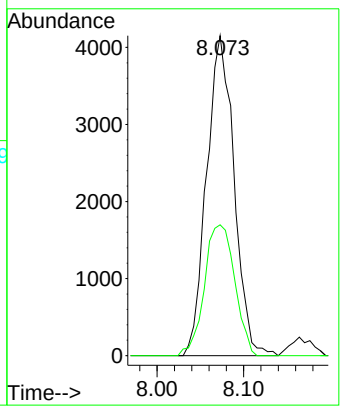


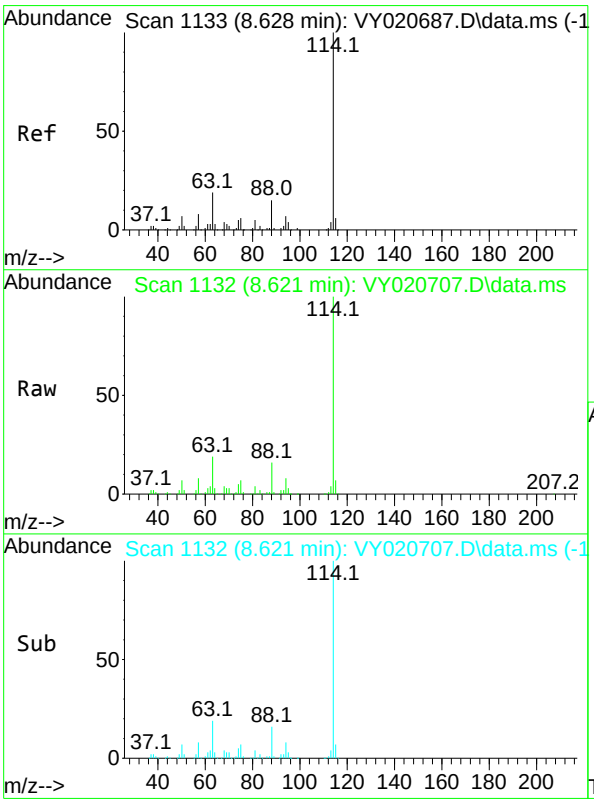
#33
1,2-Dichloroethane-d4
Concen: 9.814 ug/l
RT: 8.073 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 9148

Ion	Ratio	Lower	Upper
65	100		
67	45.1	0.0	98.0

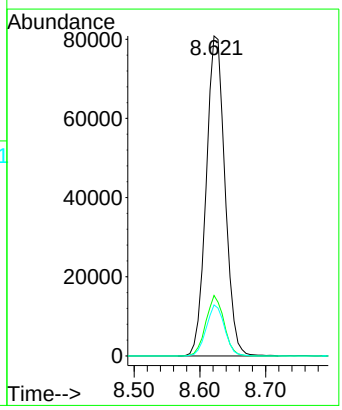


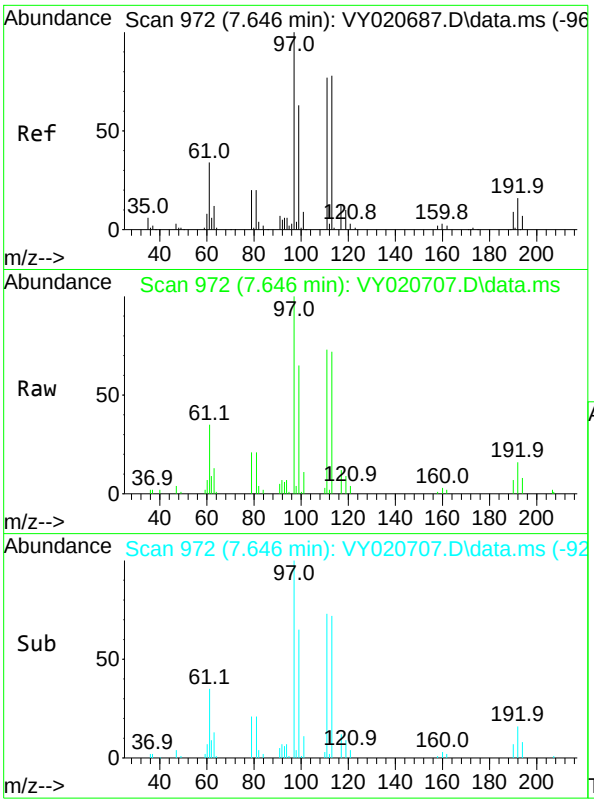


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 1132
Delta R.T. -0.007 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:114 Resp: 160513

Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	38.4
88	16.0	0.0	30.4



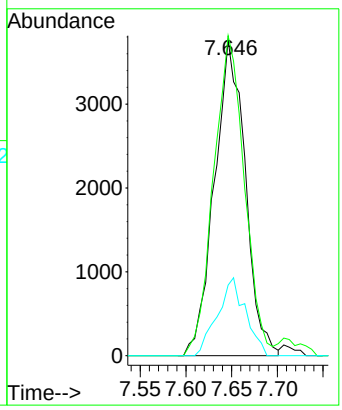


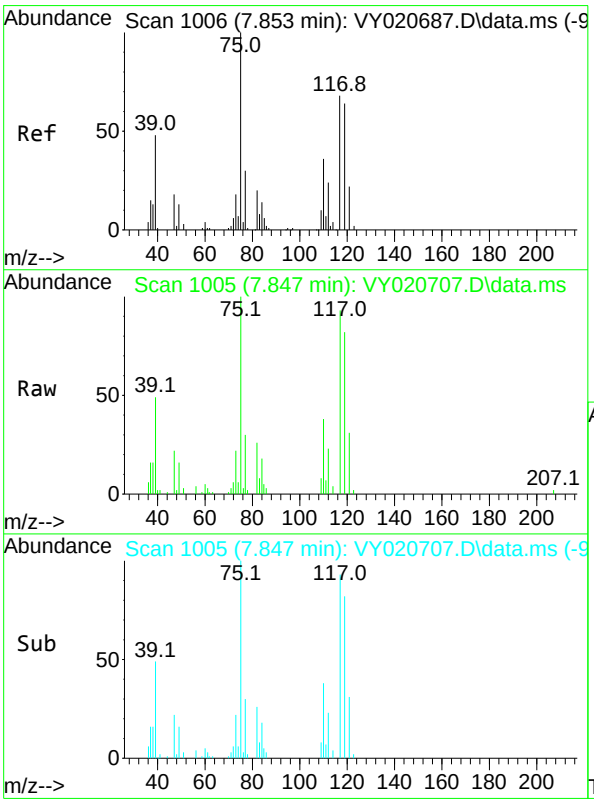
#35
Dibromofluoromethane
Concen: 9.966 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:113 Resp: 8811

Ion	Ratio	Lower	Upper
113	100		
111	101.3	79.8	119.8
192	22.6	17.0	25.6

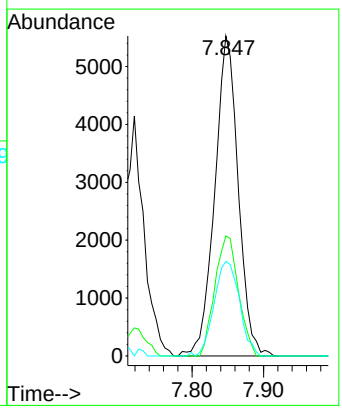


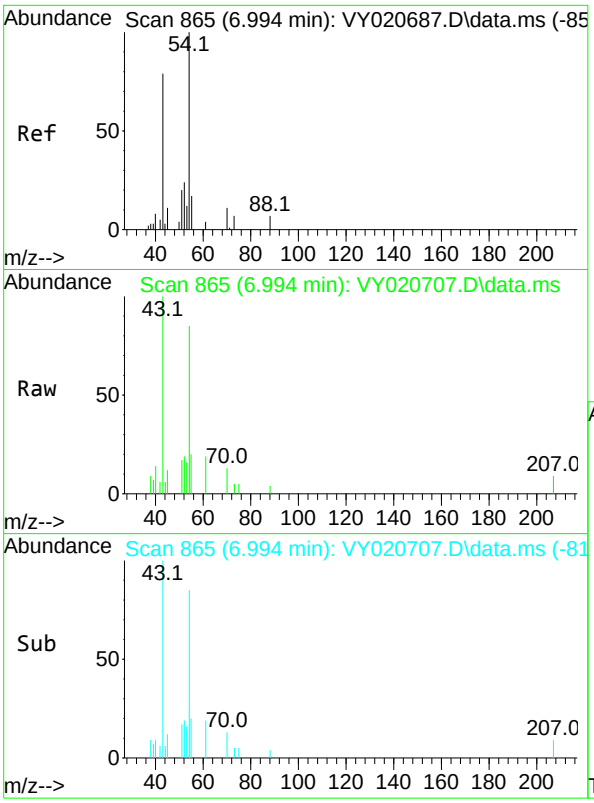


#36
1,1-Dichloropropene
Concen: 10.790 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 75 Resp: 12601

Ion	Ratio	Lower	Upper
75	100		
110	37.7	19.6	58.7
77	31.8	25.1	37.7



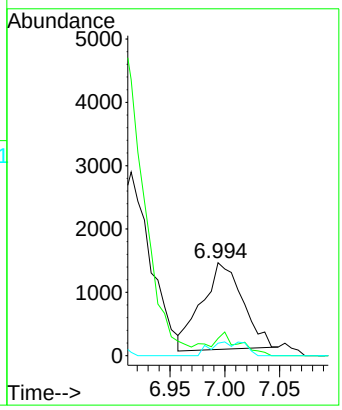


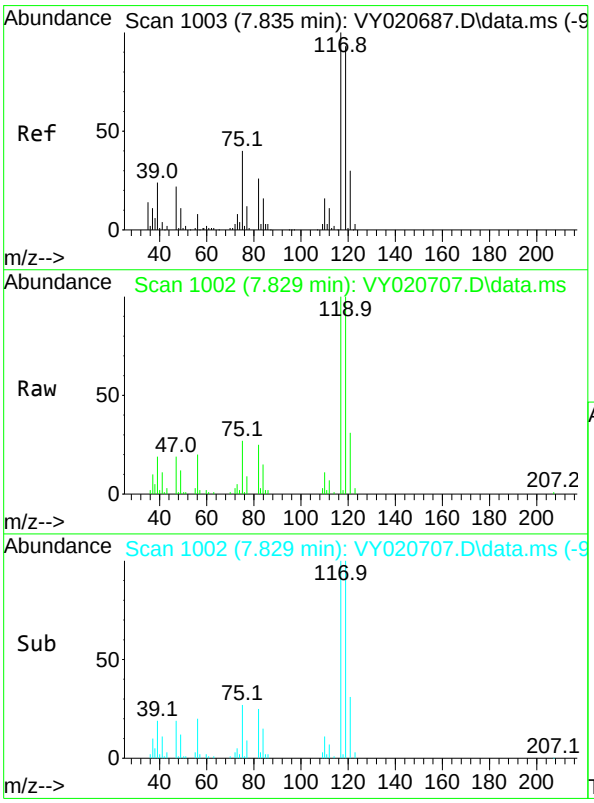
#37
Ethyl Acetate
Concen: 9.217 ug/l
RT: 6.994 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 3547

Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.7	17.5
70	13.5	11.0	16.4

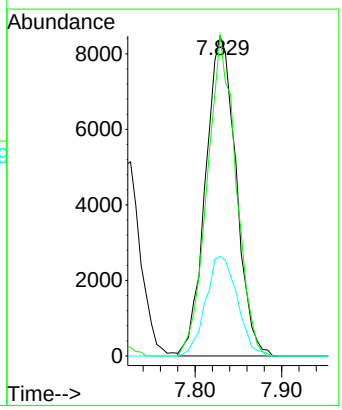


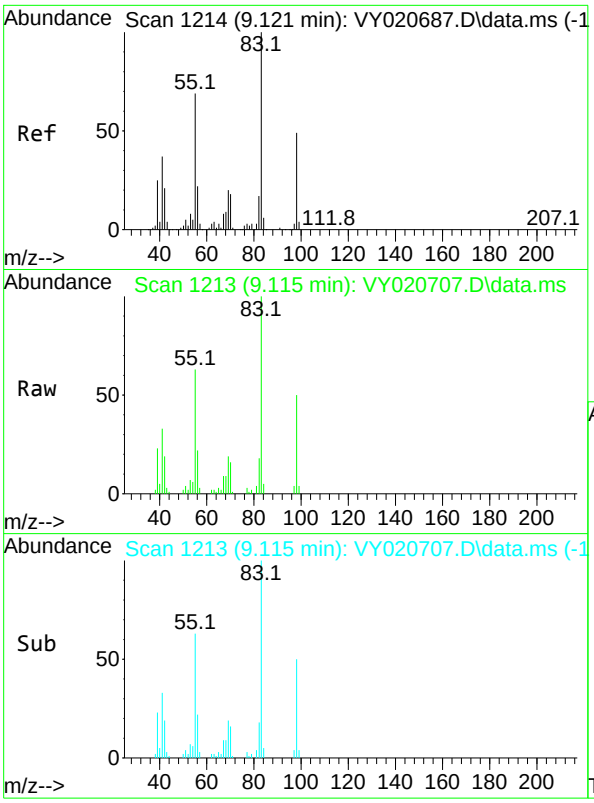


#38
Carbon Tetrachloride
Concen: 10.755 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:117 Resp: 20683

Ion	Ratio	Lower	Upper
117	100		
119	100.0	74.4	111.6
121	31.1	24.2	36.2



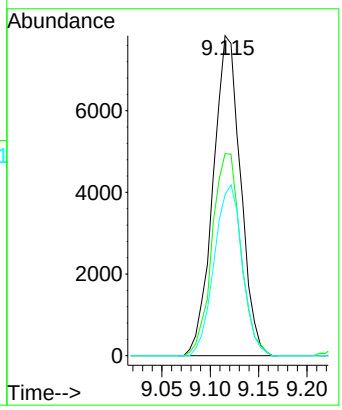


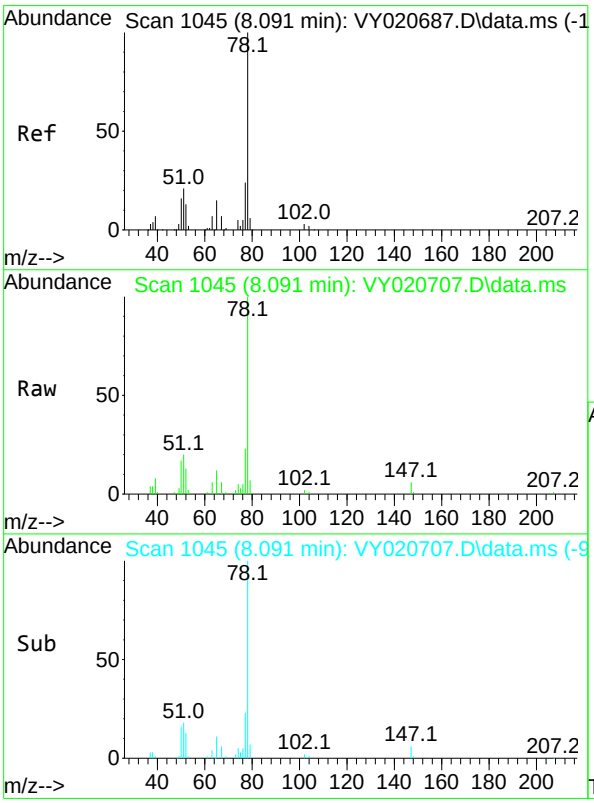
#39
Methylcyclohexane
Concen: 10.353 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 15497

Ion	Ratio	Lower	Upper
83	100		
55	63.2	55.0	82.4
98	50.4	39.0	58.6

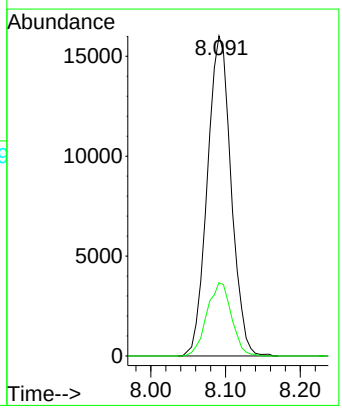


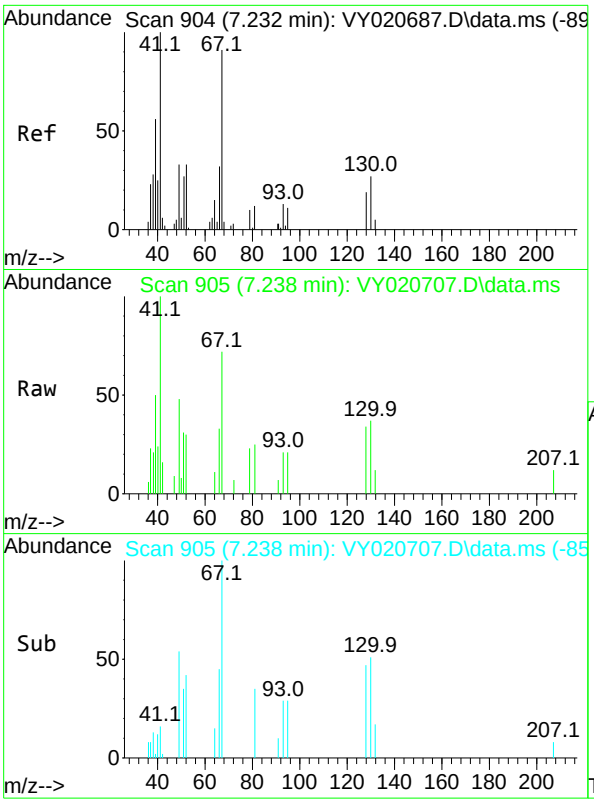


#40
Benzene
Concen: 10.473 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 78 Resp: 35447

Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.2	28.8



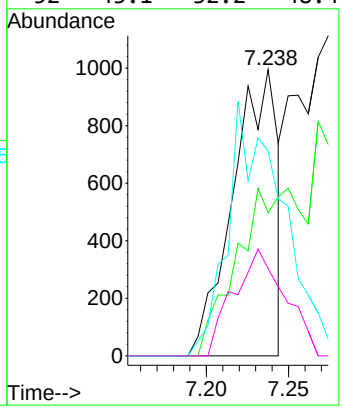


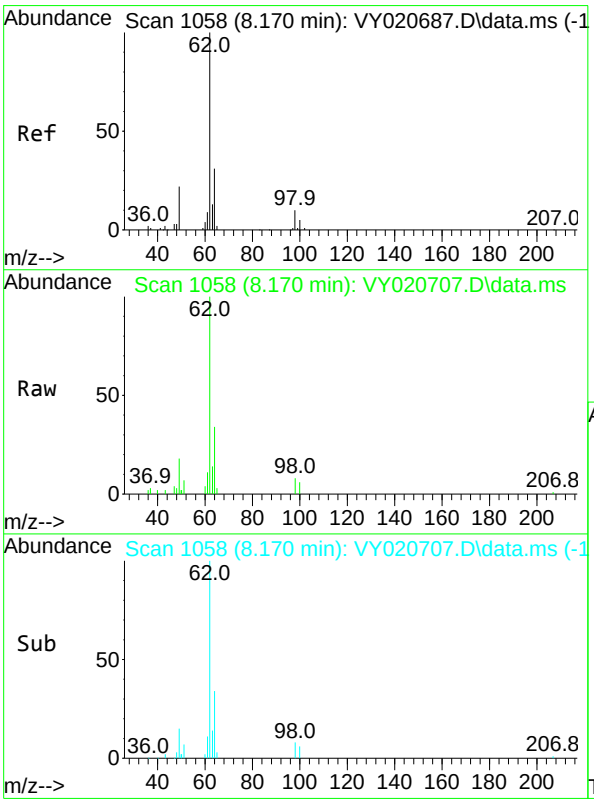
#41
Methacrylonitrile
Concen: 9.650 ug/l
RT: 7.238 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 1876

Ion	Ratio	Lower	Upper
41	100		
39	0.0	46.6	70.0#
67	108.0	74.7	112.1
52	43.1	32.2	48.4

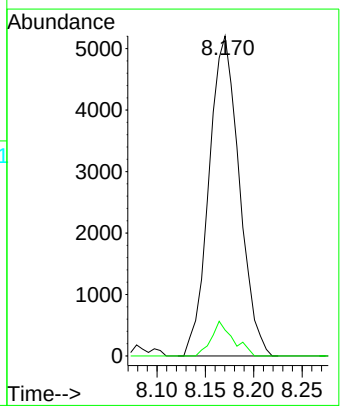


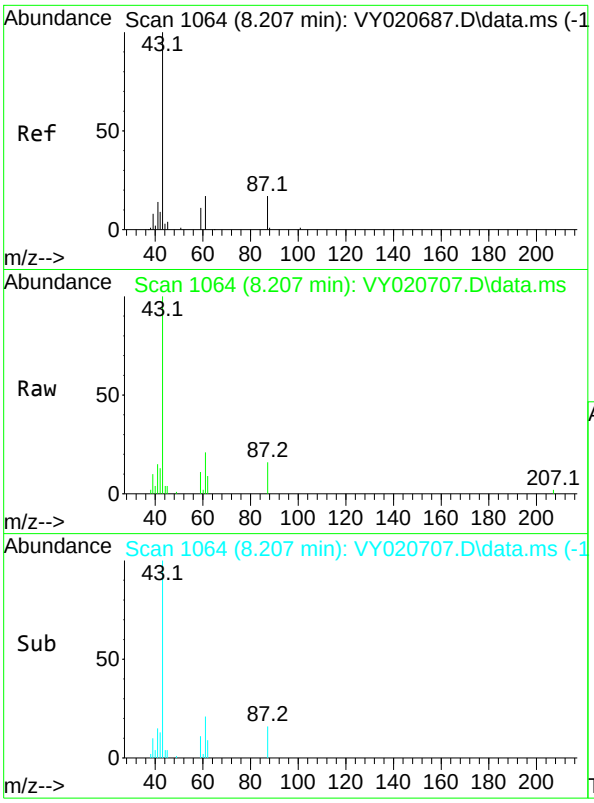


#42
1,2-Dichloroethane
Concen: 10.424 ug/l
RT: 8.170 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 62 Resp: 11313

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	16.6



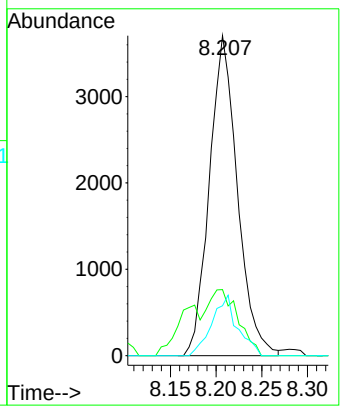


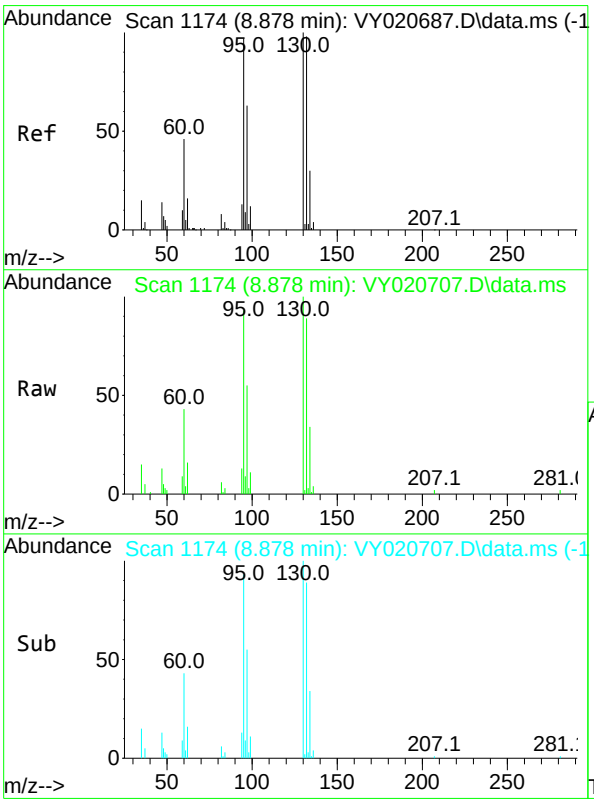
#43
Isopropyl Acetate
Concen: 9.664 ug/l
RT: 8.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 7905

Ion	Ratio	Lower	Upper
43	100		
61	22.6	27.0	40.4#
87	17.3	14.2	21.4

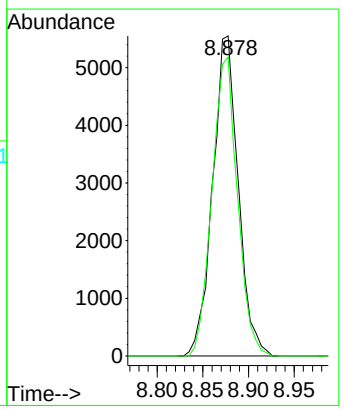


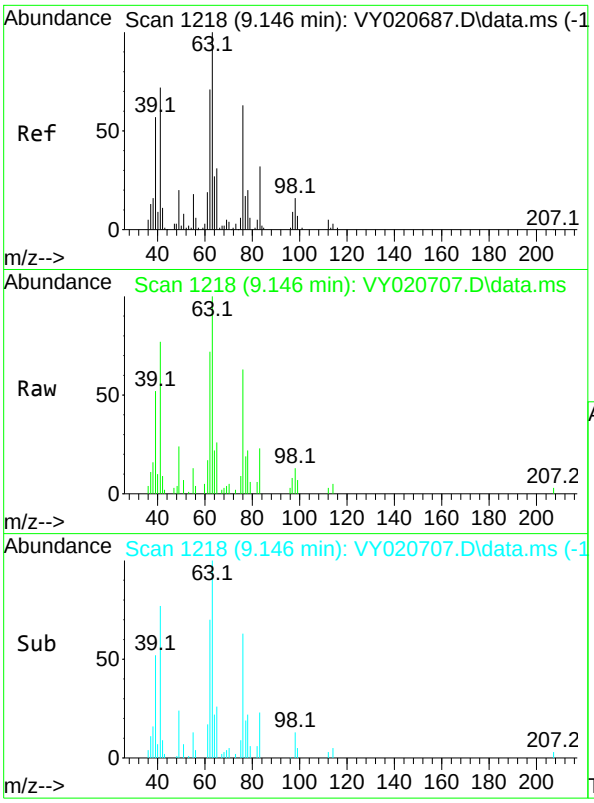


#44
Trichloroethene
Concen: 10.673 ug/l
RT: 8.878 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:130 Resp: 10790

Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	194.8



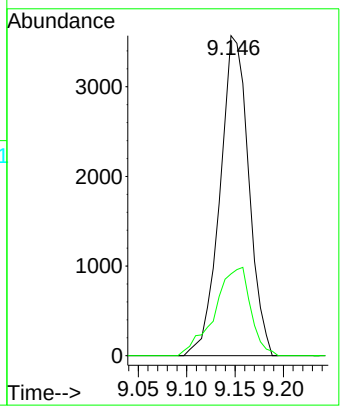


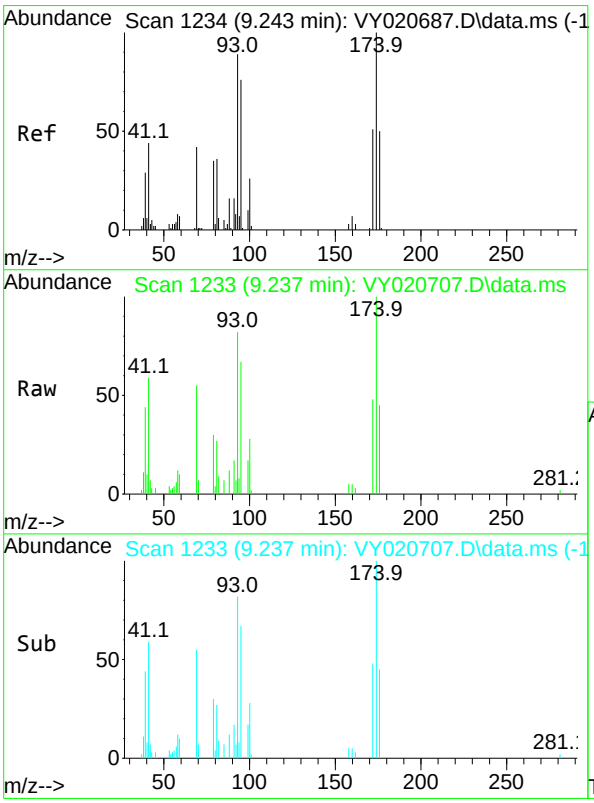
#45
1,2-Dichloropropane
Concen: 10.767 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 7377

Ion	Ratio	Lower	Upper
63	100		
65	25.6	24.6	36.8

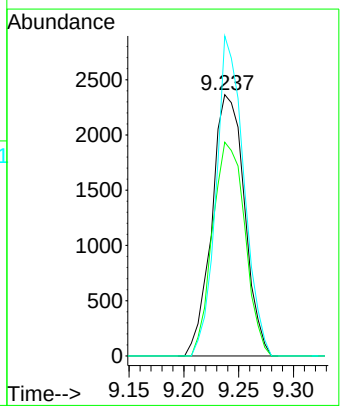


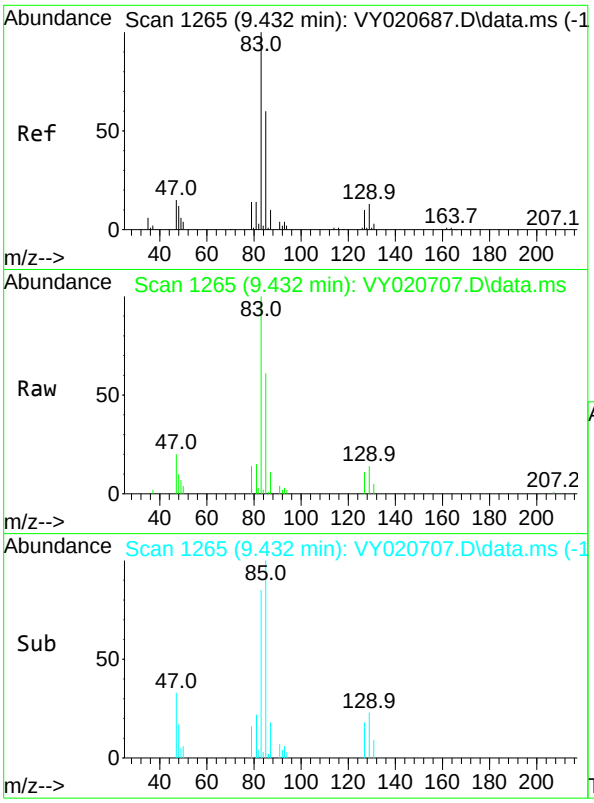


#46
Dibromomethane
Concen: 10.336 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 93 Resp: 4900

Ion	Ratio	Lower	Upper
93	100		
95	80.9	67.8	101.8
174	104.0	89.4	134.0



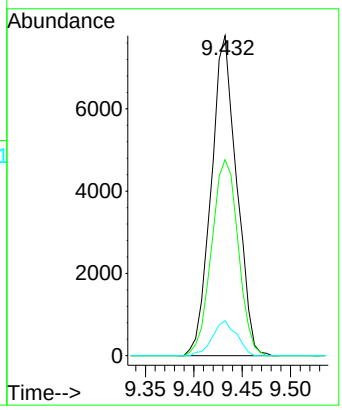


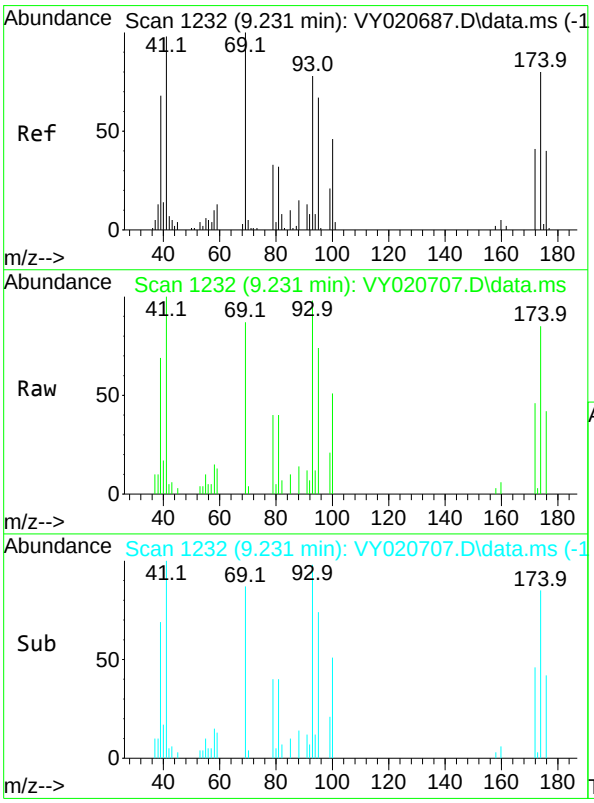
#47
Bromodichloromethane
Concen: 10.599 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 14245

Ion	Ratio	Lower	Upper
83	100		
85	61.2	47.6	71.4
127	11.0	7.9	11.9

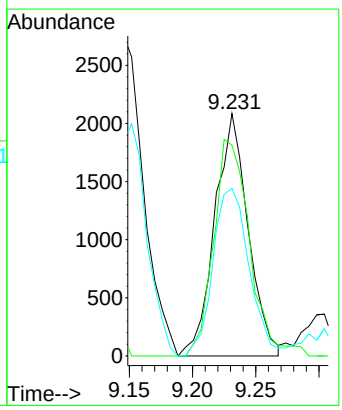


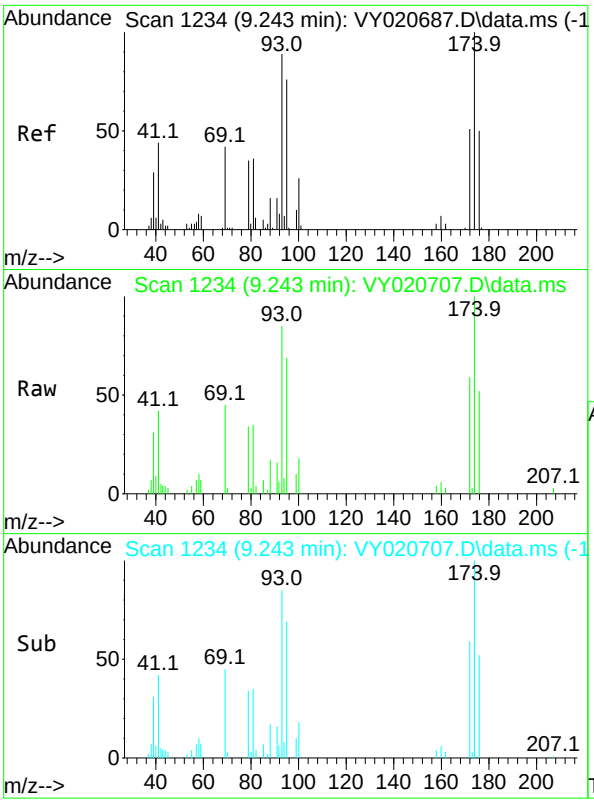


#48
Methyl methacrylate
Concen: 10.018 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 41 Resp: 3827

Ion	Ratio	Lower	Upper
41	100		
69	96.4	83.1	124.7
39	74.5	57.3	85.9



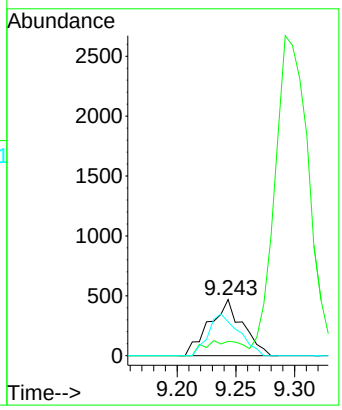


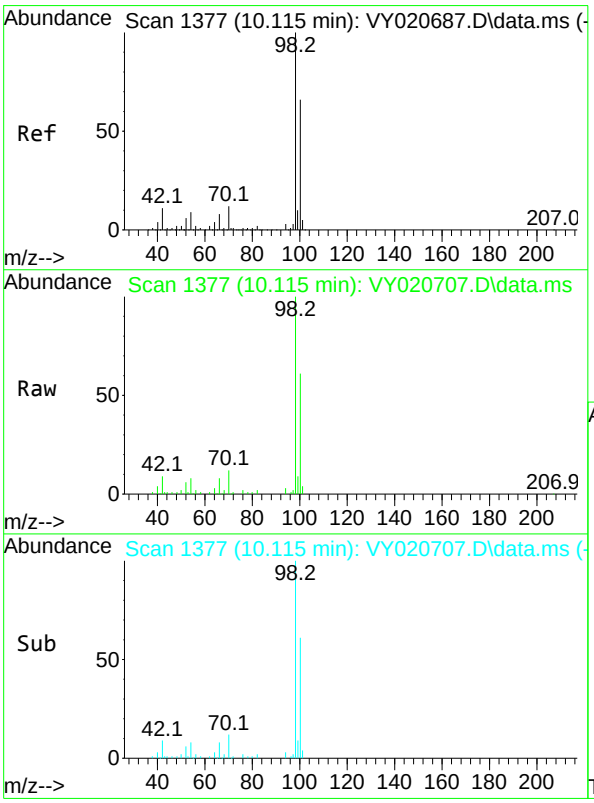
#49
1,4-Dioxane
Concen: 204.624 ug/l
RT: 9.243 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 88 Resp: 924

Ion	Ratio	Lower	Upper
88	100		
43	30.6	22.1	33.1
58	67.9	46.7	70.1

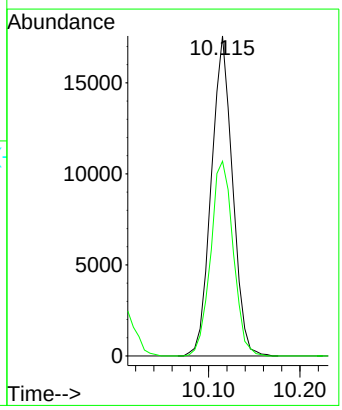


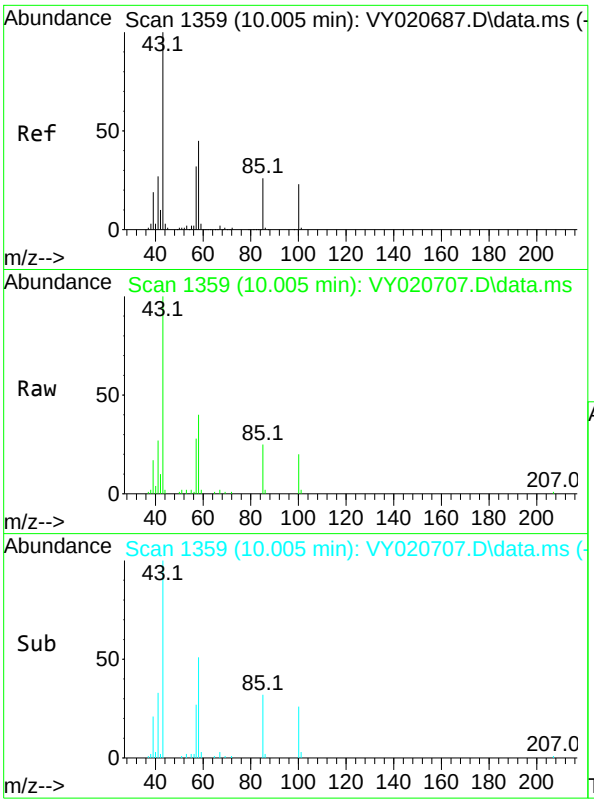


#50
Toluene-d8
Concen: 9.506 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 98 Resp: 28333

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.4



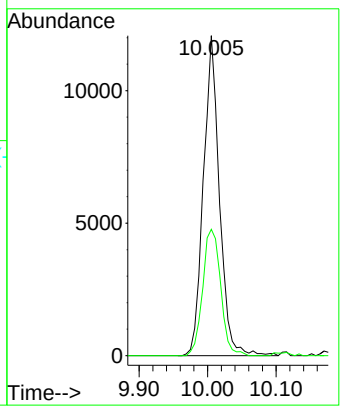


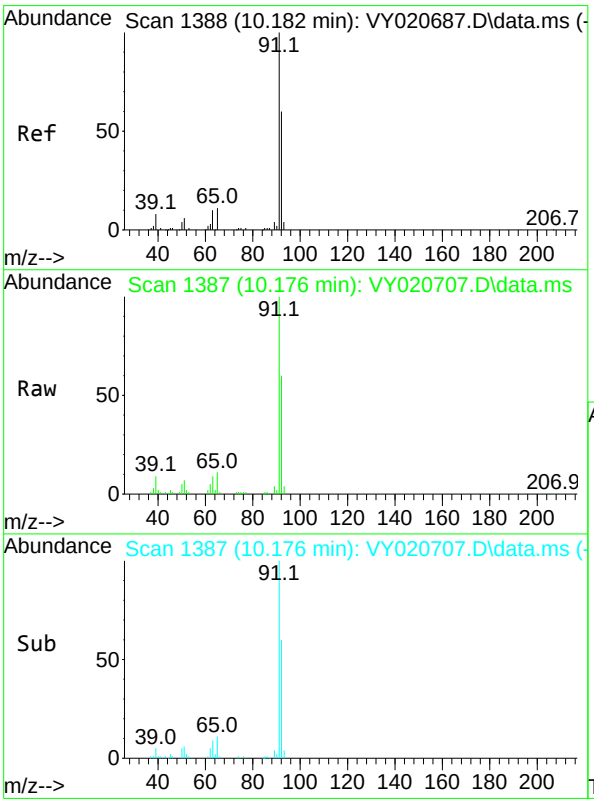
#51
4-Methyl-2-Pentanone
Concen: 49.951 ug/l
RT: 10.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 19722

Ion	Ratio	Lower	Upper
43	100		
58	44.2	35.1	52.7

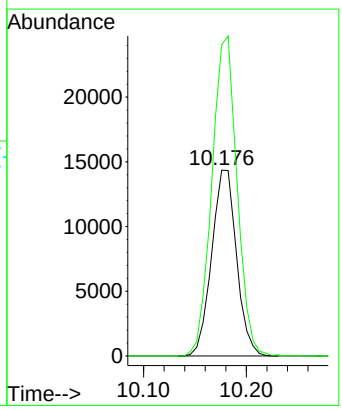


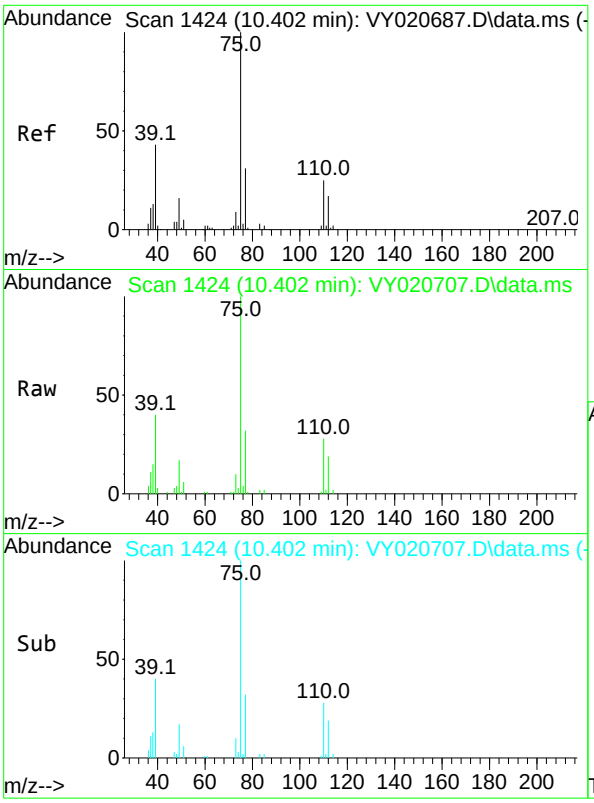


#52
Toluene
Concen: 10.393 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 92 Resp: 24111

Ion	Ratio	Lower	Upper
92	100		
91	174.2	137.7	206.5



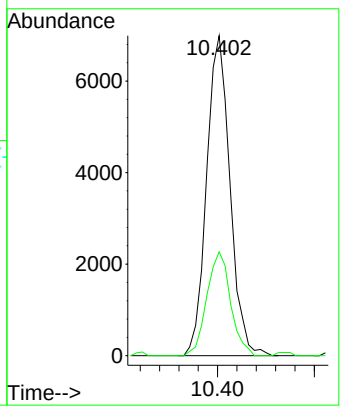


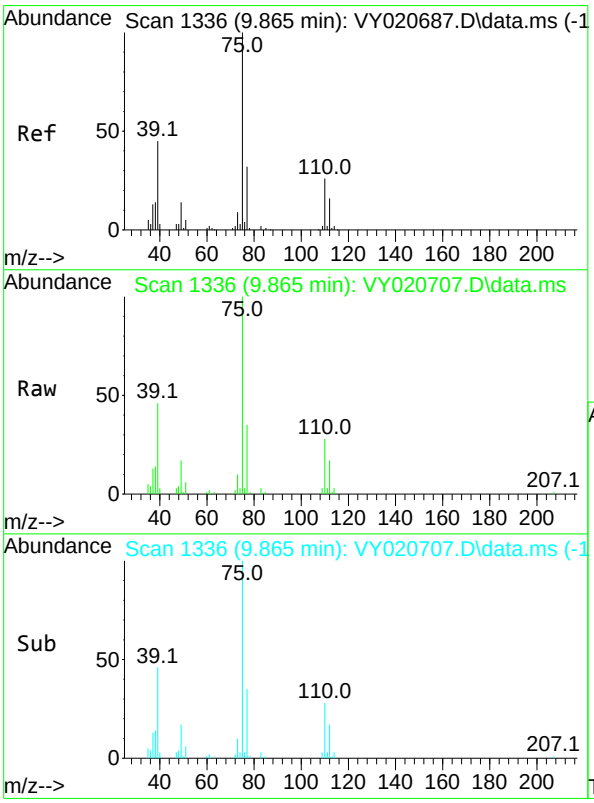
#53
t-1,3-Dichloropropene
Concen: 9.942 ug/l
RT: 10.402 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 11736

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.1	37.7

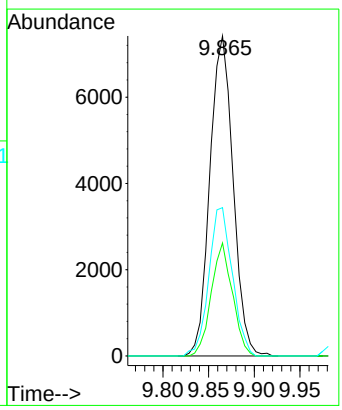


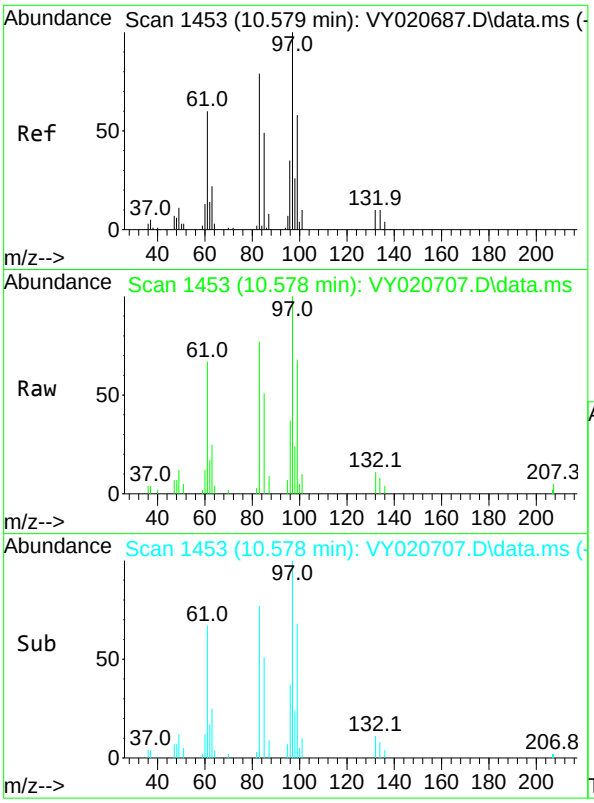


#54
cis-1,3-Dichloropropene
Concen: 10.121 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 75 Resp: 13095

Ion	Ratio	Lower	Upper
75	100		
77	35.3	25.6	38.4
39	46.4	36.2	54.2



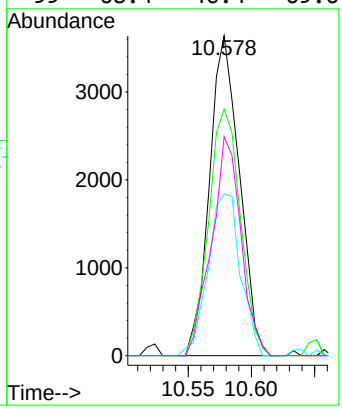


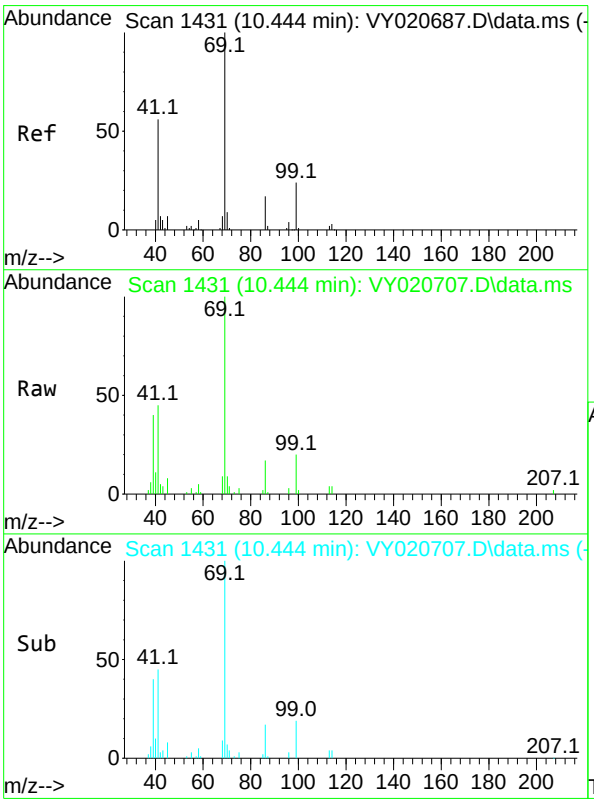
#55
1,1,2-Trichloroethane
Concen: 9.902 ug/l
RT: 10.578 min Scan# 14
Delta R.T. -0.001 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 97 Resp: 5992

Ion	Ratio	Lower	Upper
97	100		
83	77.0	63.1	94.7
85	50.5	39.5	59.3
99	68.4	46.4	69.6

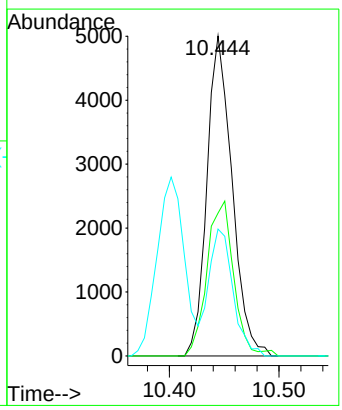


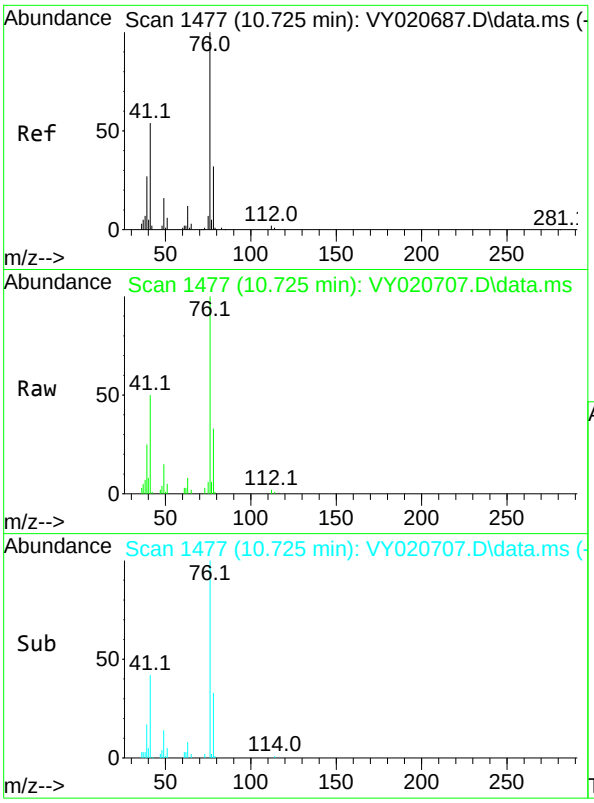


#56
Ethyl methacrylate
Concen: 10.046 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 69 Resp: 7986

Ion	Ratio	Lower	Upper
69	100		
41	51.3	43.8	65.6
39	38.2	32.0	48.0



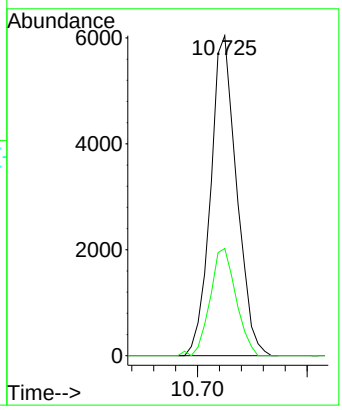


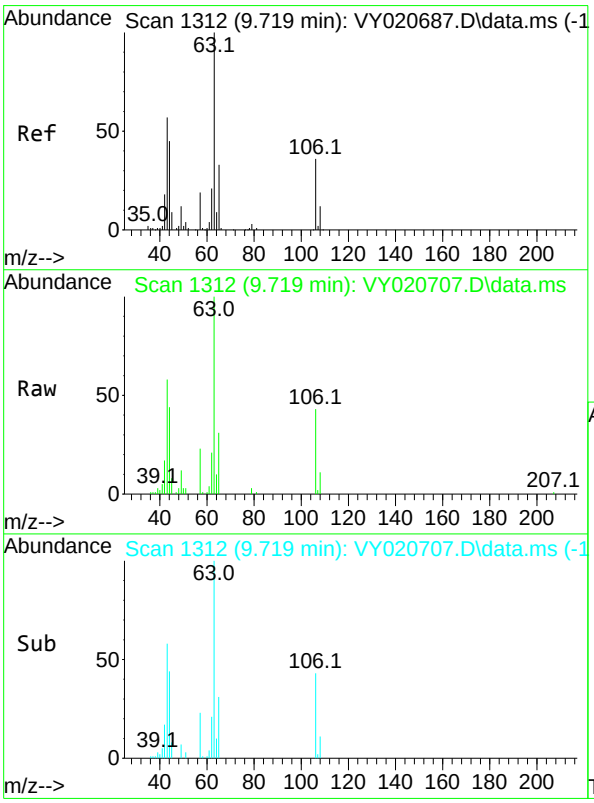
#57
1,3-Dichloropropane
Concen: 10.137 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 9956

Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.0	37.6

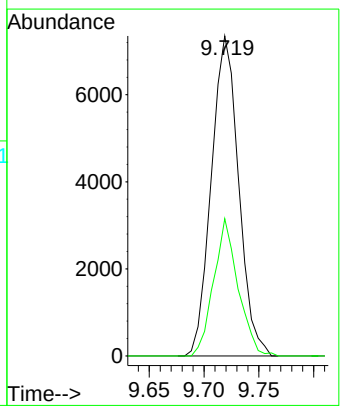


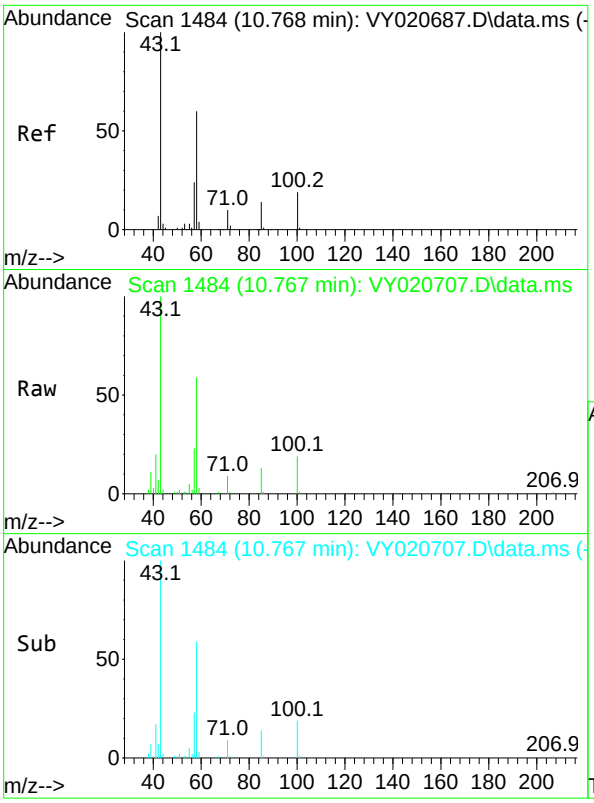


#58
2-Chloroethyl Vinyl ether
Concen: 45.957 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 63 Resp: 12740

Ion	Ratio	Lower	Upper
63	100		
106	38.4	29.1	43.7



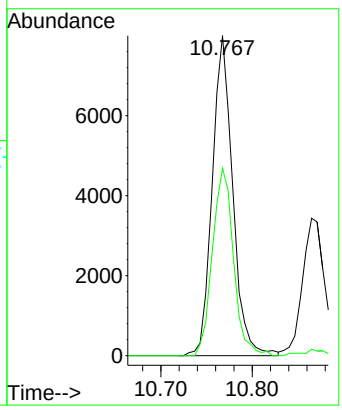


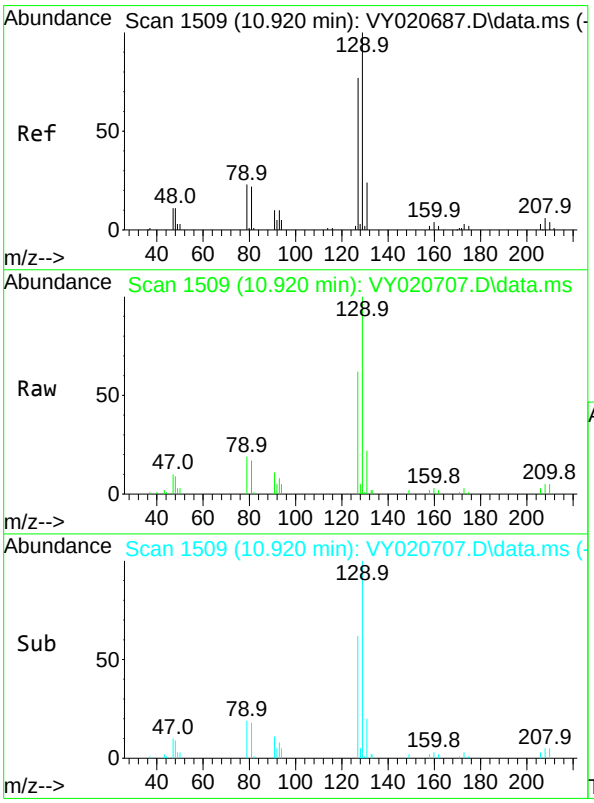
#59
2-Hexanone
Concen: 47.628 ug/l
RT: 10.767 min Scan# 14
Delta R.T. -0.001 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 12416

Ion	Ratio	Lower	Upper
43	100		
58	60.3	30.1	90.5

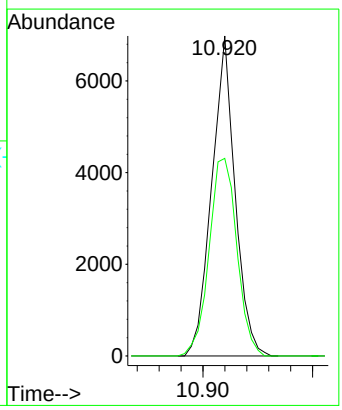


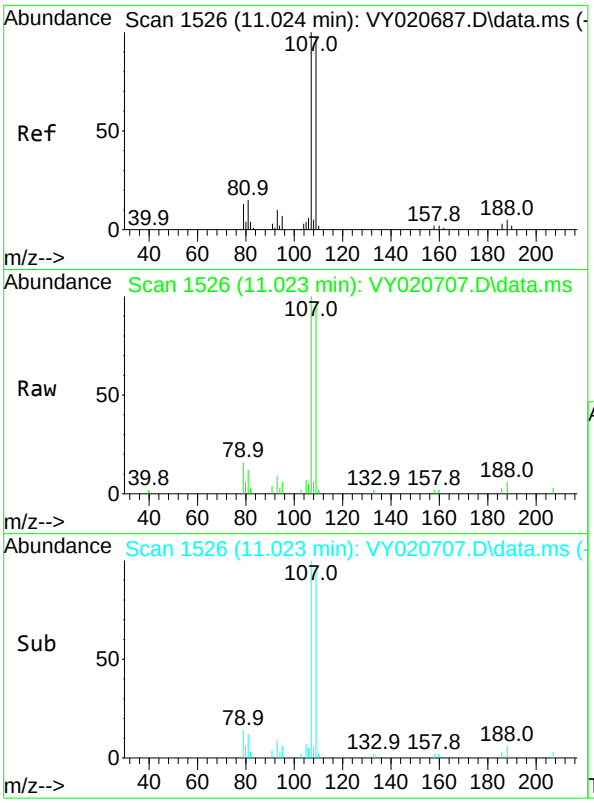


#60
Dibromochloromethane
Concen: 10.554 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:129 Resp: 10320

Ion	Ratio	Lower	Upper
129	100		
127	73.5	38.5	115.5



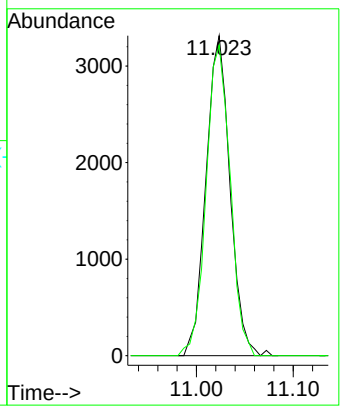


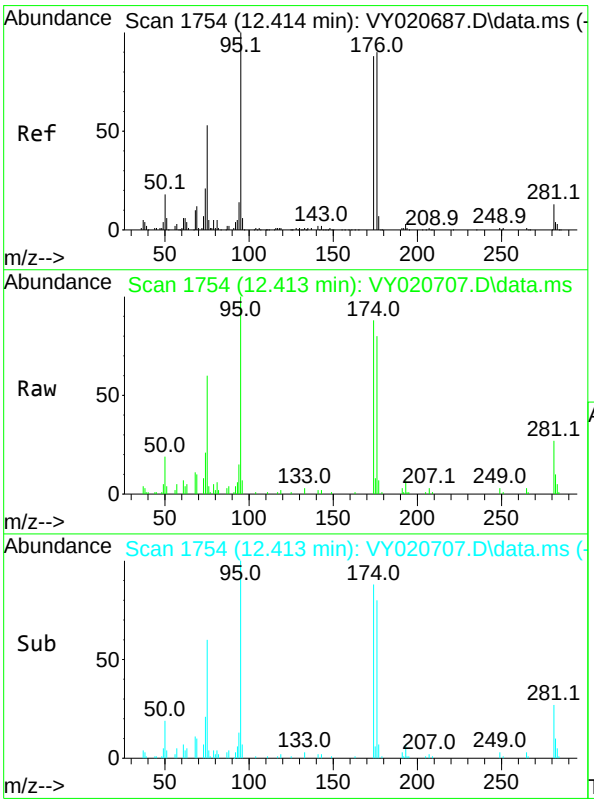
#61
1,2-Dibromoethane
Concen: 10.067 ug/l
RT: 11.023 min Scan# 1
Delta R.T. -0.001 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 5732

Ion	Ratio	Lower	Upper
107	100		
109	96.9	75.5	113.3

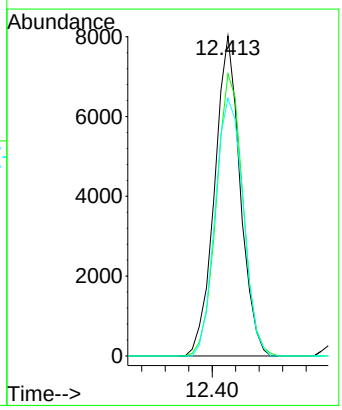


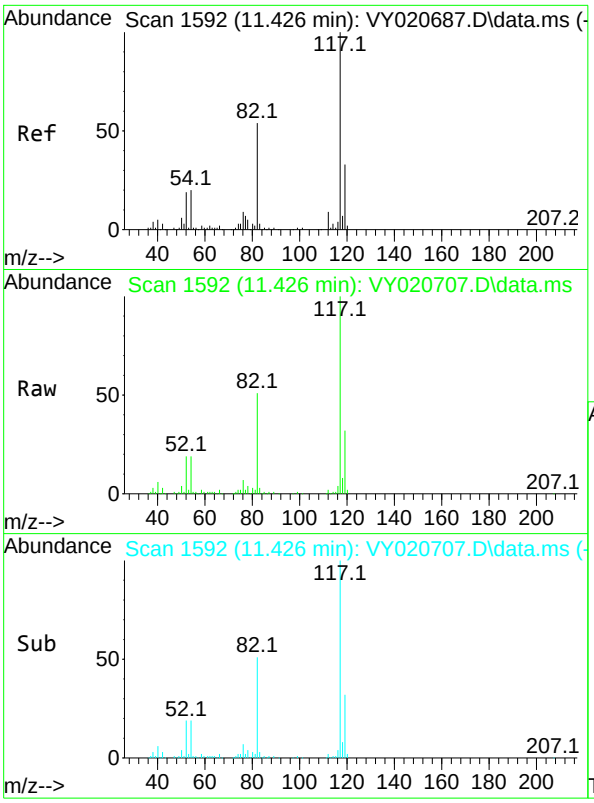


#62
4-Bromofluorobenzene
Concen: 10.336 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. -0.001 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 95 Resp: 12144

Ion	Ratio	Lower	Upper
95	100		
174	91.5	0.0	179.2
176	88.1	0.0	179.8



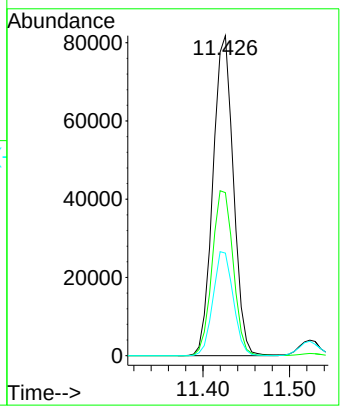


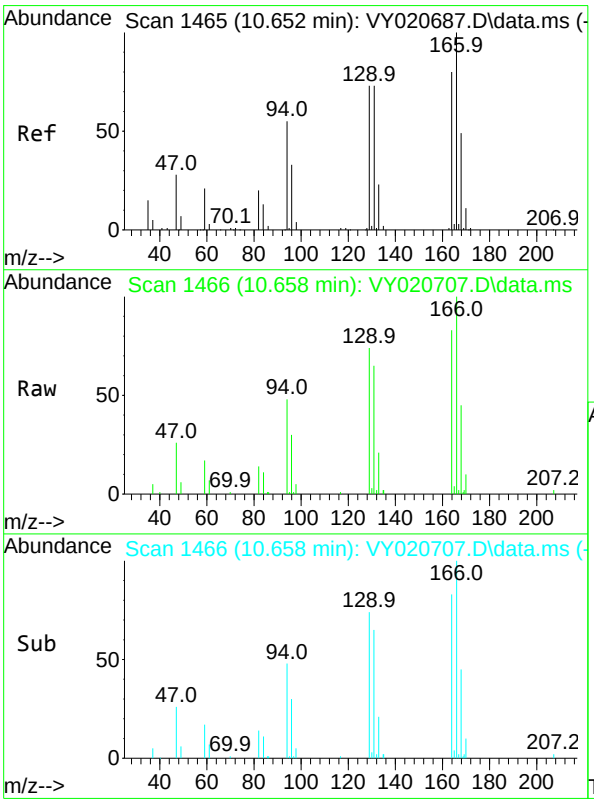
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:117 Resp: 134187

Ion	Ratio	Lower	Upper
117	100		
82	50.9	43.4	65.2
119	32.0	26.6	39.8

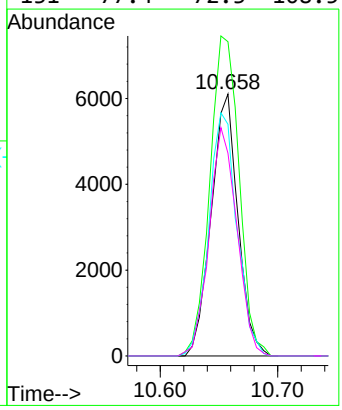


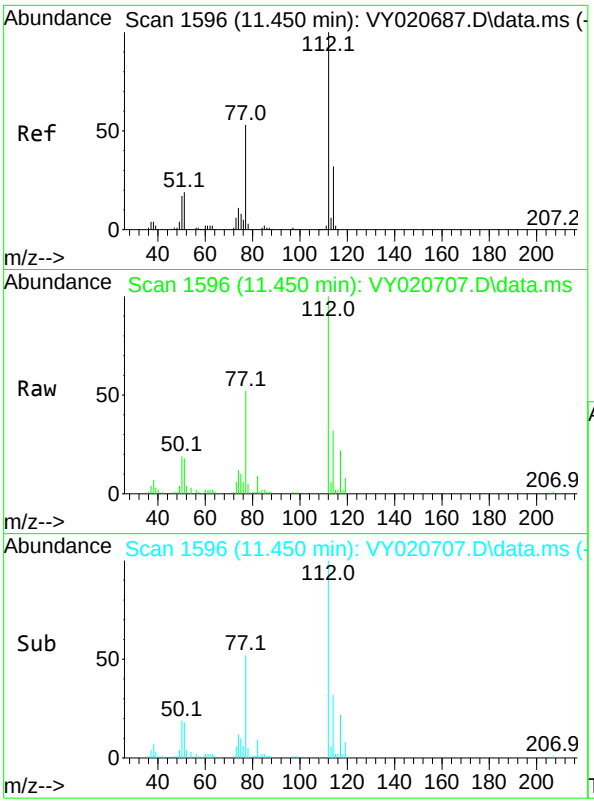


#64
Tetrachloroethene
Concen: 10.530 ug/l
RT: 10.658 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:164 Resp: 9654

Ion	Ratio	Lower	Upper
164	100		
166	120.0	99.6	149.4
129	88.5	73.0	109.4
131	77.4	72.3	108.5



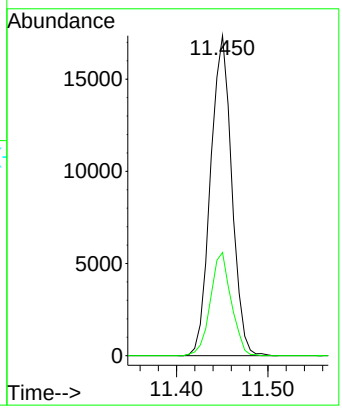


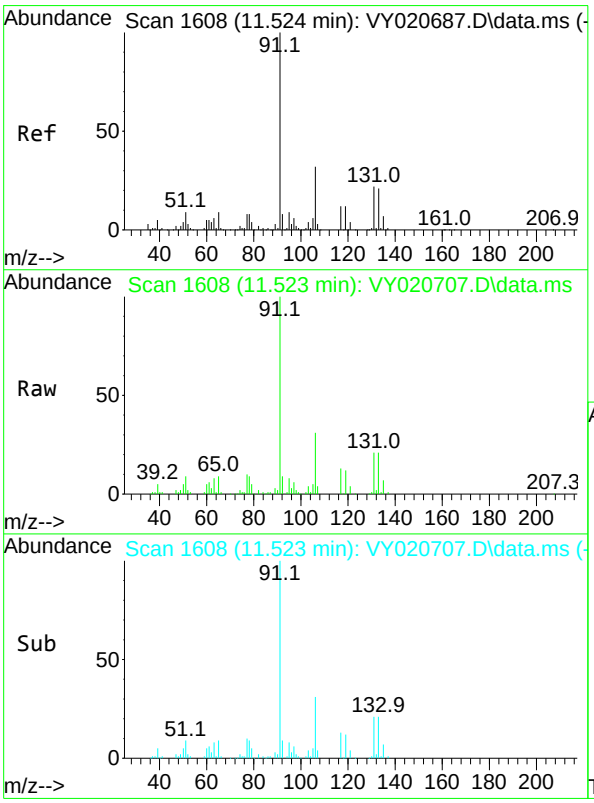
#65
Chlorobenzene
Concen: 10.661 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 28012

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.4	38.0

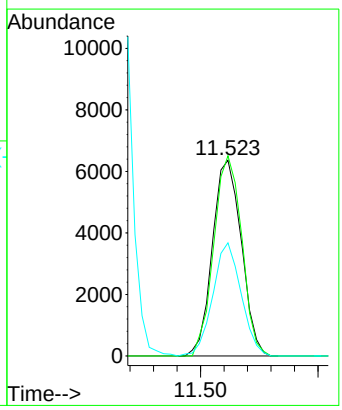


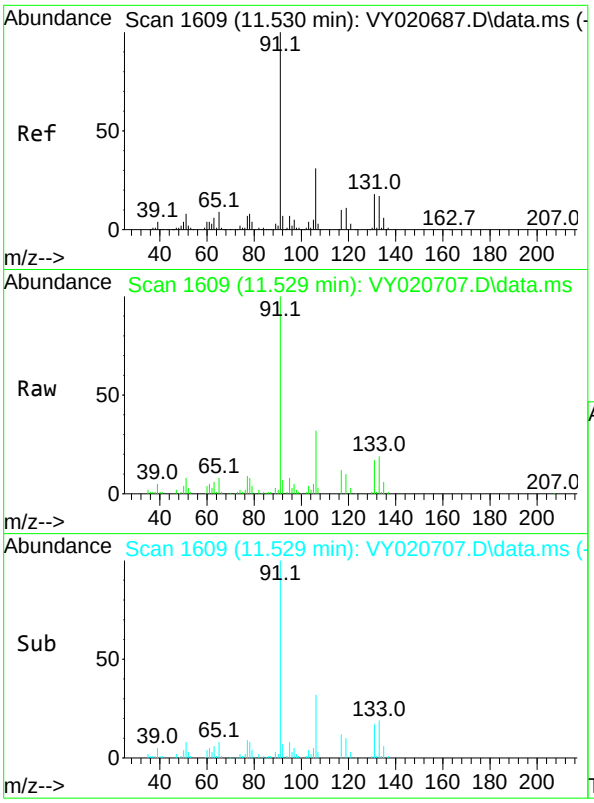


#66
1,1,1,2-Tetrachloroethane
Concen: 10.699 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. -0.001 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:131 Resp: 10891

Ion	Ratio	Lower	Upper
131	100		
133	98.8	48.6	145.9
119	56.6	28.4	85.3



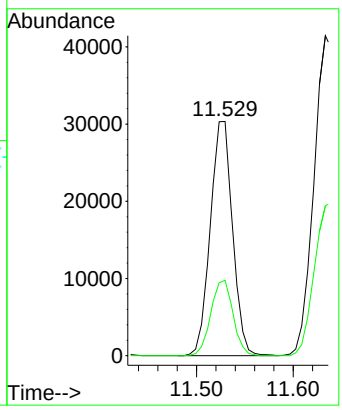


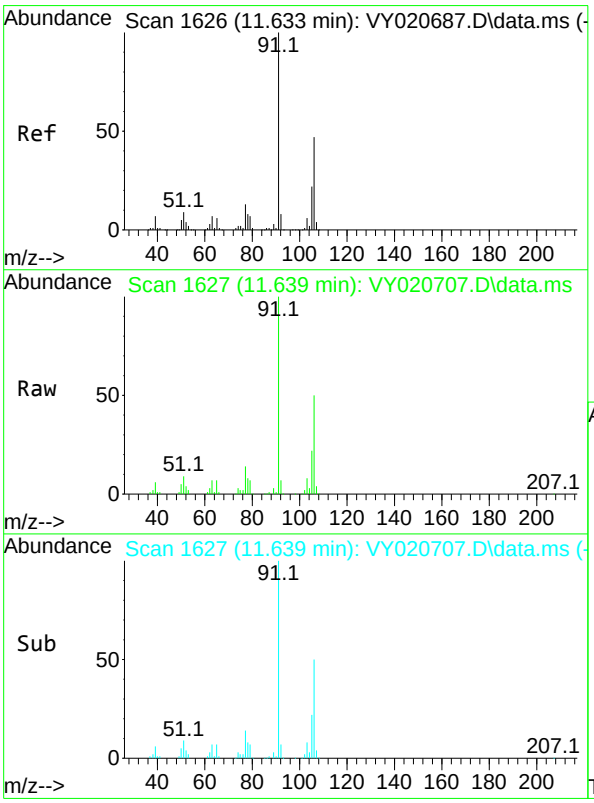
#67
Ethyl Benzene
Concen: 10.575 ug/l
RT: 11.529 min Scan# 1
Delta R.T. -0.001 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 48565

Ion	Ratio	Lower	Upper
91	100		
106	32.2	24.5	36.7

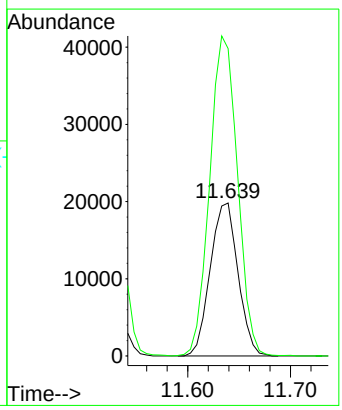


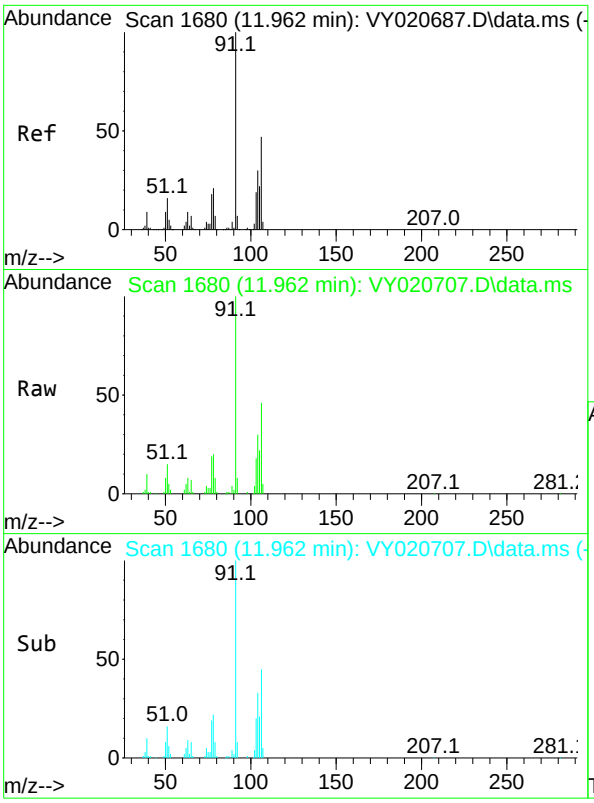


#68
m/p-Xylenes
Concen: 21.184 ug/l
RT: 11.639 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:106 Resp: 37110

Ion	Ratio	Lower	Upper
106	100		
91	210.0	166.6	250.0



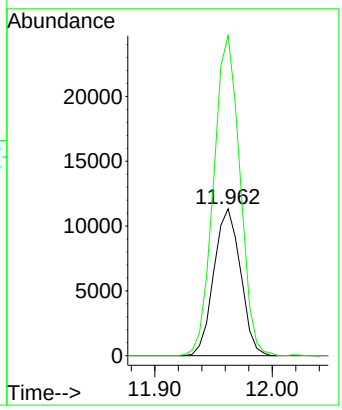


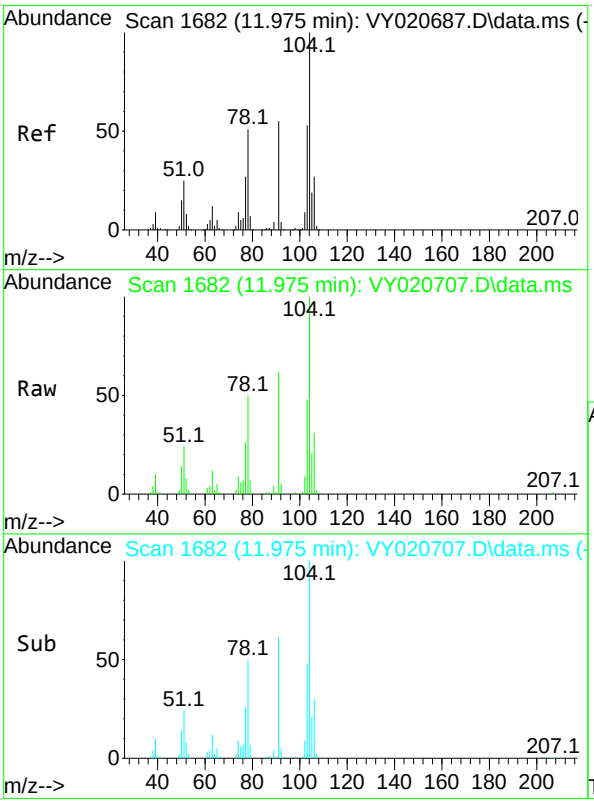
#69
o-Xylene
Concen: 10.682 ug/l
RT: 11.962 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 17878

Ion	Ratio	Lower	Upper
106	100		
91	215.5	108.6	325.8

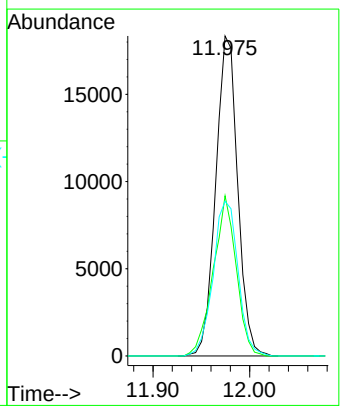


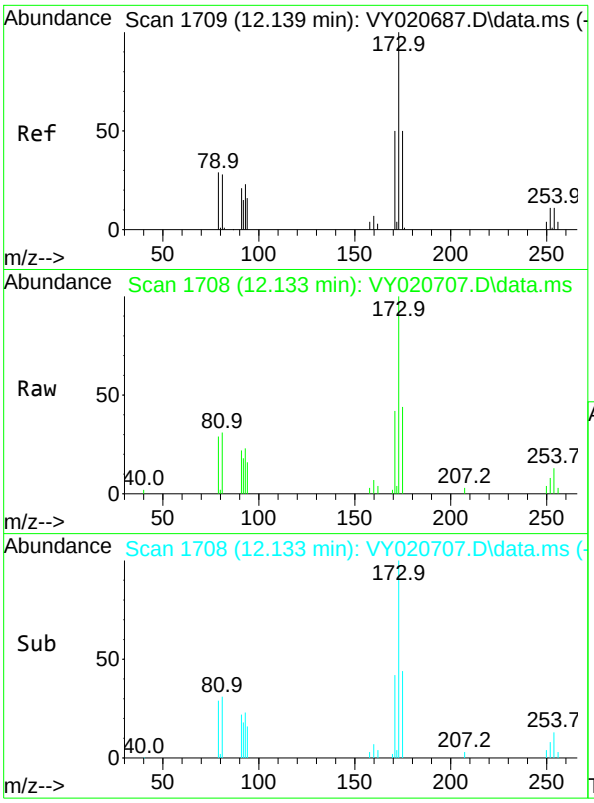


#70
Styrene
Concen: 10.280 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:104 Resp: 28883

Ion	Ratio	Lower	Upper
104	100		
78	52.5	43.0	64.4
103	55.0	44.4	66.6



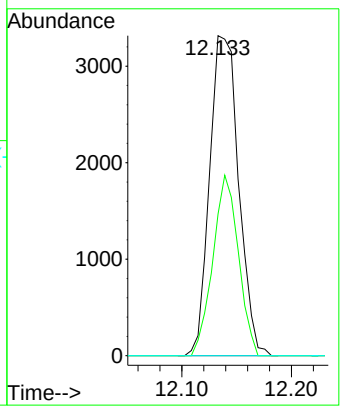


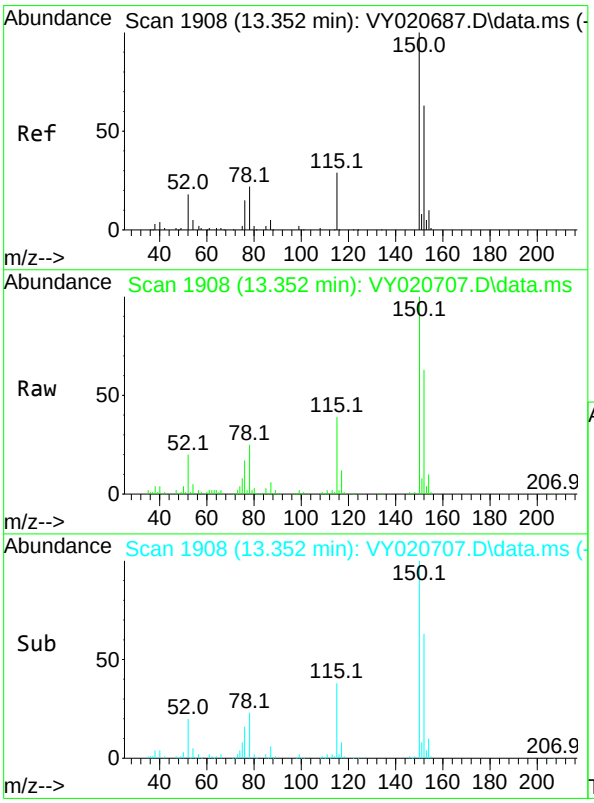
#71
Bromoform
Concen: 10.428 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:173 Resp: 6103

Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.2	72.6
254	0.0	0.0	0.0

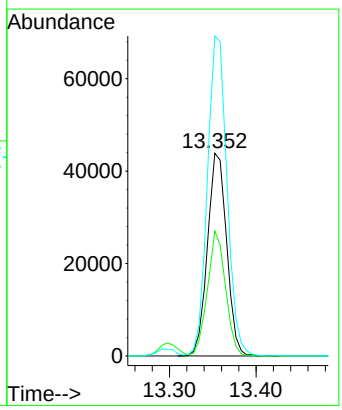


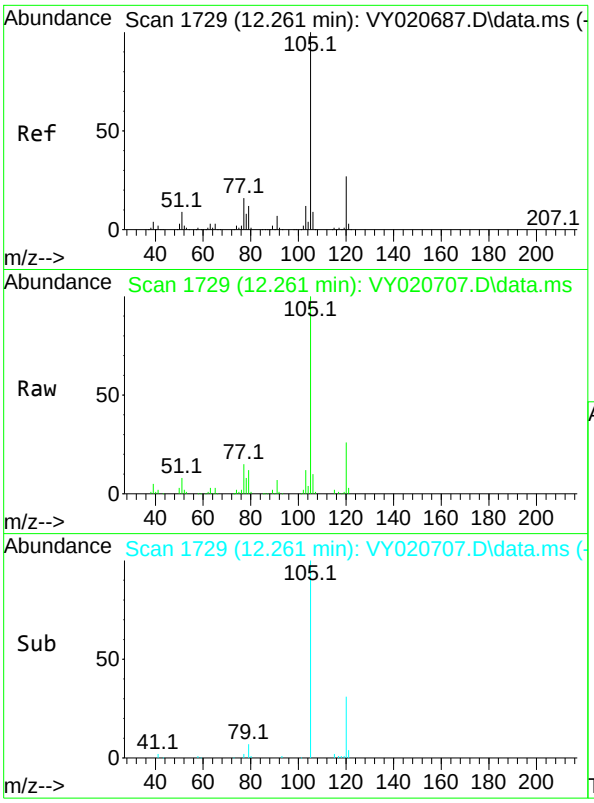


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:152 Resp: 67536

Ion	Ratio	Lower	Upper
152	100		
115	58.0	30.3	90.9
150	161.1	0.0	349.0



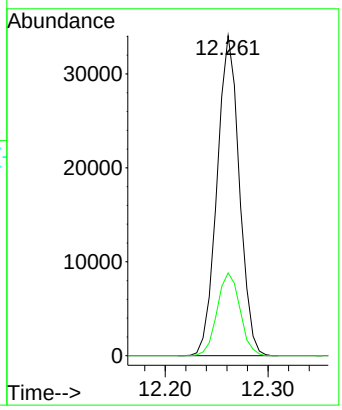


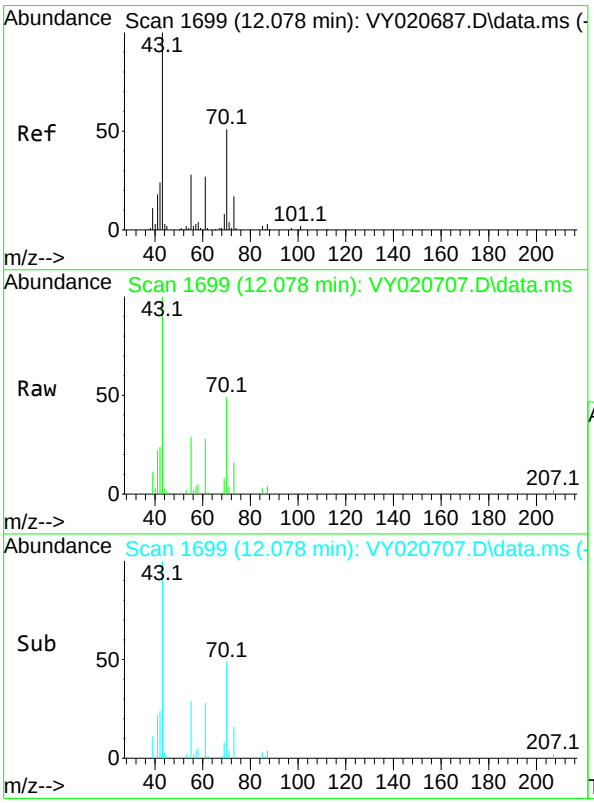
#73
Isopropylbenzene
Concen: 10.973 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 51343

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.3	39.9

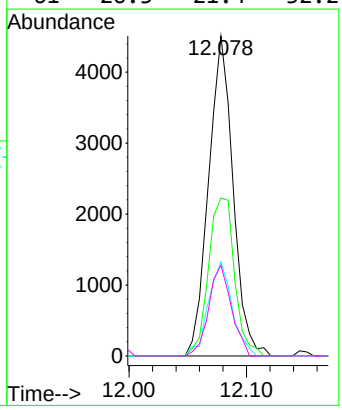


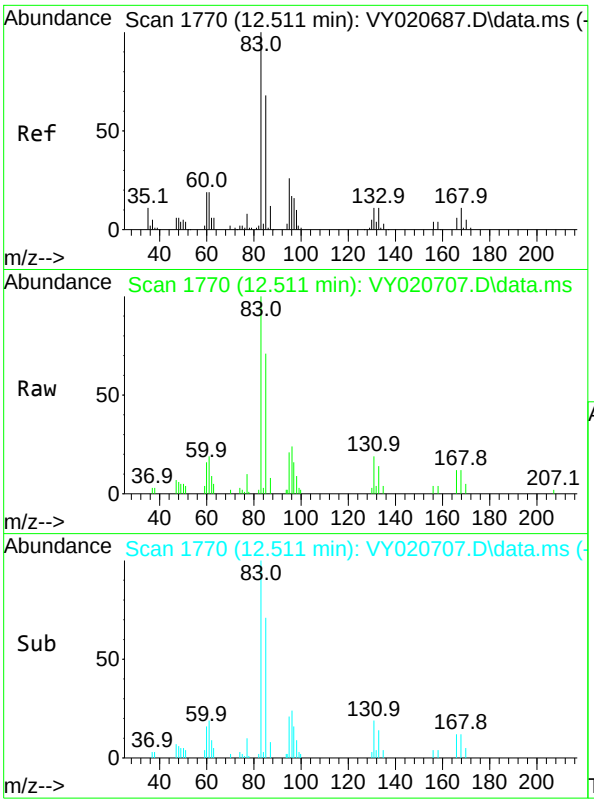


#74
N-amyl acetate
Concen: 9.813 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 43 Resp: 6525

Ion	Ratio	Lower	Upper
43	100		
70	52.6	39.7	59.5
55	28.7	21.5	32.3
61	26.3	21.4	32.2



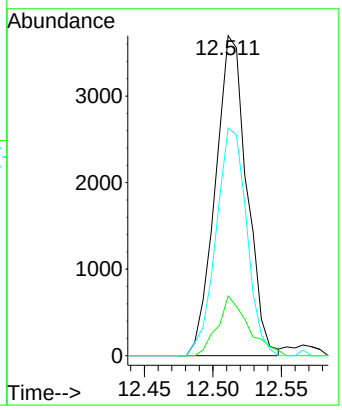


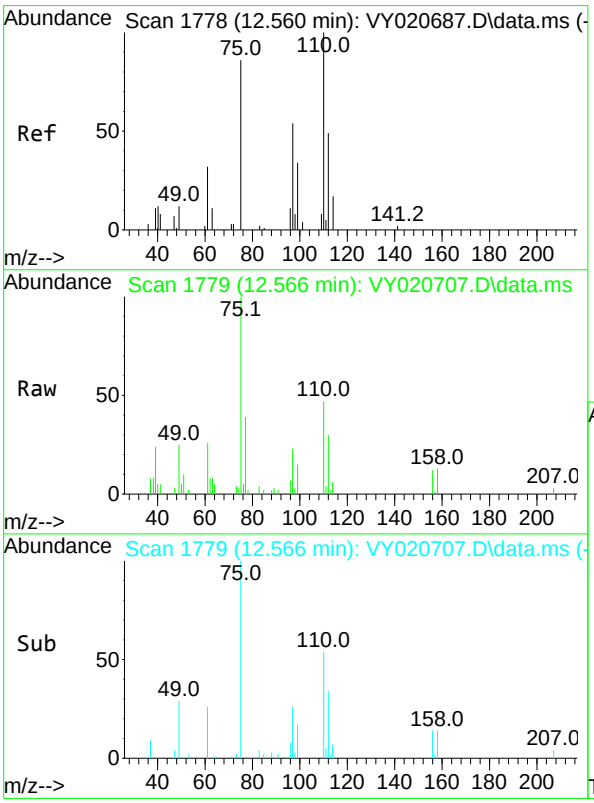
#75
1,1,2,2-Tetrachloroethane
Concen: 9.866 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 5918

Ion	Ratio	Lower	Upper
83	100		
131	18.1	6.9	20.7
85	69.1	32.5	97.4

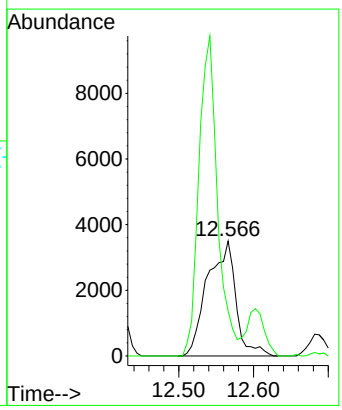


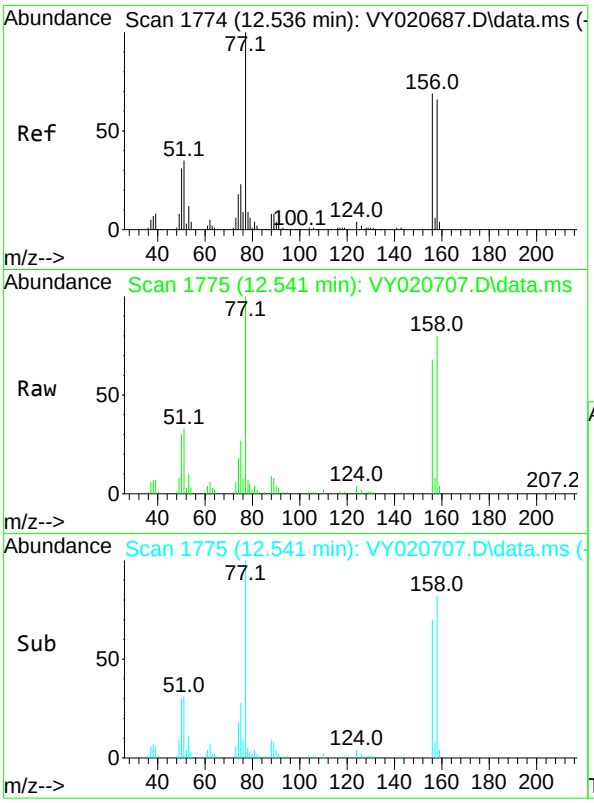


#76
1,2,3-Trichloropropane
Concen: 17.305 ug/l
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 75 Resp: 9219

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



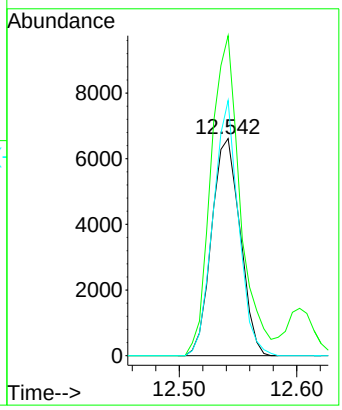


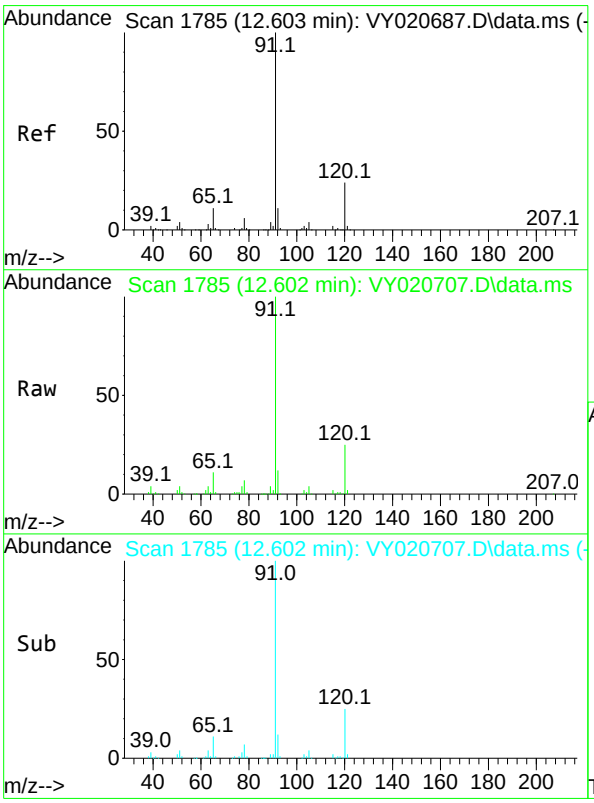
#77
Bromobenzene
Concen: 10.365 ug/l
RT: 12.541 min Scan# 1
Delta R.T. 0.005 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:156 Resp: 11164

Ion	Ratio	Lower	Upper
156	100		
77	151.2	78.3	235.0
158	105.0	48.3	144.9

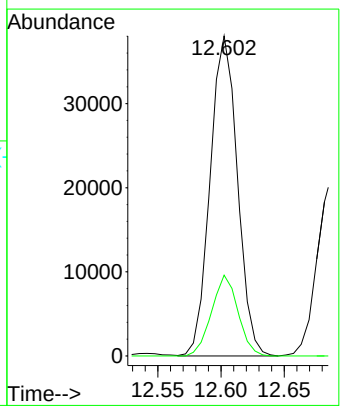


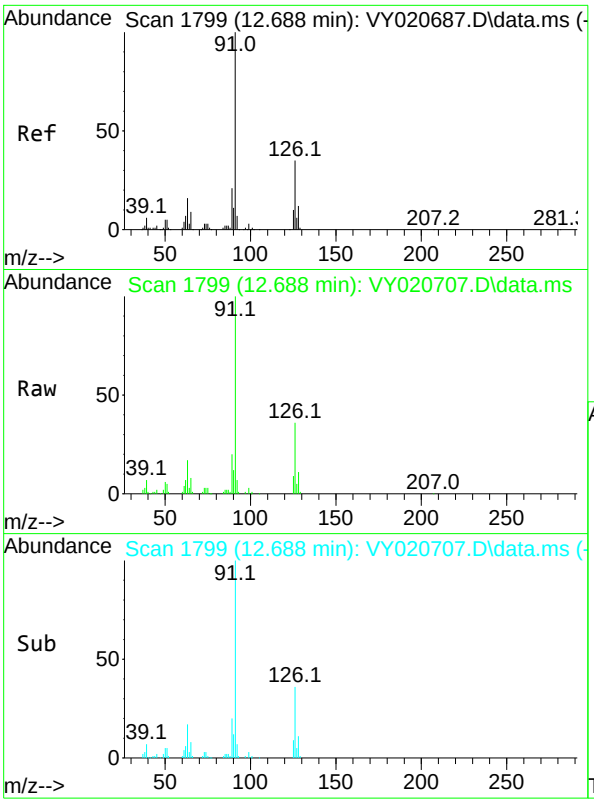


#78
n-propylbenzene
Concen: 10.898 ug/l
RT: 12.602 min Scan# 1785
Delta R.T. -0.001 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 91 Resp: 57154

Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.3	36.8



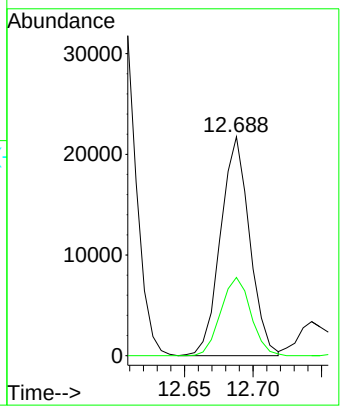


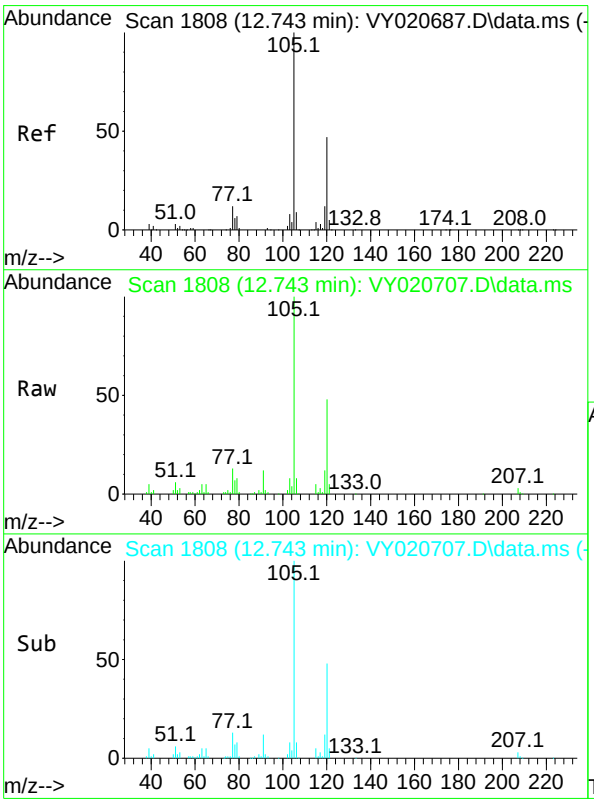
#79
2-Chlorotoluene
Concen: 10.745 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 32123

Ion	Ratio	Lower	Upper
91	100		
126	36.8	17.8	53.3

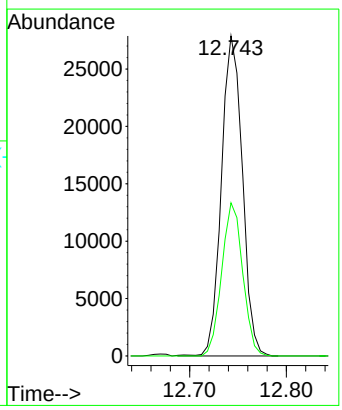


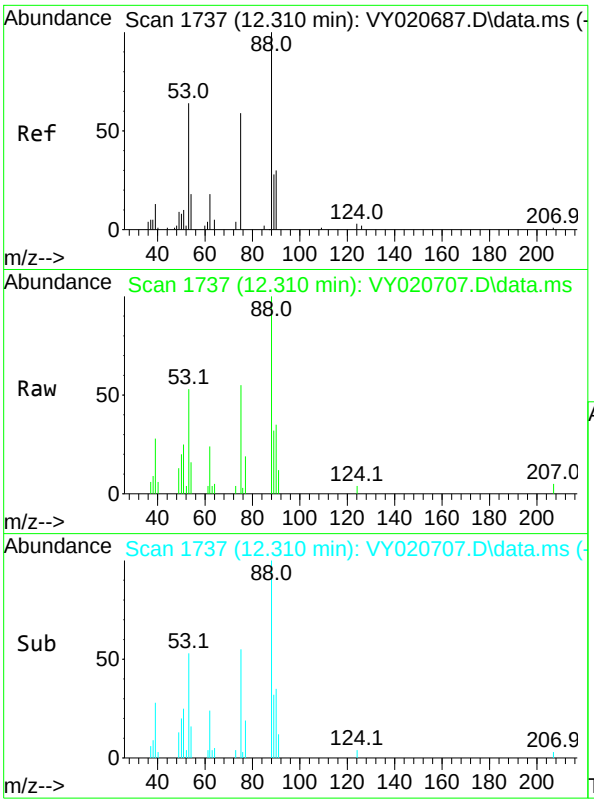


#80
1,3,5-Trimethylbenzene
Concen: 10.746 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:105 Resp: 41891

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.9	71.7



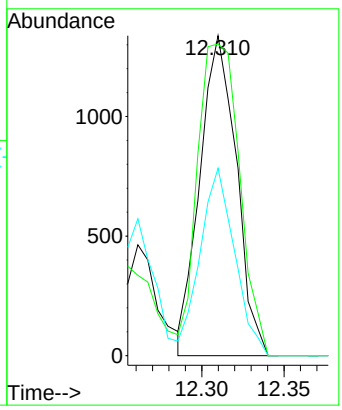


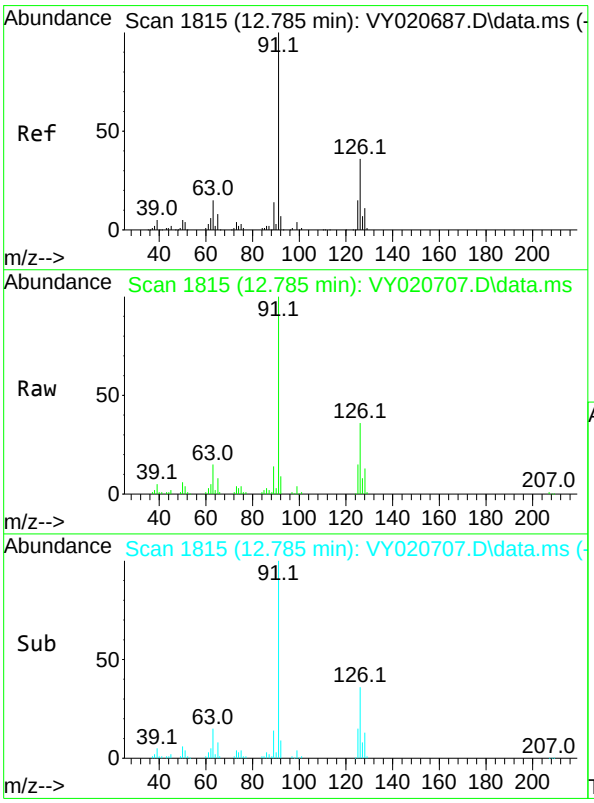
#81
trans-1,4-Dichloro-2-butene
Concen: 9.480 ug/l
RT: 12.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 2060

Ion	Ratio	Lower	Upper
75	100		
53	112.3	83.1	124.7
89	55.5	40.6	61.0

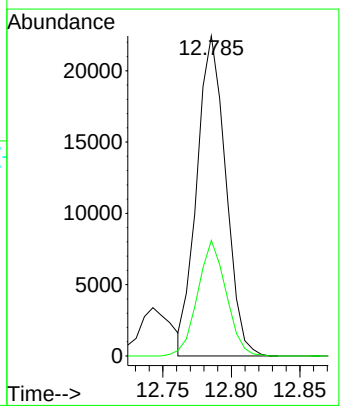


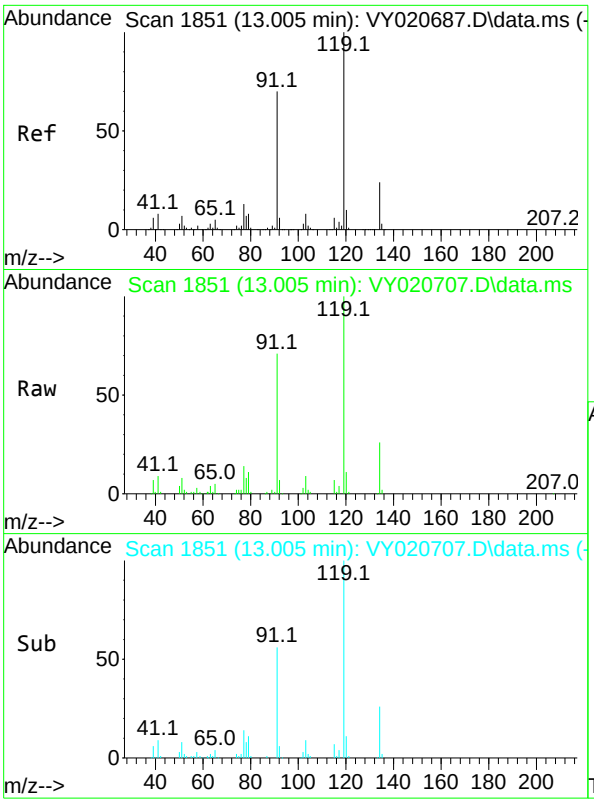


#82
4-Chlorotoluene
Concen: 10.654 ug/l
RT: 12.785 min Scan# 1815
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 91 Resp: 32918

Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.8	53.5



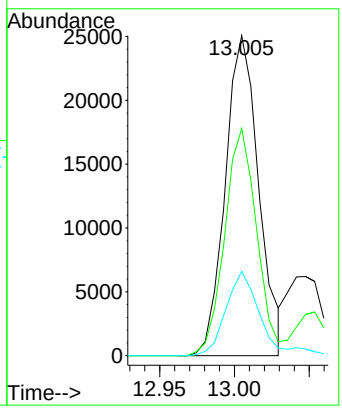


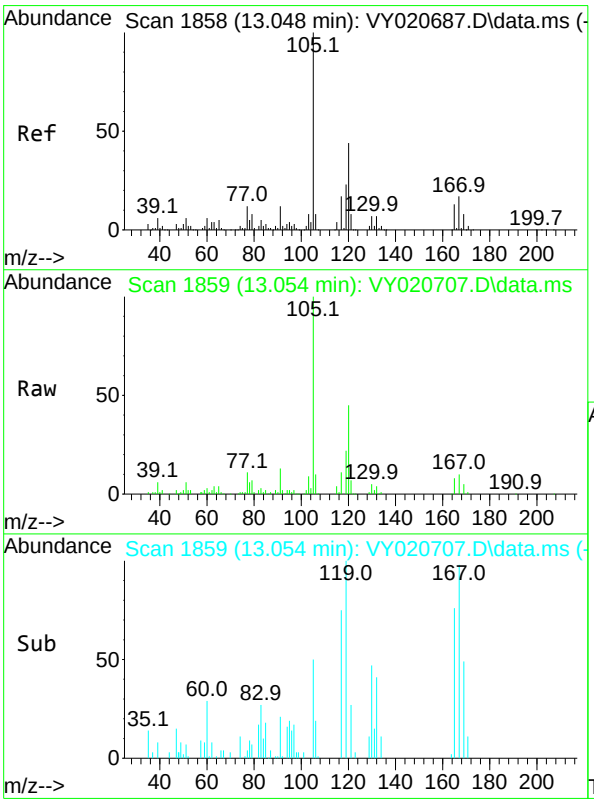
#83
tert-Butylbenzene
Concen: 10.714 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:119 Resp: 39005

Ion	Ratio	Lower	Upper
119	100		
91	67.5	33.6	100.8
134	27.2	13.4	40.2

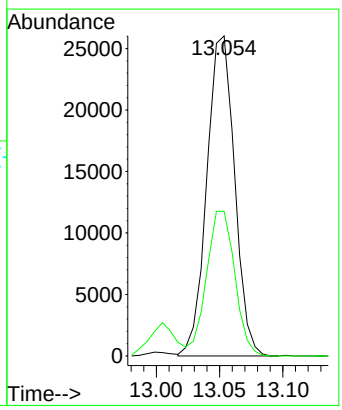


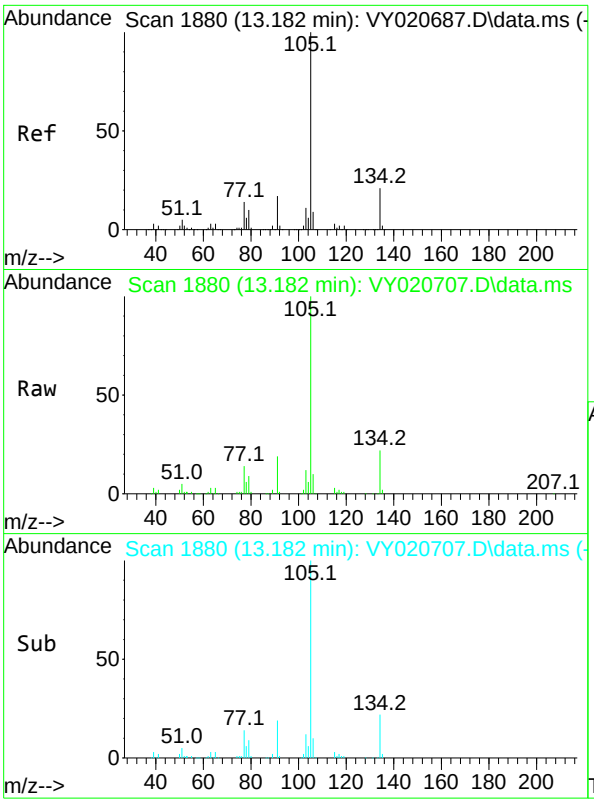


#84
1,2,4-Trimethylbenzene
Concen: 10.489 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:105 Resp: 39791

Ion	Ratio	Lower	Upper
105	100		
120	46.1	21.8	65.3



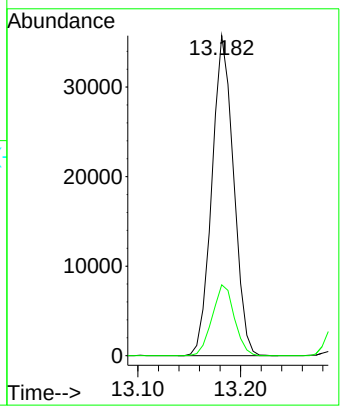


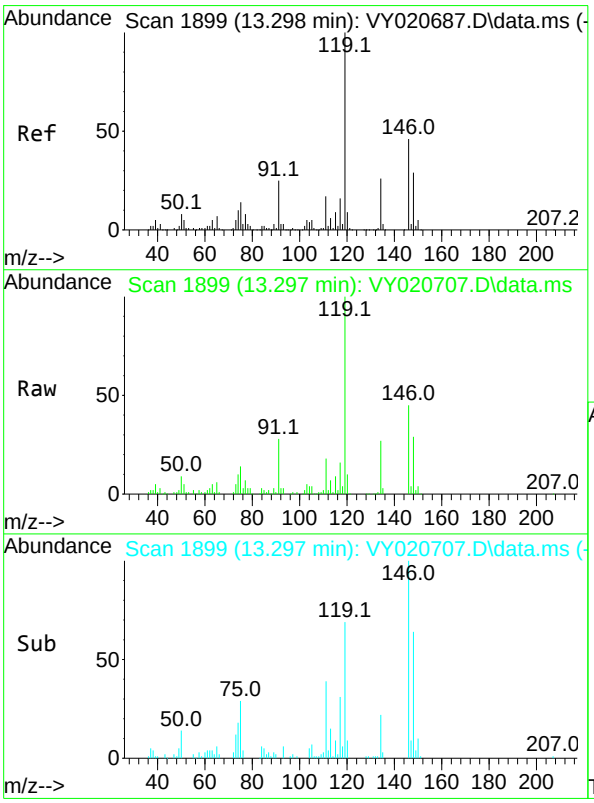
#85
sec-Butylbenzene
Concen: 10.682 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 52410

Ion	Ratio	Lower	Upper
105	100		
134	22.6	10.7	32.1

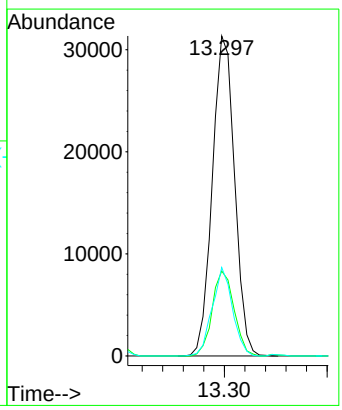


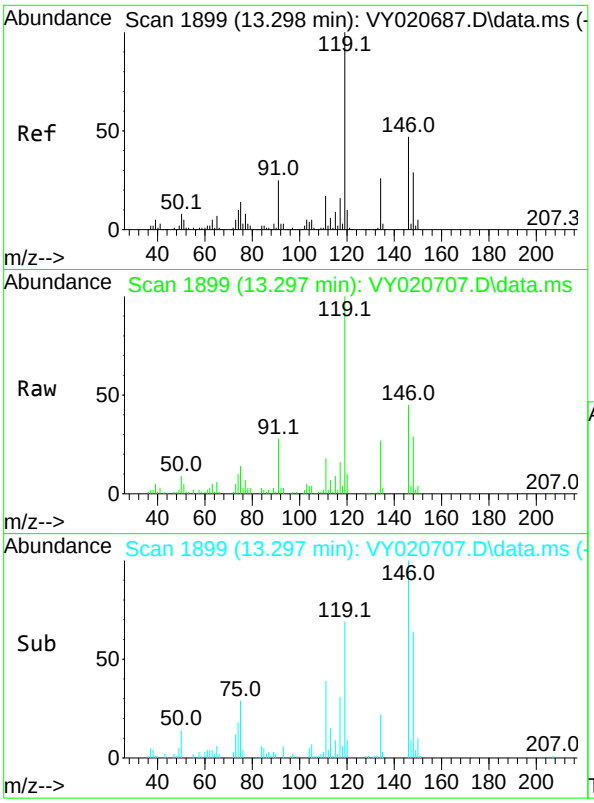


#86
p-Isopropyltoluene
Concen: 10.773 ug/l
RT: 13.297 min Scan# 1899
Delta R.T. -0.001 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:119 Resp: 47106

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.4	40.2
91	25.2	12.9	38.6



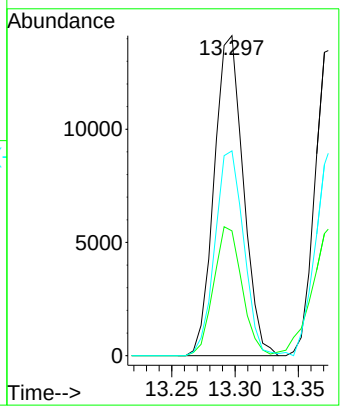


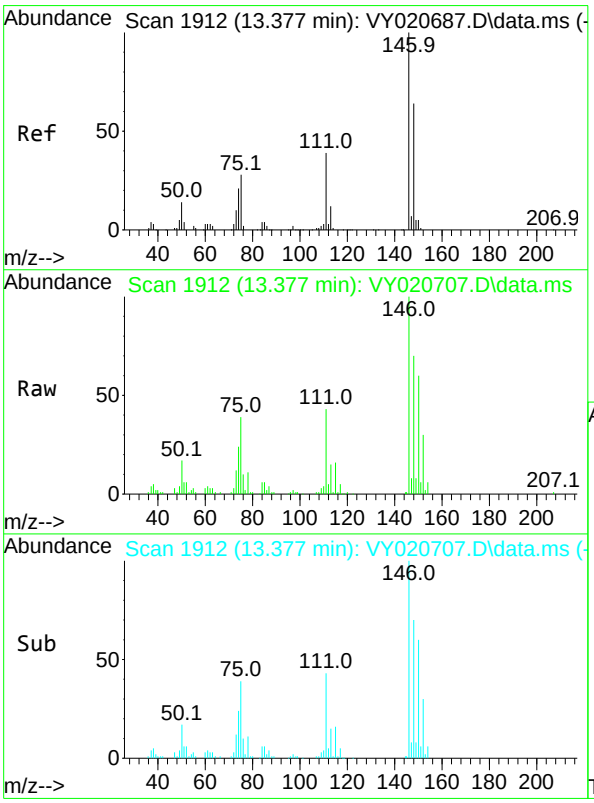
#87
1,3-Dichlorobenzene
Concen: 10.715 ug/l
RT: 13.297 min Scan# 1
Delta R.T. -0.001 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 22556

Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.3	57.8
148	63.2	31.1	93.5

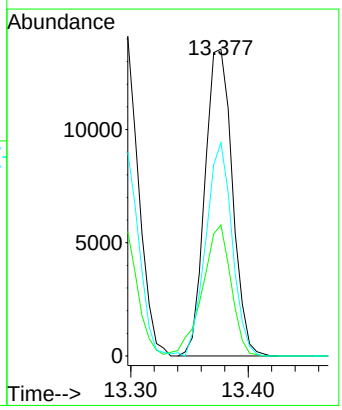


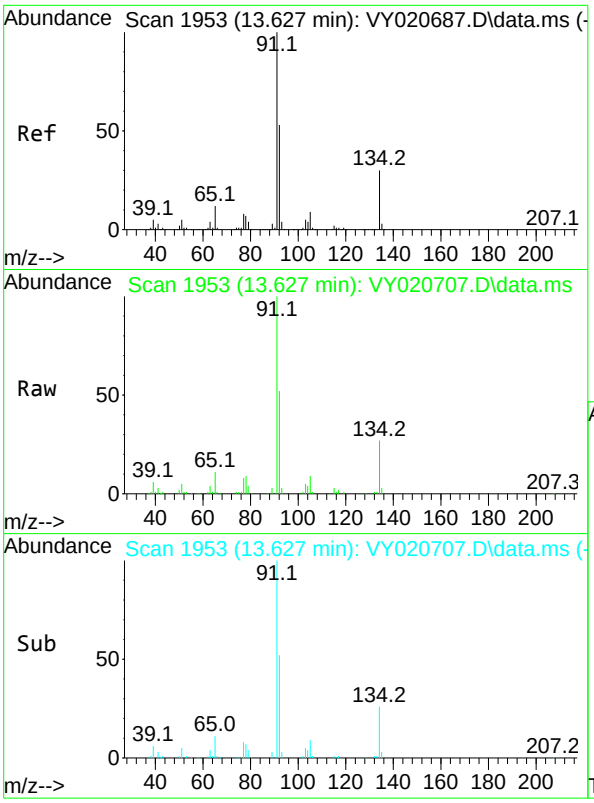


#88
1,4-Dichlorobenzene
Concen: 10.480 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:146 Resp: 21947

Ion	Ratio	Lower	Upper
146	100		
111	44.6	19.7	59.0
148	66.7	32.8	98.3



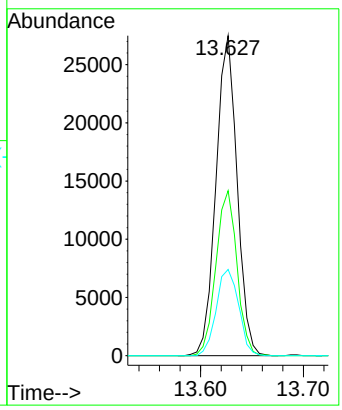


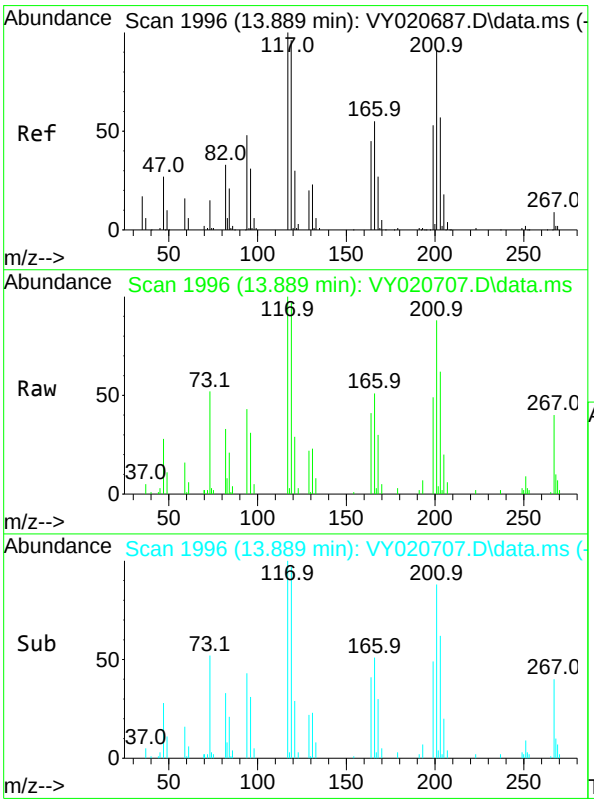
#89
n-Butylbenzene
Concen: 10.710 ug/l
RT: 13.627 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 39091

Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.1	78.2
134	28.6	14.8	44.4

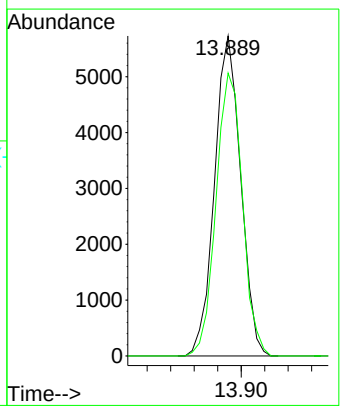


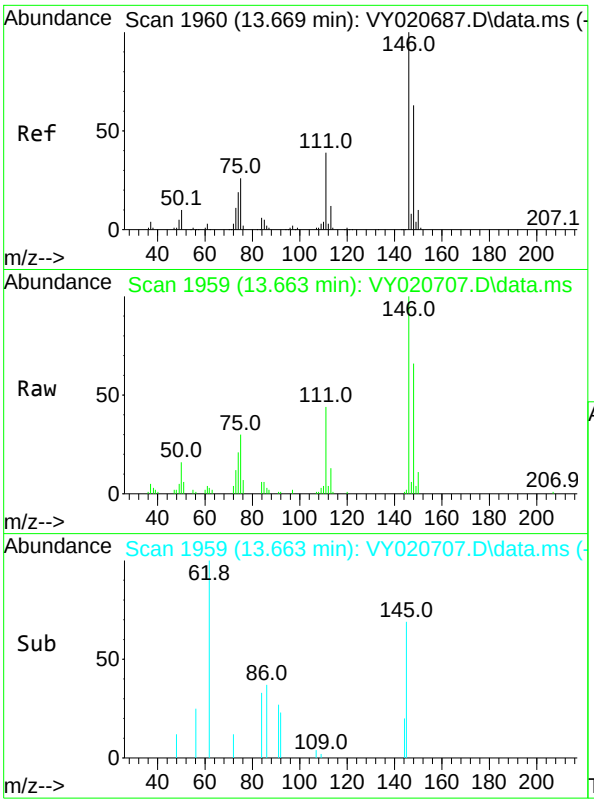


#90
Hexachloroethane
Concen: 10.680 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:117 Resp: 8880

Ion	Ratio	Lower	Upper
117	100		
201	89.0	44.9	134.7



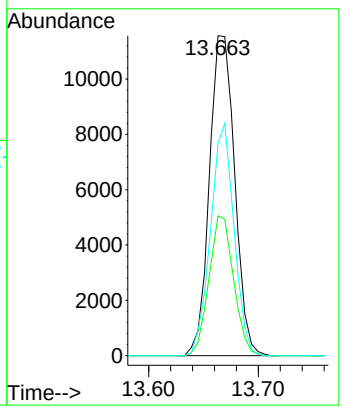


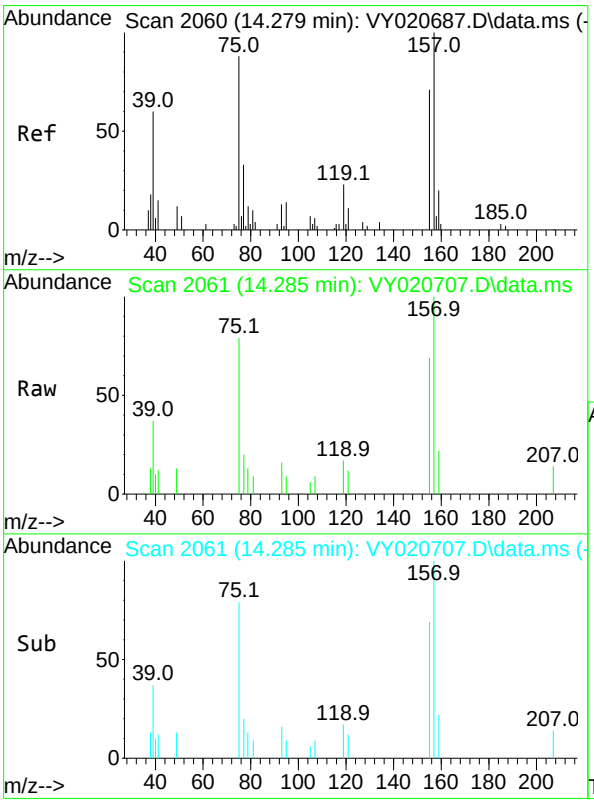
#91
1,2-Dichlorobenzene
Concen: 10.279 ug/l
RT: 13.663 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 18554

Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.3	60.8
148	67.5	31.9	95.5

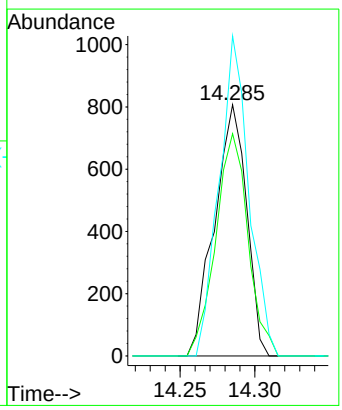


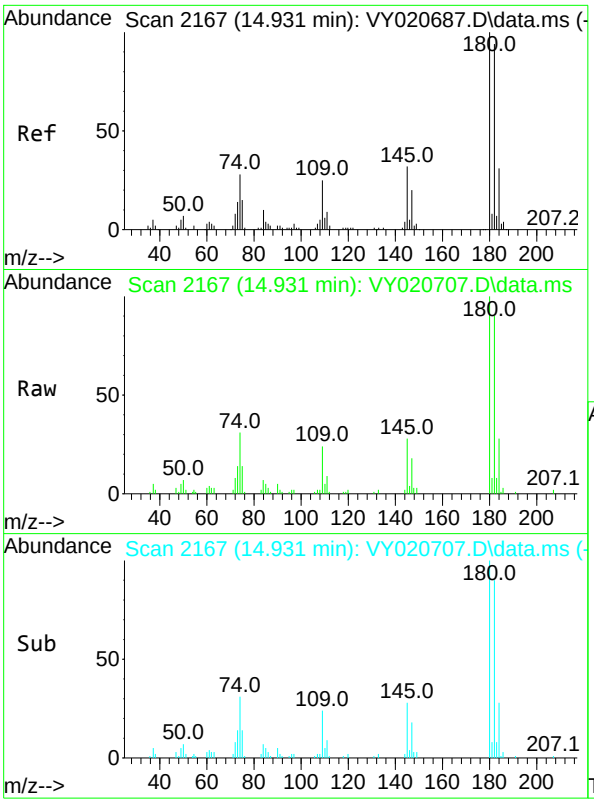


#92
1,2-Dibromo-3-Chloropropane
Concen: 10.298 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion: 75 Resp: 1198

Ion	Ratio	Lower	Upper
75	100		
155	89.3	43.4	130.2
157	118.9	58.6	175.7



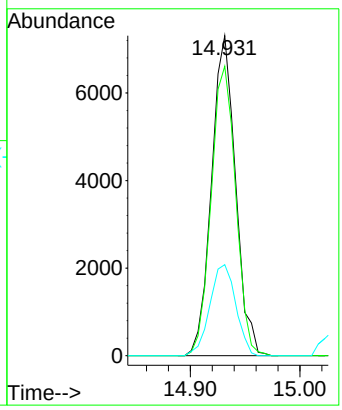


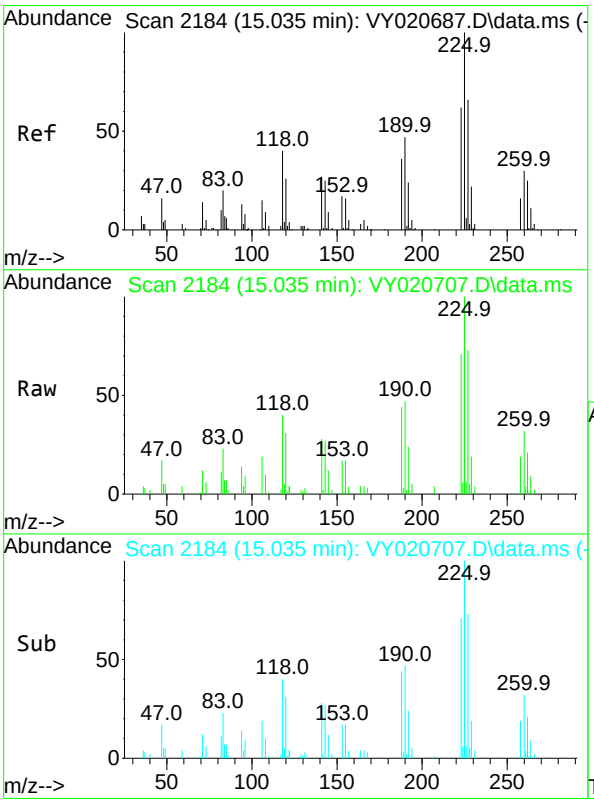
#93
1,2,4-Trichlorobenzene
Concen: 9.721 ug/l
RT: 14.931 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:180 Resp: 11153

Ion	Ratio	Lower	Upper
180	100		
182	92.1	47.9	143.7
145	30.7	15.6	46.8

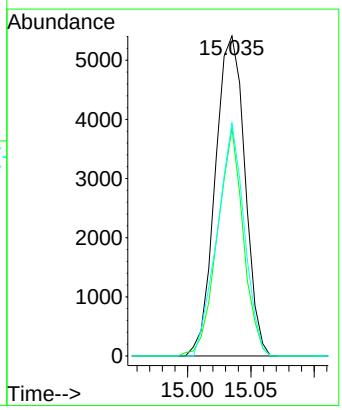


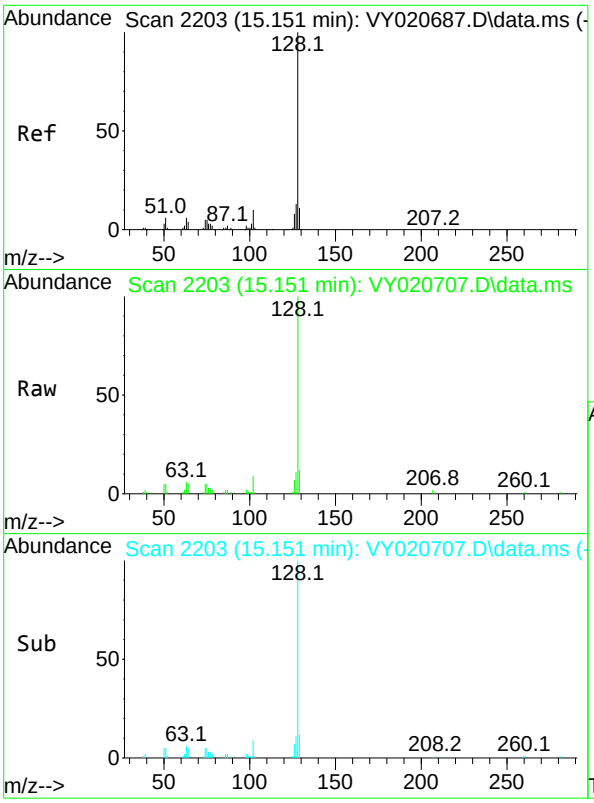


#94
Hexachlorobutadiene
Concen: 10.534 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:225 Resp: 8808

Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.3	93.8
227	66.4	32.1	96.5



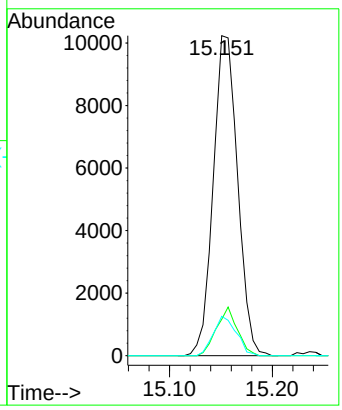


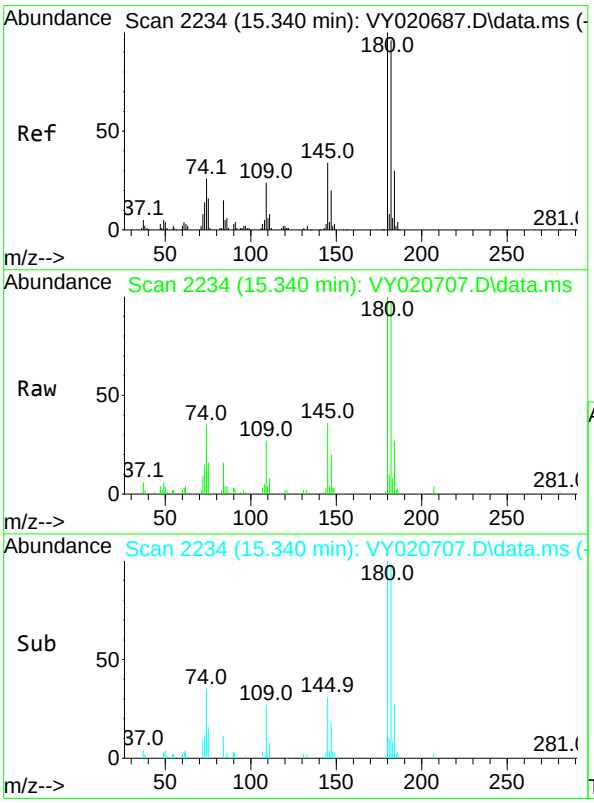
#95
Naphthalene
Concen: 9.174 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:128 Resp: 16857

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	11.6	8.6	12.8

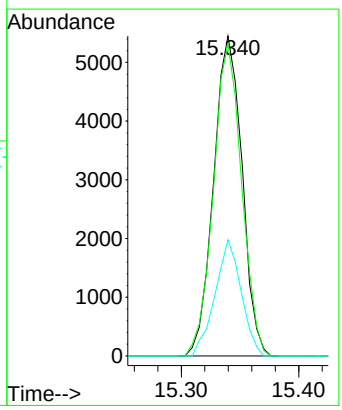




#96
1,2,3-Trichlorobenzene
Concen: 9.584 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. -0.000 min
Lab File: VY020707.D
Acq: 26 Dec 2024 09:53

Tgt Ion:180 Resp: 9155

Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.4	142.2
145	33.4	16.7	50.1



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020708.D
Acq On : 26 Dec 2024 10:16
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Dec 26 16:05:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.720	168	124056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	173311	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	146011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	74311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	15547	15.300	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	30.600%#		
35) Dibromofluoromethane	7.646	113	16110	16.876	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	33.760%#		
50) Toluene-d8	10.115	98	50794	14.644	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	29.280%#		
62) 4-Bromofluorobenzene	12.414	95	22093	17.414	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	34.820%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	18601	19.049	ug/l	92
3) Chloromethane	2.074	50	6487	17.813	ug/l	96
4) Vinyl Chloride	2.214	62	8742	19.375	ug/l	98
5) Bromomethane	2.611	94	6370	18.699	ug/l	96
6) Chloroethane	2.745	64	5058	18.687	ug/l	96
7) Trichlorofluoromethane	3.074	101	34026	19.610	ug/l	99
8) Diethyl Ether	3.470	74	7737	18.739	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	18742	19.675	ug/l	97
10) Methyl Iodide	4.019	142	19652	18.866	ug/l	99
11) Tert butyl alcohol	4.897	59	6567	90.235	ug/l #	88
12) 1,1-Dichloroethene	3.806	96	16374	19.312	ug/l	93
13) Acrolein	3.665	56	2867	134.971	ug/l	94
14) Allyl chloride	4.403	41	19316	19.468	ug/l	96
15) Acrylonitrile	5.074	53	14919	93.535	ug/l	99
16) Acetone	3.885	43	11272	87.443	ug/l	99
17) Carbon Disulfide	4.123	76	38140	18.338	ug/l	96
18) Methyl Acetate	4.403	43	6527	18.708	ug/l	93
19) Methyl tert-butyl Ether	5.135	73	45739	19.355	ug/l	97
20) Methylene Chloride	4.629	84	16287	19.426	ug/l	87
21) trans-1,2-Dichloroethene	5.128	96	17672	19.342	ug/l	96
22) Diisopropyl ether	6.031	45	39891	19.778	ug/l	97
23) Vinyl Acetate	5.976	43	116269	96.512	ug/l	99
24) 1,1-Dichloroethane	5.939	63	29556	19.545	ug/l	98
25) 2-Butanone	6.903	43	16336	93.814	ug/l	95
26) 2,2-Dichloropropane	6.903	77	35847	19.368	ug/l	99
27) cis-1,2-Dichloroethene	6.909	96	21139	19.320	ug/l	98
28) Bromochloromethane	7.256	49	6388	15.974	ug/l	93
29) Tetrahydrofuran	7.274	42	9908	92.698	ug/l	94
30) Chloroform	7.433	83	37350	19.200	ug/l	97
31) Cyclohexane	7.720	56	24456	18.736	ug/l #	95
32) 1,1,1-Trichloroethane	7.628	97	40987	19.656	ug/l	99
36) 1,1-Dichloropropene	7.848	75	24262	19.240	ug/l	98
37) Ethyl Acetate	6.994	43	8299	19.972	ug/l	96
38) Carbon Tetrachloride	7.829	117	40302	19.409	ug/l	96
39) Methylcyclohexane	9.116	83	32007	19.803	ug/l	94
40) Benzene	8.091	78	72108	19.731	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020708.D
Acq On : 26 Dec 2024 10:16
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Dec 26 16:05:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	4661	22.206	ug/l		97
42) 1,2-Dichloroethane	8.171	62	22531	19.227	ug/l		99
43) Isopropyl Acetate	8.207	43	16635	18.834	ug/l		98
44) Trichloroethene	8.878	130	21859	20.026	ug/l		88
45) 1,2-Dichloropropane	9.152	63	14245	19.256	ug/l		92
46) Dibromomethane	9.238	93	9719	18.988	ug/l		97
47) Bromodichloromethane	9.433	83	28737	19.803	ug/l		96
48) Methyl methacrylate	9.225	41	7787	18.879	ug/l		99
49) 1,4-Dioxane	9.238	88	1825	374.309	ug/l		94
51) 4-Methyl-2-Pentanone	10.006	43	40592	95.218	ug/l		99
52) Toluene	10.176	92	50060	19.986	ug/l		99
53) t-1,3-Dichloropropene	10.402	75	24428	19.166	ug/l		99
54) cis-1,3-Dichloropropene	9.865	75	27417	19.625	ug/l		99
55) 1,1,2-Trichloroethane	10.579	97	12886	19.722	ug/l		94
56) Ethyl methacrylate	10.445	69	16830	19.607	ug/l		97
57) 1,3-Dichloropropane	10.725	76	20740	19.558	ug/l		96
58) 2-Chloroethyl Vinyl ether	9.719	63	27533	91.985	ug/l		99
59) 2-Hexanone	10.768	43	27109	96.312	ug/l		100
60) Dibromochloromethane	10.920	129	20354	19.279	ug/l		99
61) 1,2-Dibromoethane	11.018	107	12098	19.678	ug/l		97
64) Tetrachloroethene	10.658	164	20307	20.357	ug/l		97
65) Chlorobenzene	11.451	112	56993	19.935	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.524	131	21420	19.338	ug/l		96
67) Ethyl Benzene	11.524	91	100148	20.042	ug/l		99
68) m/p-Xylenes	11.633	106	75856	39.796	ug/l		99
69) o-Xylene	11.963	106	37301	20.482	ug/l		96
70) Styrene	11.975	104	61946	20.262	ug/l		98
71) Bromoform	12.139	173	12354	19.400	ug/l	#	96
73) Isopropylbenzene	12.261	105	104274	20.254	ug/l		100
74) N-amyl acetate	12.078	43	14154	19.346	ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.511	83	13030	19.742	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	19407	33.108	ug/l	#	100
77) Bromobenzene	12.536	156	23151	19.534	ug/l		98
78) n-propylbenzene	12.603	91	118053	20.458	ug/l		99
79) 2-Chlorotoluene	12.688	91	66234	20.135	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	86460	20.157	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	4620	19.322	ug/l		91
82) 4-Chlorotoluene	12.786	91	68187	20.057	ug/l		100
83) tert-Butylbenzene	13.005	119	81757	20.410	ug/l		100
84) 1,2,4-Trimethylbenzene	13.048	105	85025	20.370	ug/l		97
85) sec-Butylbenzene	13.182	105	110869	20.536	ug/l		99
86) p-Isopropyltoluene	13.298	119	97722	20.311	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	46587	20.113	ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	46439	20.154	ug/l		98
89) n-Butylbenzene	13.627	91	82147	20.454	ug/l		99
90) Hexachloroethane	13.889	117	17856	19.517	ug/l		98
91) 1,2-Dichlorobenzene	13.664	146	40471	20.378	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	2548	19.905	ug/l		97
93) 1,2,4-Trichlorobenzene	14.932	180	24098	19.089	ug/l		97
94) Hexachlorobutadiene	15.029	225	18082	19.654	ug/l		99
95) Naphthalene	15.151	128	38351	18.968	ug/l		98
96) 1,2,3-Trichlorobenzene	15.340	180	20167	19.187	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020708.D
Acq On : 26 Dec 2024 10:16
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Dec 26 16:05:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

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

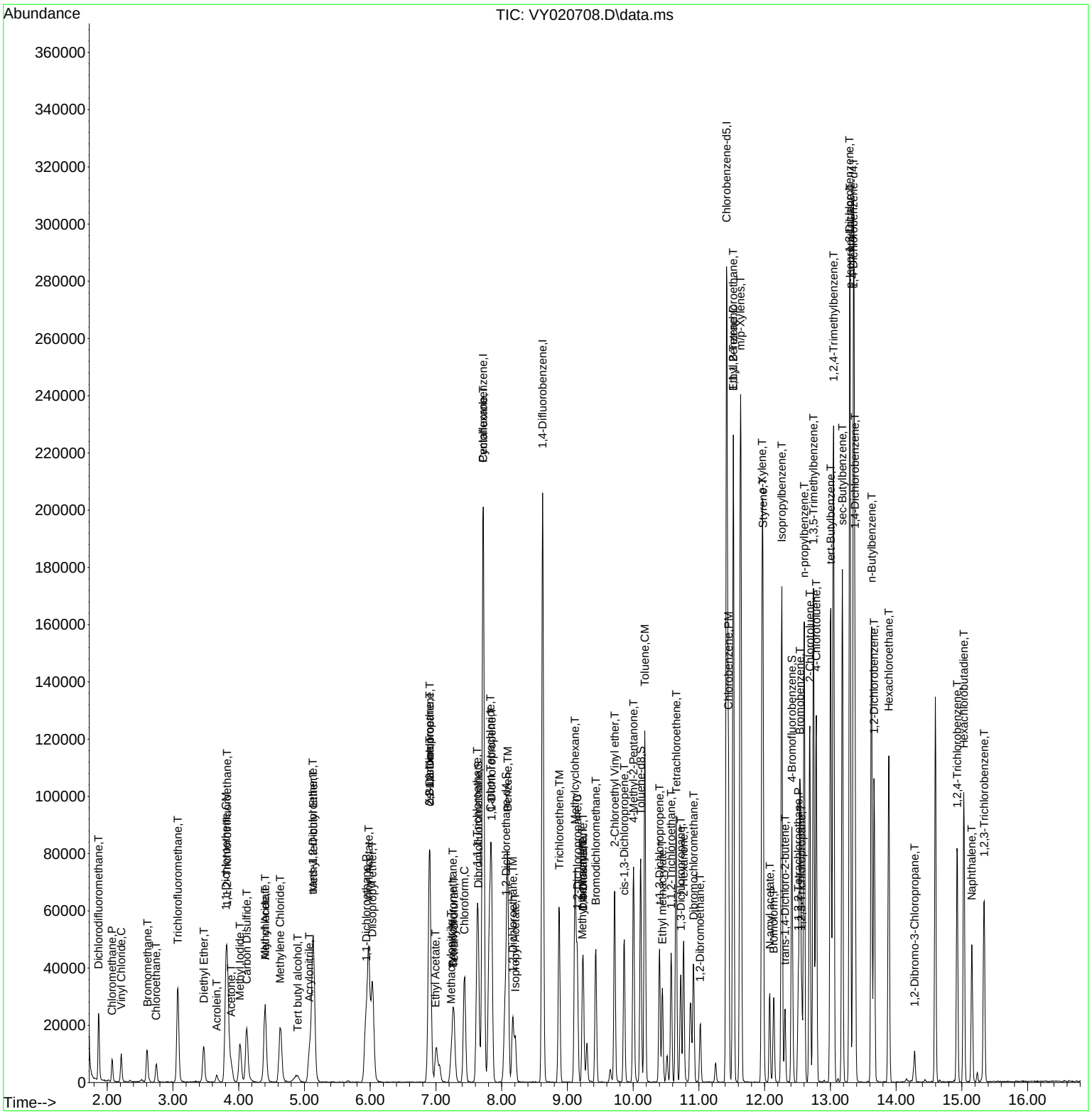
(#) = qualifier out of range (m) = manual integration (+) = signals summed

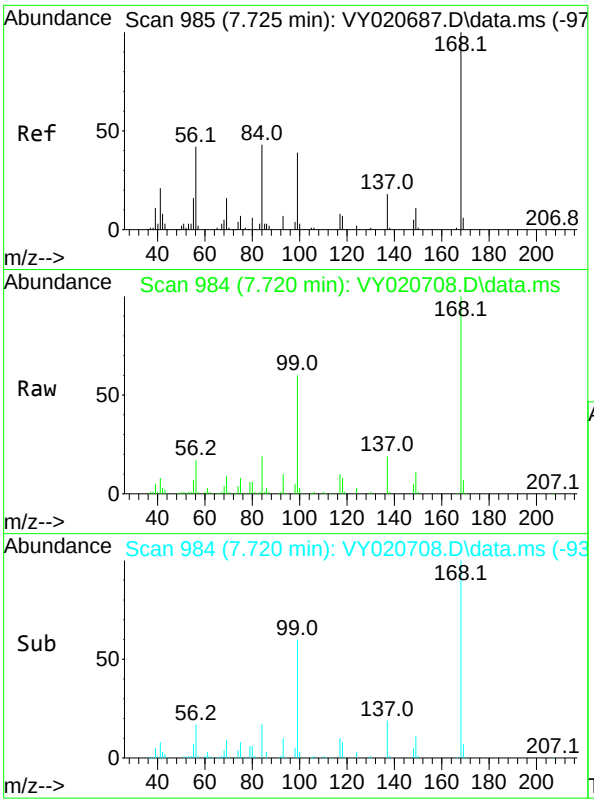
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020708.D
Acq On : 26 Dec 2024 10:16
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Dec 26 16:05:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration



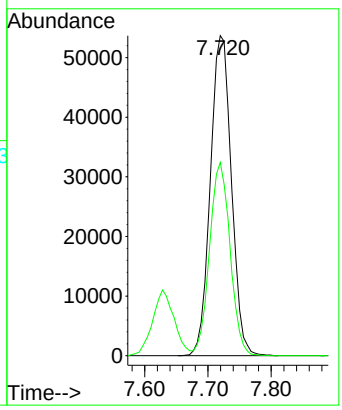


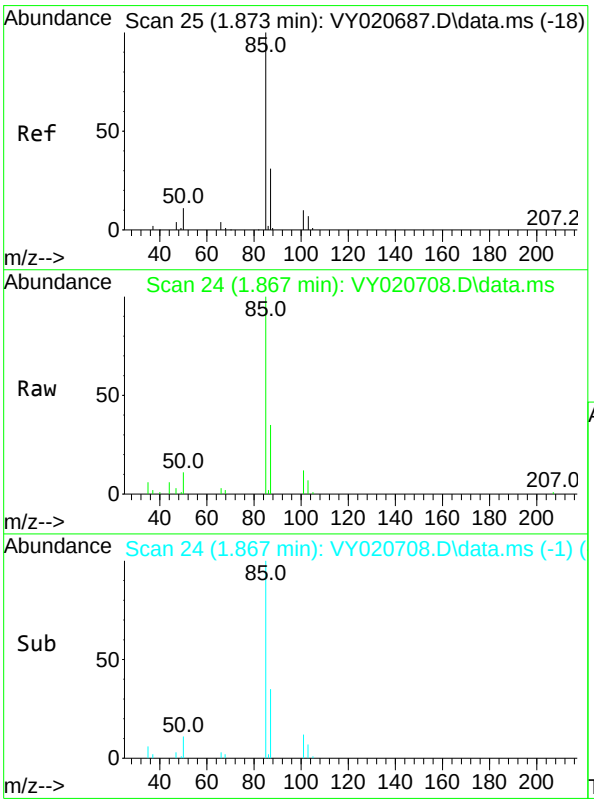
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 9
Delta R.T. -0.005 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 124056

Ion	Ratio	Lower	Upper
168	100		
99	60.4	43.8	65.6

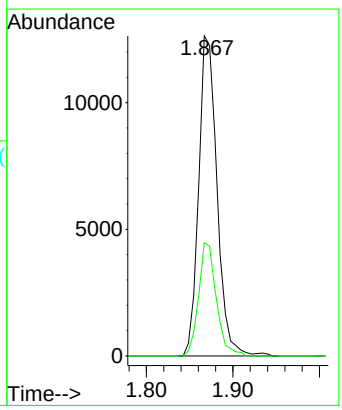


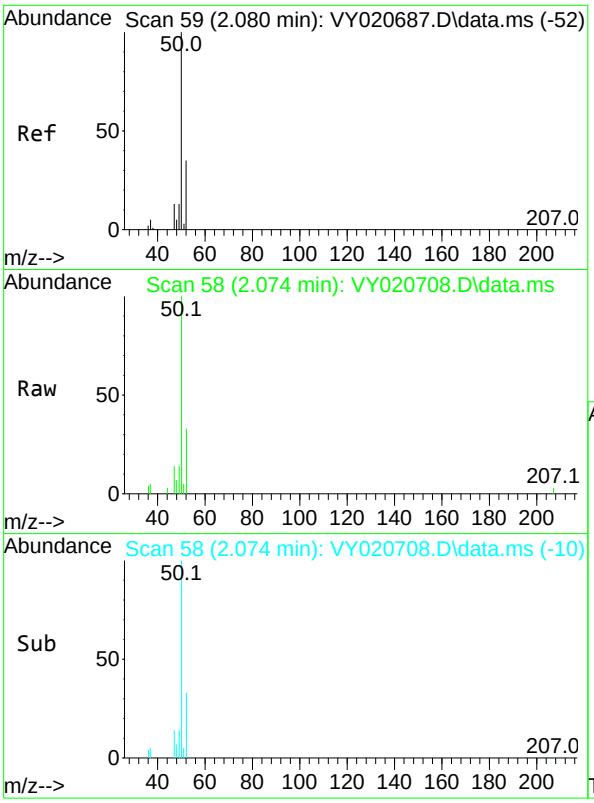


#2
Dichlorodifluoromethane
Concen: 19.049 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 85 Resp: 18601

Ion	Ratio	Lower	Upper
85	100		
87	35.4	15.4	46.4



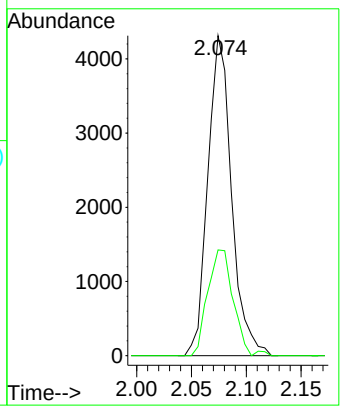


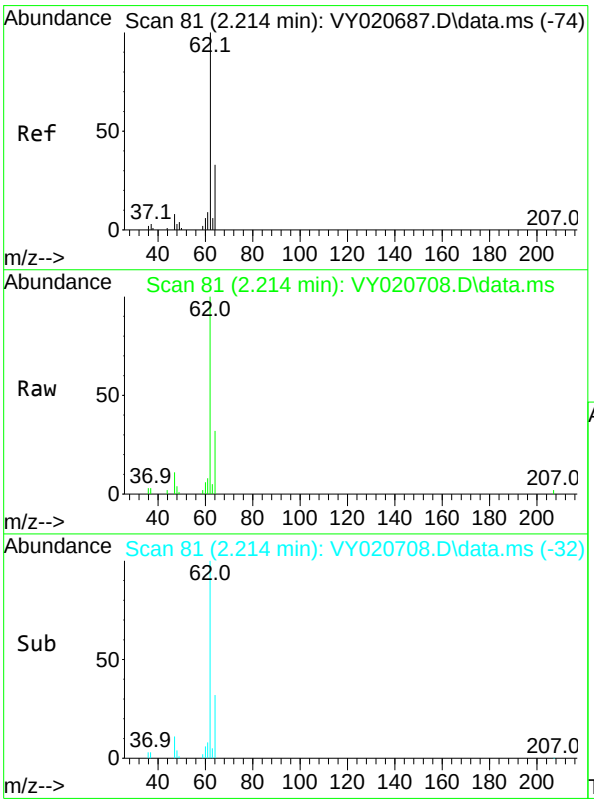
#3
Chloromethane
Concen: 17.813 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 6487

Ion	Ratio	Lower	Upper
50	100		
52	33.0	28.2	42.2

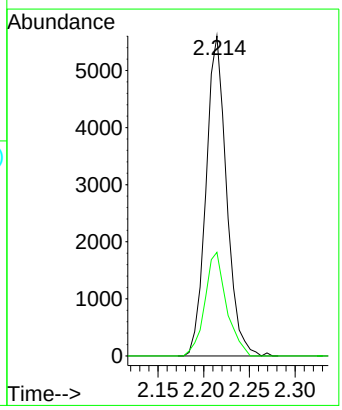


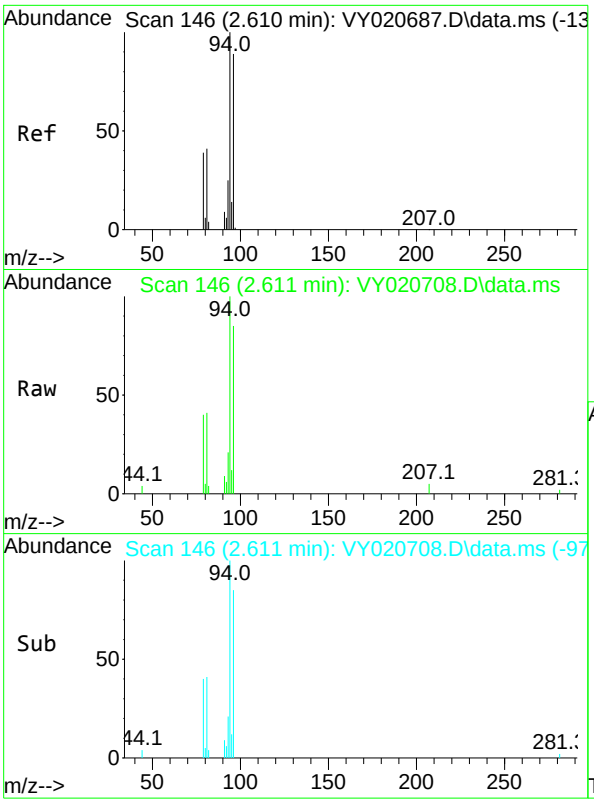


#4
Vinyl Chloride
Concen: 19.375 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 62 Resp: 8742

Ion	Ratio	Lower	Upper
62	100		
64	32.4	26.6	40.0



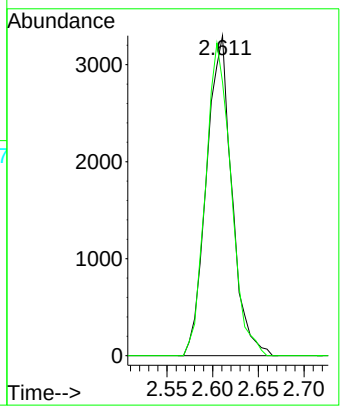


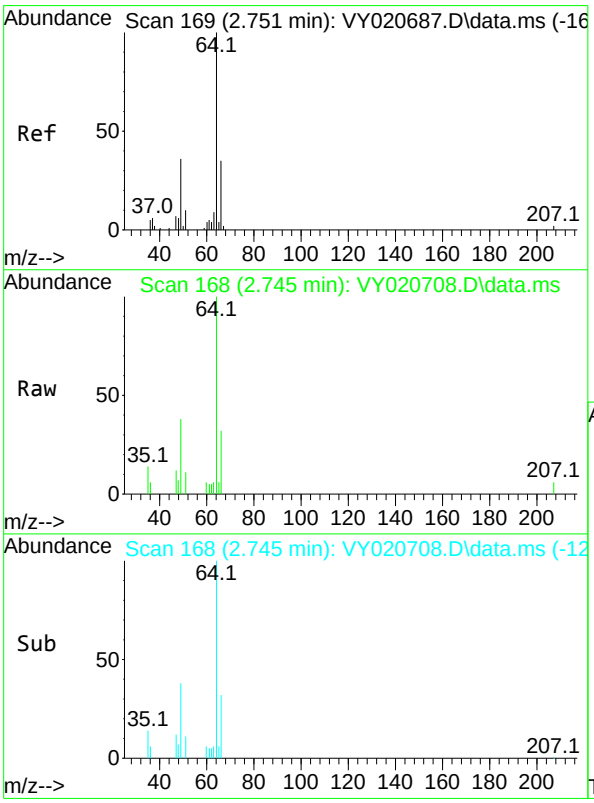
#5
Bromomethane
Concen: 18.699 ug/l
RT: 2.611 min Scan# 14
Delta R.T. 0.001 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 6370

Ion	Ratio	Lower	Upper
94	100		
96	85.5	71.0	106.6

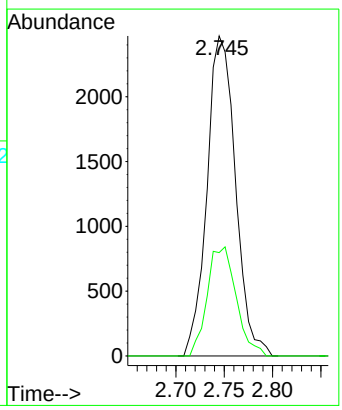


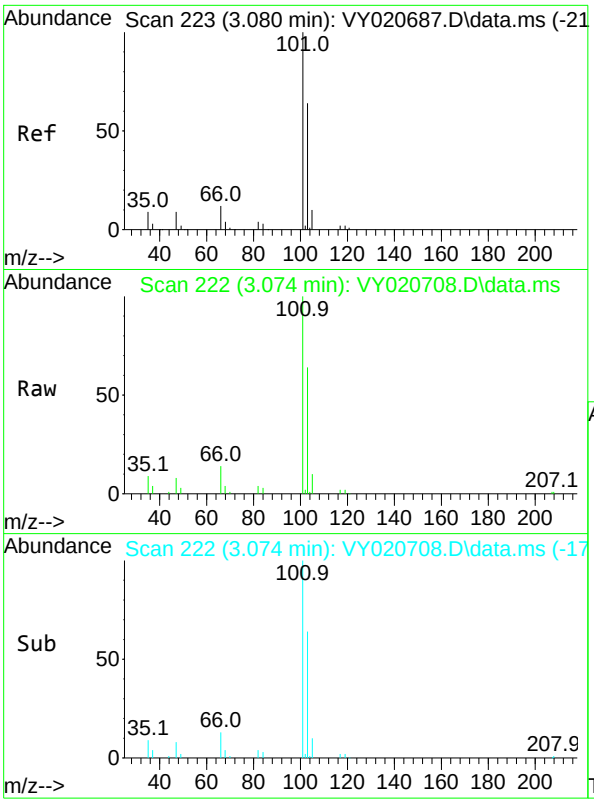


#6
Chloroethane
Concen: 18.687 ug/l
RT: 2.745 min Scan# 168
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 64 Resp: 5058

Ion	Ratio	Lower	Upper
64	100		
66	32.3	27.8	41.8



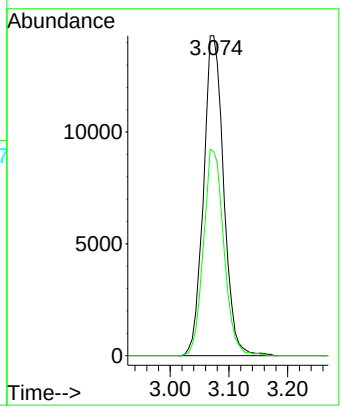


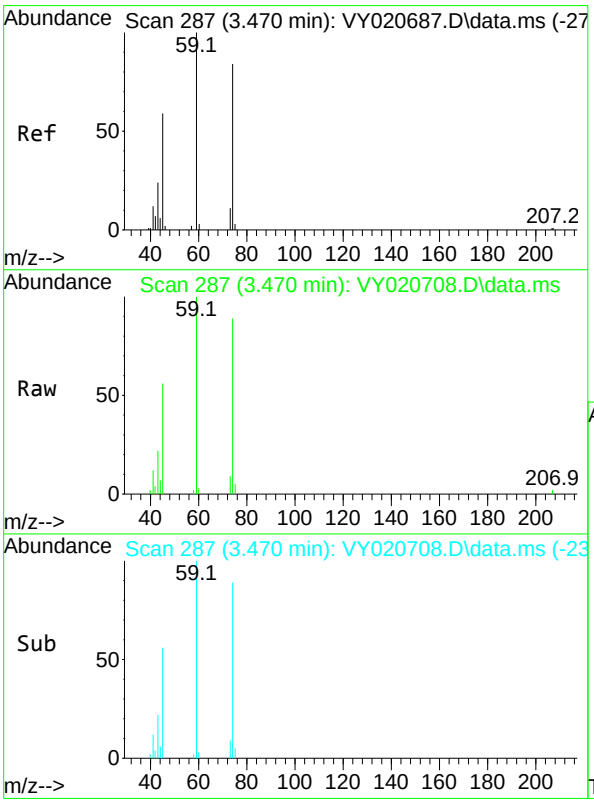
#7
Trichlorofluoromethane
Concen: 19.610 ug/l
RT: 3.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 34026

Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.4	77.0

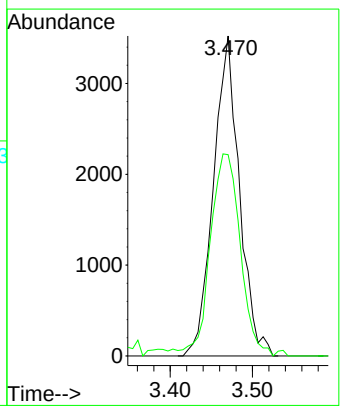


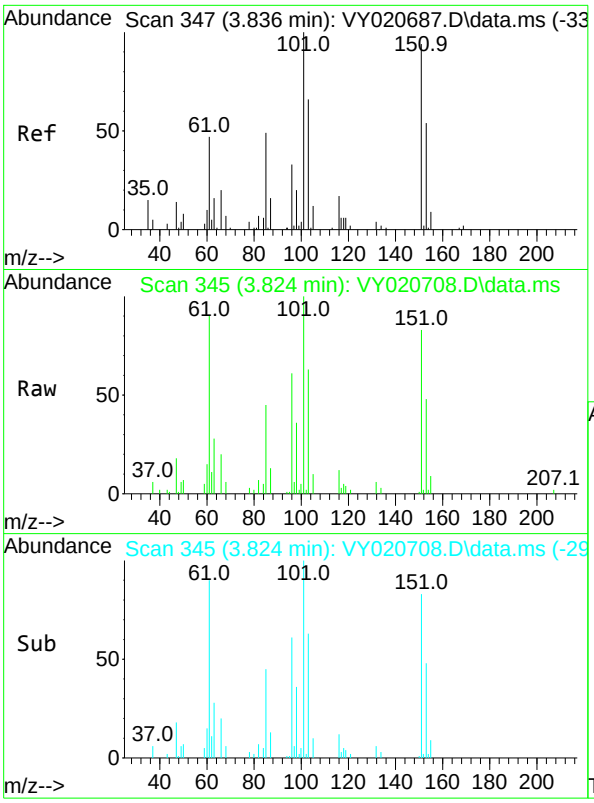


#8
Diethyl Ether
Concen: 18.739 ug/l
RT: 3.470 min Scan# 287
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 74 Resp: 7737

Ion	Ratio	Lower	Upper
74	100		
45	72.7	35.8	107.4



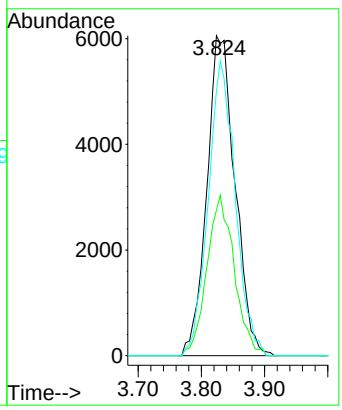


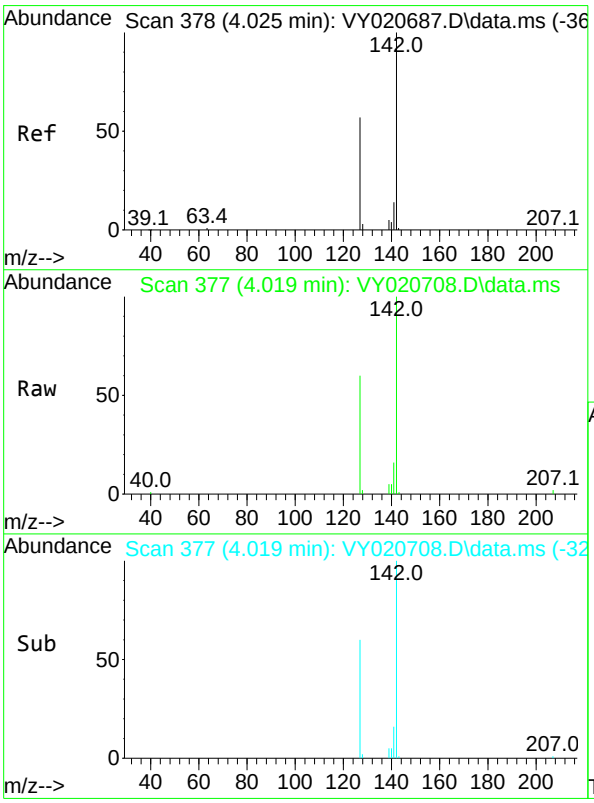
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.675 ug/l
RT: 3.824 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 18742

Ion	Ratio	Lower	Upper
101	100		
85	48.7	38.2	57.2
151	88.6	68.4	102.6

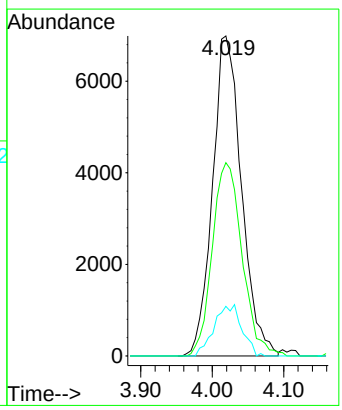


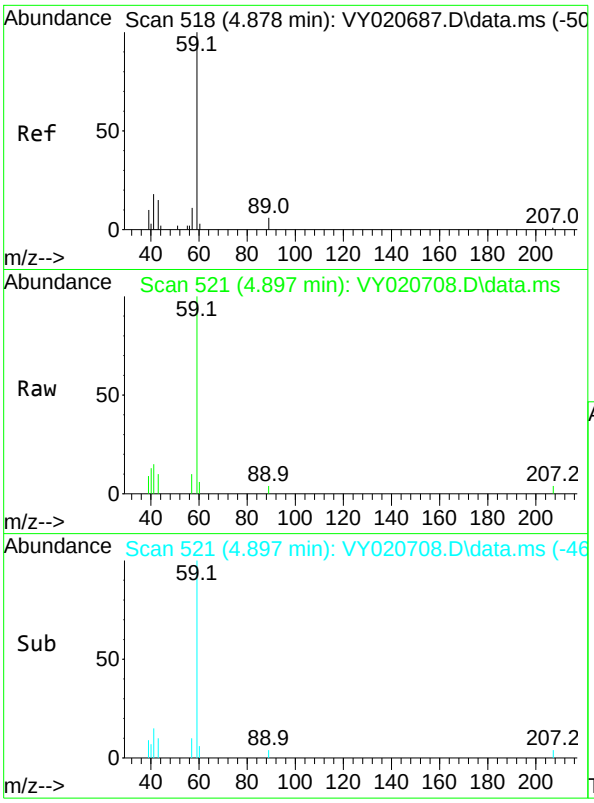


#10
Methyl Iodide
Concen: 18.866 ug/l
RT: 4.019 min Scan# 377
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:142 Resp: 19652

Ion	Ratio	Lower	Upper
142	100		
127	62.1	48.8	73.2
141	15.3	11.9	17.9



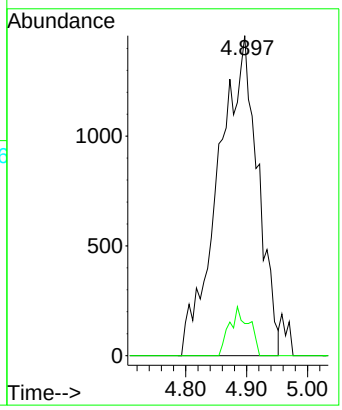


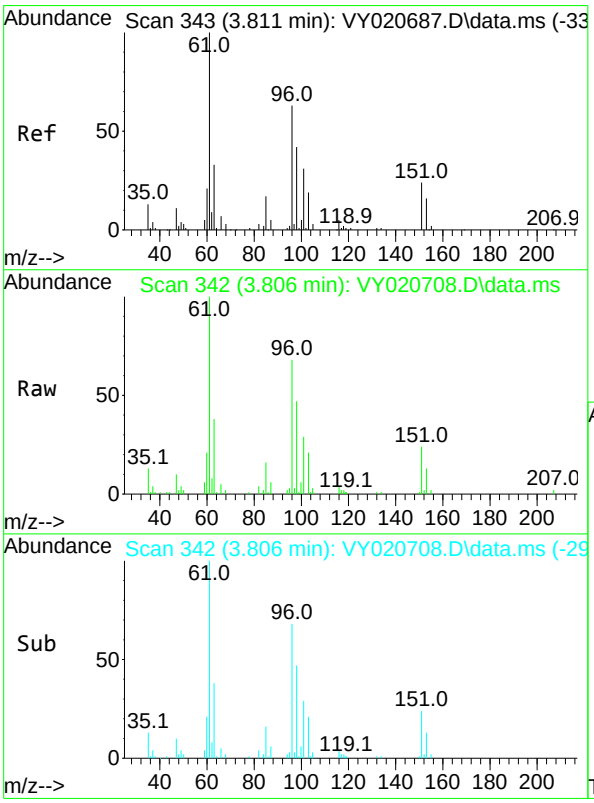
#11
Tert butyl alcohol
Concen: 90.235 ug/l
RT: 4.897 min Scan# 5
Delta R.T. 0.019 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 6567

Ion	Ratio	Lower	Upper
59	100		
57	7.5	2.8	4.2#

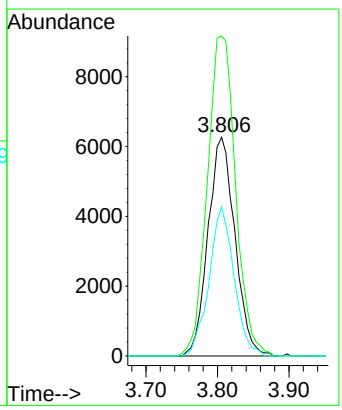


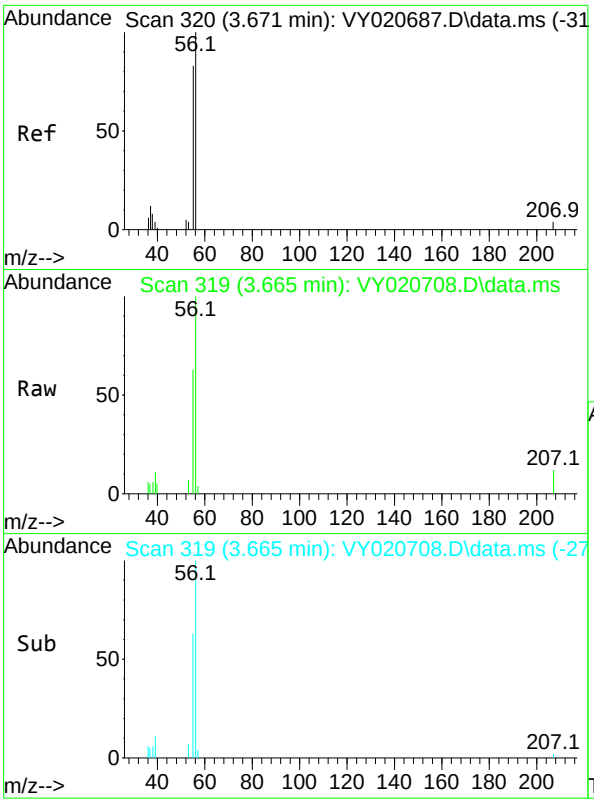


#12
1,1-Dichloroethene
Concen: 19.312 ug/l
RT: 3.806 min Scan# 342
Delta R.T. -0.005 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 96 Resp: 16374

Ion	Ratio	Lower	Upper
96	100		
61	146.3	127.1	190.7
98	68.1	53.4	80.0



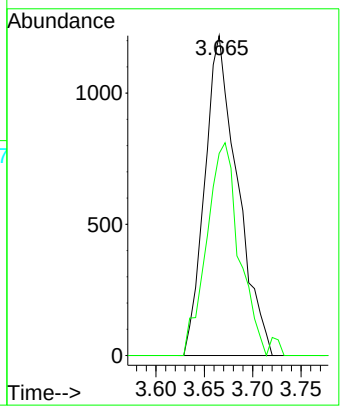


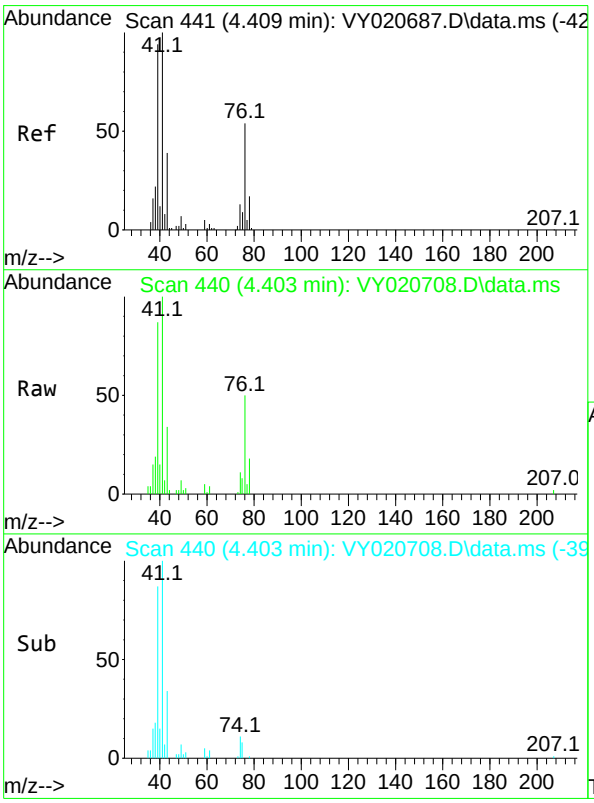
#13
Acrolein
Concen: 134.971 ug/l
RT: 3.665 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 2867

Ion	Ratio	Lower	Upper
56	100		
55	66.0	57.0	85.4

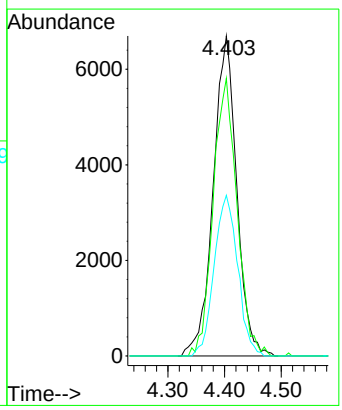


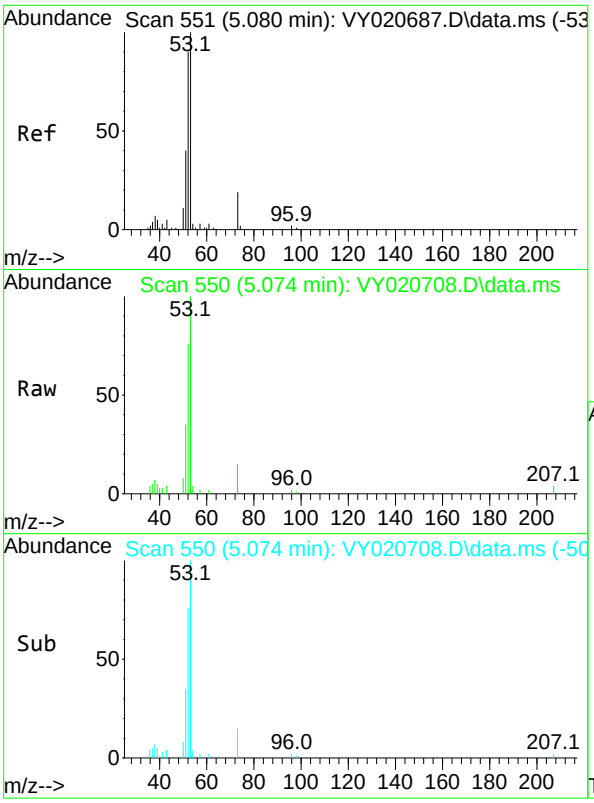


#14
Allyl chloride
Concen: 19.468 ug/l
RT: 4.403 min Scan# 440
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 41 Resp: 19316

Ion	Ratio	Lower	Upper
41	100		
39	87.9	73.5	110.3
76	50.2	41.8	62.8



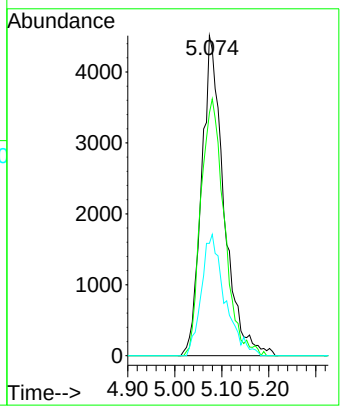


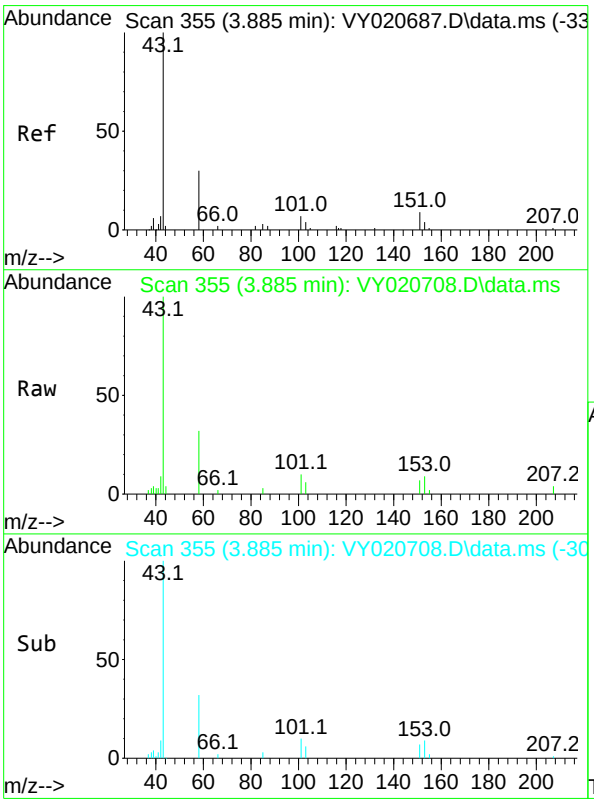
#15
Acrylonitrile
Concen: 93.535 ug/l
RT: 5.074 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 14919

Ion	Ratio	Lower	Upper
53	100		
52	84.2	67.1	100.7
51	39.9	31.4	47.0

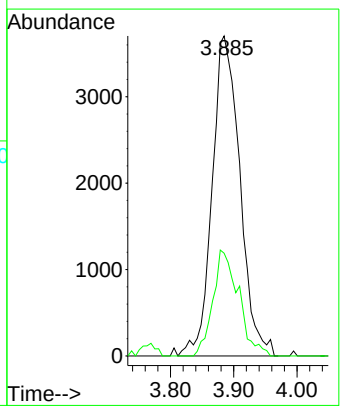


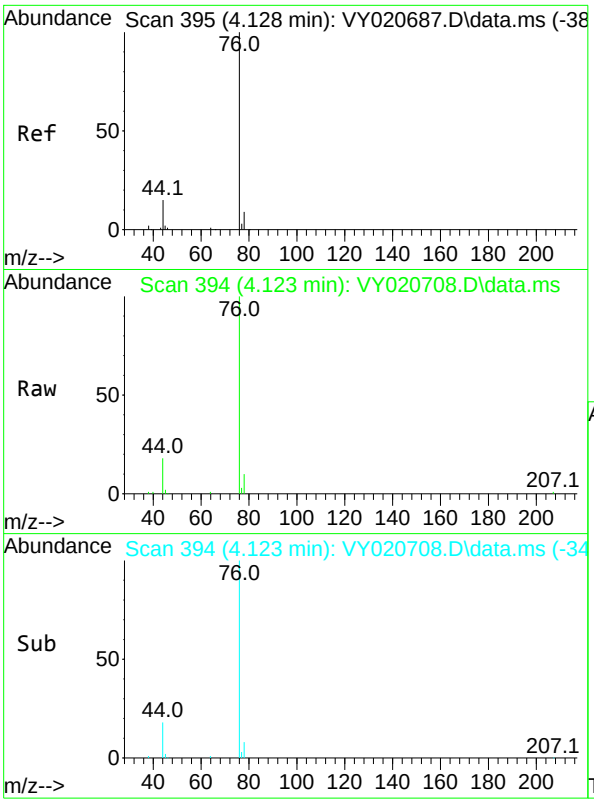


#16
Acetone
Concen: 87.443 ug/l
RT: 3.885 min Scan# 355
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 43 Resp: 11272

Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.0	37.6



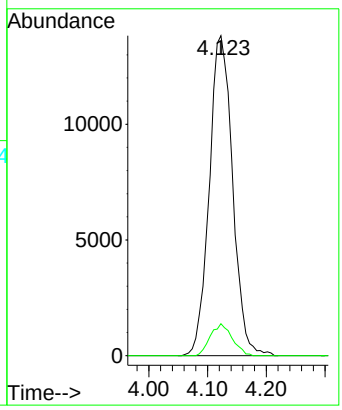


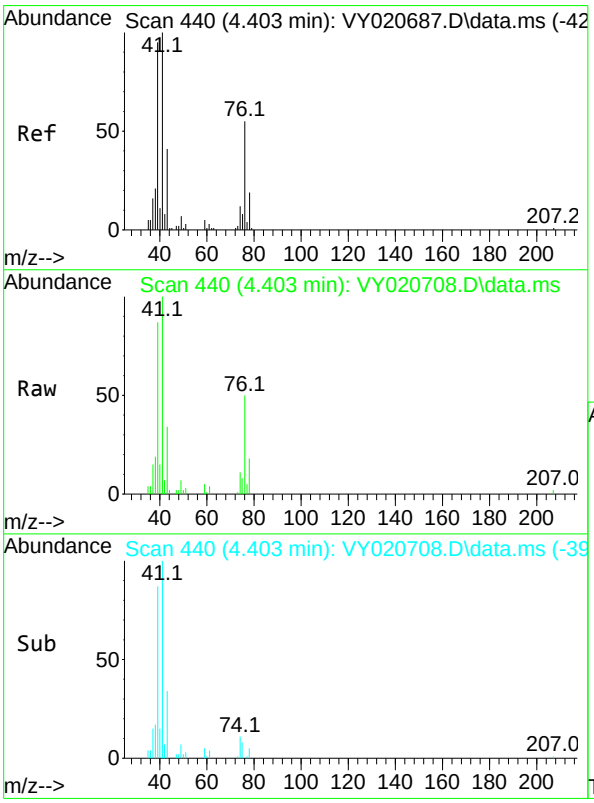
#17
Carbon Disulfide
Concen: 18.338 ug/l
RT: 4.123 min Scan# 3
Delta R.T. -0.005 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 38140

Ion	Ratio	Lower	Upper
76	100		
78	10.0	6.9	10.3

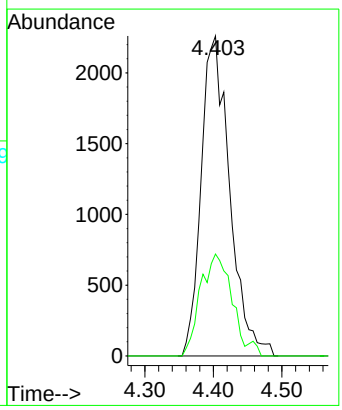


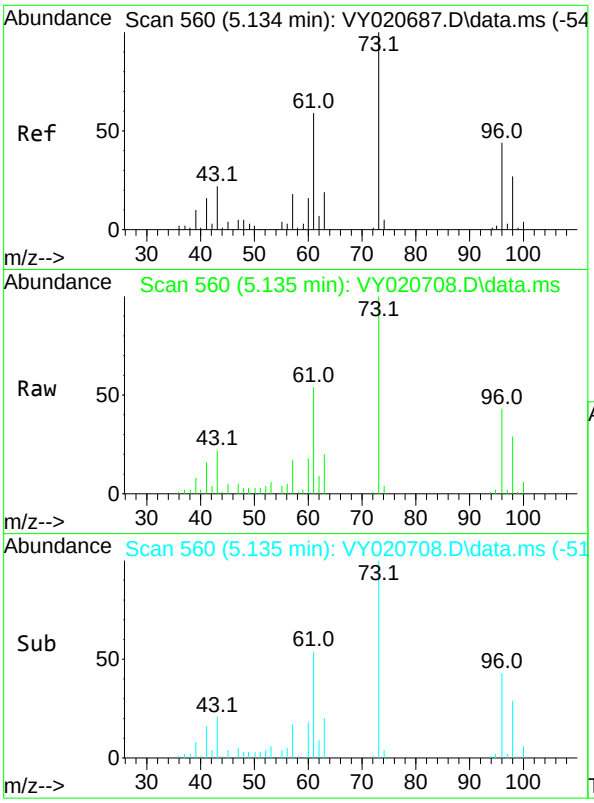


#18
Methyl Acetate
Concen: 18.708 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 43 Resp: 6527

Ion	Ratio	Lower	Upper
43	100		
74	35.6	25.3	37.9



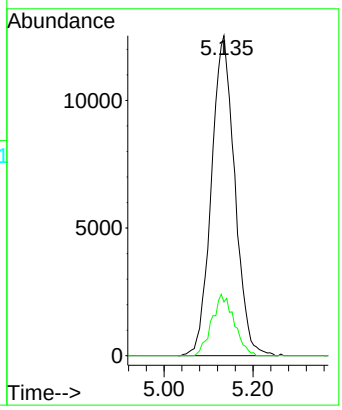


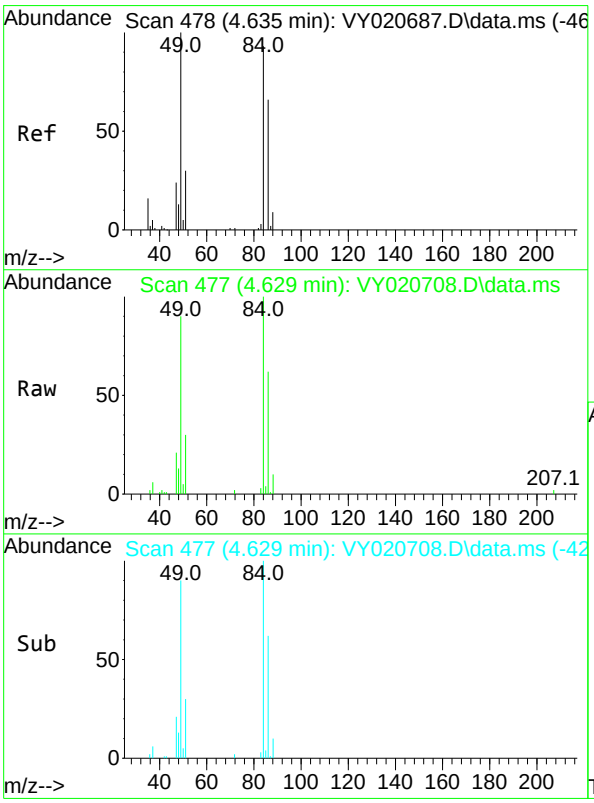
#19
Methyl tert-butyl Ether
Concen: 19.355 ug/l
RT: 5.135 min Scan# 5
Delta R.T. 0.001 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 45739

Ion	Ratio	Lower	Upper
73	100		
57	16.8	14.4	21.6

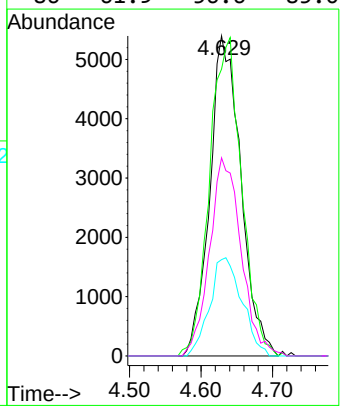


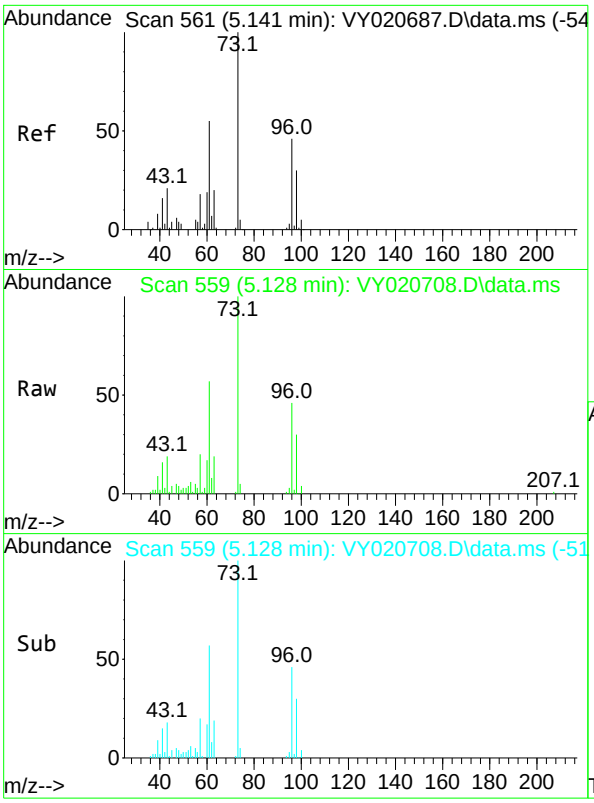


#20
Methylene Chloride
Concen: 19.426 ug/l
RT: 4.629 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 84 Resp: 16287

Ion	Ratio	Lower	Upper
84	100		
49	89.6	86.4	129.6
51	30.1	25.5	38.3
86	61.9	56.6	85.0



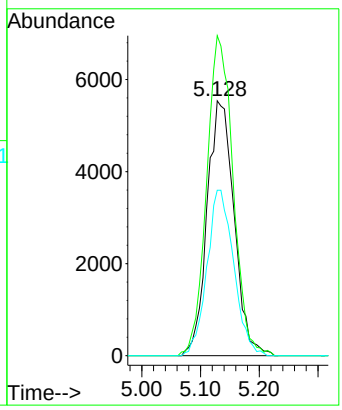


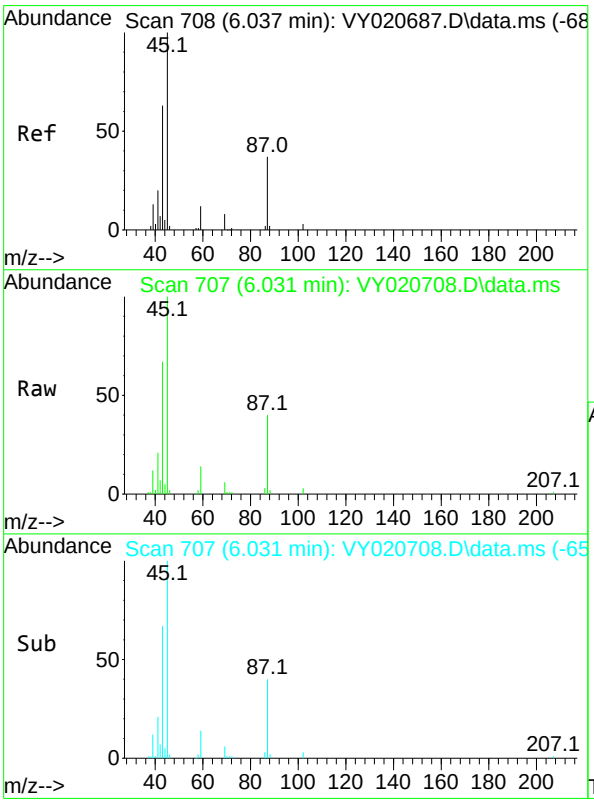
#21
trans-1,2-Dichloroethene
Concen: 19.342 ug/l
RT: 5.128 min Scan# 5
Delta R.T. -0.013 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 17672

Ion	Ratio	Lower	Upper
96	100		
61	125.5	96.1	144.1
98	64.9	52.7	79.1

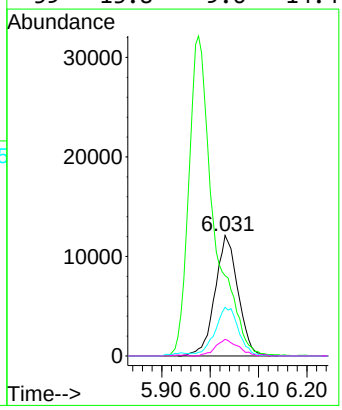


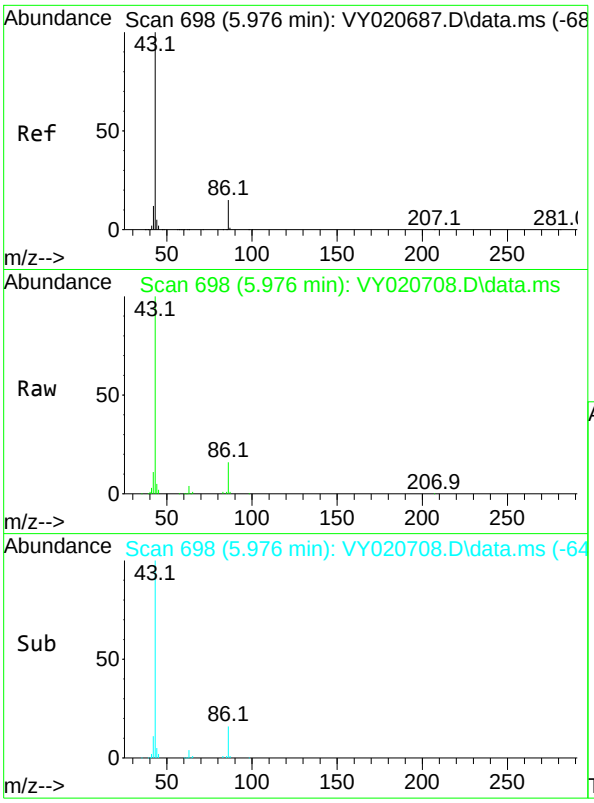


#22
Diisopropyl ether
Concen: 19.778 ug/l
RT: 6.031 min Scan# 707
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 45 Resp: 39891

Ion	Ratio	Lower	Upper
45	100		
43	65.8	51.3	76.9
87	40.5	30.6	46.0
59	13.8	9.6	14.4



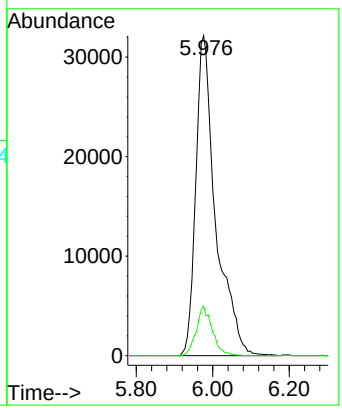


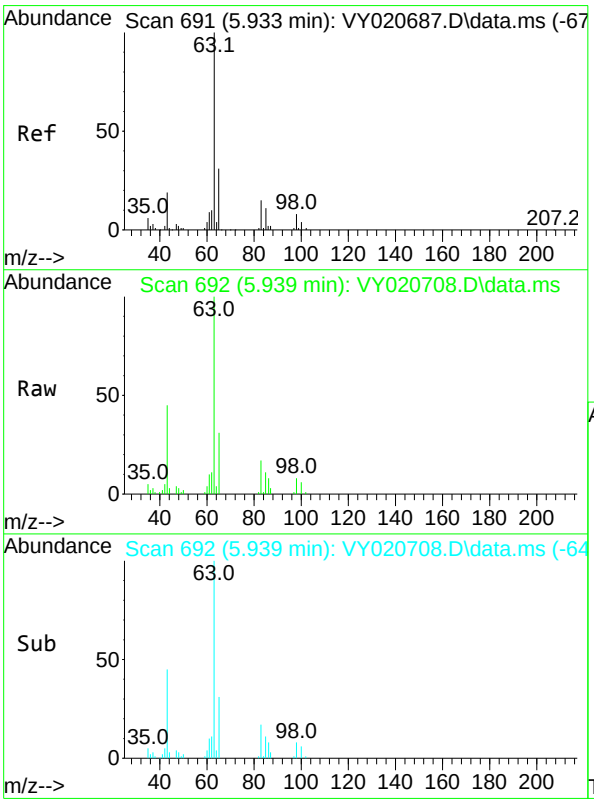
#23
Vinyl Acetate
Concen: 96.512 ug/l
RT: 5.976 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 116269

Ion	Ratio	Lower	Upper
43	100		
86	15.5	12.0	18.0

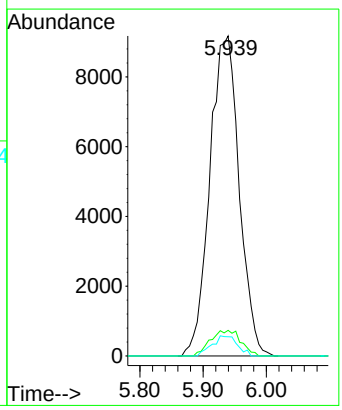


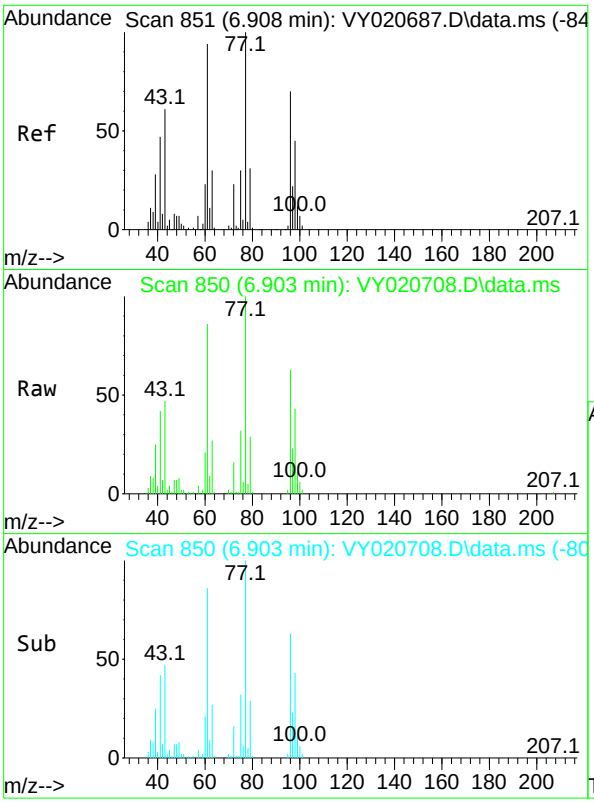


#24
1,1-Dichloroethane
Concen: 19.545 ug/l
RT: 5.939 min Scan# 692
Delta R.T. 0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 63 Resp: 29556

Ion	Ratio	Lower	Upper
63	100		
98	8.0	4.0	12.0
100	6.0	2.1	6.2



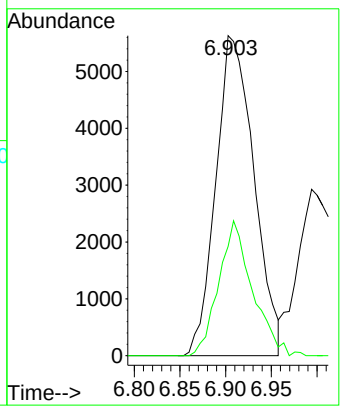


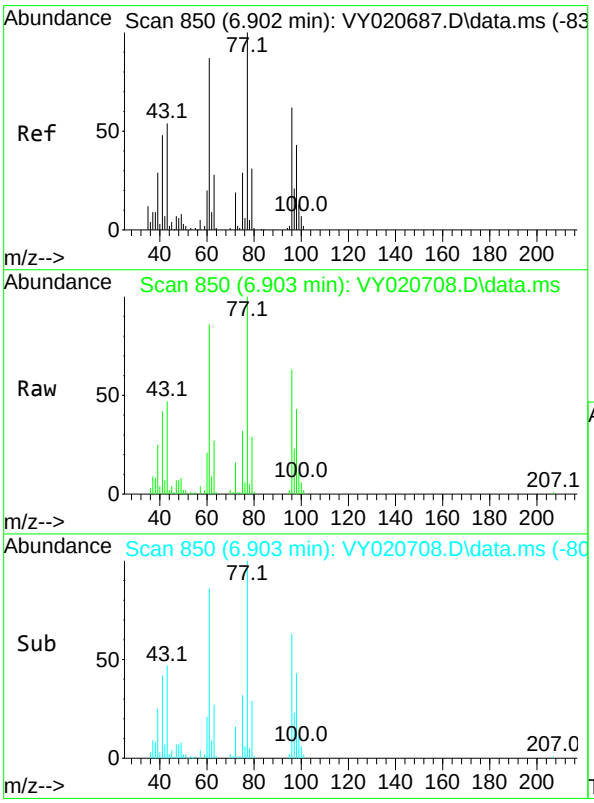
#25
2-Butanone
Concen: 93.814 ug/l
RT: 6.903 min Scan# 8
Delta R.T. -0.005 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 16336

Ion	Ratio	Lower	Upper
43	100		
72	34.2	29.5	44.3

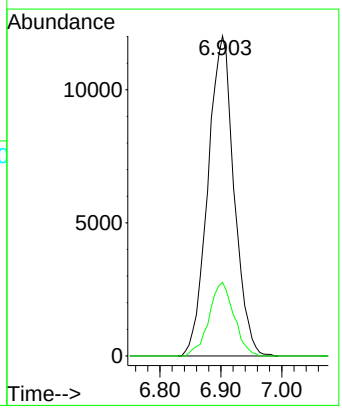


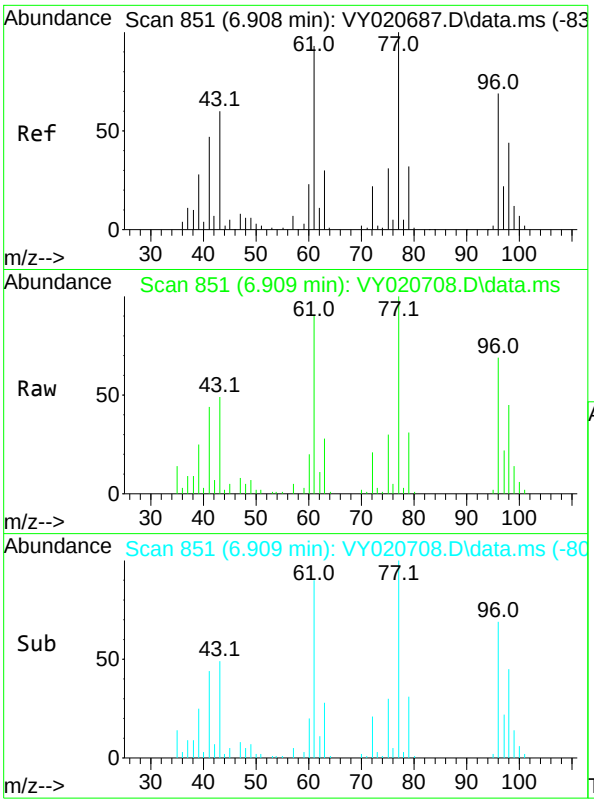


#26
2,2-Dichloropropane
Concen: 19.368 ug/l
RT: 6.903 min Scan# 850
Delta R.T. 0.001 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 77 Resp: 35847

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.8	32.4



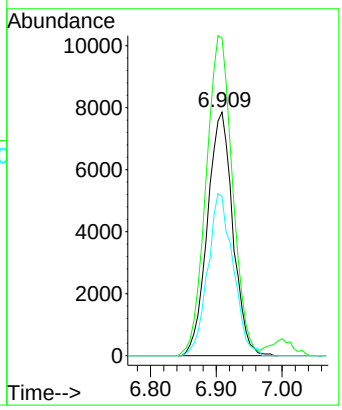


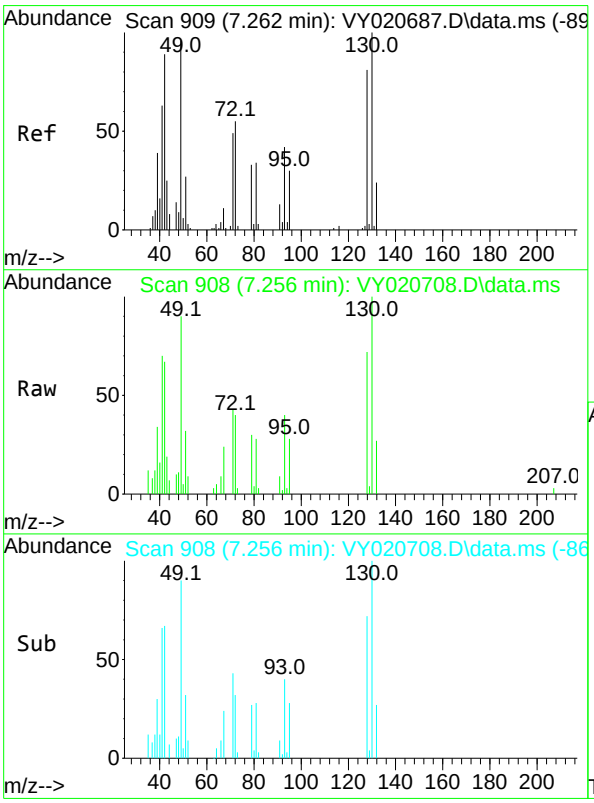
#27
cis-1,2-Dichloroethene
Concen: 19.320 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.001 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 21139

Ion	Ratio	Lower	Upper
96	100		
61	136.1	0.0	277.2
98	66.5	0.0	131.0

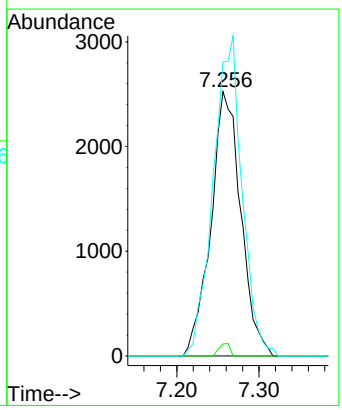


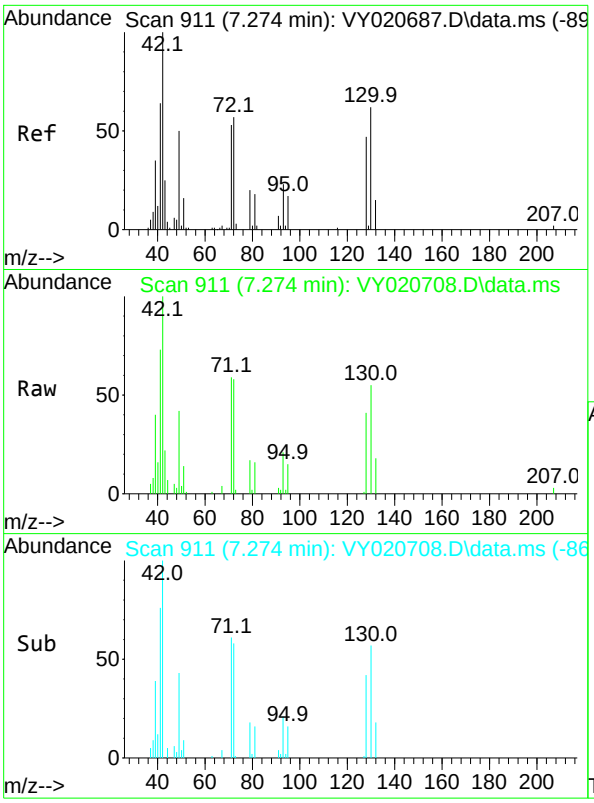


#28
Bromochloromethane
Concen: 15.974 ug/l
RT: 7.256 min Scan# 908
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 49 Resp: 6388

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	5.4
130	116.7	87.2	130.8



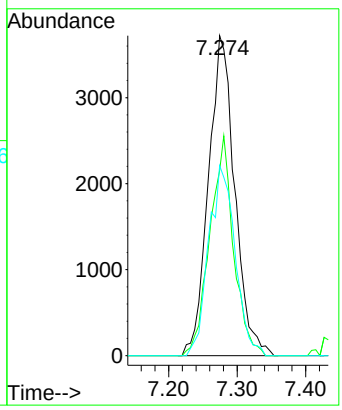


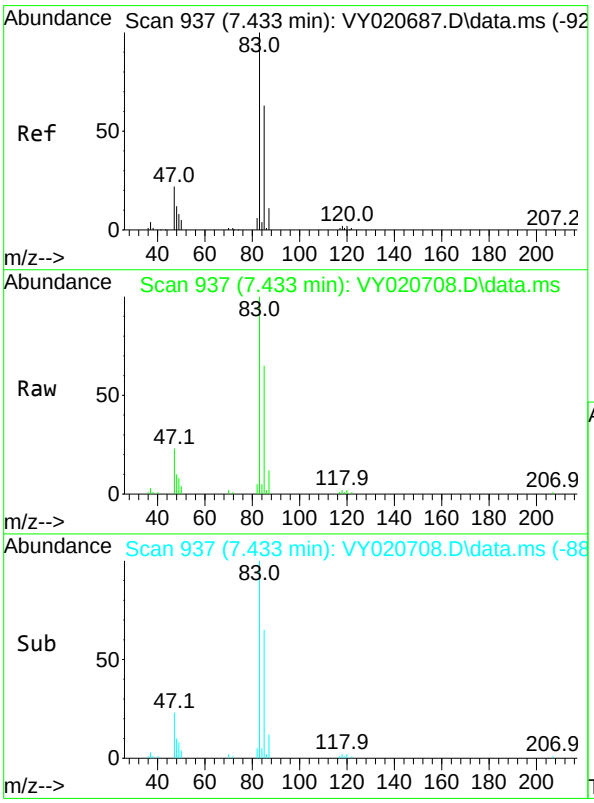
#29
Tetrahydrofuran
Concen: 92.698 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 9908

Ion	Ratio	Lower	Upper
42	100		
72	62.0	47.4	71.0
71	59.8	42.8	64.2

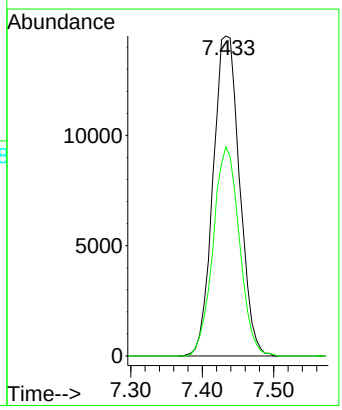


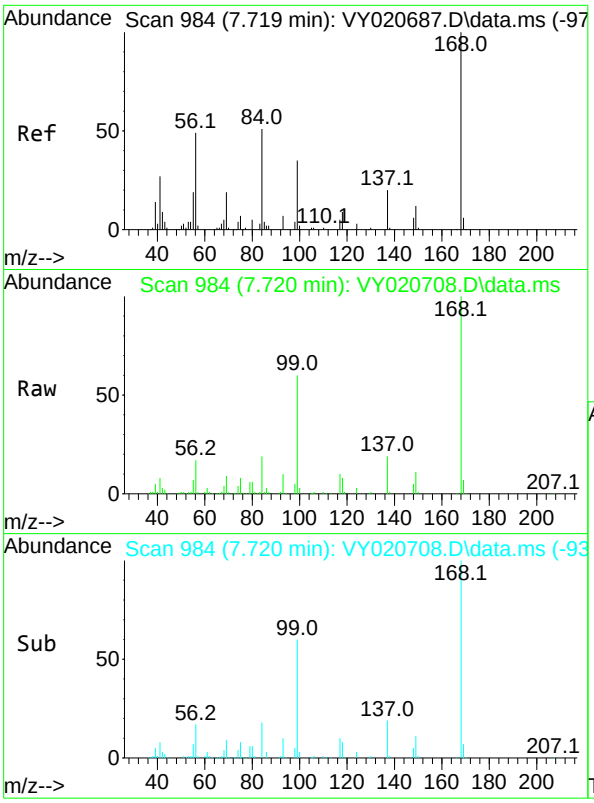


#30
Chloroform
Concen: 19.200 ug/l
RT: 7.433 min Scan# 937
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 83 Resp: 37350

Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.2	75.2



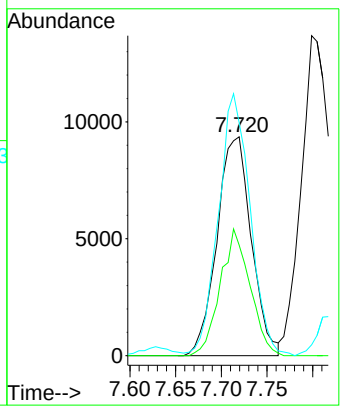


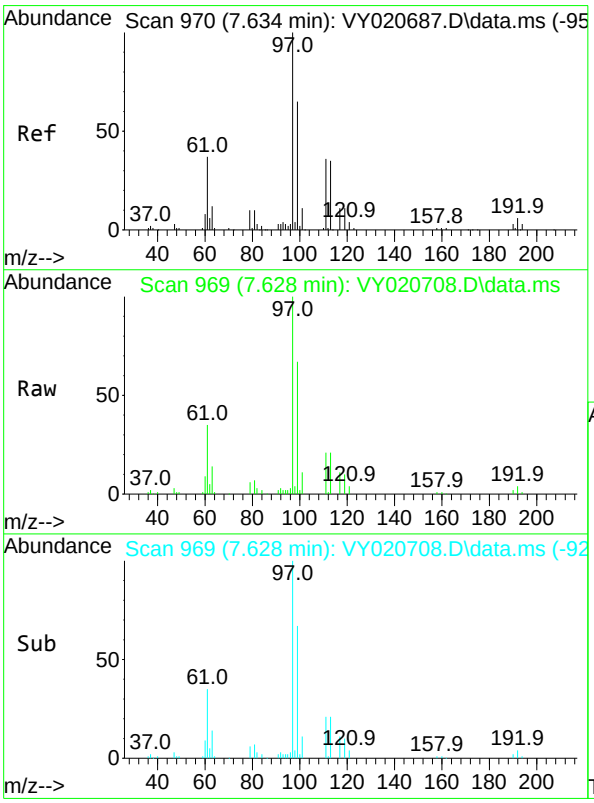
#31
Cyclohexane
Concen: 18.736 ug/l
RT: 7.720 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 24456

Ion	Ratio	Lower	Upper
56	100		
69	50.5	31.3	46.9#
84	104.8	83.9	125.9

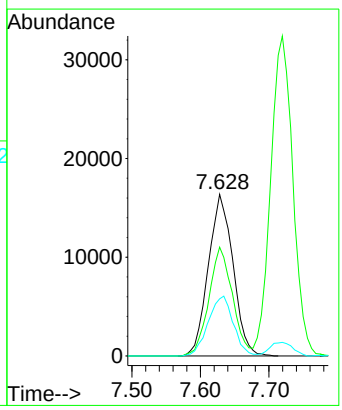


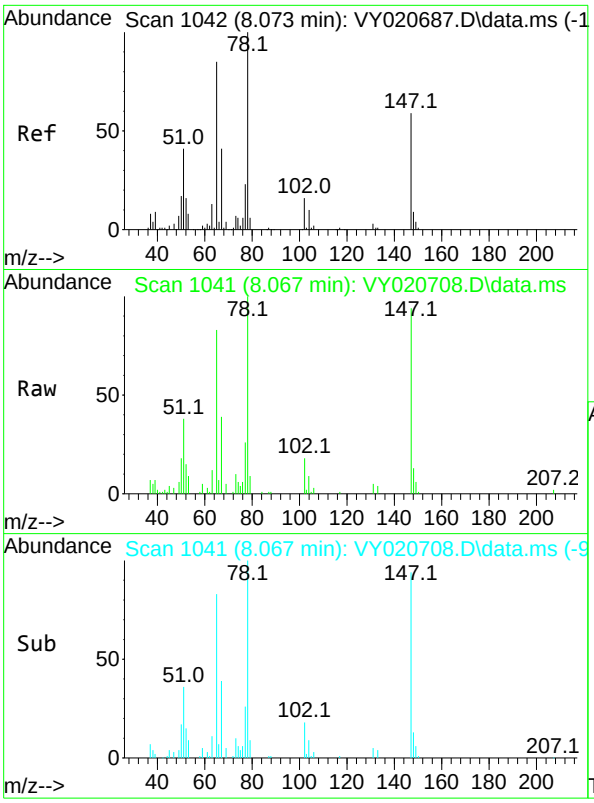


#32
1,1,1-Trichloroethane
Concen: 19.656 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 97 Resp: 40987

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.6
61	37.6	30.0	45.0



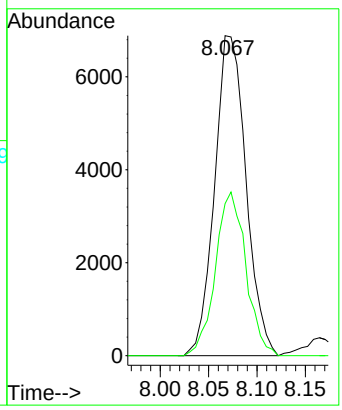


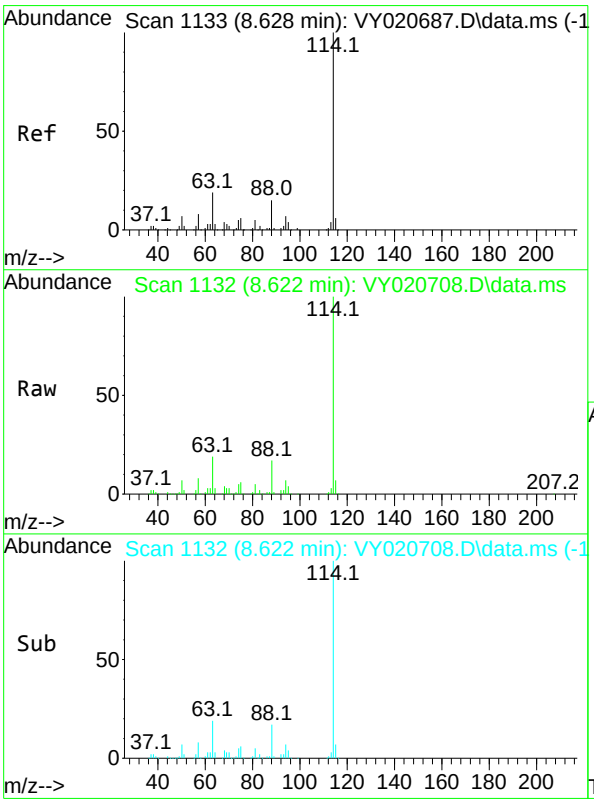
#33
1,2-Dichloroethane-d4
Concen: 15.300 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 15547

Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	98.0

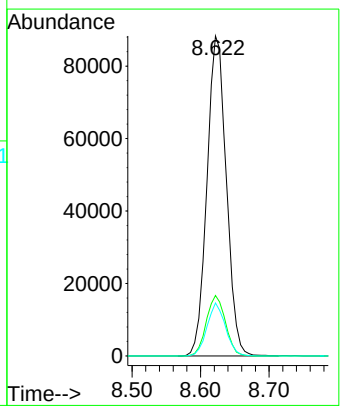


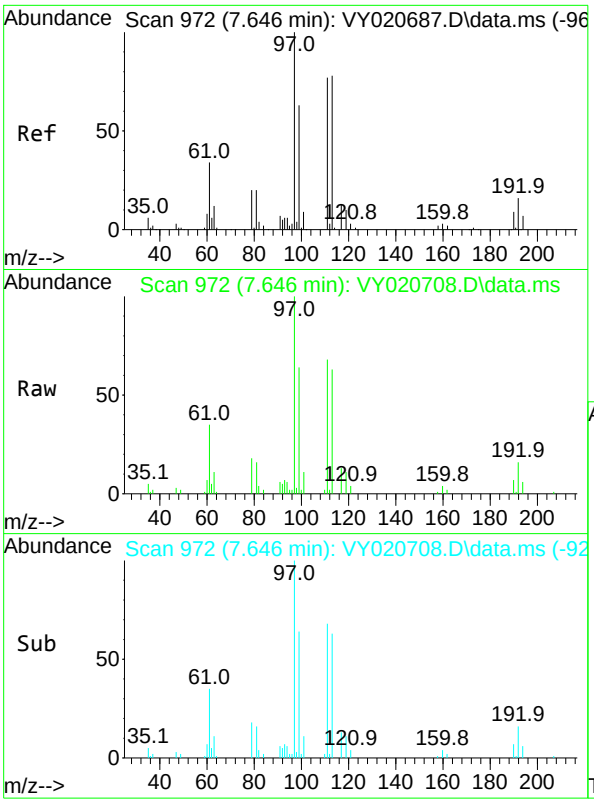


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:114 Resp: 173311

Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	38.4
88	16.6	0.0	30.4



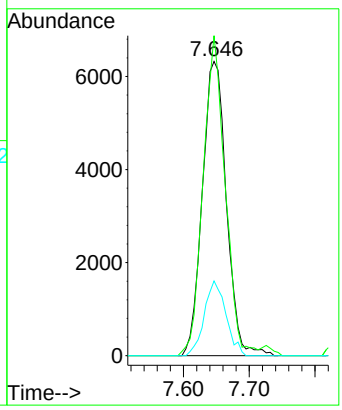


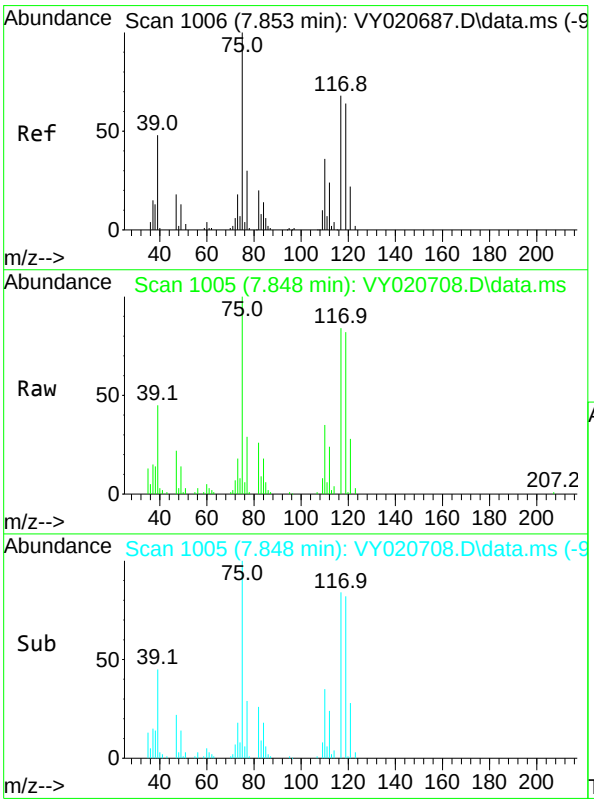
#35
Dibromofluoromethane
Concen: 16.876 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 16110

Ion	Ratio	Lower	Upper
113	100		
111	99.4	79.8	119.8
192	22.9	17.0	25.6

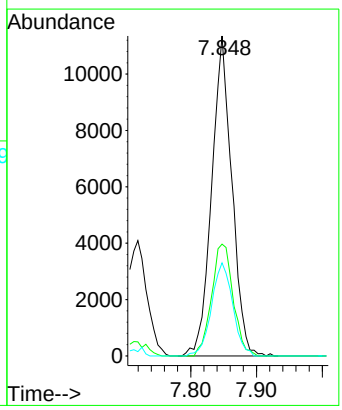


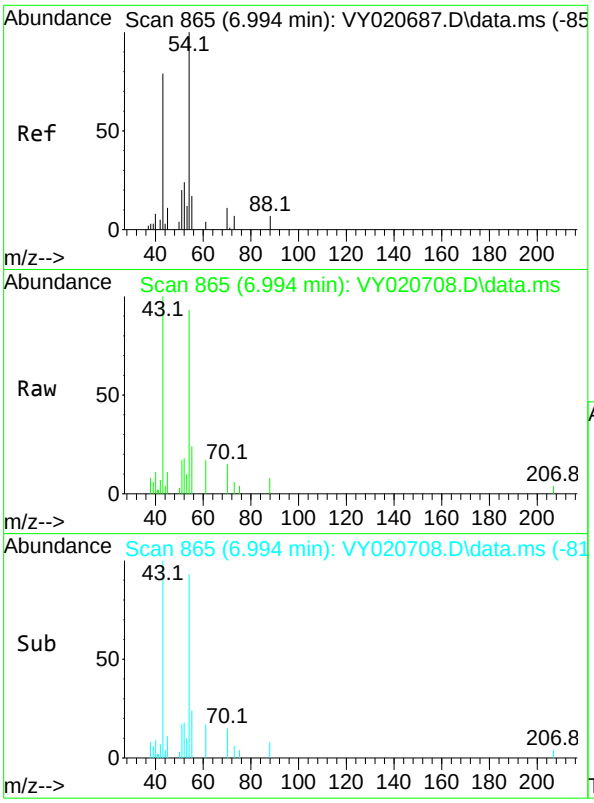


#36
1,1-Dichloropropene
Concen: 19.240 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. -0.005 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 75 Resp: 24262

Ion	Ratio	Lower	Upper
75	100		
110	37.3	19.6	58.7
77	30.6	25.1	37.7



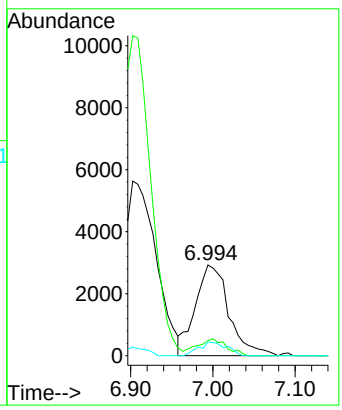


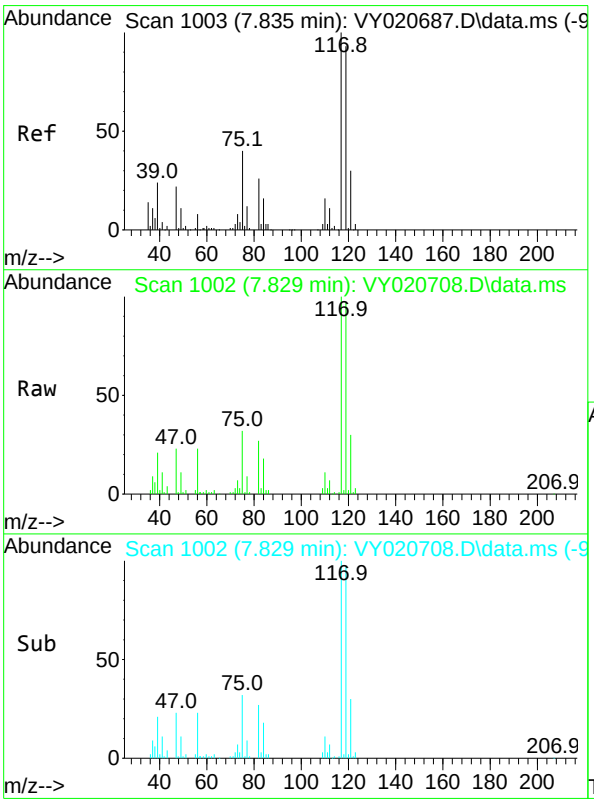
#37
Ethyl Acetate
Concen: 19.972 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 8299

Ion	Ratio	Lower	Upper
43	100		
61	16.3	11.7	17.5
70	12.5	11.0	16.4

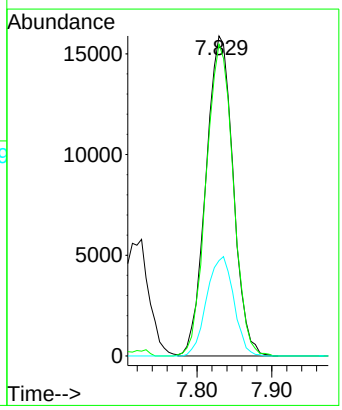


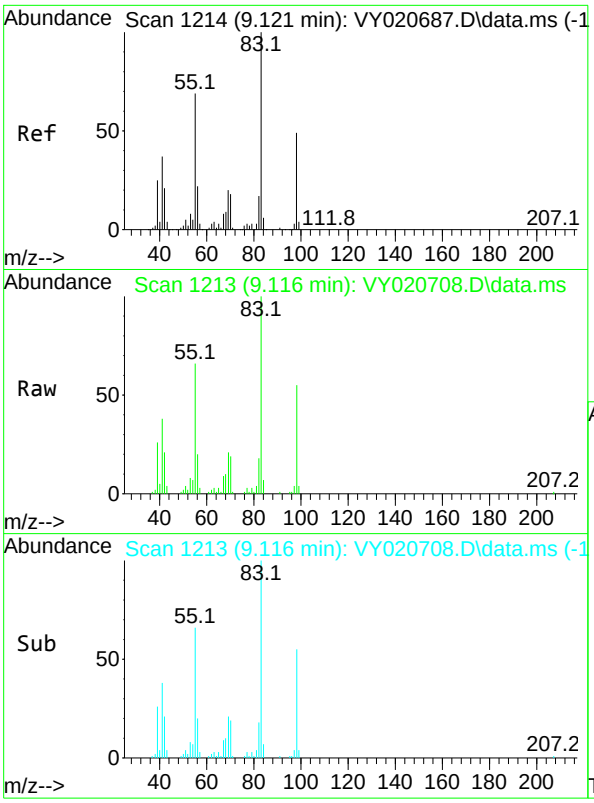


#38
Carbon Tetrachloride
Concen: 19.409 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:117 Resp: 40302

Ion	Ratio	Lower	Upper
117	100		
119	97.4	74.4	111.6
121	29.8	24.2	36.2



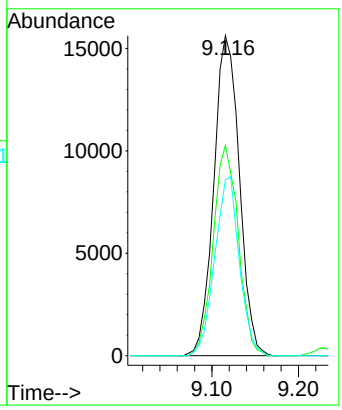


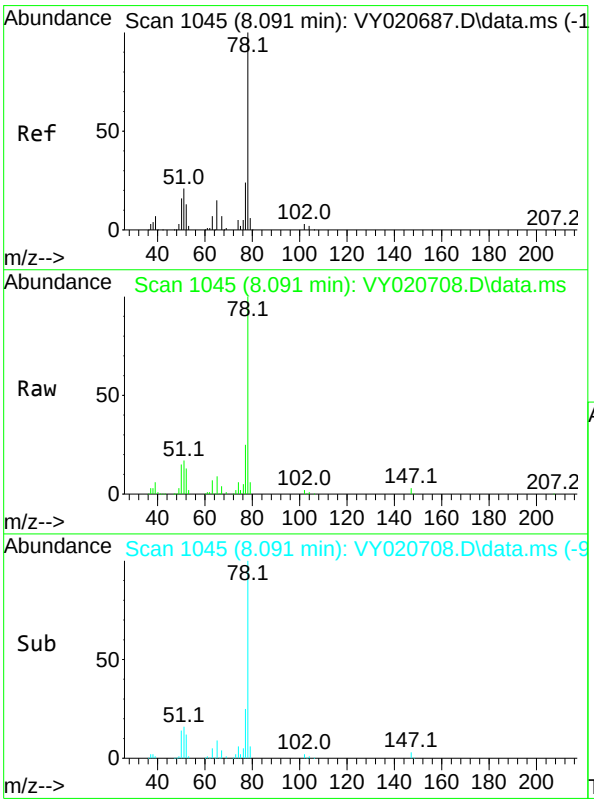
#39
Methylcyclohexane
Concen: 19.803 ug/l
RT: 9.116 min Scan# 1
Delta R.T. -0.005 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 32007

Ion	Ratio	Lower	Upper
83	100		
55	65.7	55.0	82.4
98	54.9	39.0	58.6

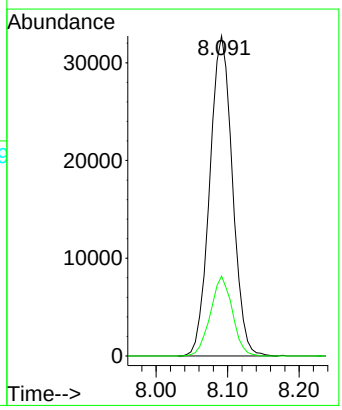


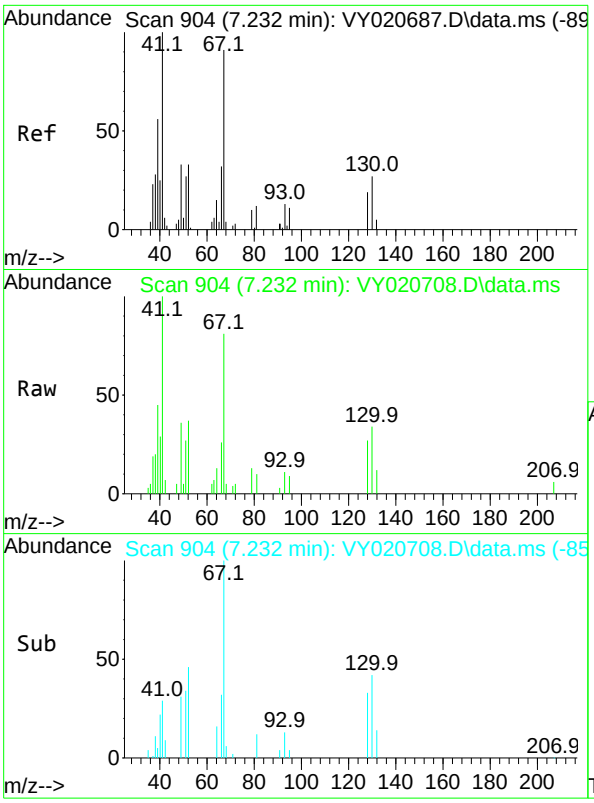


#40
Benzene
Concen: 19.731 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 78 Resp: 72108

Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.2	28.8



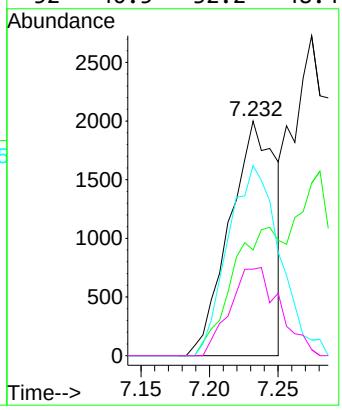


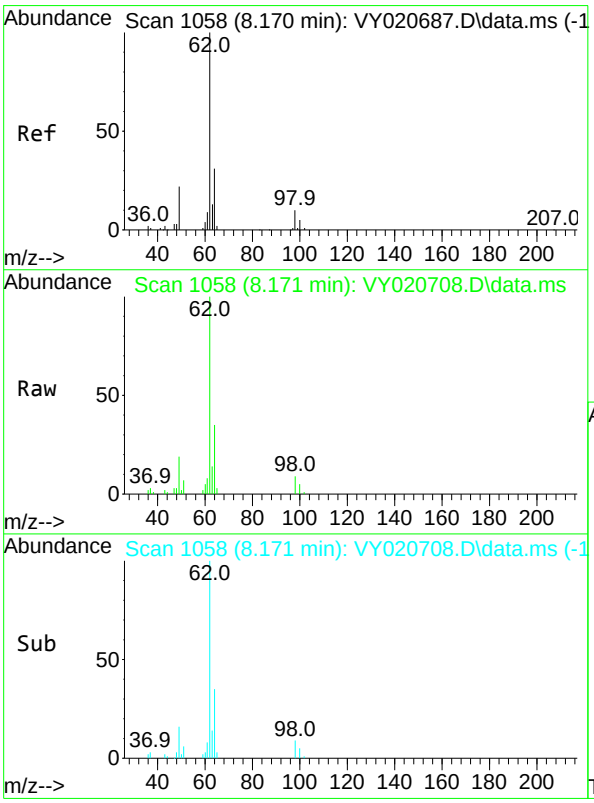
#41
Methacrylonitrile
Concen: 22.206 ug/l
RT: 7.232 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 4661

Ion	Ratio	Lower	Upper
41	100		
39	62.7	46.6	70.0
67	92.0	74.7	112.1
52	40.5	32.2	48.4

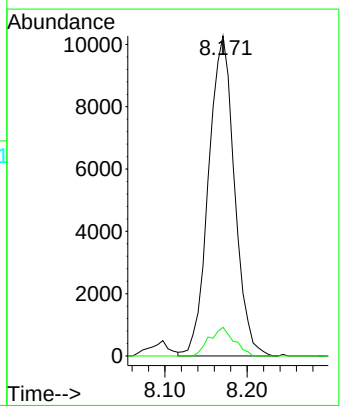


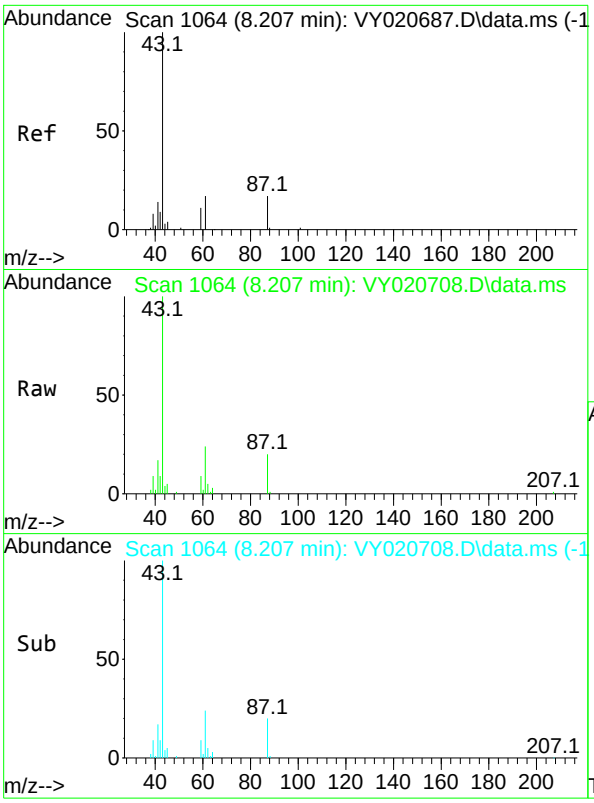


#42
1,2-Dichloroethane
Concen: 19.227 ug/l
RT: 8.171 min Scan# 1058
Delta R.T. 0.001 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 62 Resp: 22531

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.6



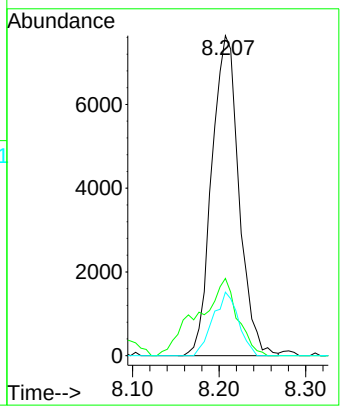


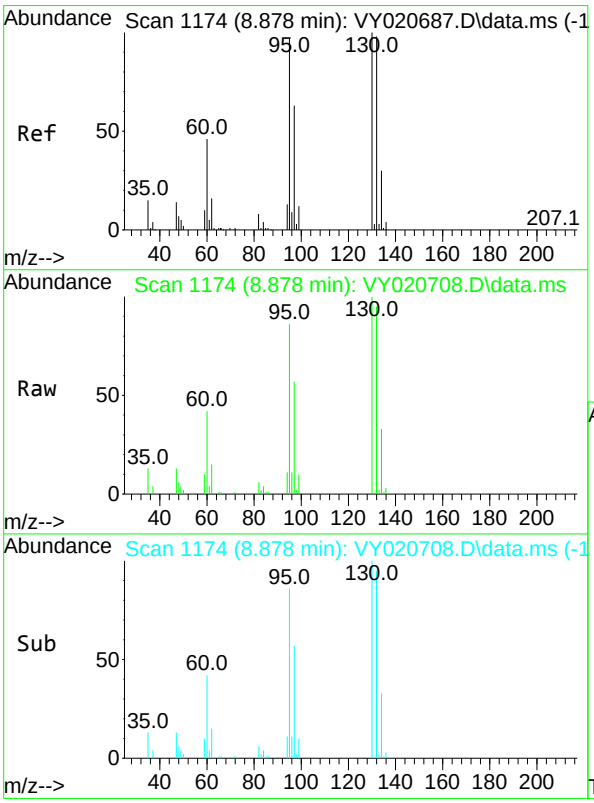
#43
Isopropyl Acetate
Concen: 18.834 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 16635

Ion	Ratio	Lower	Upper
43	100		
61	34.9	27.0	40.4
87	18.6	14.2	21.4

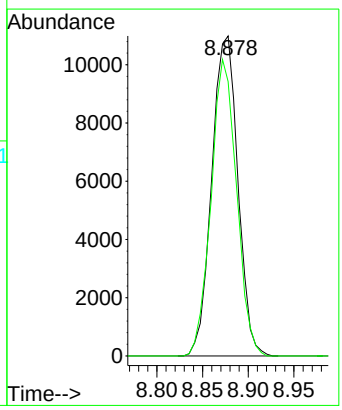


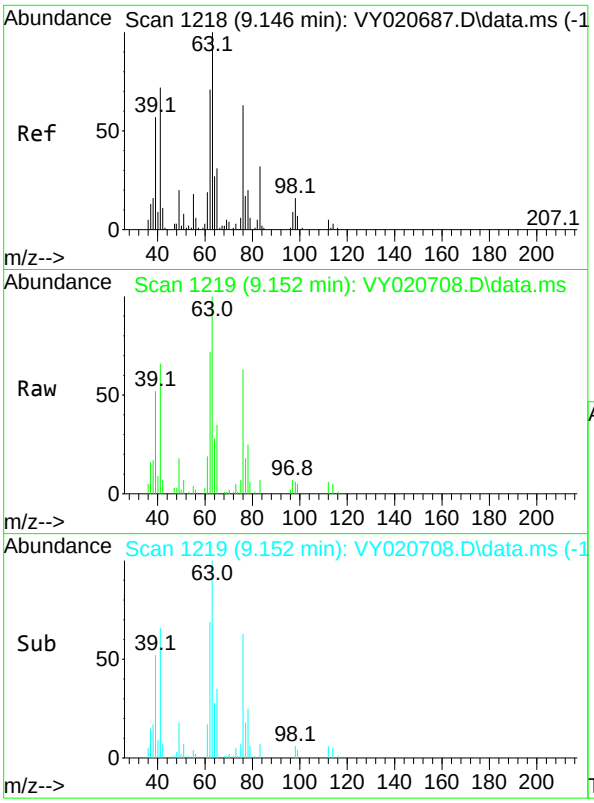


#44
Trichloroethene
Concen: 20.026 ug/l
RT: 8.878 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:130 Resp: 21859

Ion	Ratio	Lower	Upper
130	100		
95	85.7	0.0	194.8



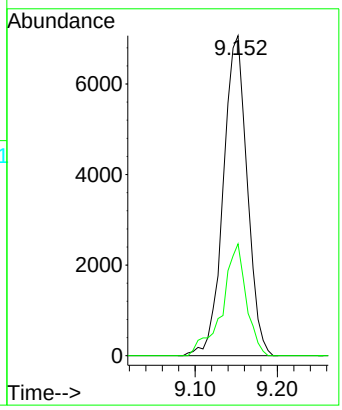


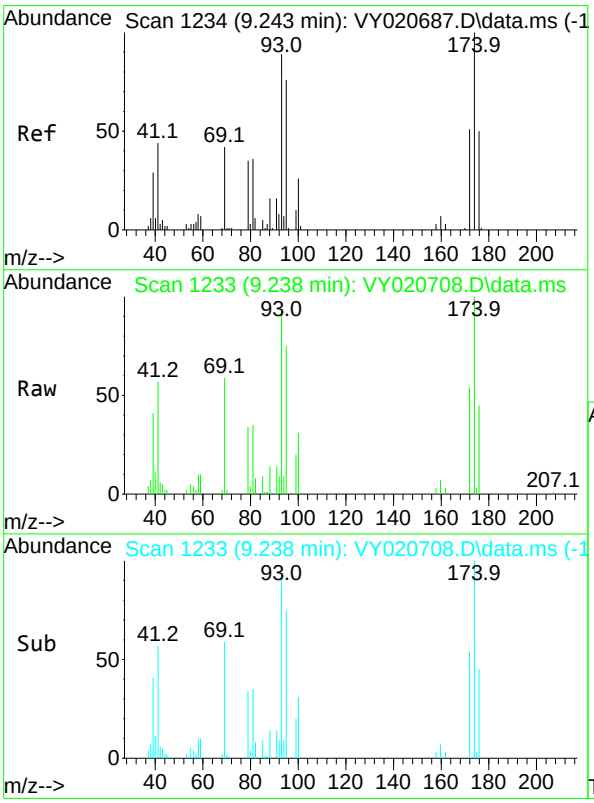
#45
1,2-Dichloropropane
Concen: 19.256 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 14245

Ion	Ratio	Lower	Upper
63	100		
65	35.0	24.6	36.8

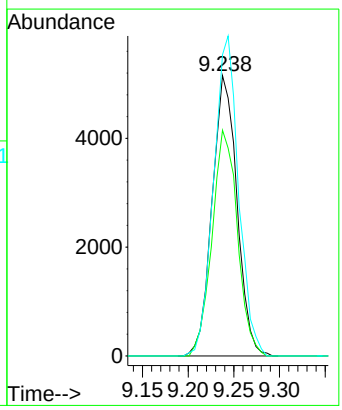


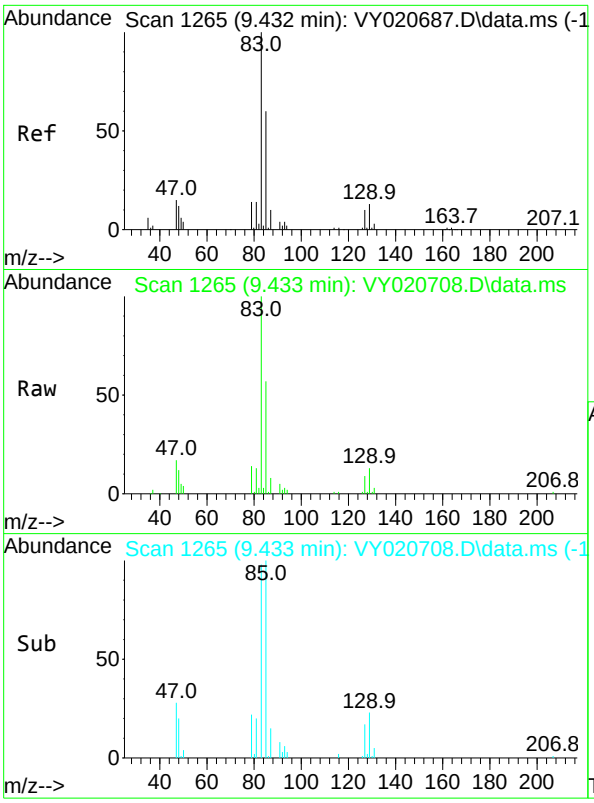


#46
Dibromomethane
Concen: 18.988 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. -0.005 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 93 Resp: 9719

Ion	Ratio	Lower	Upper
93	100		
95	82.2	67.8	101.8
174	114.7	89.4	134.0



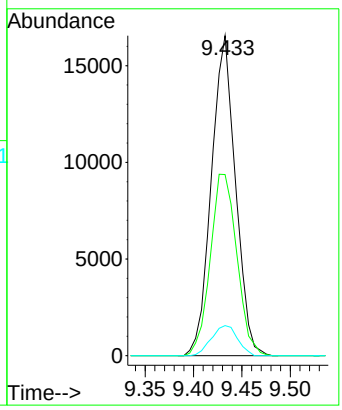


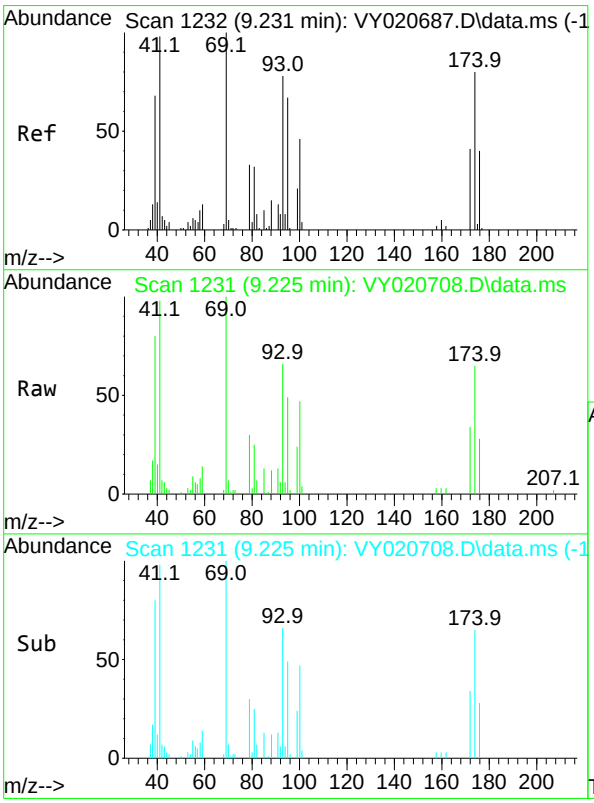
#47
Bromodichloromethane
Concen: 19.803 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 28737

Ion	Ratio	Lower	Upper
83	100		
85	56.6	47.6	71.4
127	9.4	7.9	11.9

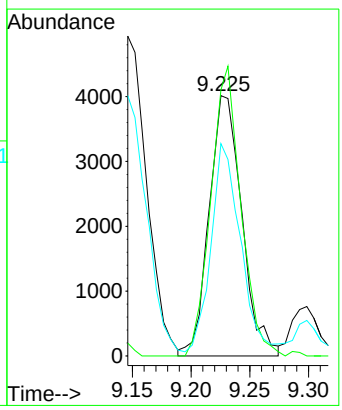


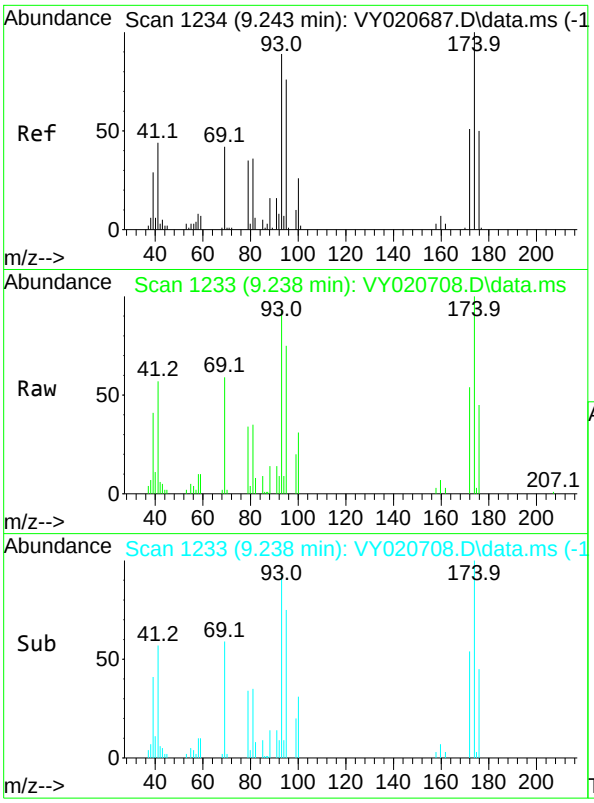


#48
Methyl methacrylate
Concen: 18.879 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 41 Resp: 7787

Ion	Ratio	Lower	Upper
41	100		
69	101.9	83.1	124.7
39	72.1	57.3	85.9



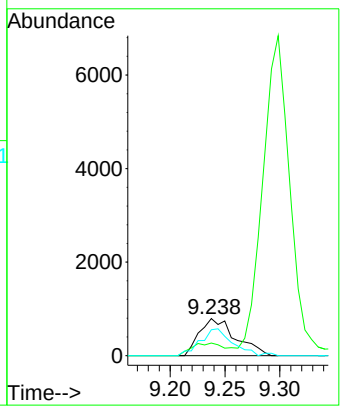


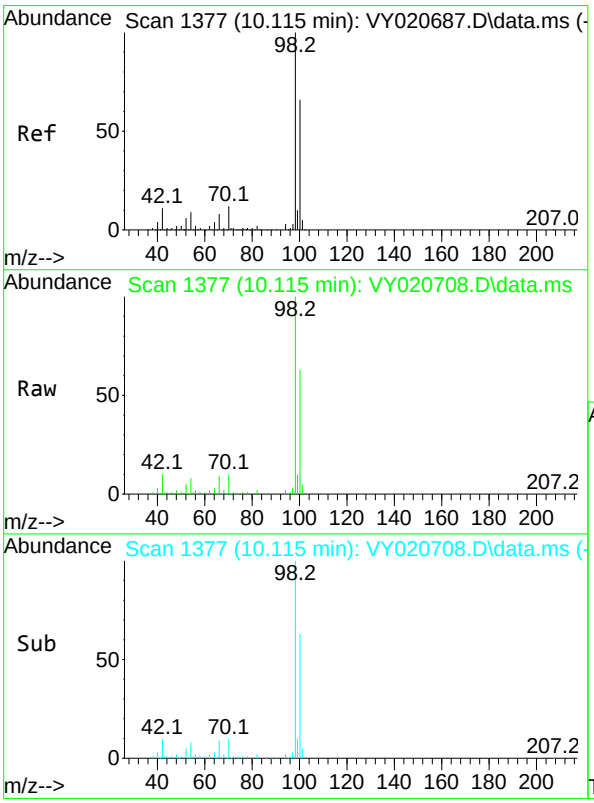
#49
1,4-Dioxane
Concen: 374.309 ug/l
RT: 9.238 min Scan# 1
Delta R.T. -0.005 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 1825

Ion	Ratio	Lower	Upper
88	100		
43	28.3	22.1	33.1
58	64.8	46.7	70.1

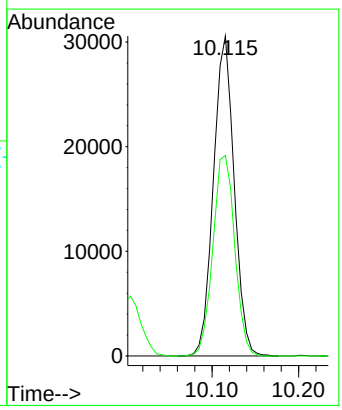


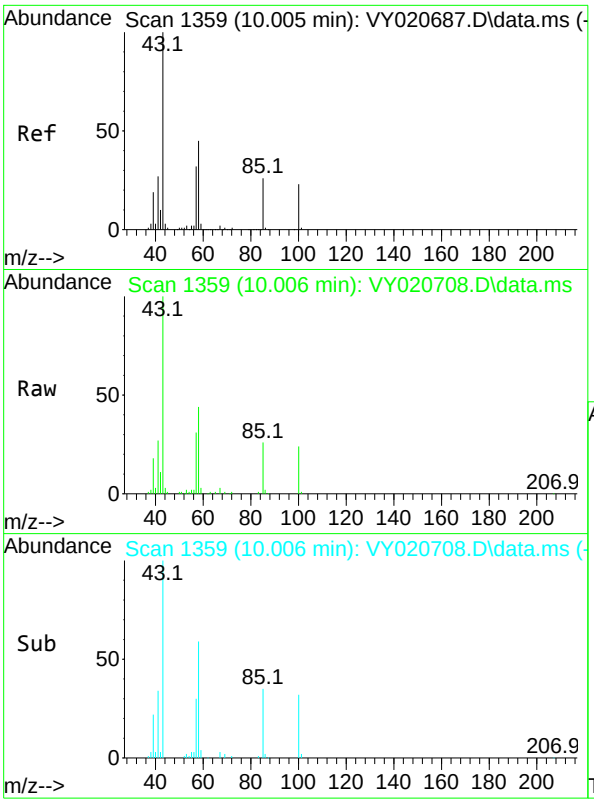


#50
Toluene-d8
Concen: 14.644 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 98 Resp: 50794

Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.2	78.4



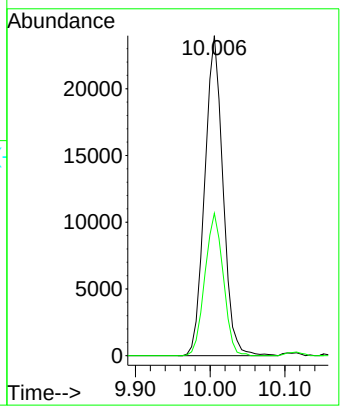


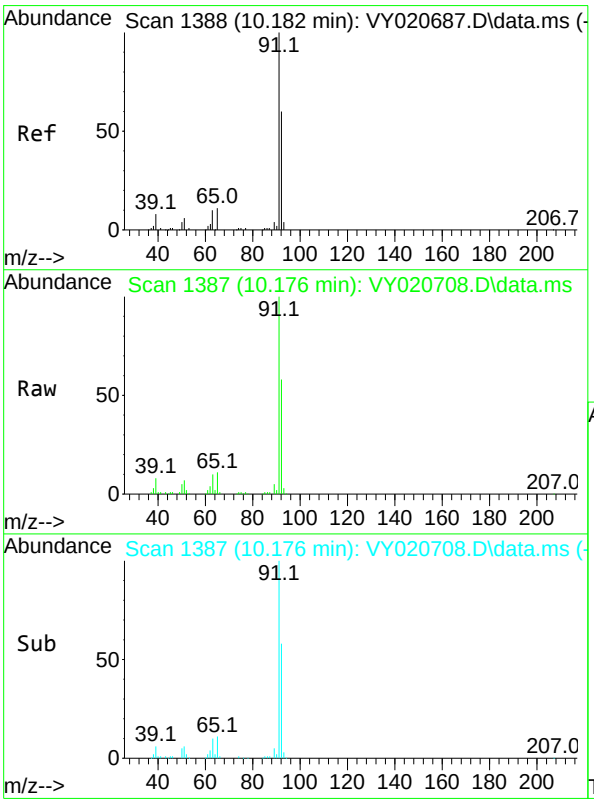
#51
4-Methyl-2-Pentanone
Concen: 95.218 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 40592

Ion	Ratio	Lower	Upper
43	100		
58	44.8	35.1	52.7

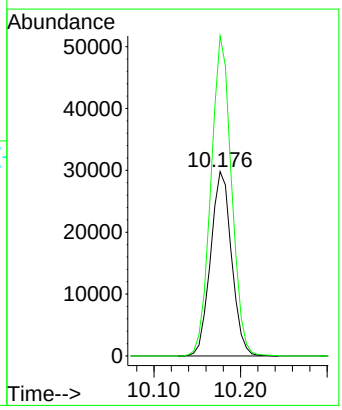


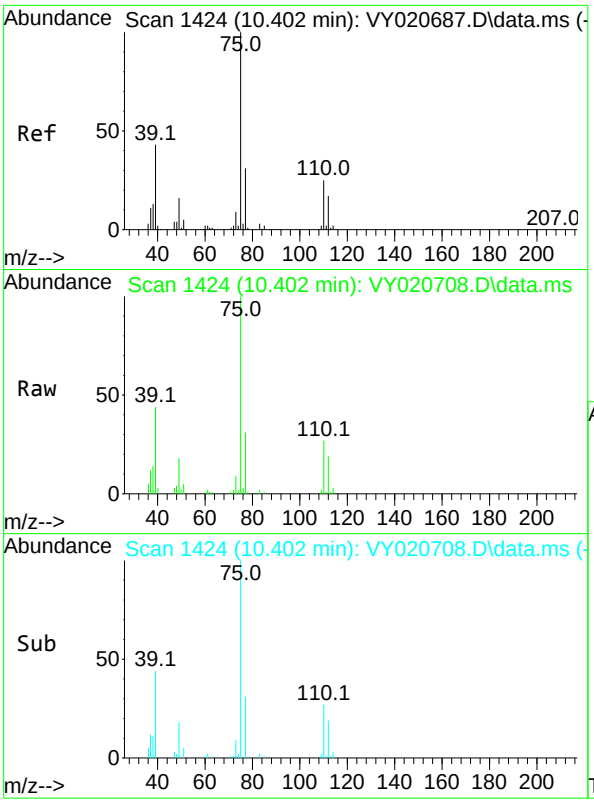


#52
Toluene
Concen: 19.986 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 92 Resp: 50060

Ion	Ratio	Lower	Upper
92	100		
91	170.5	137.7	206.5



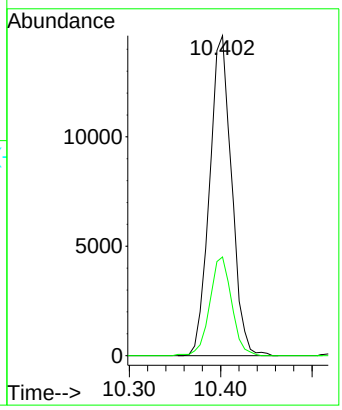


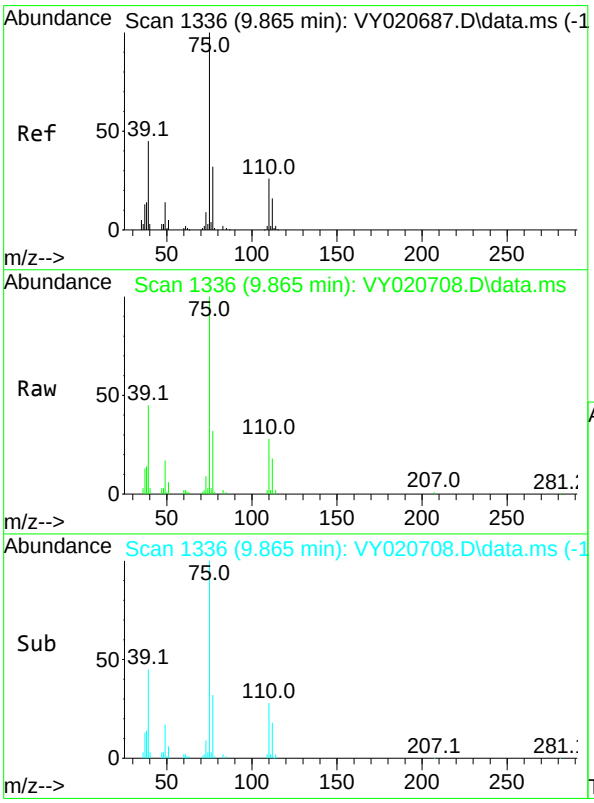
#53
t-1,3-Dichloropropene
Concen: 19.166 ug/l
RT: 10.402 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 24428

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.1	37.7

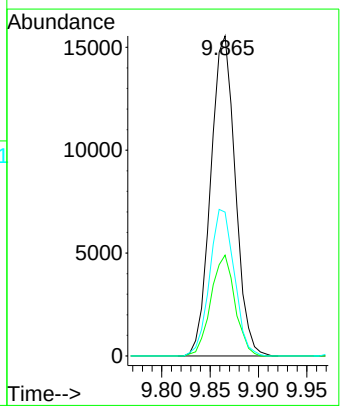


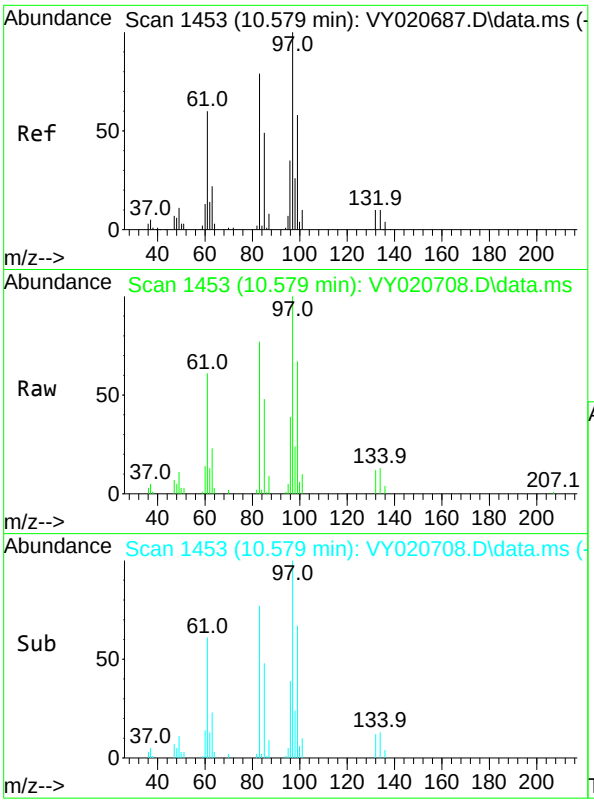


#54
cis-1,3-Dichloropropene
Concen: 19.625 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 75 Resp: 27417

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.6	38.4
39	45.0	36.2	54.2



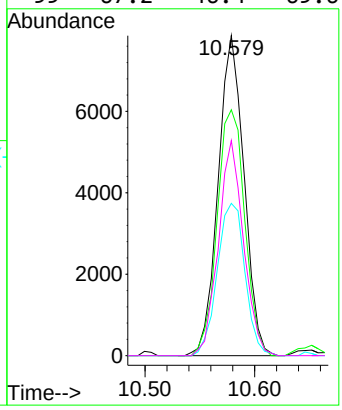


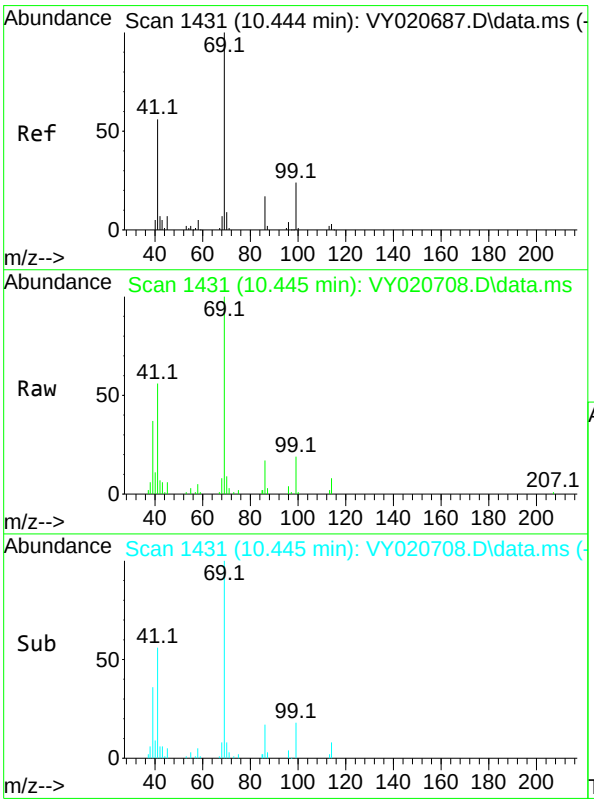
#55
1,1,2-Trichloroethane
Concen: 19.722 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 12886

Ion	Ratio	Lower	Upper
97	100		
83	76.8	63.1	94.7
85	47.6	39.5	59.3
99	67.2	46.4	69.6

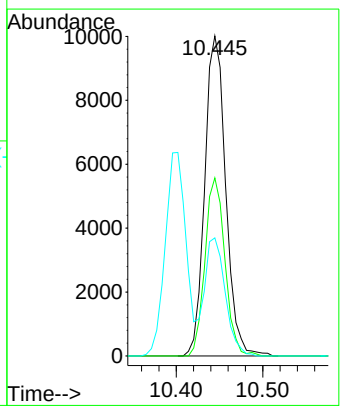


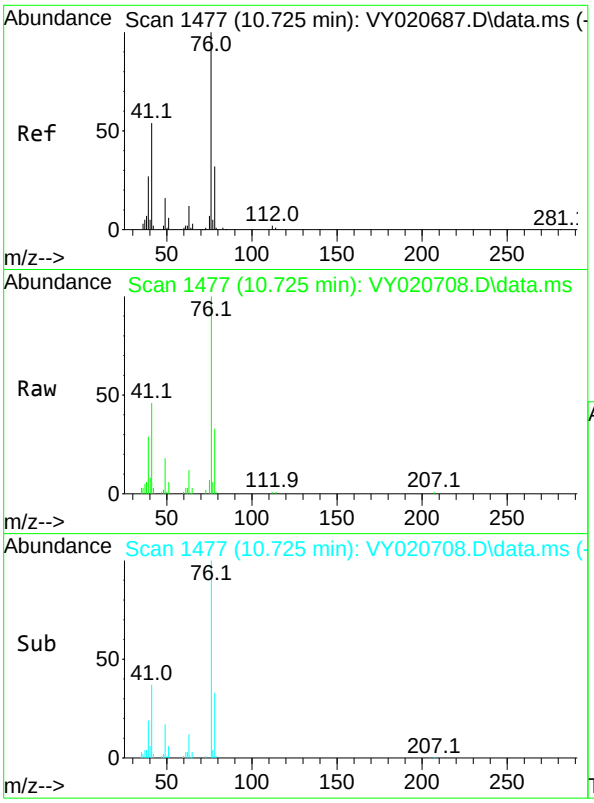


#56
Ethyl methacrylate
Concen: 19.607 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.001 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 69 Resp: 16830

Ion	Ratio	Lower	Upper
69	100		
41	53.0	43.8	65.6
39	37.5	32.0	48.0



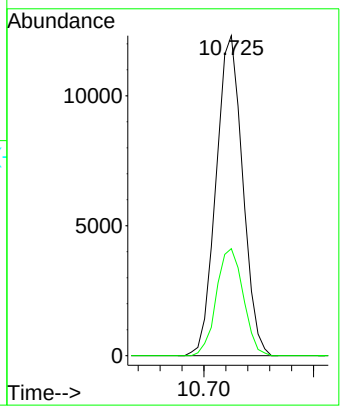


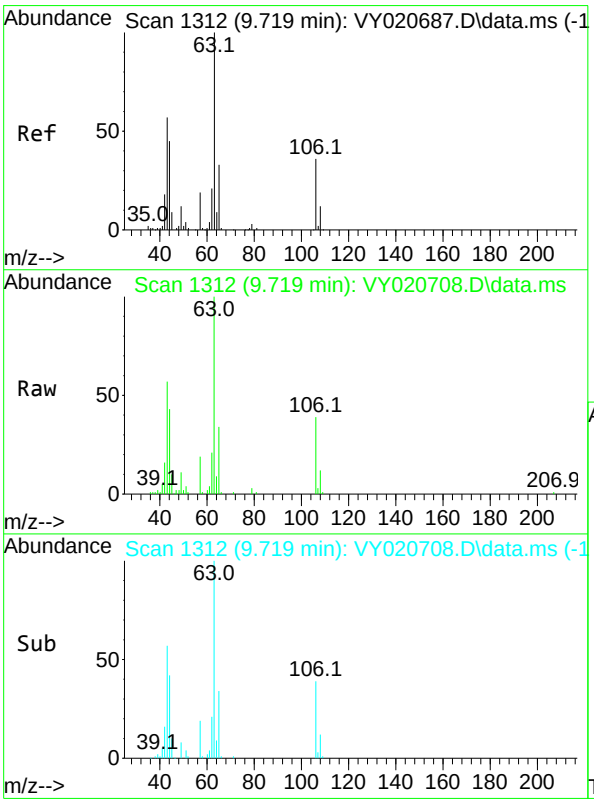
#57
1,3-Dichloropropane
Concen: 19.558 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 20740

Ion	Ratio	Lower	Upper
76	100		
78	33.7	25.0	37.6

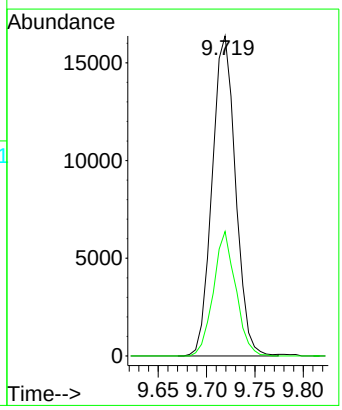


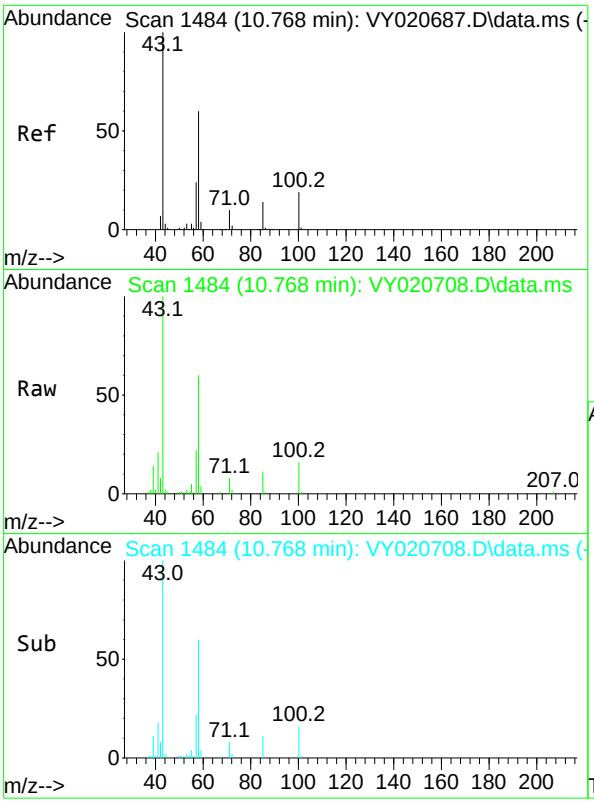


#58
2-Chloroethyl Vinyl ether
Concen: 91.985 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 63 Resp: 27533

Ion	Ratio	Lower	Upper
63	100		
106	37.2	29.1	43.7



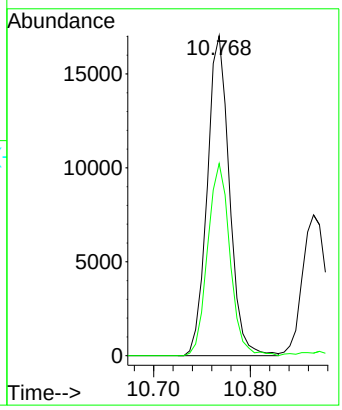


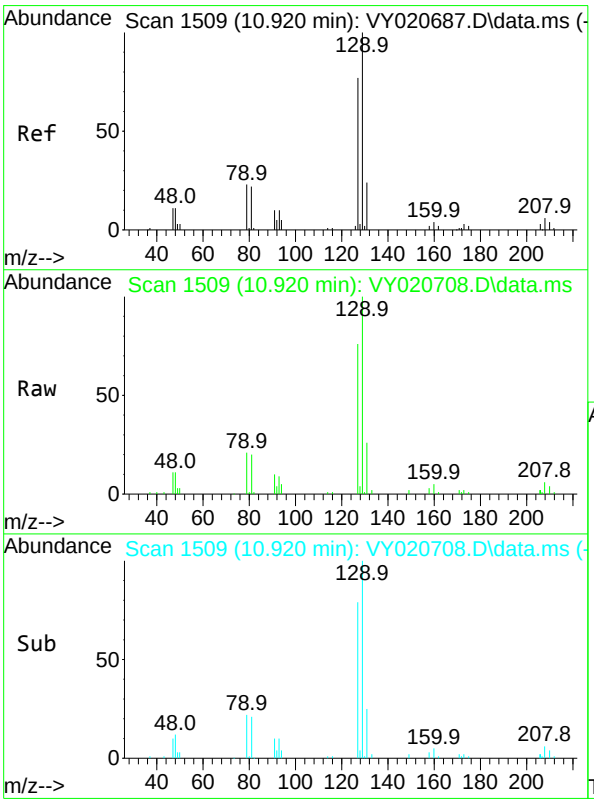
#59
2-Hexanone
Concen: 96.312 ug/l
RT: 10.768 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 27109

Ion	Ratio	Lower	Upper
43	100		
58	60.5	30.1	90.5

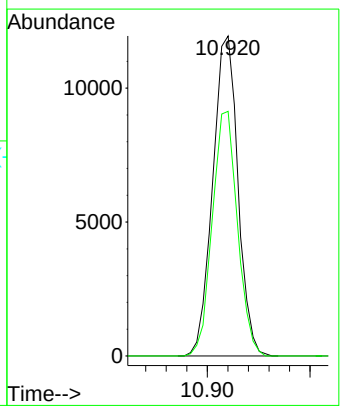


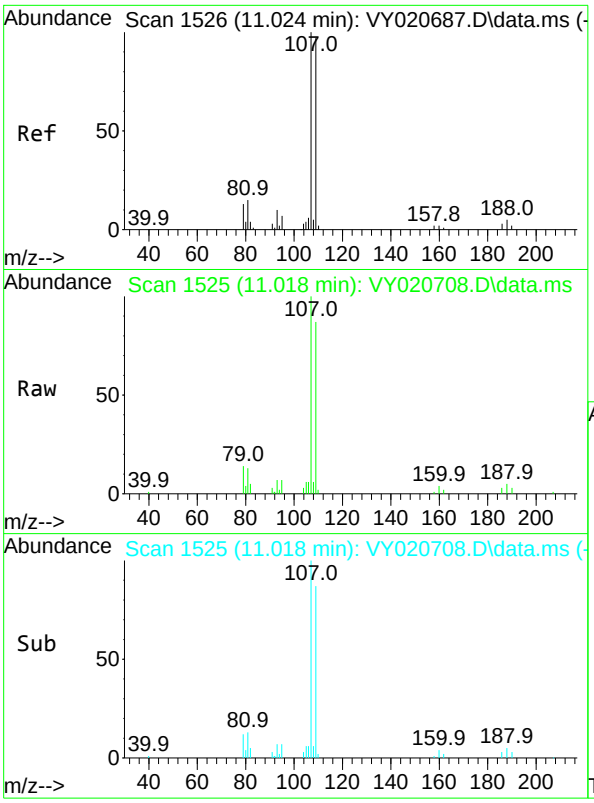


#60
Dibromochloromethane
Concen: 19.279 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:129 Resp: 20354

Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.5	115.5



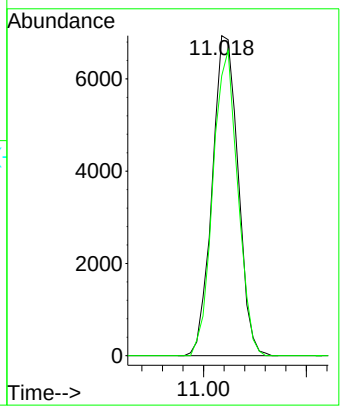


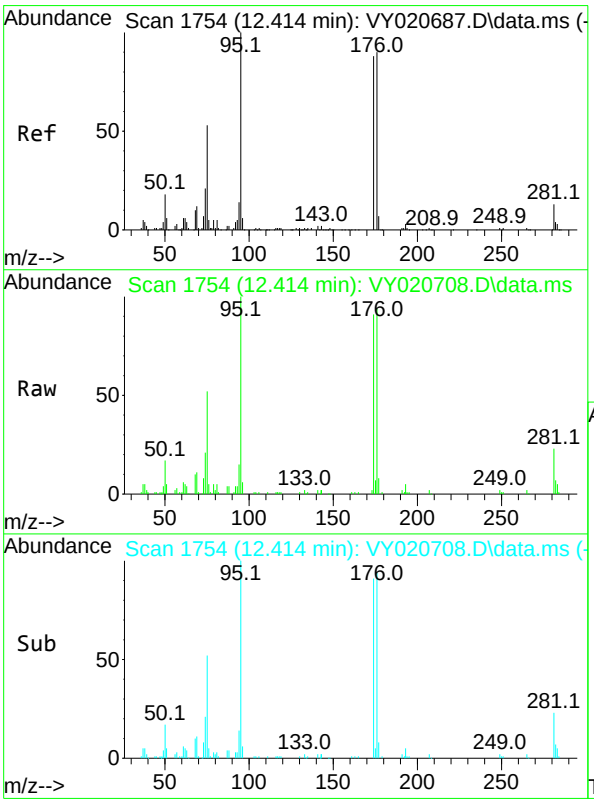
#61
1,2-Dibromoethane
Concen: 19.678 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 12098

Ion	Ratio	Lower	Upper
107	100		
109	91.7	75.5	113.3

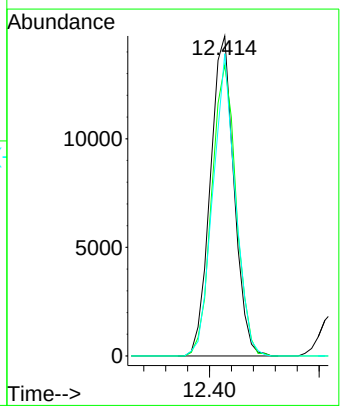


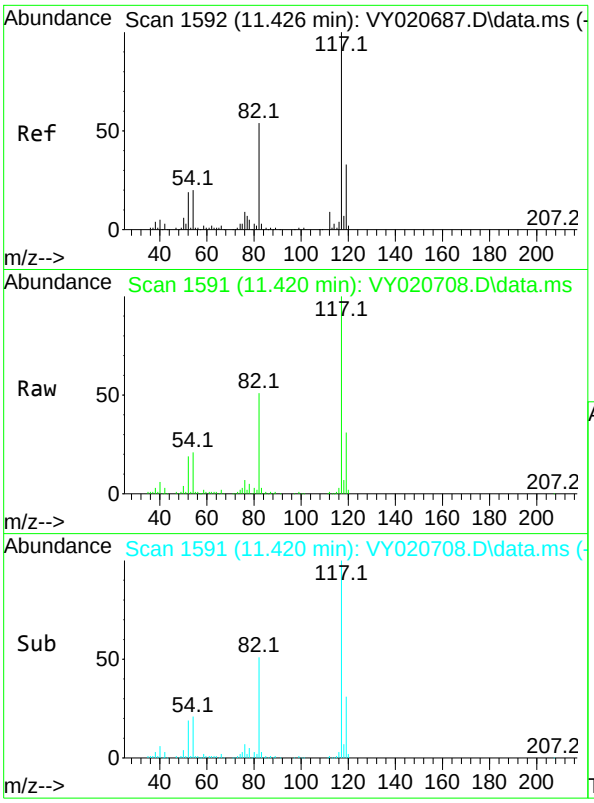


#62
4-Bromofluorobenzene
Concen: 17.414 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 95 Resp: 22093

Ion	Ratio	Lower	Upper
95	100		
174	93.2	0.0	179.2
176	89.6	0.0	179.8



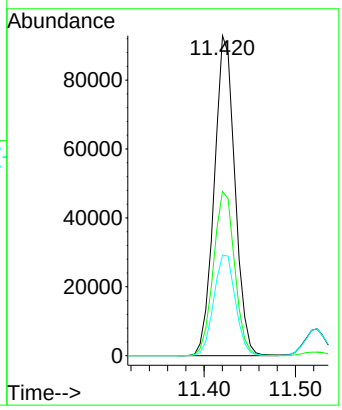


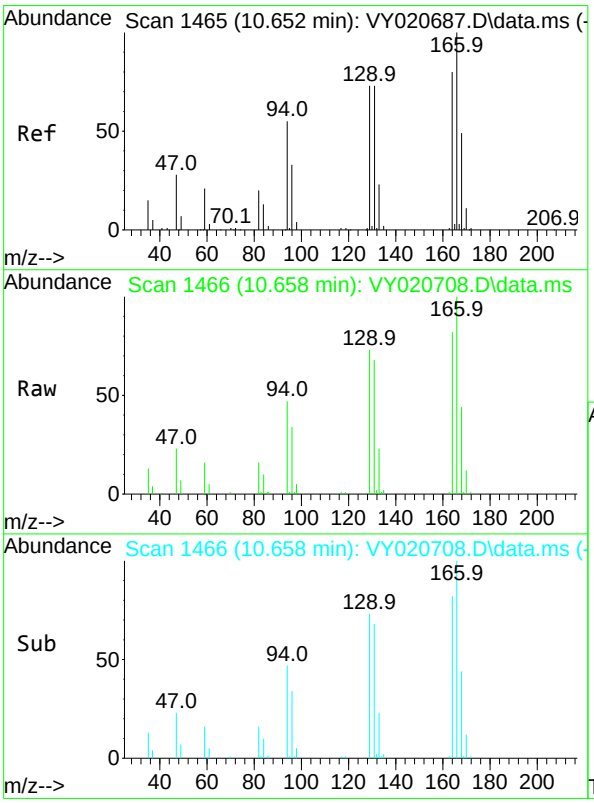
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 146011

Ion	Ratio	Lower	Upper
117	100		
82	51.4	43.4	65.2
119	31.5	26.6	39.8

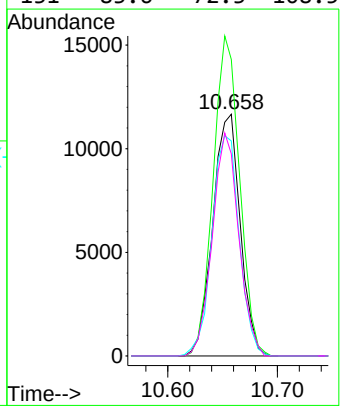


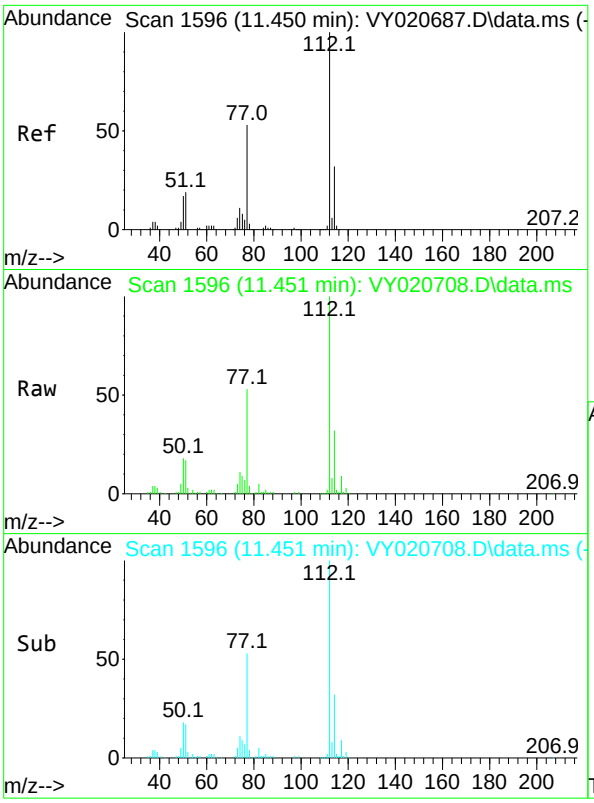


#64
Tetrachloroethene
Concen: 20.357 ug/l
RT: 10.658 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:164 Resp: 20307

Ion	Ratio	Lower	Upper
164	100		
166	122.6	99.6	149.4
129	89.0	73.0	109.4
131	83.6	72.3	108.5



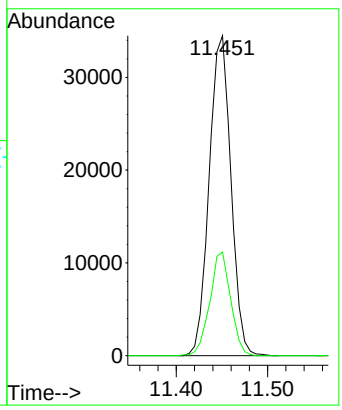


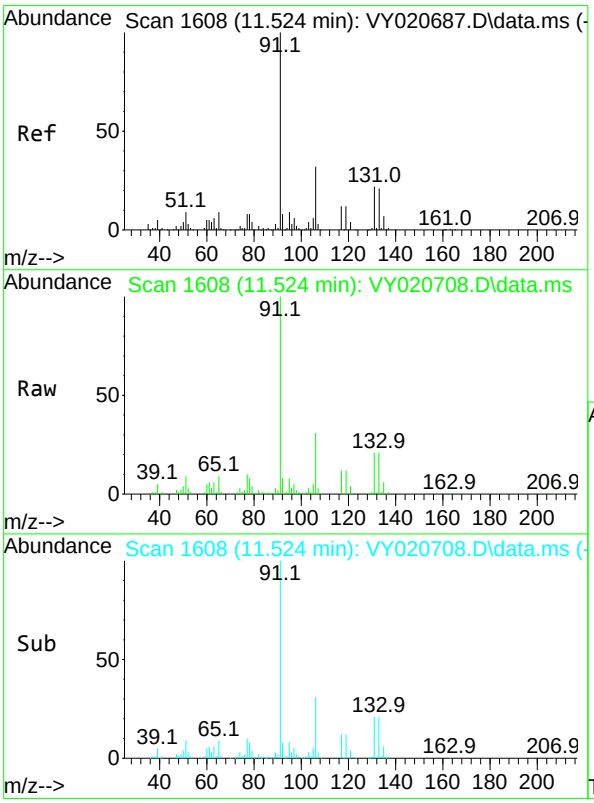
#65
Chlorobenzene
Concen: 19.935 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 56993

Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.4	38.0

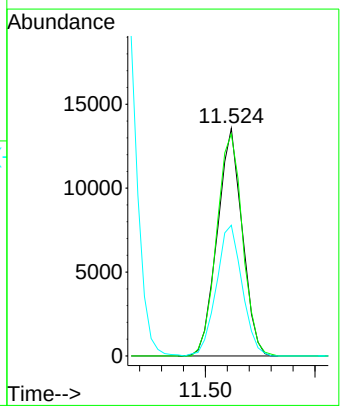


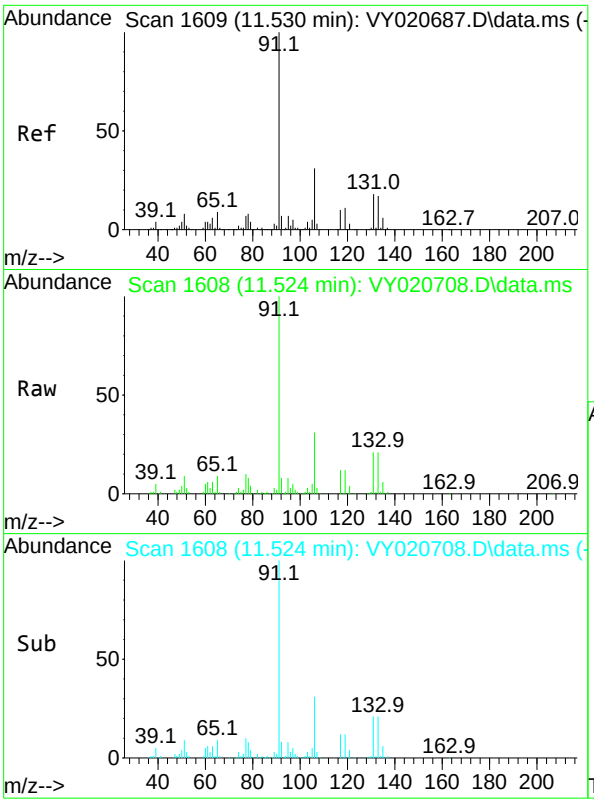


#66
1,1,1,2-Tetrachloroethane
Concen: 19.338 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:131 Resp: 21420

Ion	Ratio	Lower	Upper
131	100		
133	101.4	48.6	145.9
119	59.5	28.4	85.3



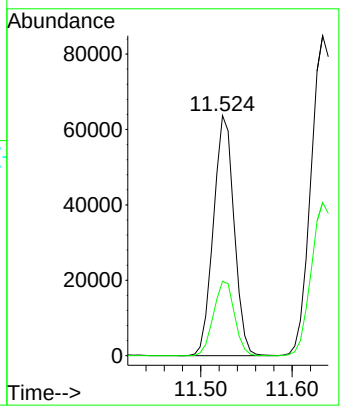


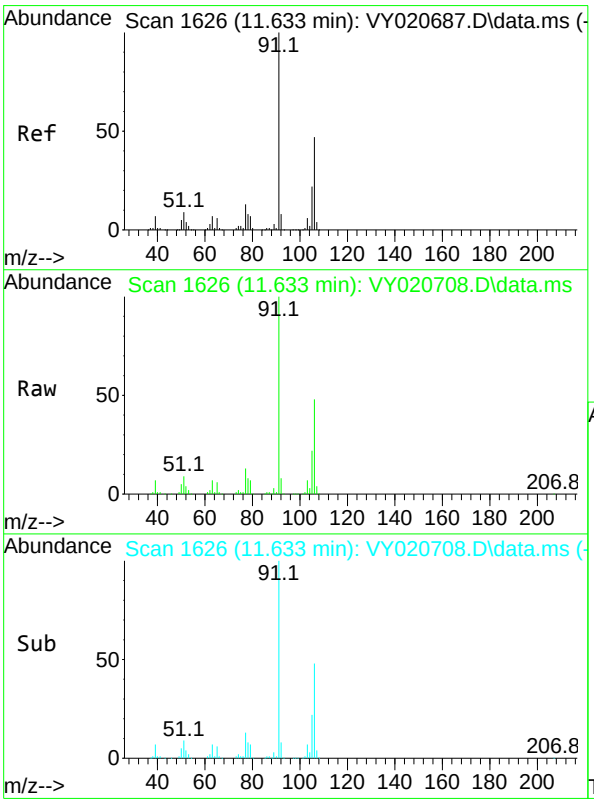
#67
Ethyl Benzene
Concen: 20.042 ug/l
RT: 11.524 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 100148

Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.5	36.7

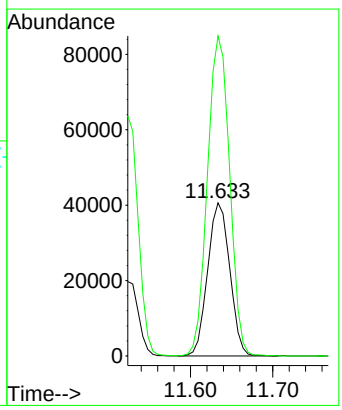


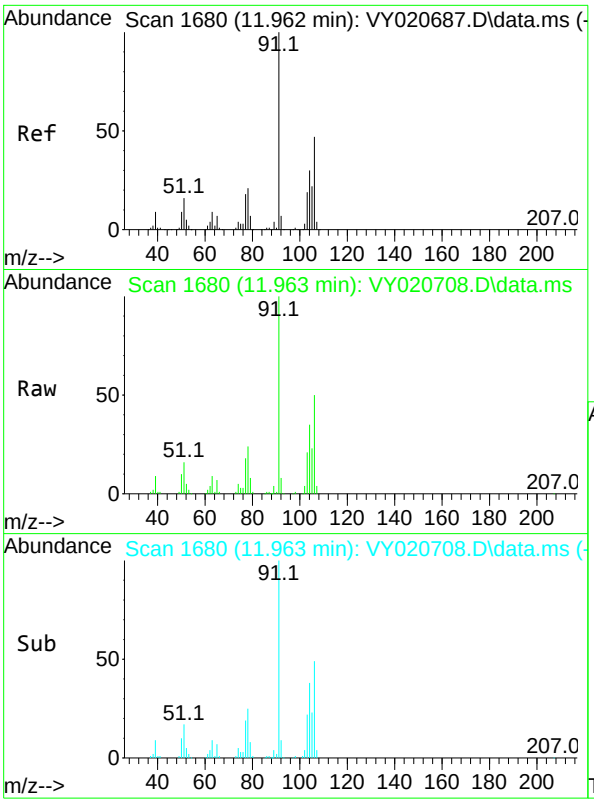


#68
m/p-Xylenes
Concen: 39.796 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:106 Resp: 75856

Ion	Ratio	Lower	Upper
106	100		
91	209.8	166.6	250.0



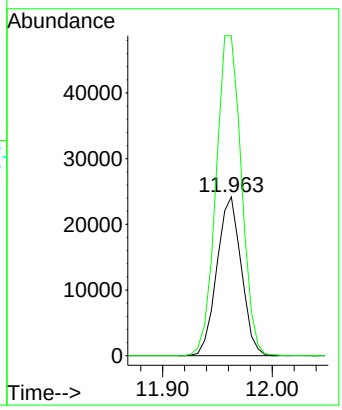


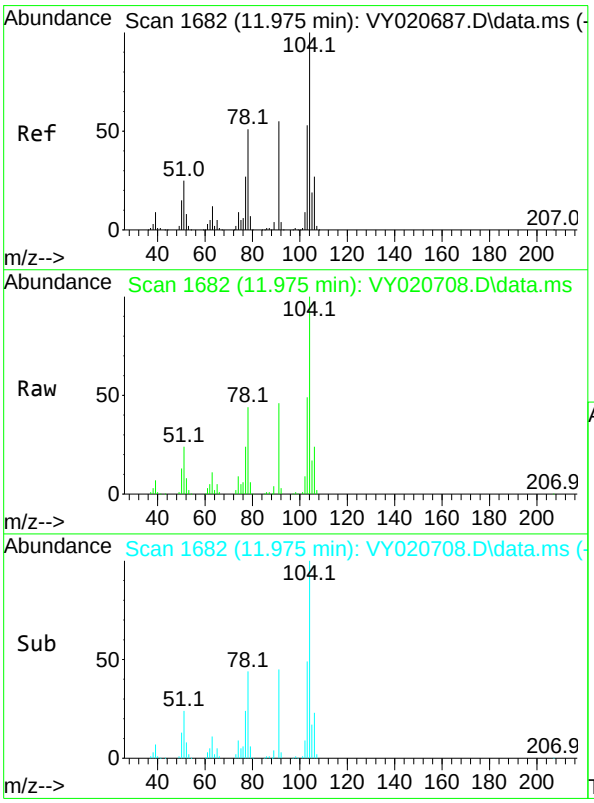
#69
o-Xylene
Concen: 20.482 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 37301

Ion	Ratio	Lower	Upper
106	100		
91	210.4	108.6	325.8

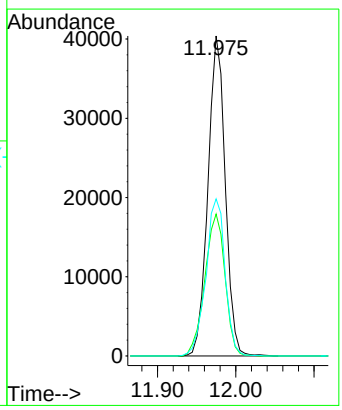


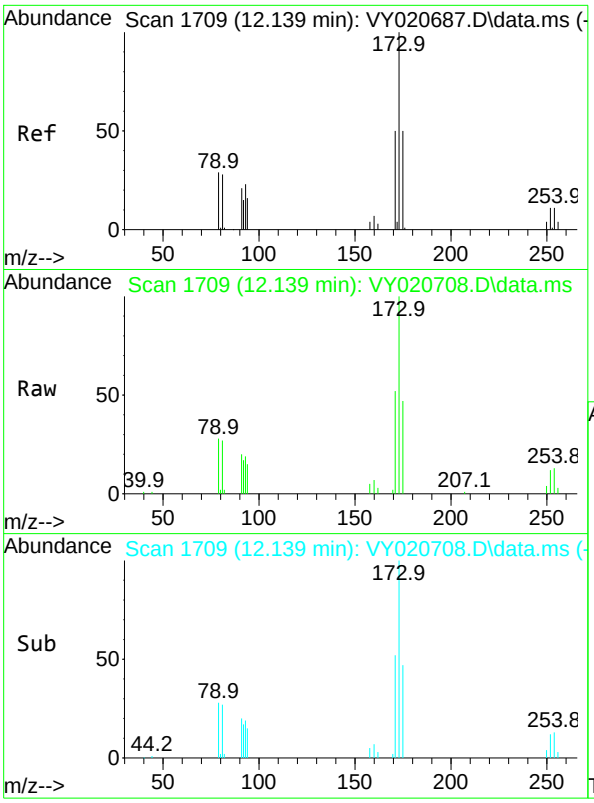


#70
Styrene
Concen: 20.262 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:104 Resp: 61946

Ion	Ratio	Lower	Upper
104	100		
78	51.5	43.0	64.4
103	54.7	44.4	66.6



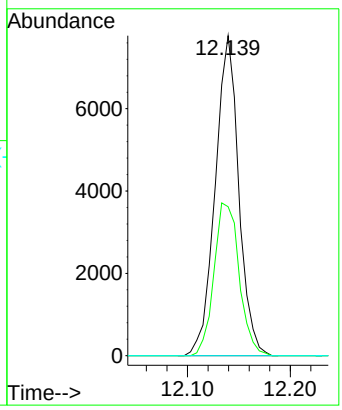


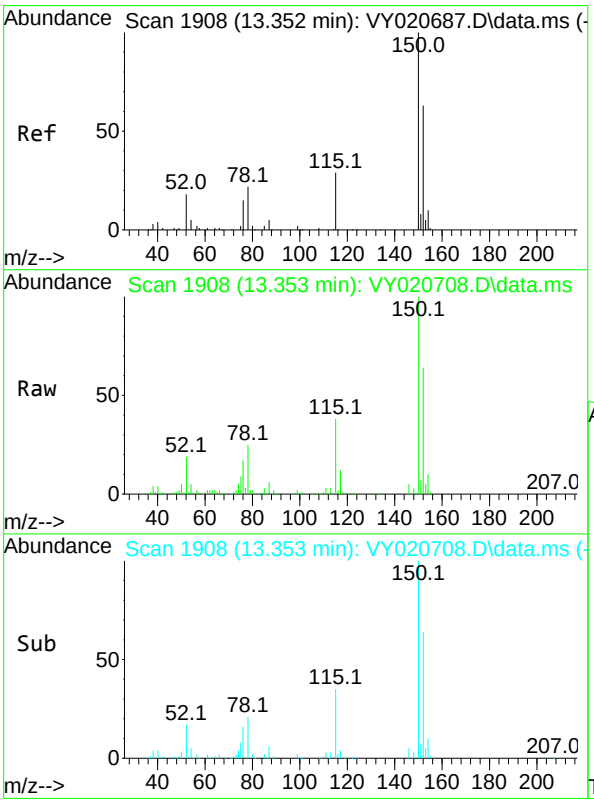
#71
Bromoform
Concen: 19.400 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 12354

Ion	Ratio	Lower	Upper
173	100		
175	51.0	24.2	72.6
254	0.0	0.0	0.0

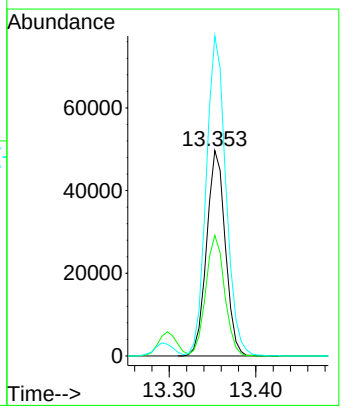


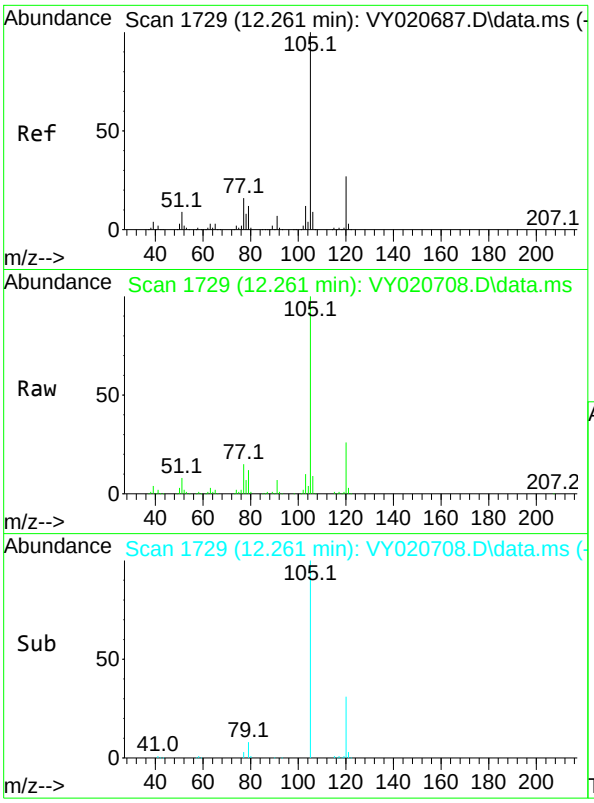


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.001 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:152 Resp: 74311

Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.3	90.9
150	164.5	0.0	349.0



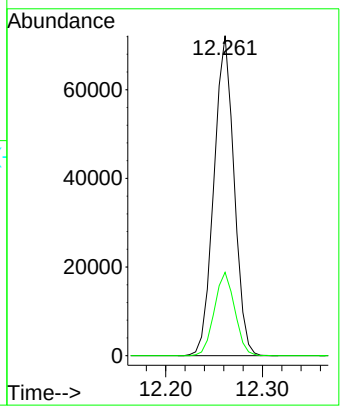


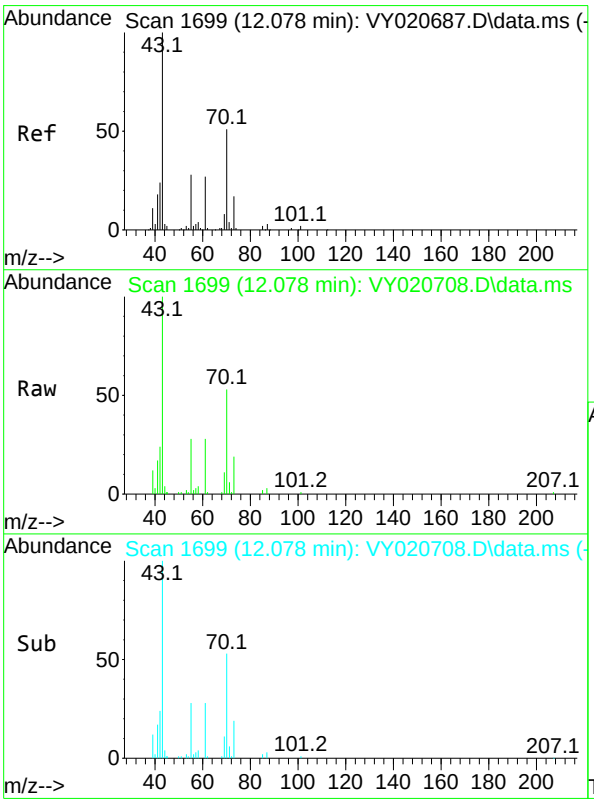
#73
Isopropylbenzene
Concen: 20.254 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 104274

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.3	39.9

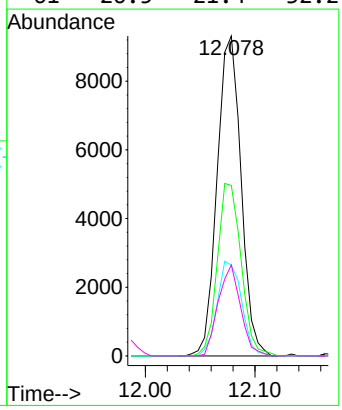


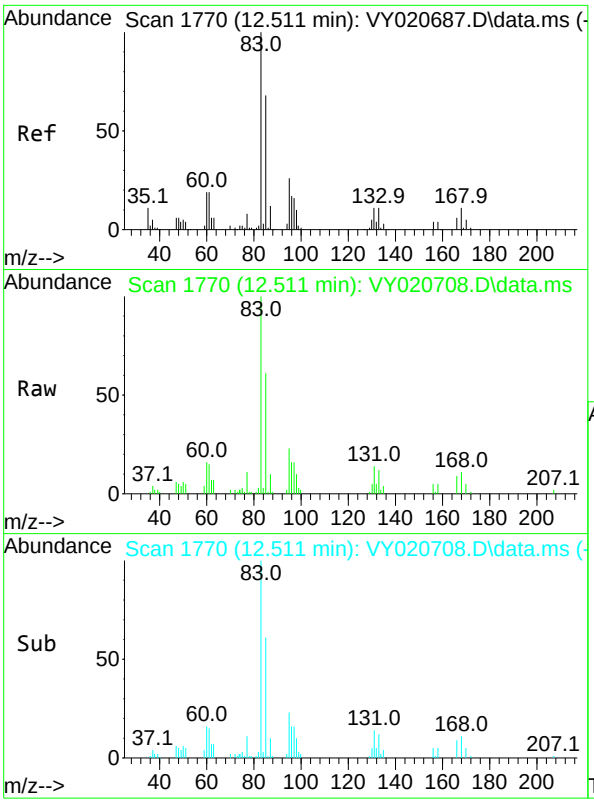


#74
N-amyl acetate
Concen: 19.346 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 43 Resp: 14154

Ion	Ratio	Lower	Upper
43	100		
70	53.5	39.7	59.5
55	30.2	21.5	32.3
61	26.5	21.4	32.2



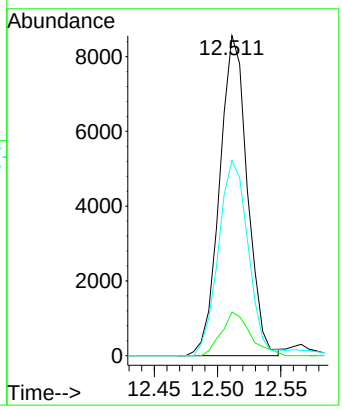


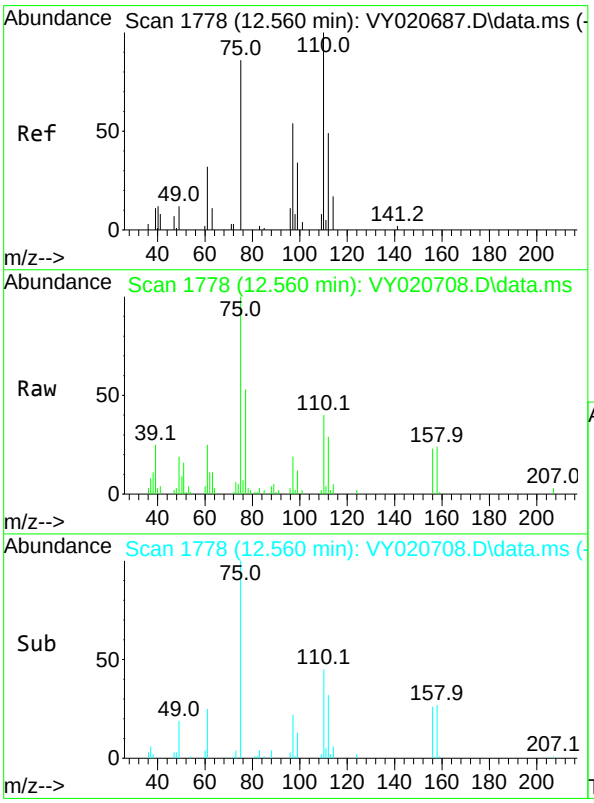
#75
1,1,2,2-Tetrachloroethane
Concen: 19.742 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 13030

Ion	Ratio	Lower	Upper
83	100		
131	14.2	6.9	20.7
85	65.8	32.5	97.4

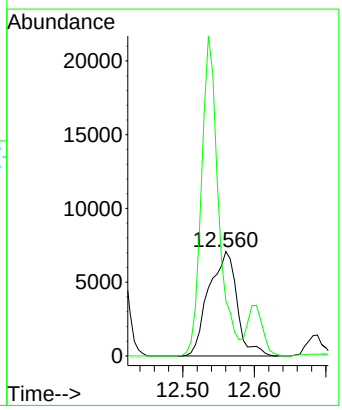


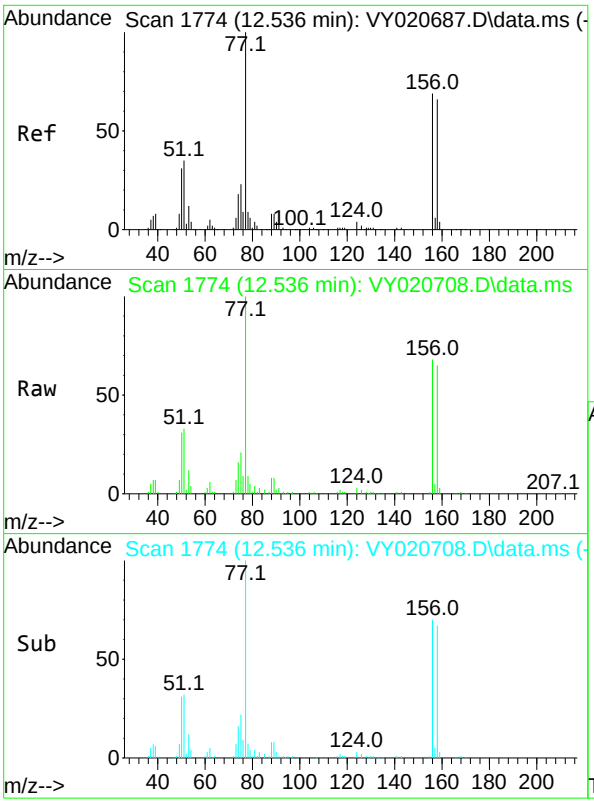


#76
1,2,3-Trichloropropane
Concen: 33.108 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 75 Resp: 19407

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



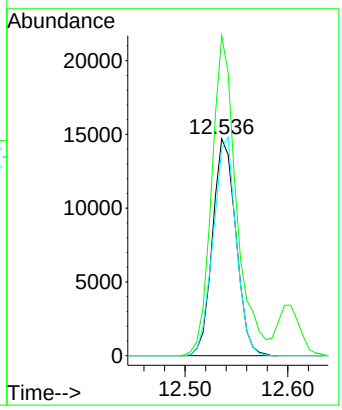


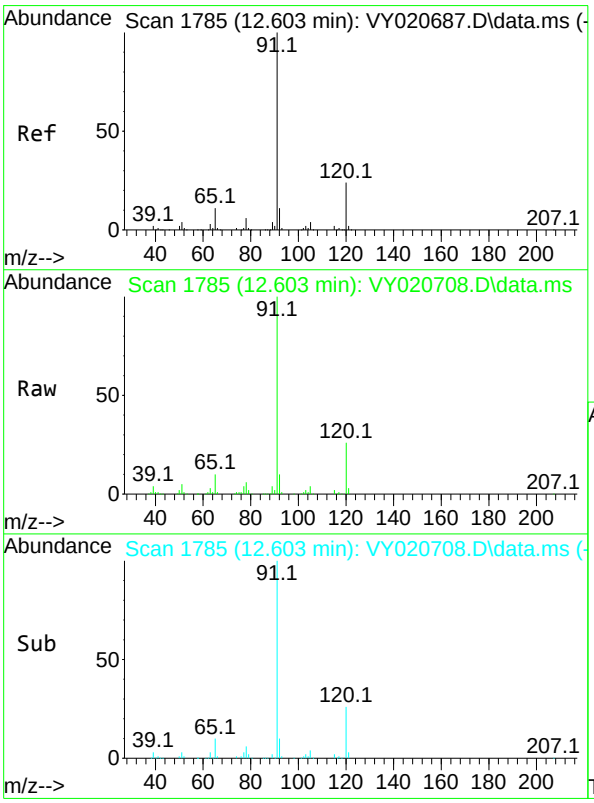
#77
Bromobenzene
Concen: 19.534 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 23151

Ion	Ratio	Lower	Upper
156	100		
77	155.8	78.3	235.0
158	99.5	48.3	144.9

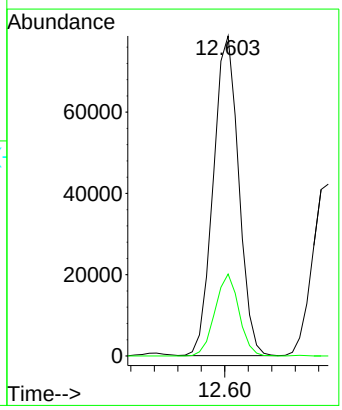


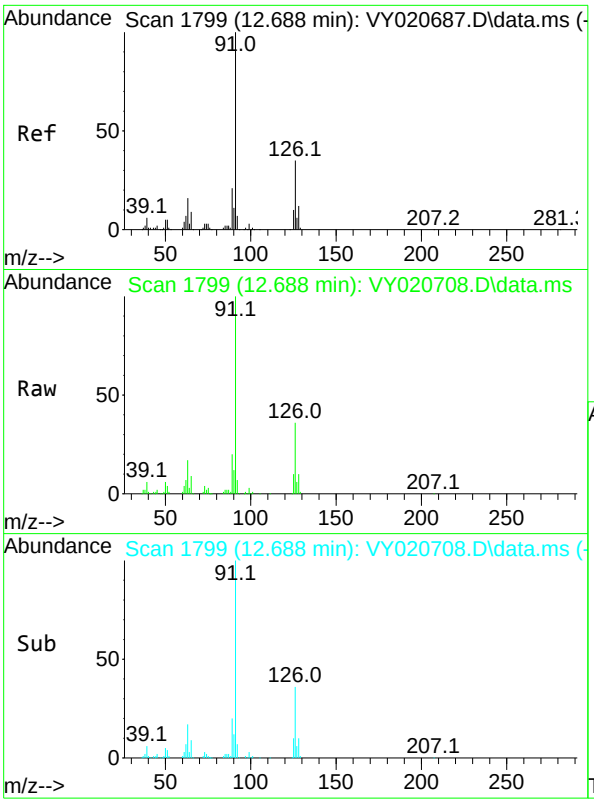


#78
n-propylbenzene
Concen: 20.458 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 91 Resp: 118053

Ion	Ratio	Lower	Upper
91	100		
120	24.1	12.3	36.8



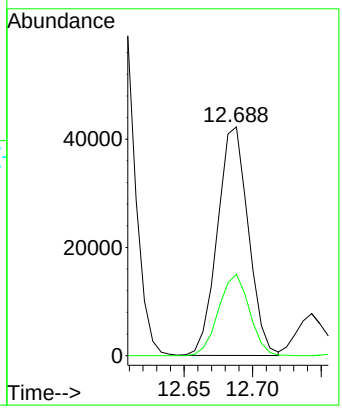


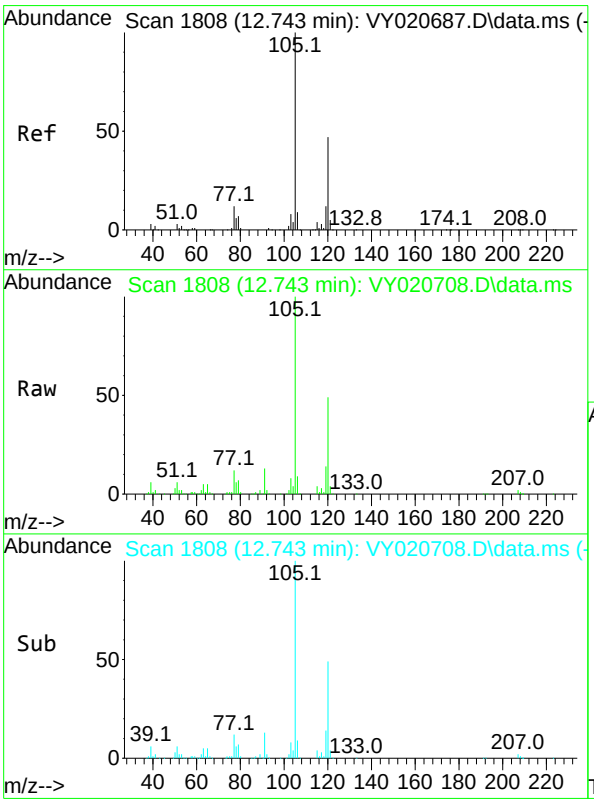
#79
2-Chlorotoluene
Concen: 20.135 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 66234

Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.8	53.3

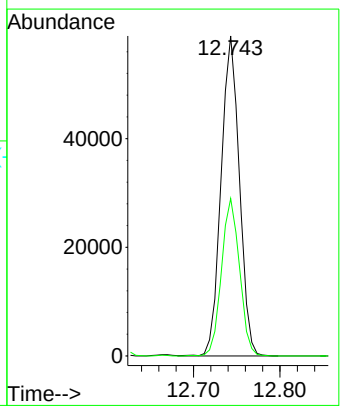


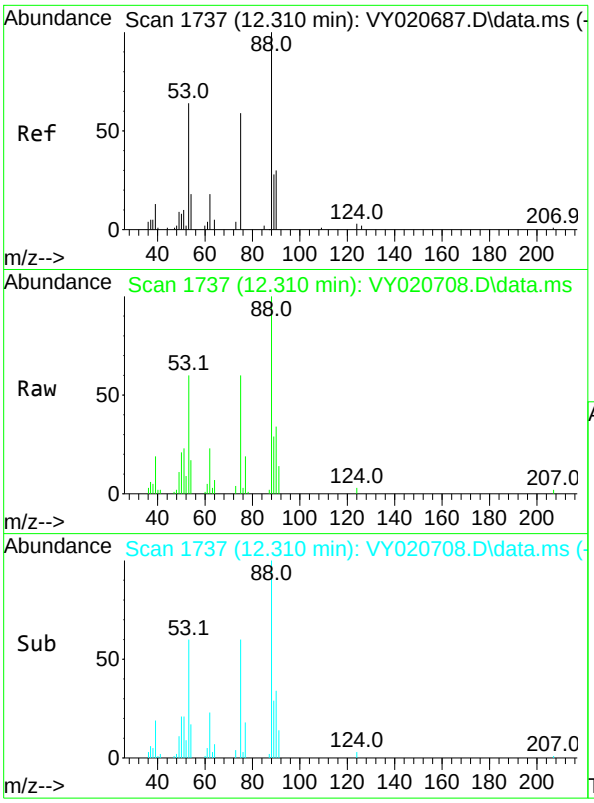


#80
1,3,5-Trimethylbenzene
Concen: 20.157 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:105 Resp: 86460

Ion	Ratio	Lower	Upper
105	100		
120	48.4	23.9	71.7



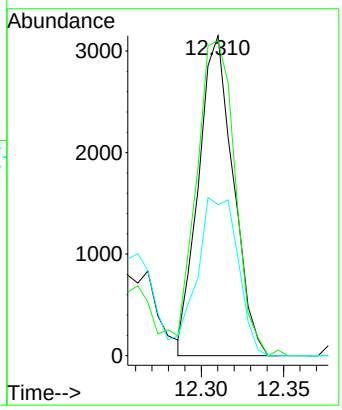


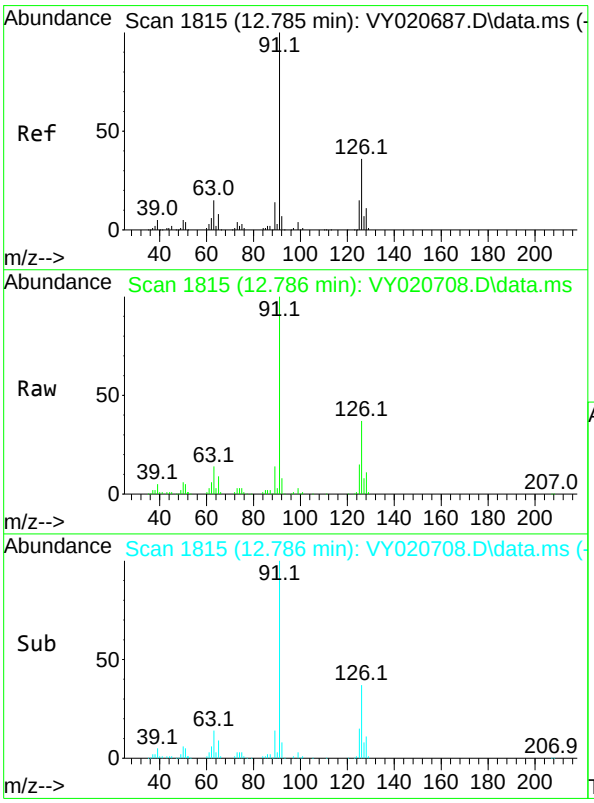
#81
trans-1,4-Dichloro-2-butene
Concen: 19.322 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 4620

Ion	Ratio	Lower	Upper
75	100		
53	112.4	83.1	124.7
89	58.5	40.6	61.0

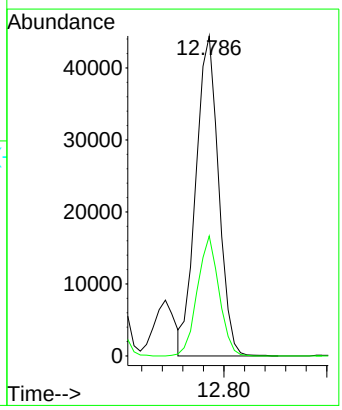


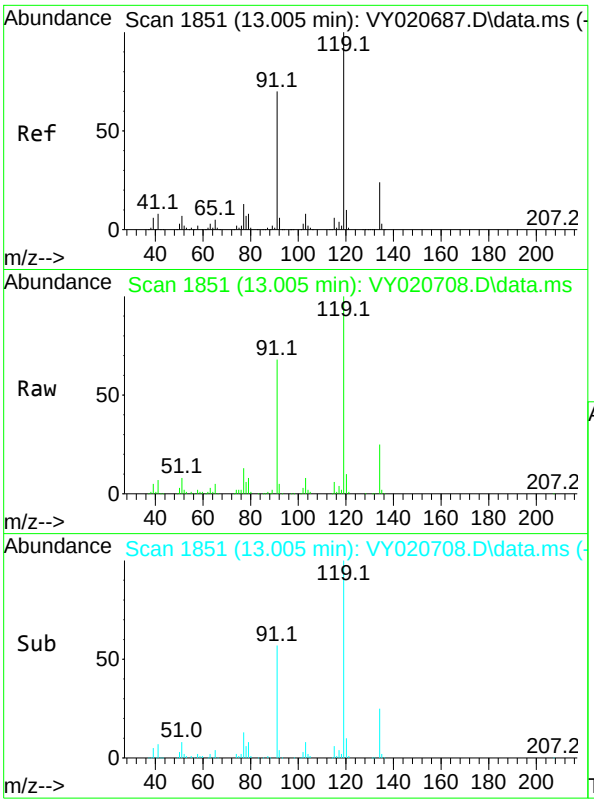


#82
4-Chlorotoluene
Concen: 20.057 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.001 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 91 Resp: 68187

Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.8	53.5



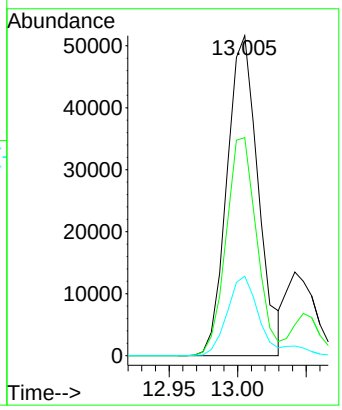


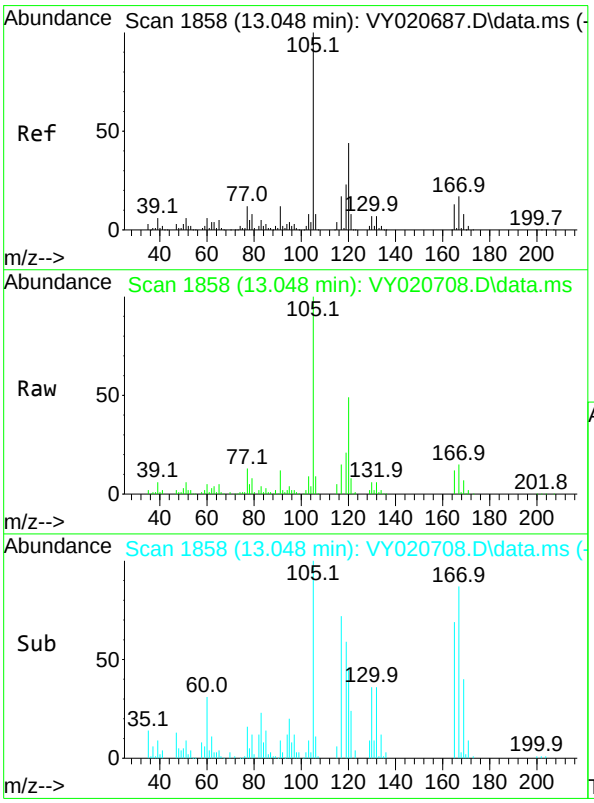
#83
tert-Butylbenzene
Concen: 20.410 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 81757

Ion	Ratio	Lower	Upper
119	100		
91	66.7	33.6	100.8
134	26.8	13.4	40.2

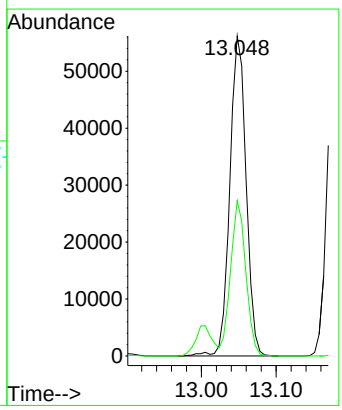


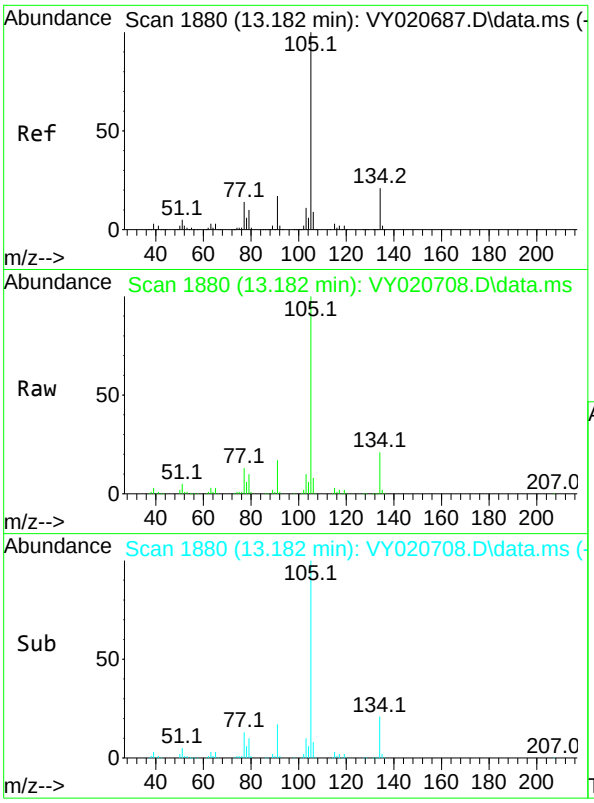


#84
1,2,4-Trimethylbenzene
Concen: 20.370 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:105 Resp: 85025

Ion	Ratio	Lower	Upper
105	100		
120	45.6	21.8	65.3



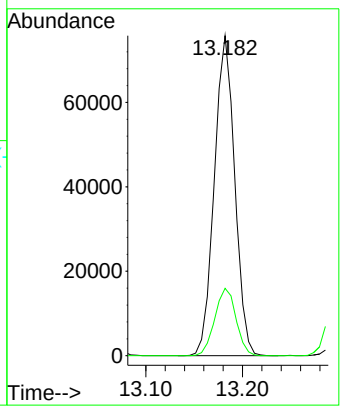


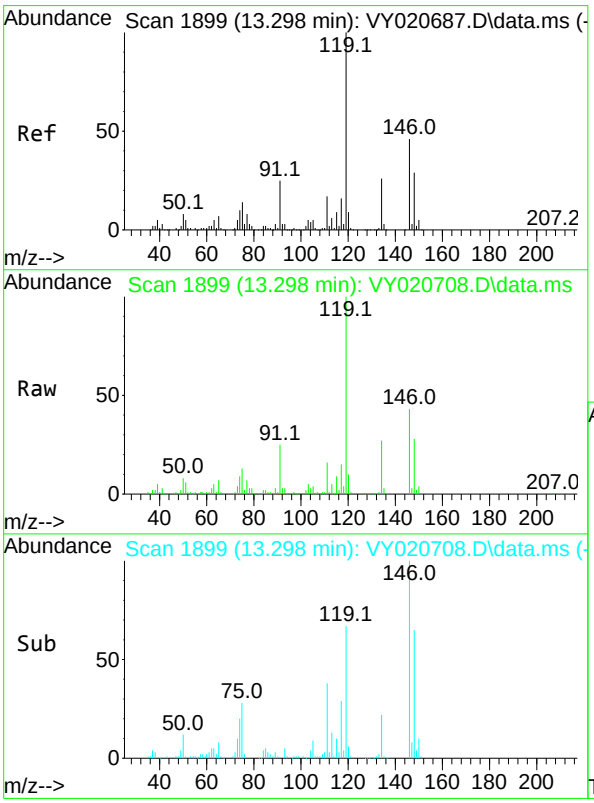
#85
sec-Butylbenzene
Concen: 20.536 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 110869

Ion	Ratio	Lower	Upper
105	100		
134	21.9	10.7	32.1

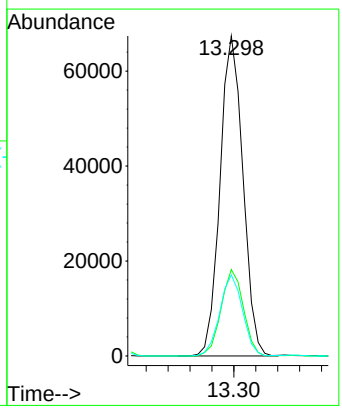


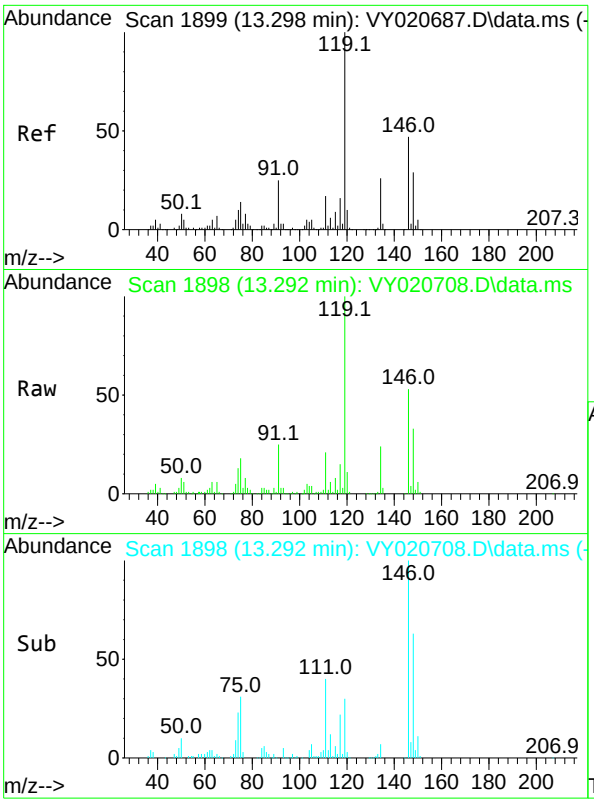


#86
p-Isopropyltoluene
Concen: 20.311 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:119 Resp: 97722

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.4	40.2
91	25.2	12.9	38.6



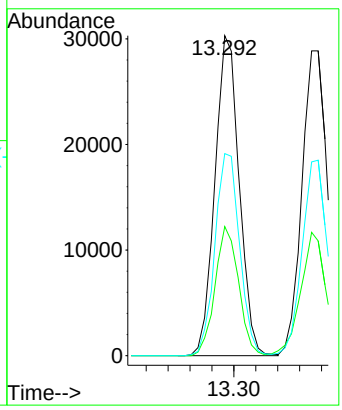


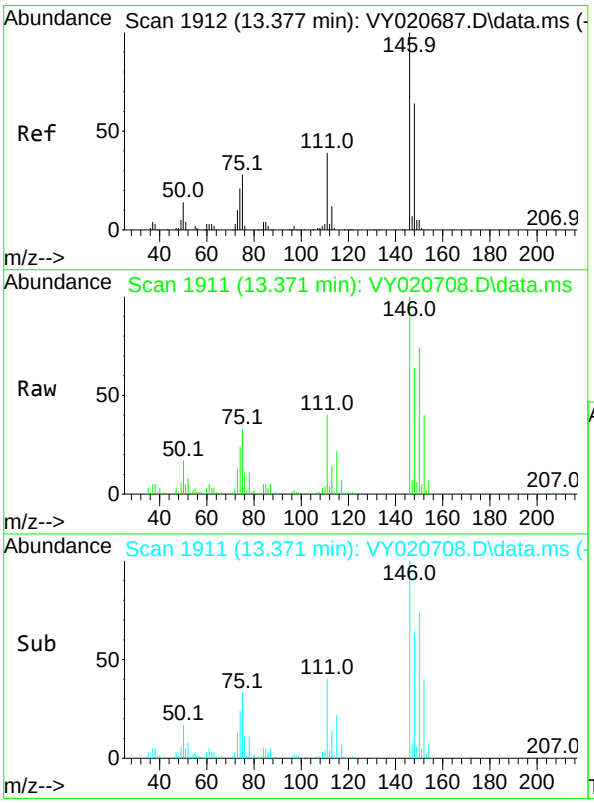
#87
1,3-Dichlorobenzene
Concen: 20.113 ug/l
RT: 13.292 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 46587

Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.3	57.8
148	64.3	31.1	93.5

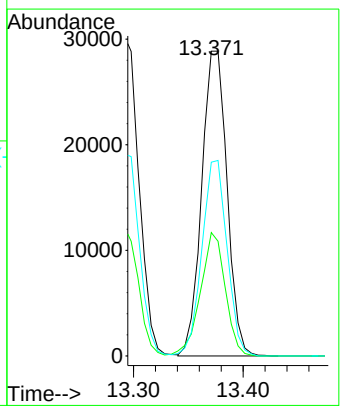


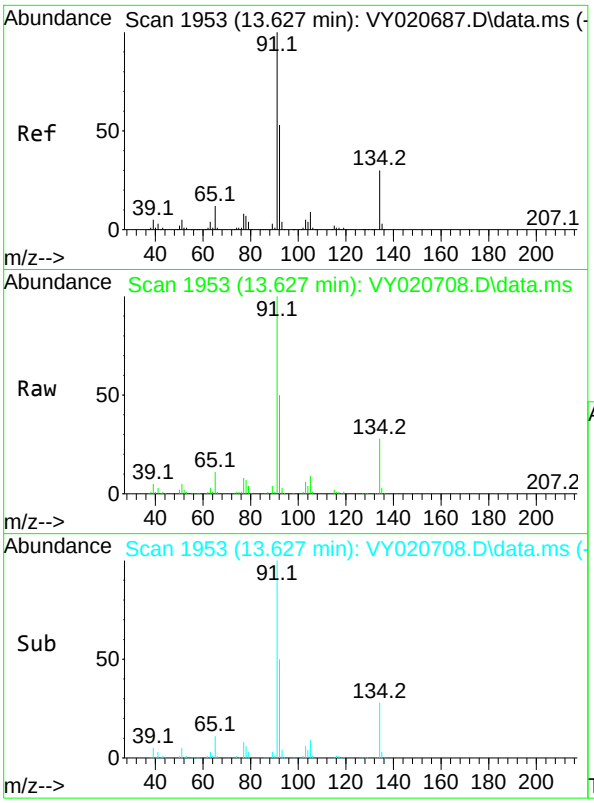


#88
1,4-Dichlorobenzene
Concen: 20.154 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:146 Resp: 46439

Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.0
148	63.7	32.8	98.3



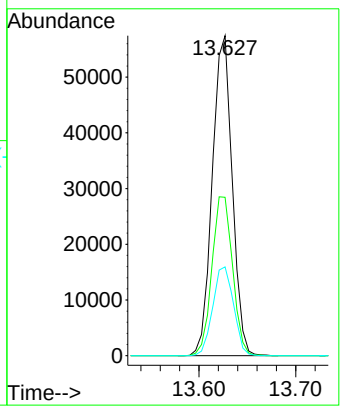


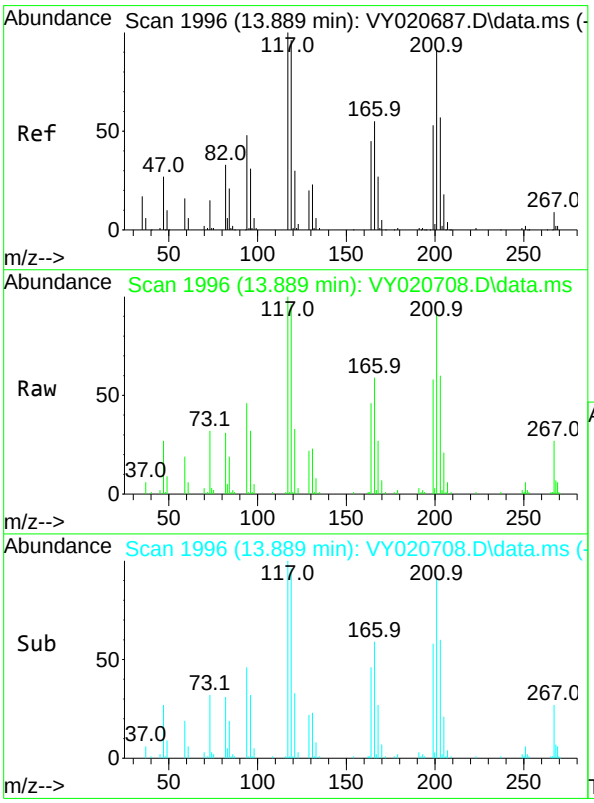
#89
n-Butylbenzene
Concen: 20.454 ug/l
RT: 13.627 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 82147

Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.1	78.2
134	28.9	14.8	44.4

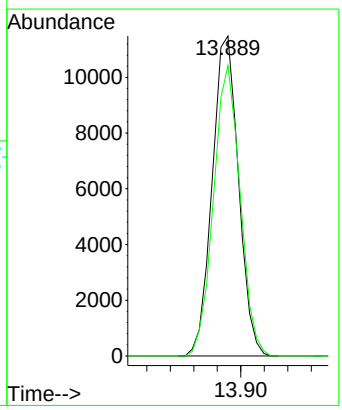


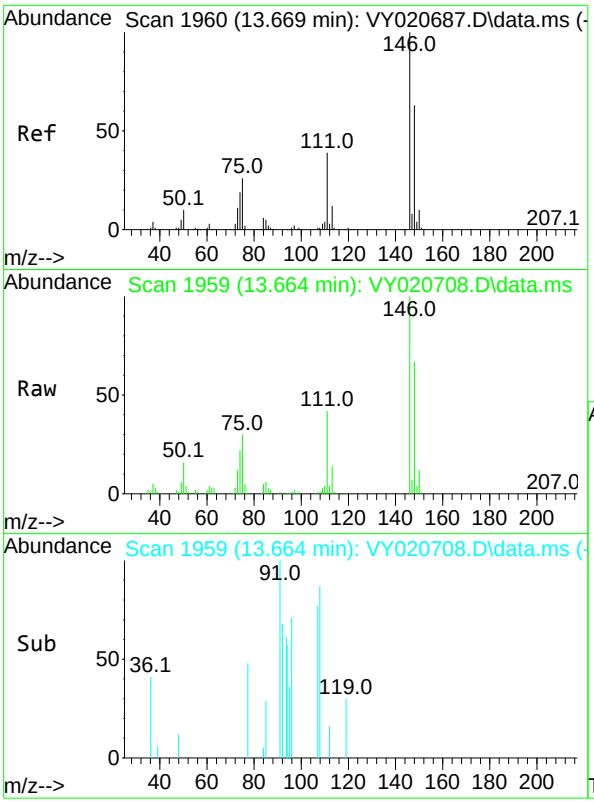


#90
Hexachloroethane
Concen: 19.517 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:117 Resp: 17856

Ion	Ratio	Lower	Upper
117	100		
201	91.7	44.9	134.7



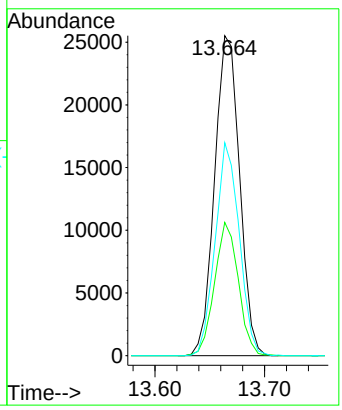


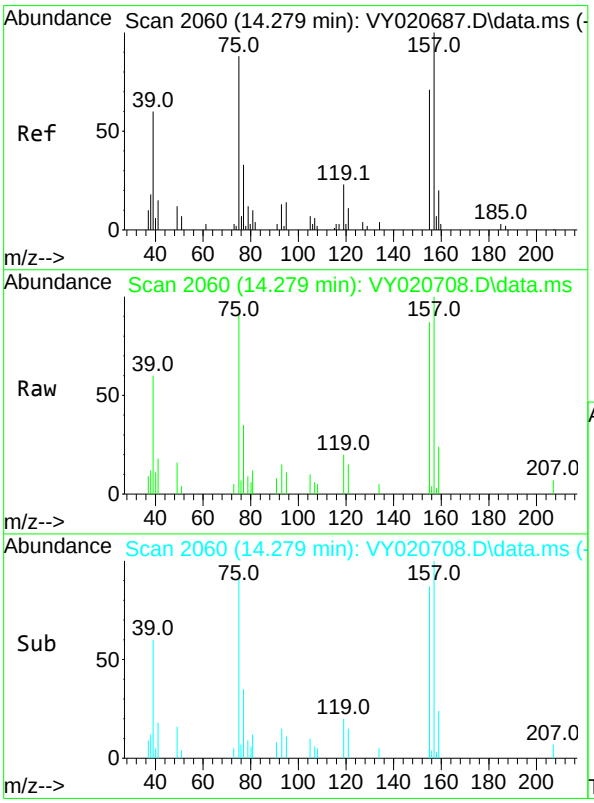
#91
1,2-Dichlorobenzene
Concen: 20.378 ug/l
RT: 13.664 min Scan# 1
Delta R.T. -0.005 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 40471

Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.3	60.8
148	64.1	31.9	95.5

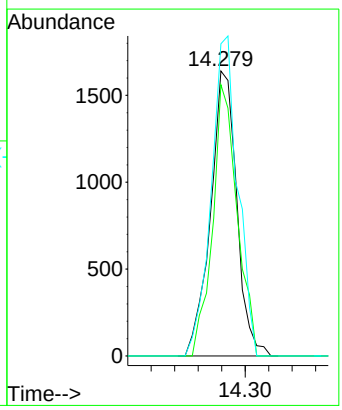


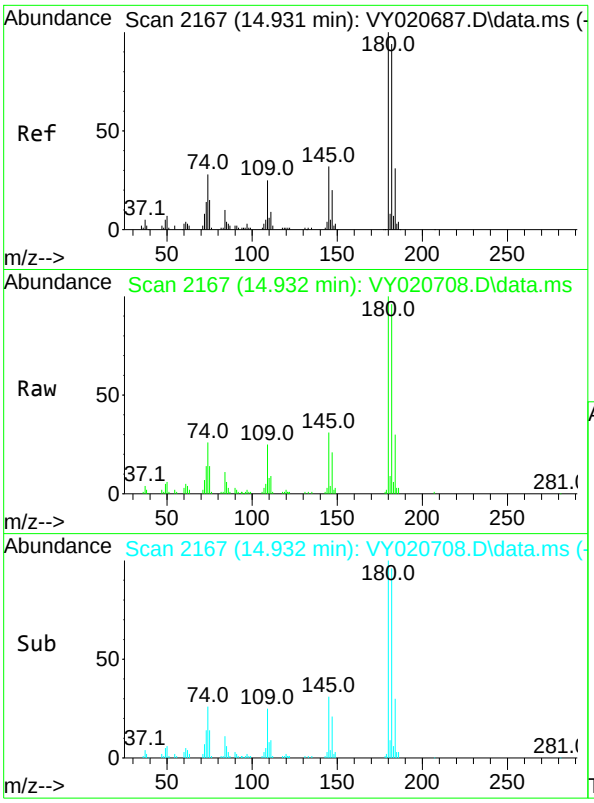


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.905 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion: 75 Resp: 2548

Ion	Ratio	Lower	Upper
75	100		
155	88.6	43.4	130.2
157	113.3	58.6	175.7



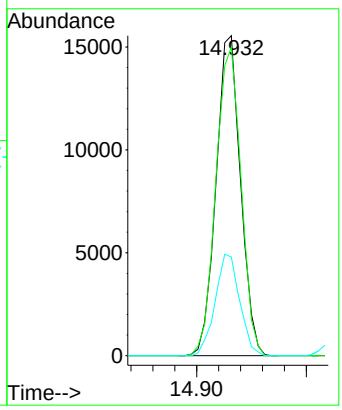


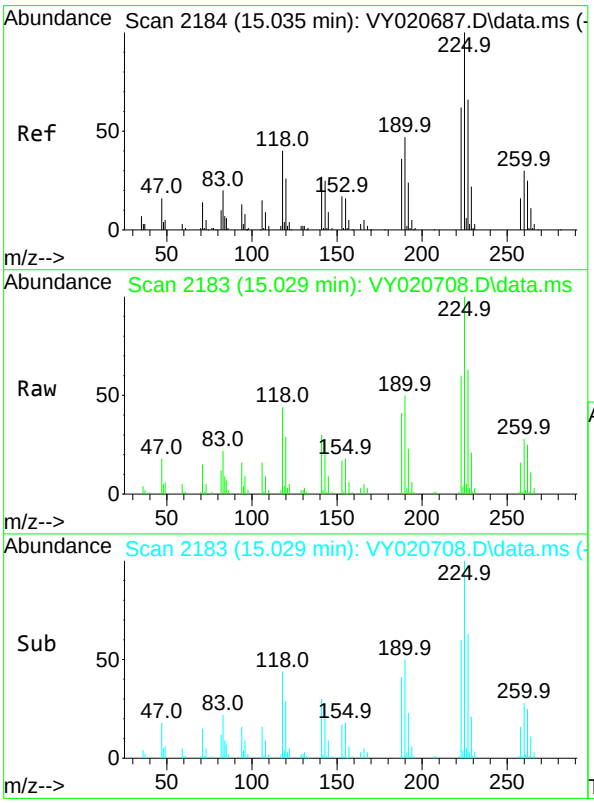
#93
1,2,4-Trichlorobenzene
Concen: 19.089 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.001 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 24098

Ion	Ratio	Lower	Upper
180	100		
182	99.1	47.9	143.7
145	31.8	15.6	46.8

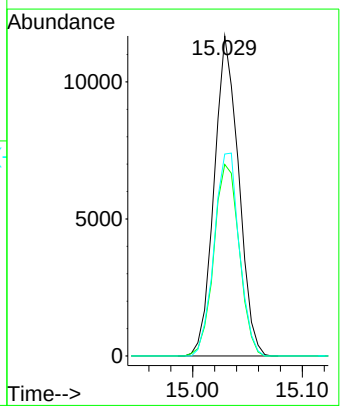


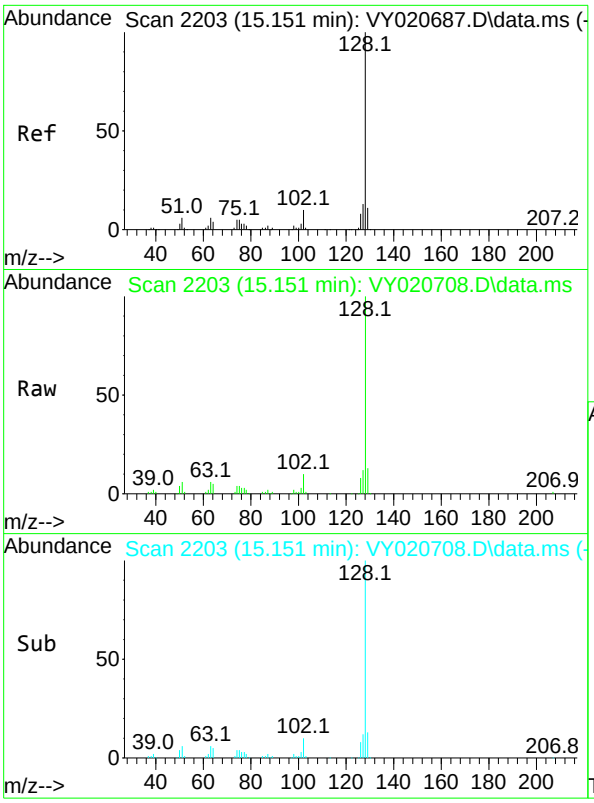


#94
Hexachlorobutadiene
Concen: 19.654 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.006 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:225 Resp: 18082

Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.3	93.8
227	65.2	32.1	96.5



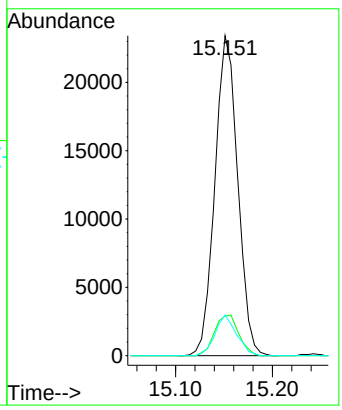


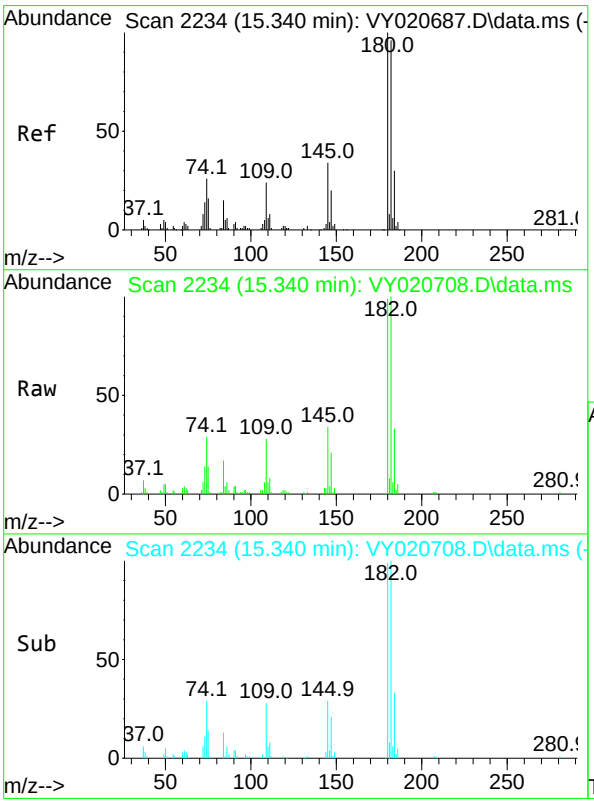
#95
Naphthalene
Concen: 18.968 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 38351

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	11.9	8.6	12.8

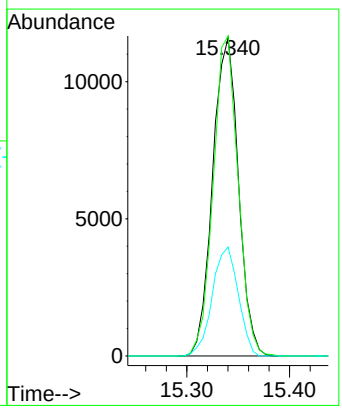




#96
1,2,3-Trichlorobenzene
Concen: 19.187 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.000 min
Lab File: VY020708.D
Acq: 26 Dec 2024 10:16

Tgt Ion:180 Resp: 20167

Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.4	142.2
145	34.5	16.7	50.1



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020709.D
Acq On : 26 Dec 2024 10:39
Operator : SY/MD
Sample : VSTDICC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Dec 26 16:06:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.720	168	95919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	134605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	116249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	60351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	49534	63.047	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.100%			
35) Dibromofluoromethane	7.646	113	42955	57.936	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.880%			
50) Toluene-d8	10.115	98	165135	55.802	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.600%			
62) 4-Bromofluorobenzene	12.414	95	57393	58.248	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 116.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	38801	51.393	ug/l	98
3) Chloromethane	2.074	50	15038	53.407	ug/l	98
4) Vinyl Chloride	2.214	62	18435	52.843	ug/l	99
5) Bromomethane	2.611	94	13527	51.355	ug/l	93
6) Chloroethane	2.745	64	10817	51.686	ug/l	98
7) Trichlorofluoromethane	3.074	101	68580	51.119	ug/l	99
8) Diethyl Ether	3.464	74	17063	53.449	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.830	101	37468	50.872	ug/l	99
10) Methyl Iodide	4.019	142	43478	53.984	ug/l	97
11) Tert butyl alcohol	4.879	59	13467	276.533	ug/l #	91
12) 1,1-Dichloroethene	3.806	96	33758	51.495	ug/l	97
13) Acrolein	3.665	56	3048	185.584	ug/l	98
14) Allyl chloride	4.397	41	39674	51.717	ug/l	96
15) Acrylonitrile	5.074	53	34070	276.260	ug/l	98
16) Acetone	3.879	43	26066	261.525	ug/l	97
17) Carbon Disulfide	4.123	76	86912	54.046	ug/l	100
18) Methyl Acetate	4.397	43	15232	56.466	ug/l	97
19) Methyl tert-butyl Ether	5.128	73	97389	53.300	ug/l	96
20) Methylene Chloride	4.635	84	32892	50.741	ug/l	93
21) trans-1,2-Dichloroethene	5.128	96	37498	53.081	ug/l	95
22) Diisopropyl ether	6.031	45	82233	52.731	ug/l	98
23) Vinyl Acetate	5.976	43	257552	276.499	ug/l	99
24) 1,1-Dichloroethane	5.933	63	59422	50.822	ug/l	99
25) 2-Butanone	6.903	43	38144	283.310	ug/l	97
26) 2,2-Dichloropropane	6.896	77	71954	50.280	ug/l	100
27) cis-1,2-Dichloroethene	6.903	96	44338	52.410	ug/l	97
28) Bromochloromethane	7.256	49	18465	59.719	ug/l	96
29) Tetrahydrofuran	7.274	42	23409	283.255	ug/l	96
30) Chloroform	7.433	83	75540	50.224	ug/l	93
31) Cyclohexane	7.713	56	48960	48.512	ug/l	99
32) 1,1,1-Trichloroethane	7.628	97	82365	51.087	ug/l	99
36) 1,1-Dichloropropene	7.848	75	50348	51.408	ug/l	99
37) Ethyl Acetate	7.000	43	17946	55.607	ug/l	99
38) Carbon Tetrachloride	7.829	117	82604	51.220	ug/l	97
39) Methylcyclohexane	9.116	83	65222	51.957	ug/l	99
40) Benzene	8.091	78	146525	51.623	ug/l	97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020709.D
Acq On : 26 Dec 2024 10:39
Operator : SY/MD
Sample : VSTDICC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Dec 26 16:06:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	7518	46.116	ug/l	#	71
42) 1,2-Dichloroethane	8.165	62	49005	53.844	ug/l		100
43) Isopropyl Acetate	8.207	43	38693	56.406	ug/l		99
44) Trichloroethene	8.872	130	43575	51.399	ug/l		90
45) 1,2-Dichloropropane	9.152	63	30307	52.749	ug/l		95
46) Dibromomethane	9.238	93	21455	53.969	ug/l		97
47) Bromodichloromethane	9.433	83	58285	51.714	ug/l		93
48) Methyl methacrylate	9.225	41	17575	54.863	ug/l		99
49) 1,4-Dioxane	9.238	88	4523	1194.426	ug/l		98
51) 4-Methyl-2-Pentanone	10.006	43	93936	283.711	ug/l		99
52) Toluene	10.176	92	100248	51.531	ug/l		98
53) t-1,3-Dichloropropene	10.402	75	54221	54.774	ug/l		100
54) cis-1,3-Dichloropropene	9.865	75	57850	53.316	ug/l		96
55) 1,1,2-Trichloroethane	10.579	97	26808	52.828	ug/l		99
56) Ethyl methacrylate	10.445	69	37346	56.020	ug/l		98
57) 1,3-Dichloropropane	10.725	76	44949	54.576	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.719	63	68375	294.122	ug/l		100
59) 2-Hexanone	10.768	43	64500	295.048	ug/l		98
60) Dibromochloromethane	10.920	129	42531	51.869	ug/l		96
61) 1,2-Dibromoethane	11.018	107	25662	53.744	ug/l		98
64) Tetrachloroethene	10.652	164	40834	51.414	ug/l		96
65) Chlorobenzene	11.451	112	116432	51.151	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.524	131	45293	51.360	ug/l		99
67) Ethyl Benzene	11.524	91	206644	51.942	ug/l		98
68) m/p-Xylenes	11.633	106	156992	103.449	ug/l		99
69) o-Xylene	11.963	106	75564	52.115	ug/l		99
70) Styrene	11.975	104	126718	52.061	ug/l		99
71) Bromoform	12.139	173	28066	55.357	ug/l	#	99
73) Isopropylbenzene	12.261	105	209755	50.166	ug/l		99
74) N-amyl acetate	12.078	43	33024	55.579	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	28705	53.553	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	42318	88.894	ug/l	#	100
77) Bromobenzene	12.536	156	49237	51.155	ug/l		98
78) n-propylbenzene	12.603	91	235128	50.173	ug/l		100
79) 2-Chlorotoluene	12.688	91	136280	51.012	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	177863	51.057	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	10590	54.534	ug/l		98
82) 4-Chlorotoluene	12.786	91	141476	51.241	ug/l		99
83) tert-Butylbenzene	13.005	119	164603	50.596	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	174321	51.423	ug/l		99
85) sec-Butylbenzene	13.182	105	221870	50.603	ug/l		99
86) p-Isopropyltoluene	13.298	119	198854	50.891	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	95245	50.631	ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	94865	50.694	ug/l		99
89) n-Butylbenzene	13.621	91	166380	51.010	ug/l		99
90) Hexachloroethane	13.889	117	37154	50.005	ug/l		99
91) 1,2-Dichlorobenzene	13.664	146	85113	52.769	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	5917	56.916	ug/l		95
93) 1,2,4-Trichlorobenzene	14.932	180	54457	53.117	ug/l		100
94) Hexachlorobutadiene	15.029	225	37636	50.369	ug/l		99
95) Naphthalene	15.151	128	92244	56.177	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	46678	54.682	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020709.D
Acq On : 26 Dec 2024 10:39
Operator : SY/MD
Sample : VSTDICC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Dec 26 16:06:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

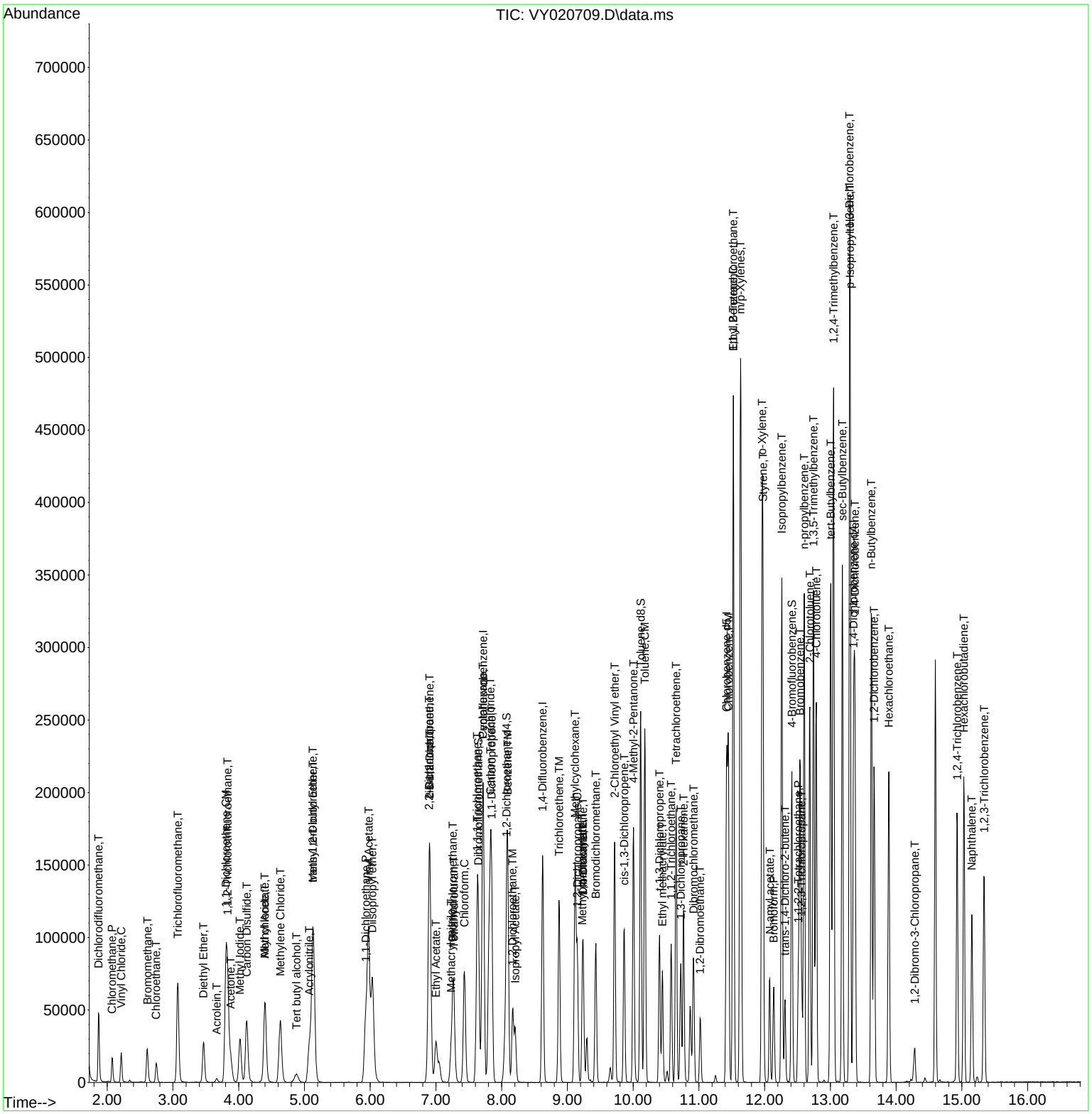
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

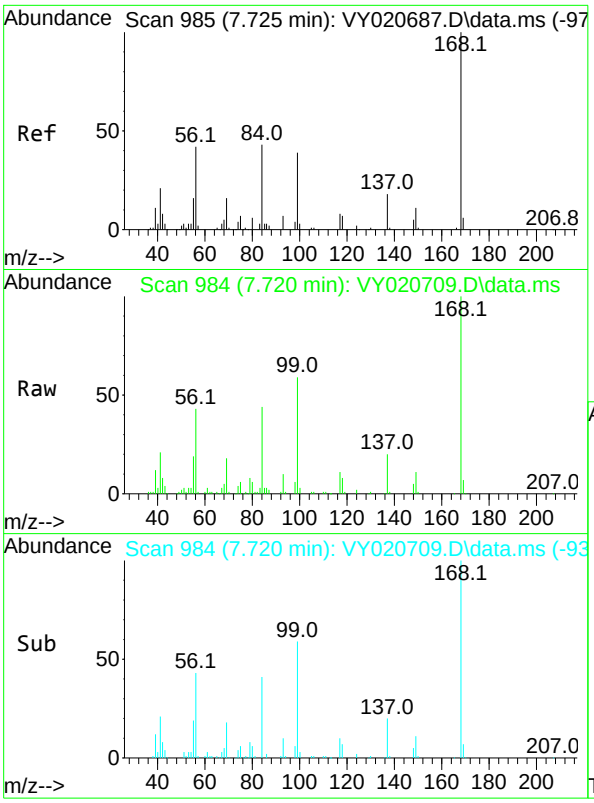
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020709.D
Acq On : 26 Dec 2024 10:39
Operator : SY/MD
Sample : VSTDICC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Dec 26 16:06:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration



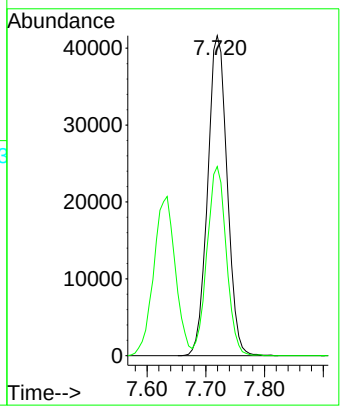


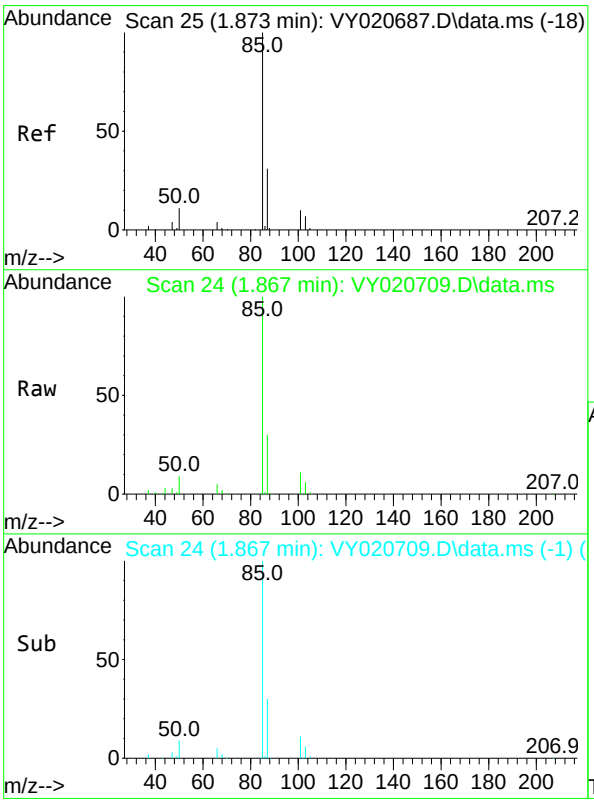
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 9
Delta R.T. -0.005 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 95919

Ion	Ratio	Lower	Upper
168	100		
99	59.1	43.8	65.6

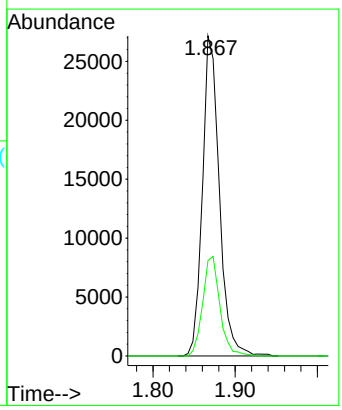


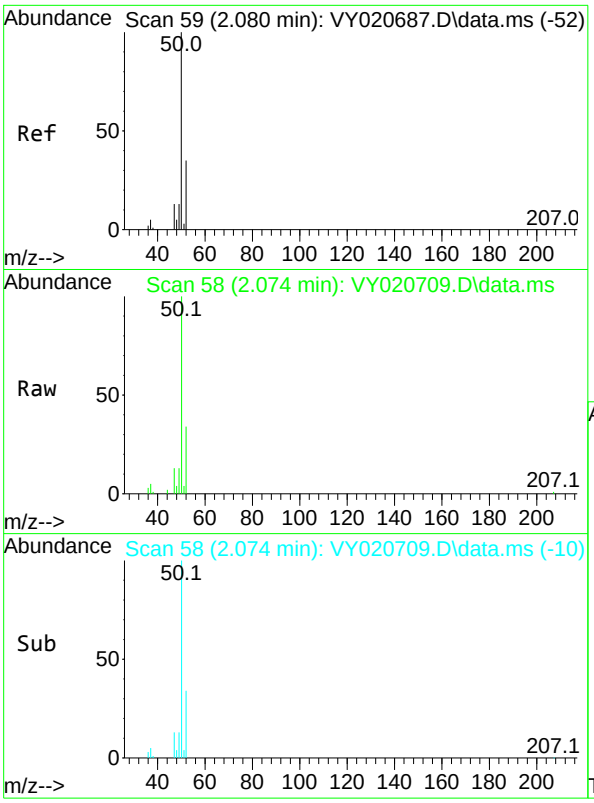


#2
Dichlorodifluoromethane
Concen: 51.393 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 85 Resp: 38801

Ion	Ratio	Lower	Upper
85	100		
87	29.8	15.4	46.4



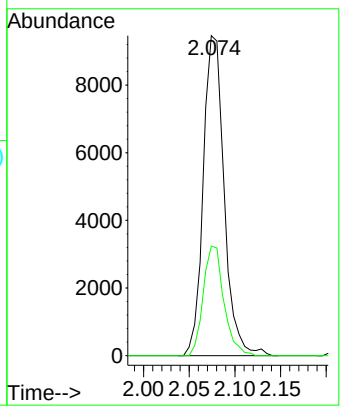


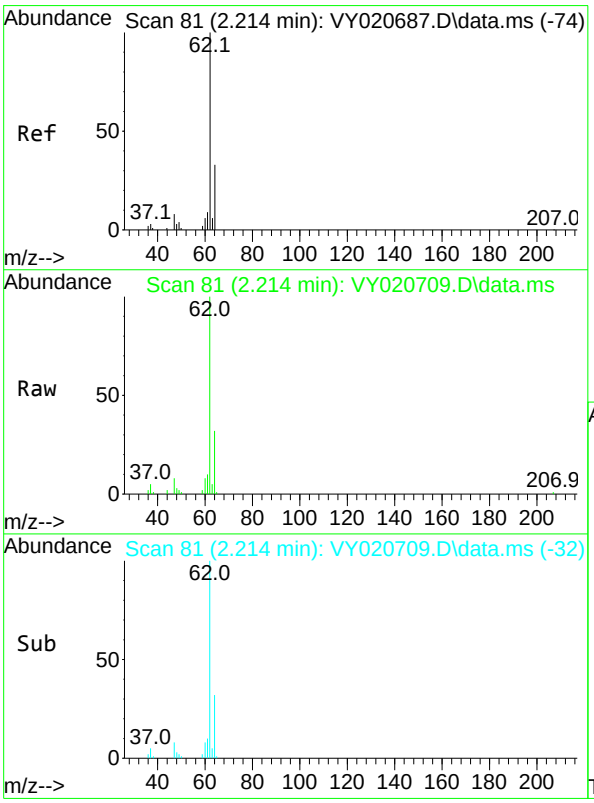
#3
Chloromethane
Concen: 53.407 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 15038

Ion	Ratio	Lower	Upper
50	100		
52	34.3	28.2	42.2

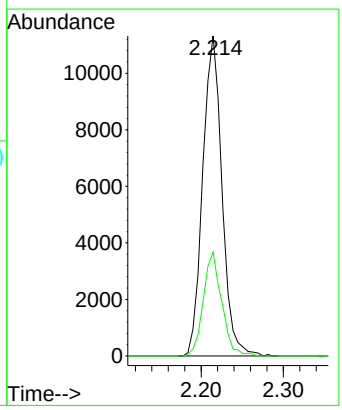


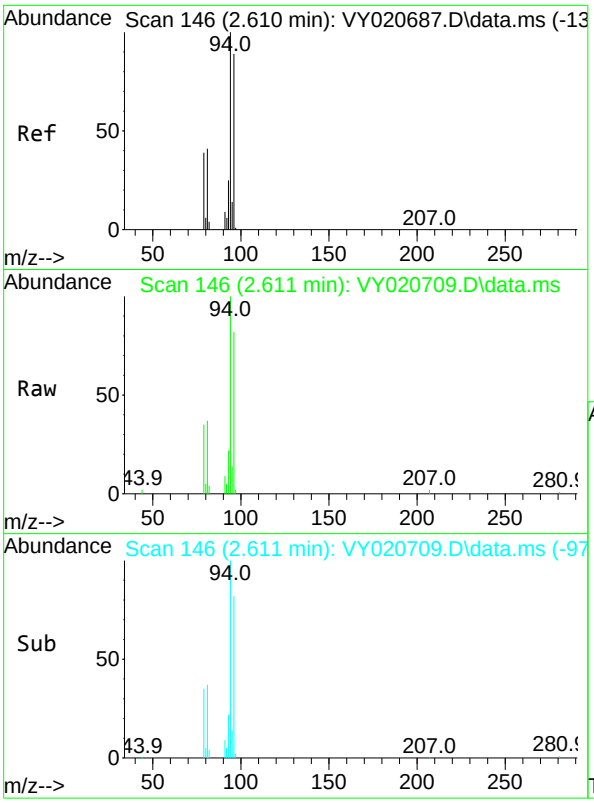


#4
Vinyl Chloride
Concen: 52.843 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 62 Resp: 18435

Ion	Ratio	Lower	Upper
62	100		
64	32.5	26.6	40.0



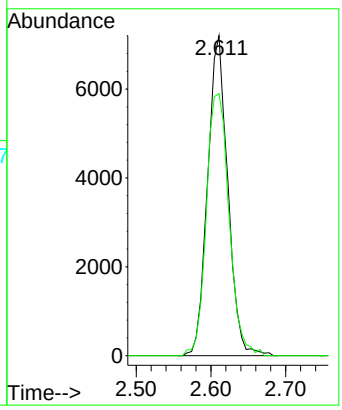


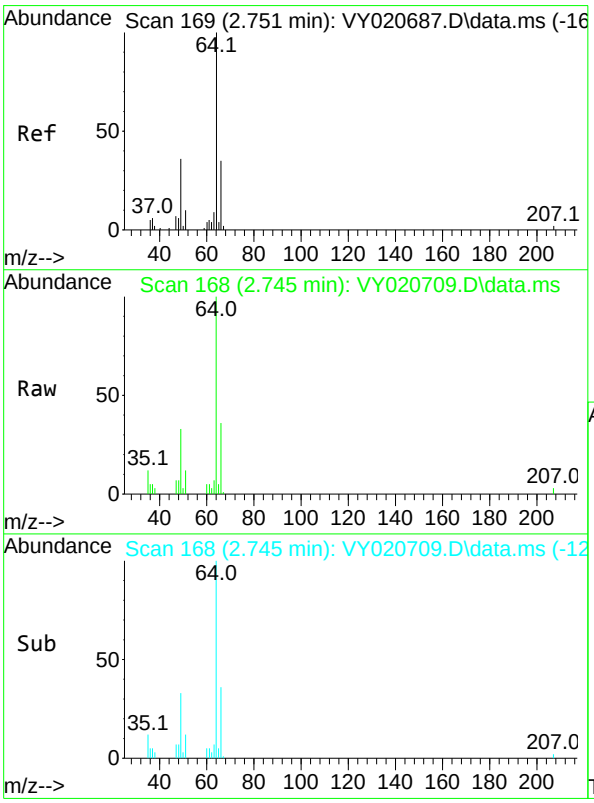
#5
Bromomethane
Concen: 51.355 ug/l
RT: 2.611 min Scan# 14
Delta R.T. 0.001 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 13527

Ion	Ratio	Lower	Upper
94	100		
96	81.9	71.0	106.6

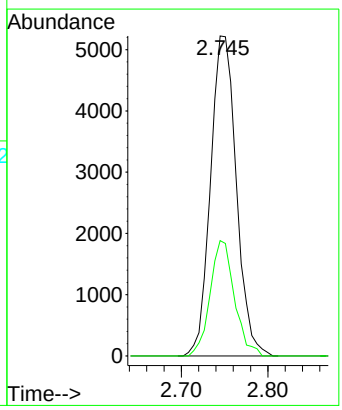


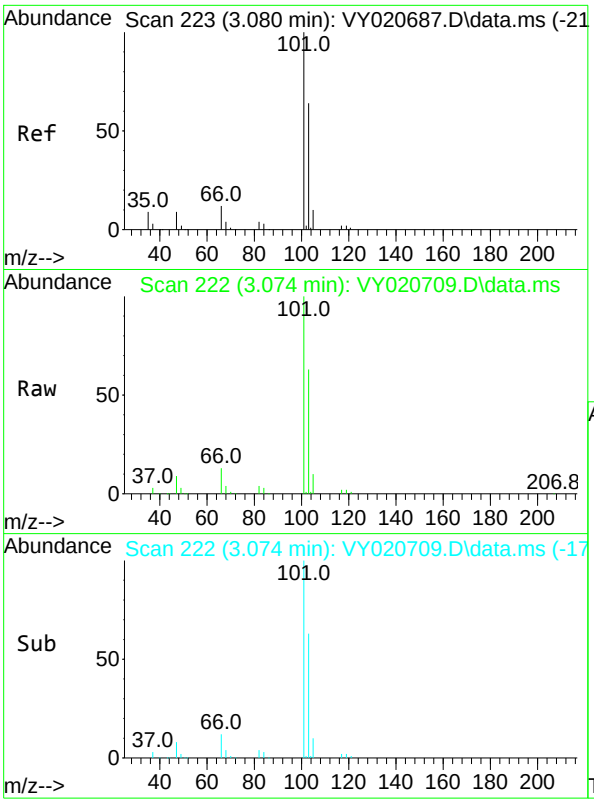


#6
Chloroethane
Concen: 51.686 ug/l
RT: 2.745 min Scan# 168
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 64 Resp: 10817

Ion	Ratio	Lower	Upper
64	100		
66	36.0	27.8	41.8



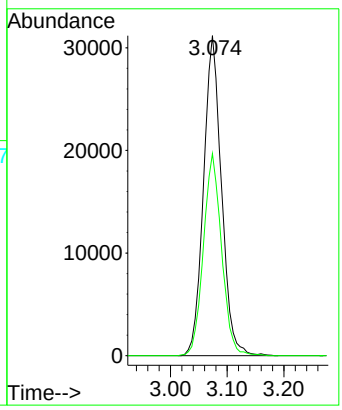


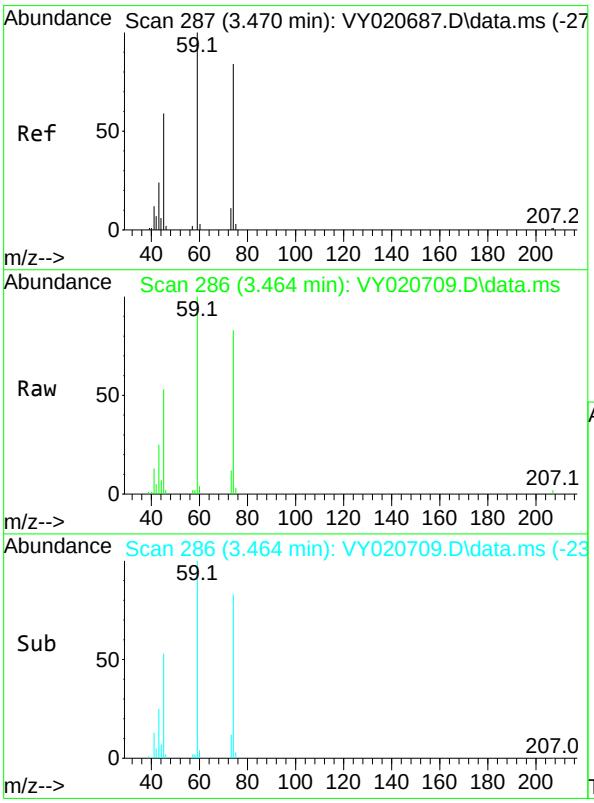
#7
Trichlorofluoromethane
Concen: 51.119 ug/l
RT: 3.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 68580

Ion	Ratio	Lower	Upper
101	100		
103	63.1	51.4	77.0

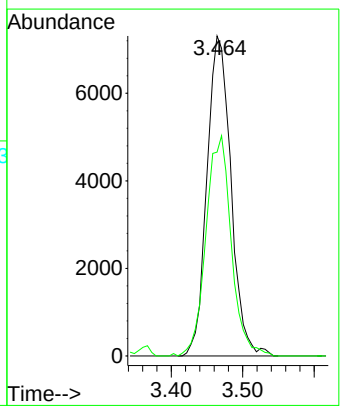


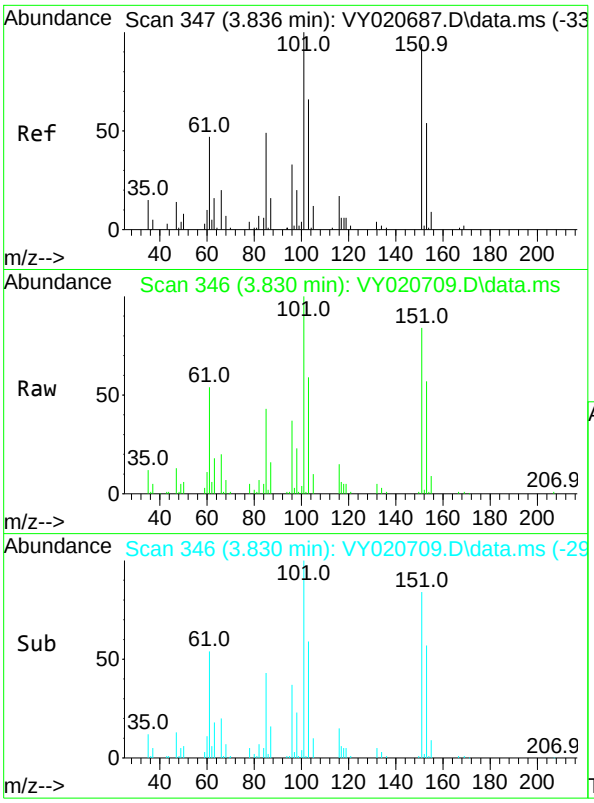


#8
Diethyl Ether
Concen: 53.449 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 74 Resp: 17063

Ion	Ratio	Lower	Upper
74	100		
45	72.5	35.8	107.4



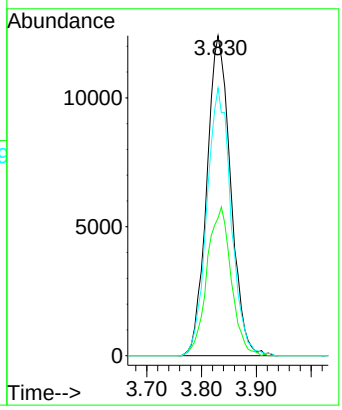


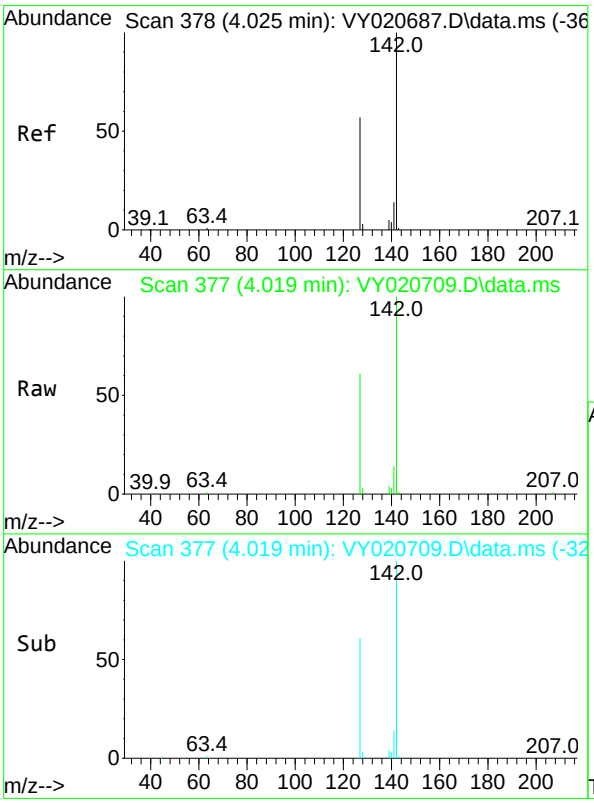
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.872 ug/l
RT: 3.830 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 37468

Ion	Ratio	Lower	Upper
101	100		
85	47.0	38.2	57.2
151	85.1	68.4	102.6

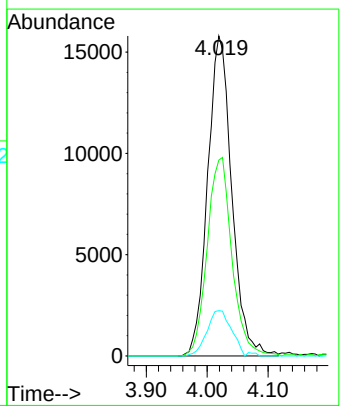


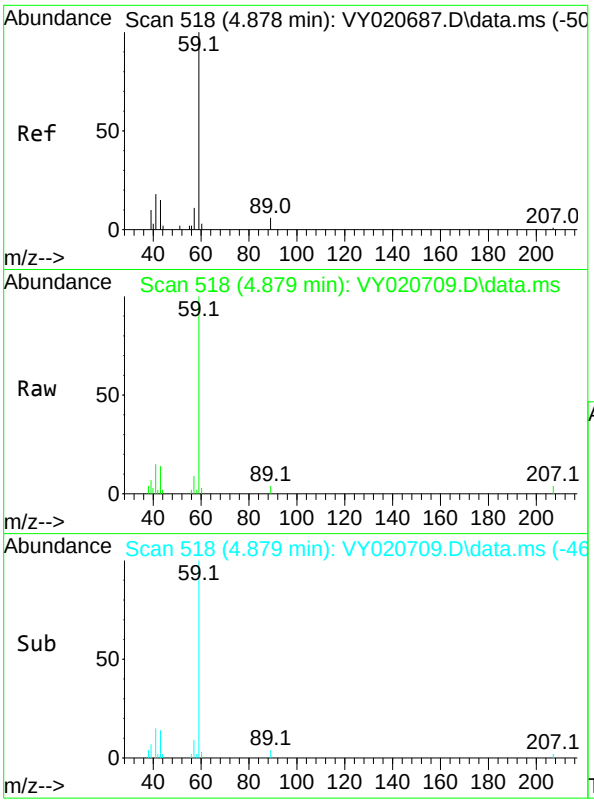


#10
Methyl Iodide
Concen: 53.984 ug/l
RT: 4.019 min Scan# 377
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:142 Resp: 43478

Ion	Ratio	Lower	Upper
142	100		
127	63.6	48.8	73.2
141	14.6	11.9	17.9



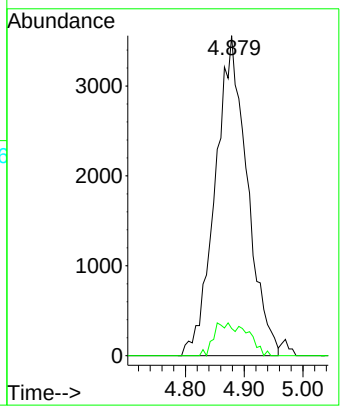


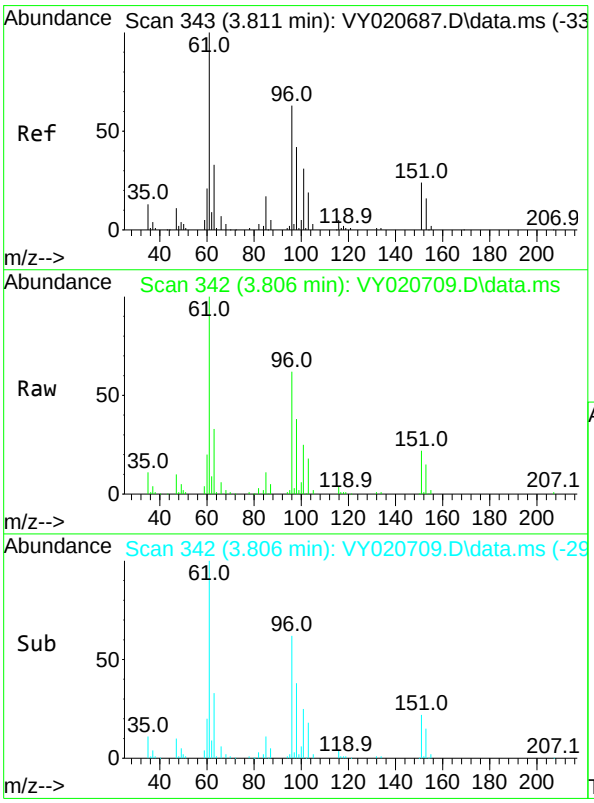
#11
Tert butyl alcohol
Concen: 276.533 ug/l
RT: 4.879 min Scan# 5
Delta R.T. 0.001 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 13467

Ion	Ratio	Lower	Upper
59	100		
57	6.4	2.8	4.2#

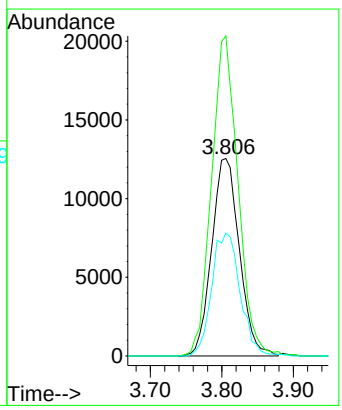


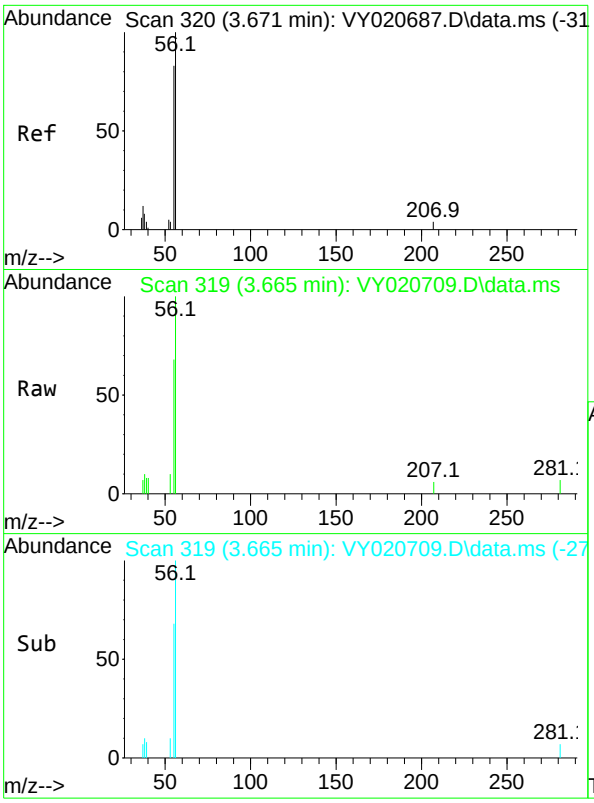


#12
1,1-Dichloroethene
Concen: 51.495 ug/l
RT: 3.806 min Scan# 342
Delta R.T. -0.005 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 96 Resp: 33758

Ion	Ratio	Lower	Upper
96	100		
61	162.0	127.1	190.7
98	62.2	53.4	80.0



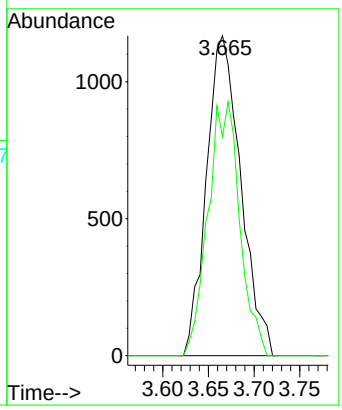


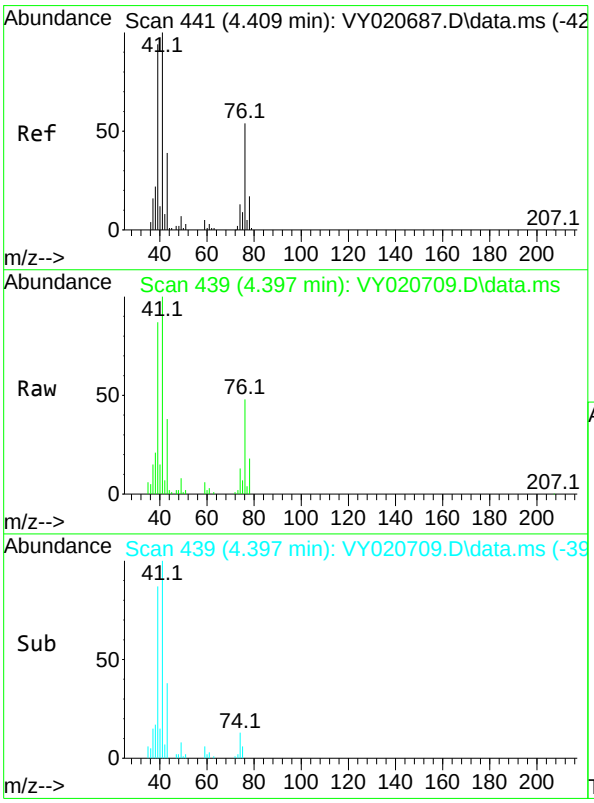
#13
Acrolein
Concen: 185.584 ug/l
RT: 3.665 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 3048

Ion	Ratio	Lower	Upper
56	100		
55	73.2	57.0	85.4

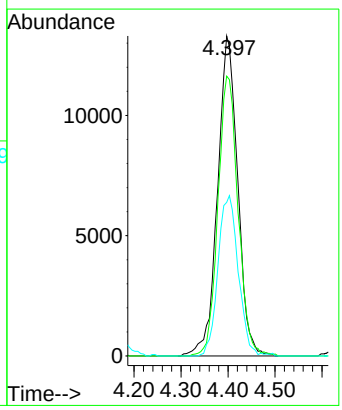


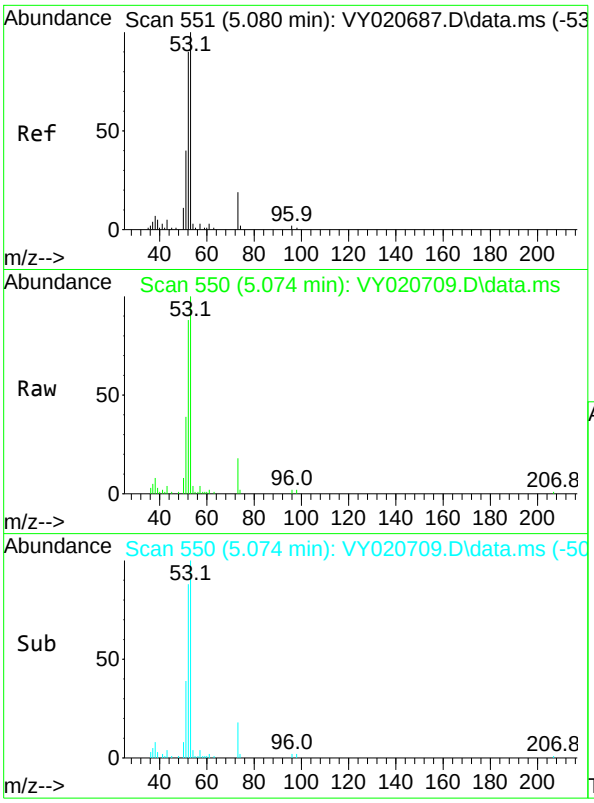


#14
Allyl chloride
Concen: 51.717 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.012 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 41 Resp: 39674

Ion	Ratio	Lower	Upper
41	100		
39	87.2	73.5	110.3
76	50.6	41.8	62.8



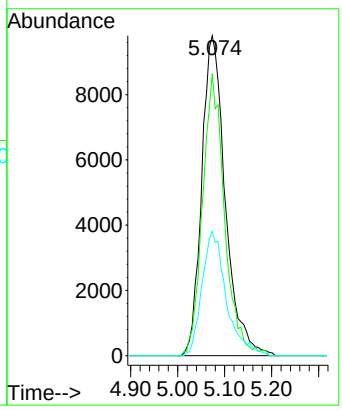


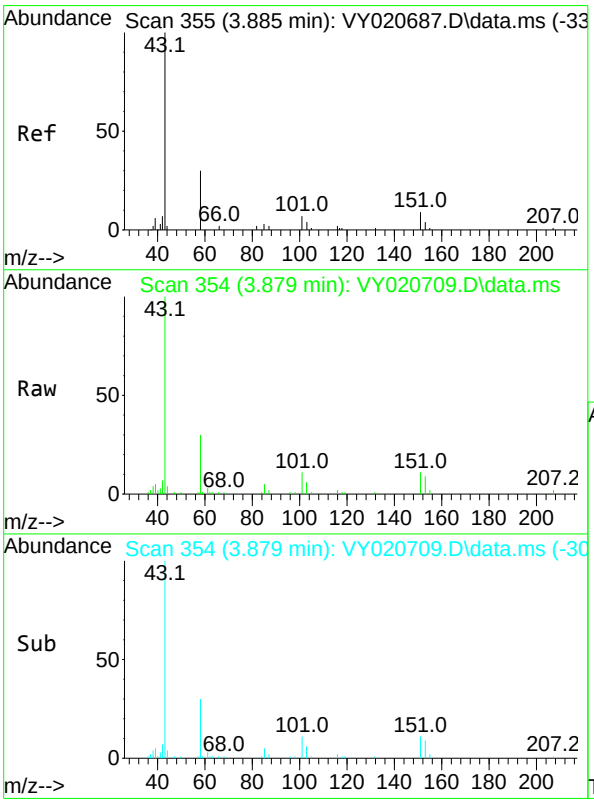
#15
Acrylonitrile
Concen: 276.260 ug/l
RT: 5.074 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 34070

Ion	Ratio	Lower	Upper
53	100		
52	82.1	67.1	100.7
51	40.1	31.4	47.0

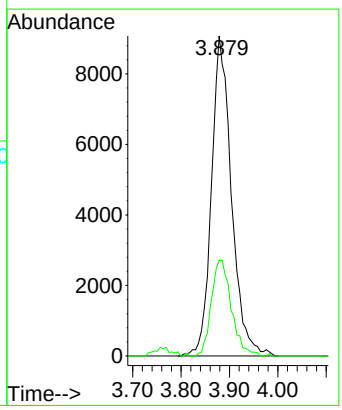


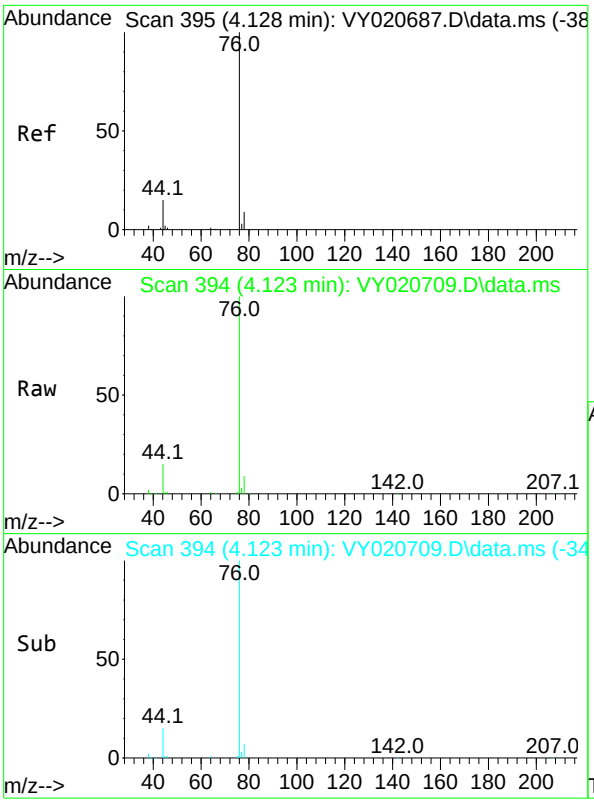


#16
Acetone
Concen: 261.525 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 43 Resp: 26066

Ion	Ratio	Lower	Upper
43	100		
58	29.9	25.0	37.6



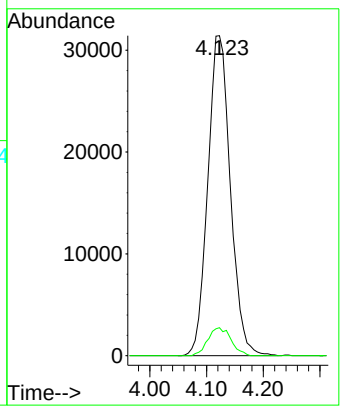


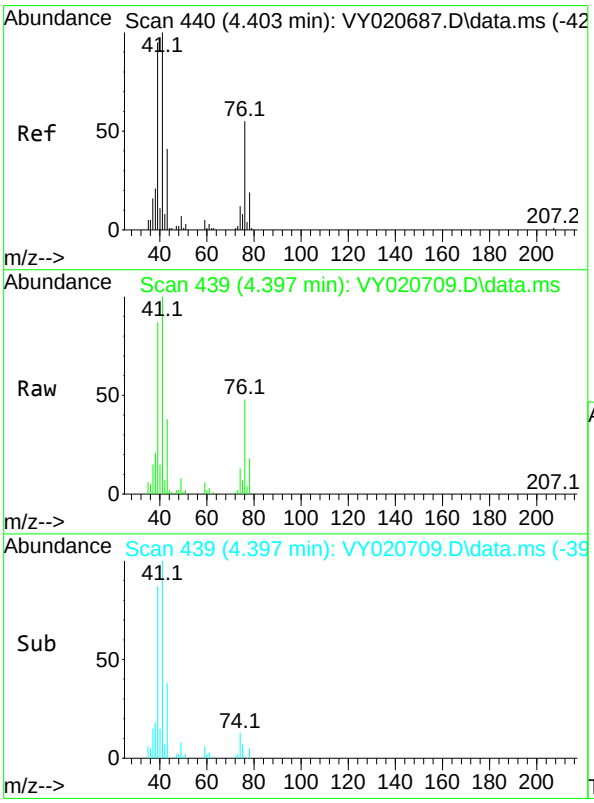
#17
Carbon Disulfide
Concen: 54.046 ug/l
RT: 4.123 min Scan# 3
Delta R.T. -0.005 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 86912

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.9	10.3

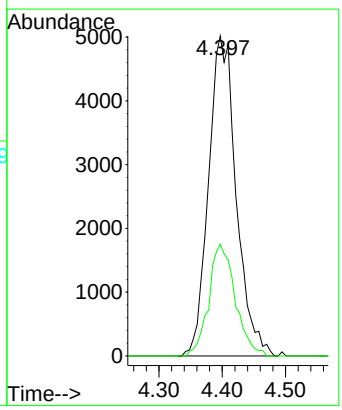


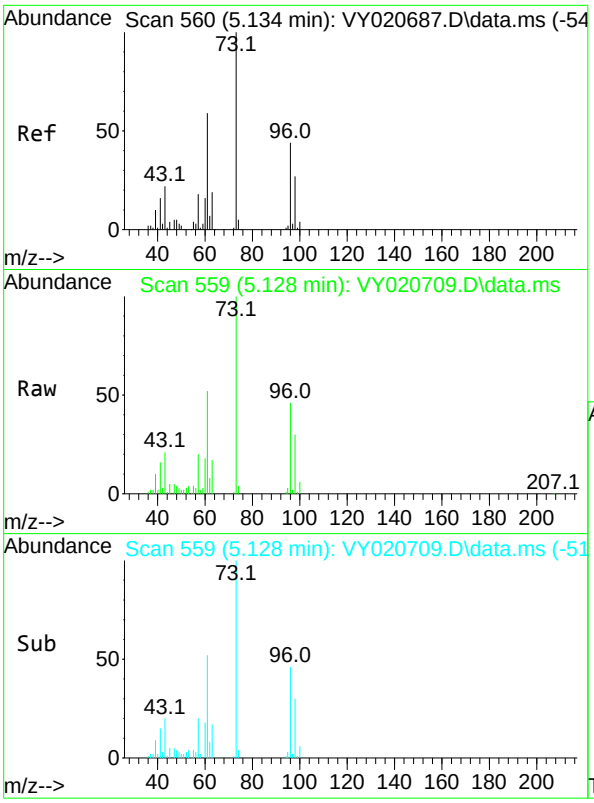


#18
Methyl Acetate
Concen: 56.466 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 43 Resp: 15232

Ion	Ratio	Lower	Upper
43	100		
74	33.3	25.3	37.9



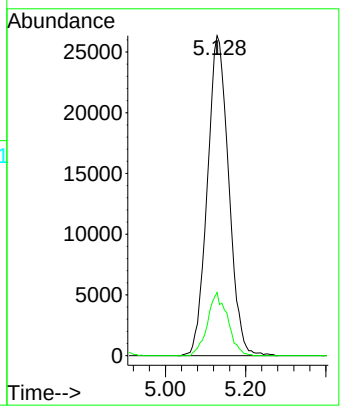


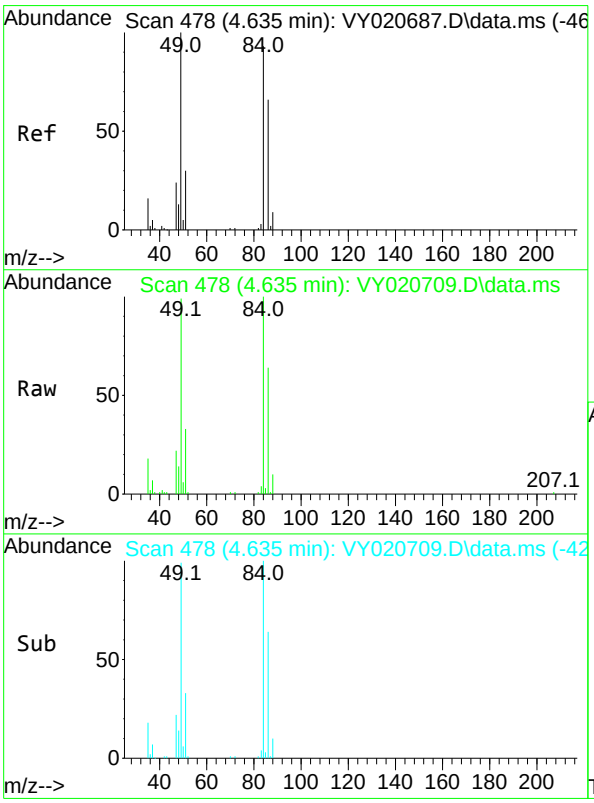
#19
Methyl tert-butyl Ether
Concen: 53.300 ug/l
RT: 5.128 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 97389

Ion	Ratio	Lower	Upper
73	100		
57	19.7	14.4	21.6

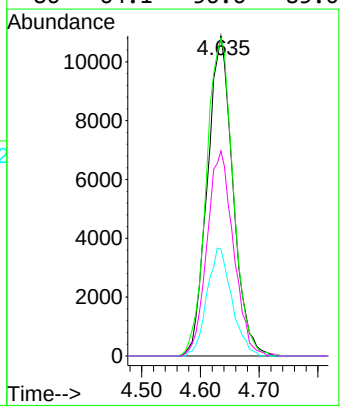


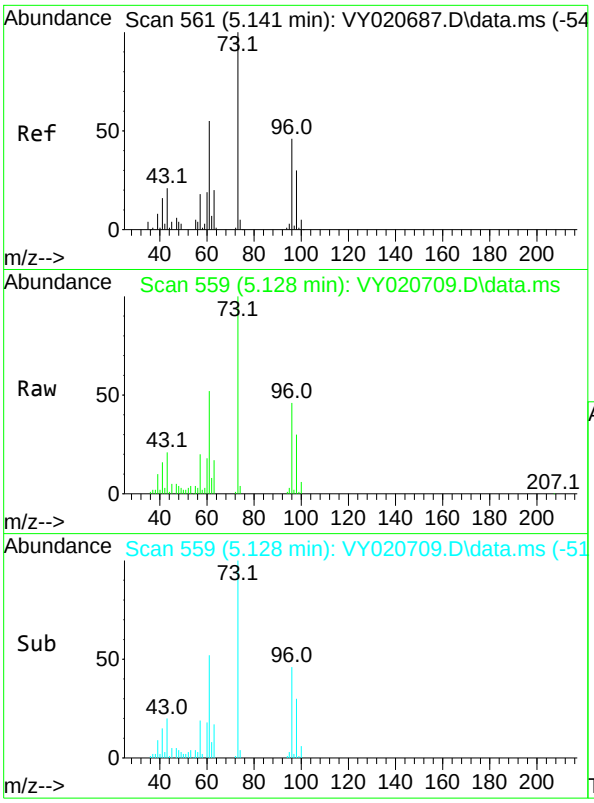


#20
Methylene Chloride
Concen: 50.741 ug/l
RT: 4.635 min Scan# 478
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 84 Resp: 32892

Ion	Ratio	Lower	Upper
84	100		
49	99.3	86.4	129.6
51	33.4	25.5	38.3
86	64.1	56.6	85.0



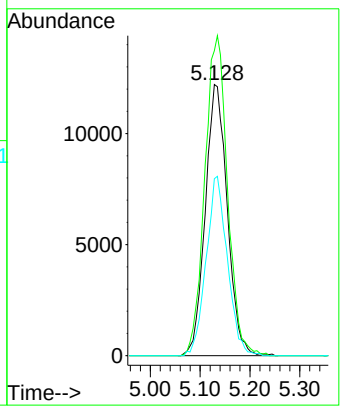


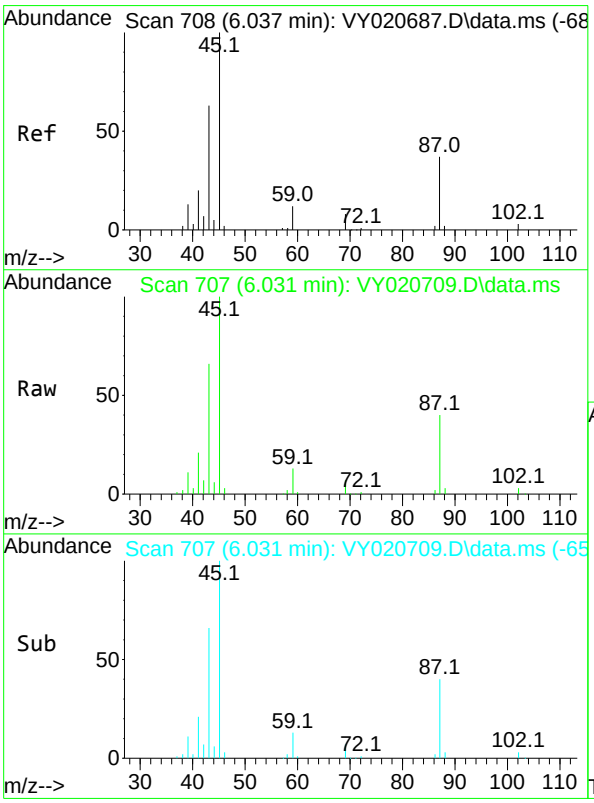
#21
trans-1,2-Dichloroethene
Concen: 53.081 ug/l
RT: 5.128 min Scan# 5
Delta R.T. -0.013 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 37498

Ion	Ratio	Lower	Upper
96	100		
61	112.5	96.1	144.1
98	65.3	52.7	79.1

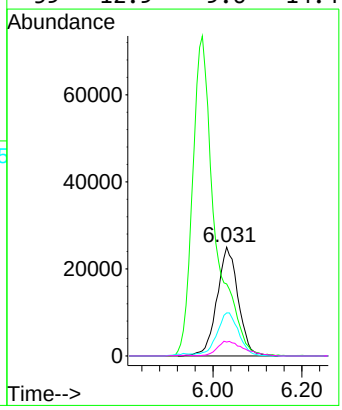


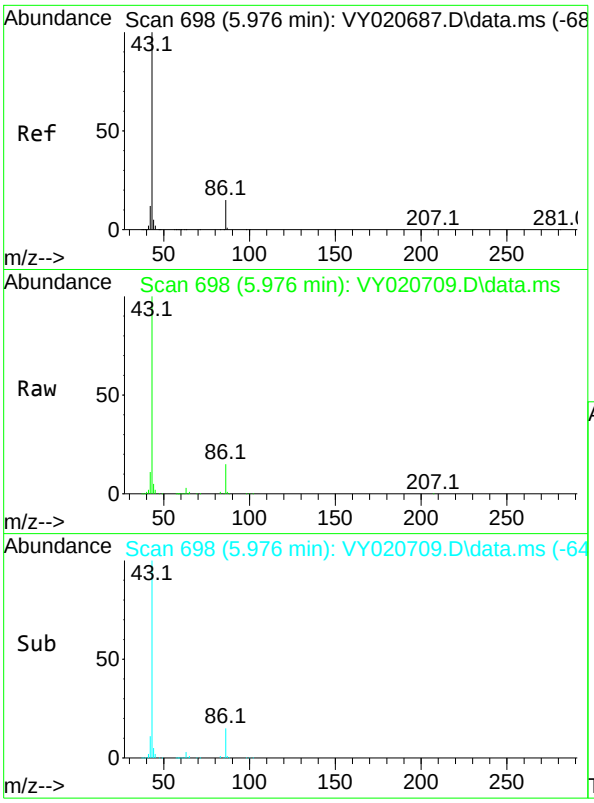


#22
Diisopropyl ether
Concen: 52.731 ug/l
RT: 6.031 min Scan# 707
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 45 Resp: 82233

Ion	Ratio	Lower	Upper
45	100		
43	65.4	51.3	76.9
87	39.6	30.6	46.0
59	12.9	9.6	14.4



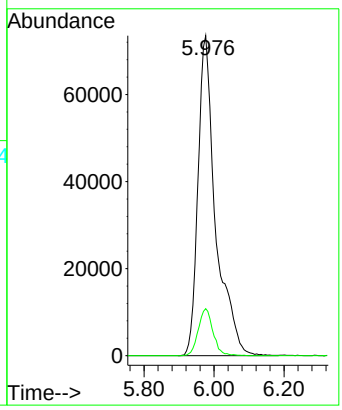


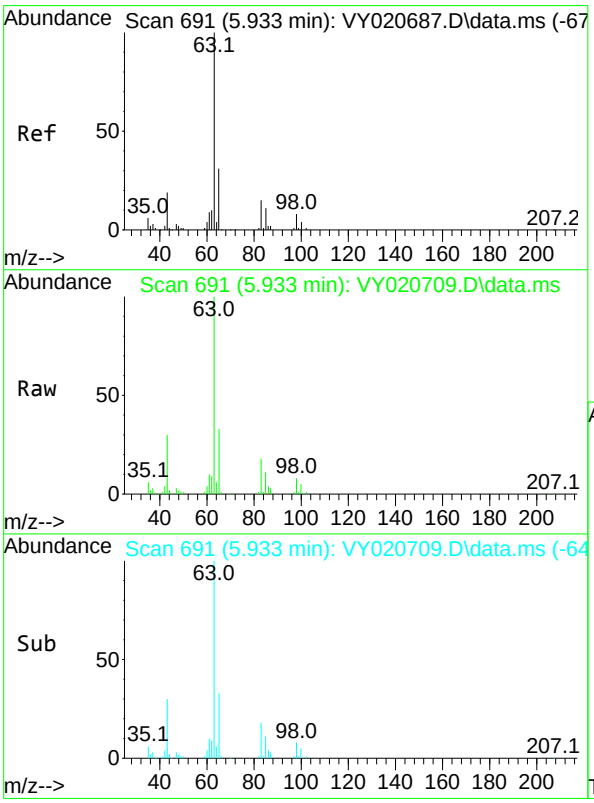
#23
Vinyl Acetate
Concen: 276.499 ug/l
RT: 5.976 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 257552

Ion	Ratio	Lower	Upper
43	100		
86	14.7	12.0	18.0

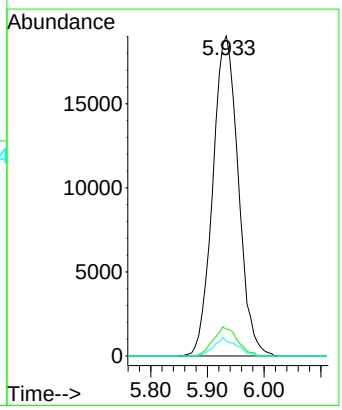


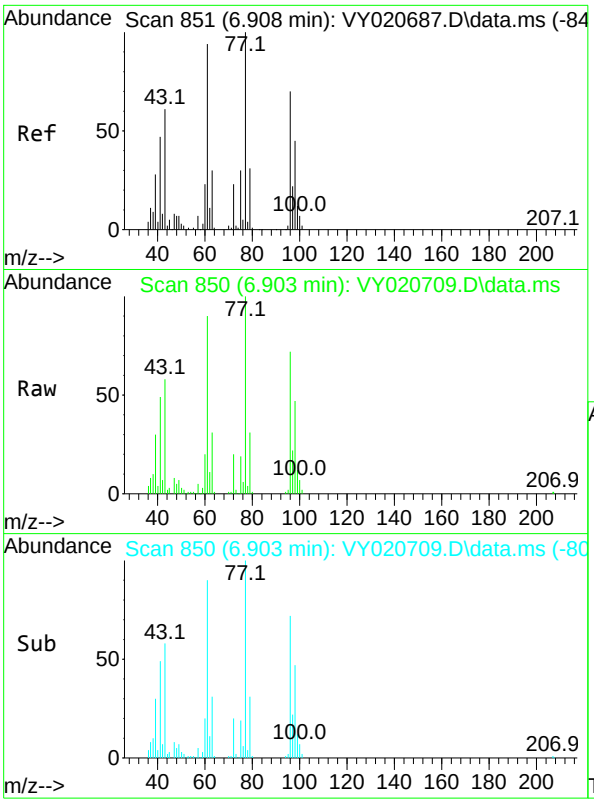


#24
1,1-Dichloroethane
Concen: 50.822 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 63 Resp: 59422

Ion	Ratio	Lower	Upper
63	100		
98	8.4	4.0	12.0
100	4.6	2.1	6.2



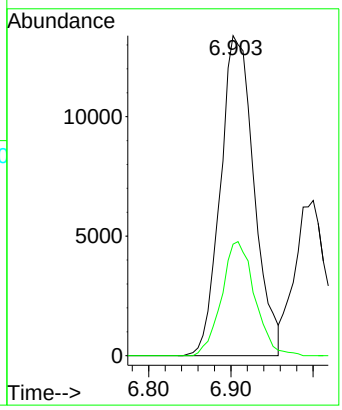


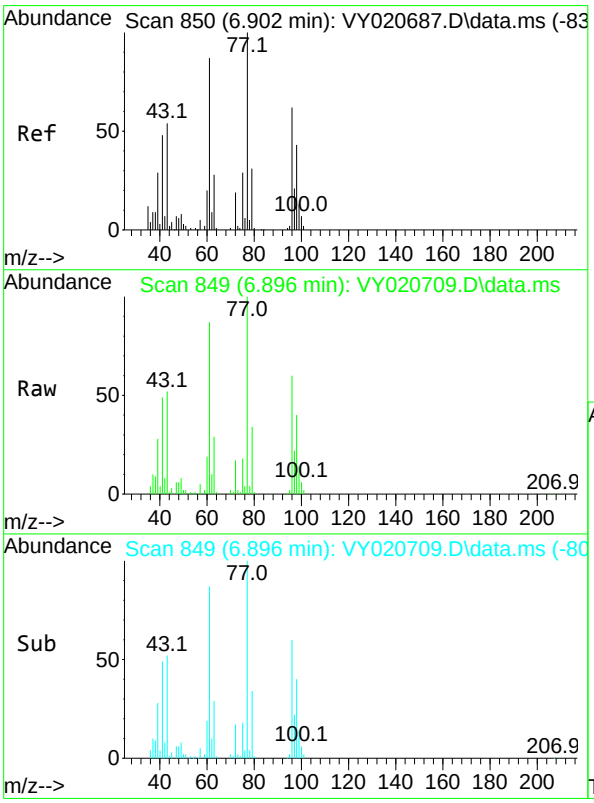
#25
2-Butanone
Concen: 283.310 ug/l
RT: 6.903 min Scan# 8
Delta R.T. -0.005 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 38144

Ion	Ratio	Lower	Upper
43	100		
72	34.9	29.5	44.3

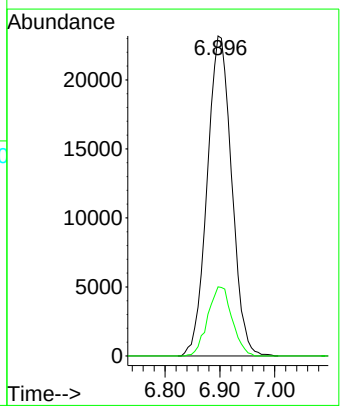


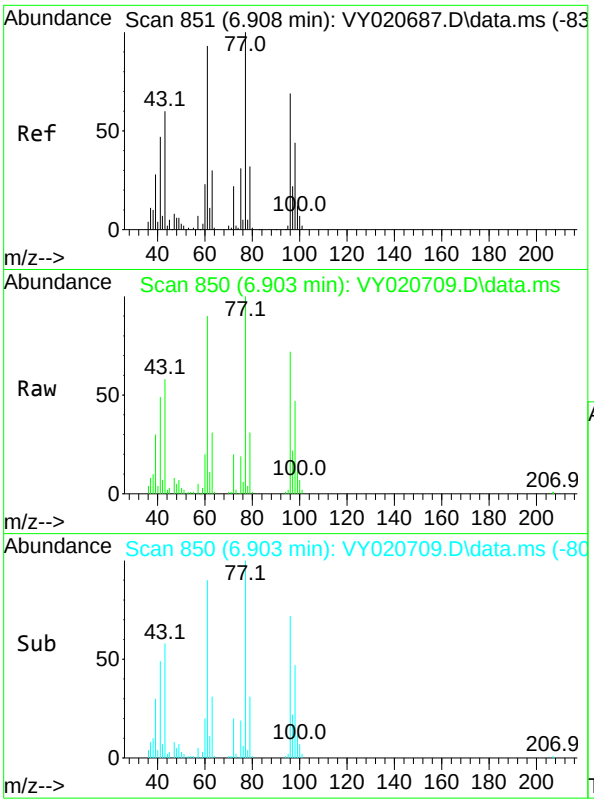


#26
2,2-Dichloropropane
Concen: 50.280 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 77 Resp: 71954

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.8	32.4



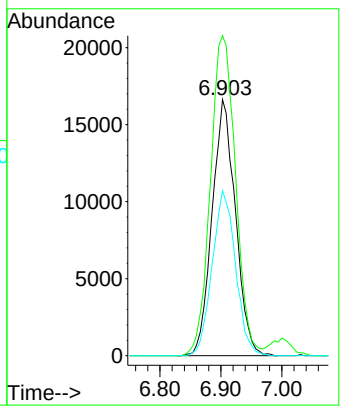


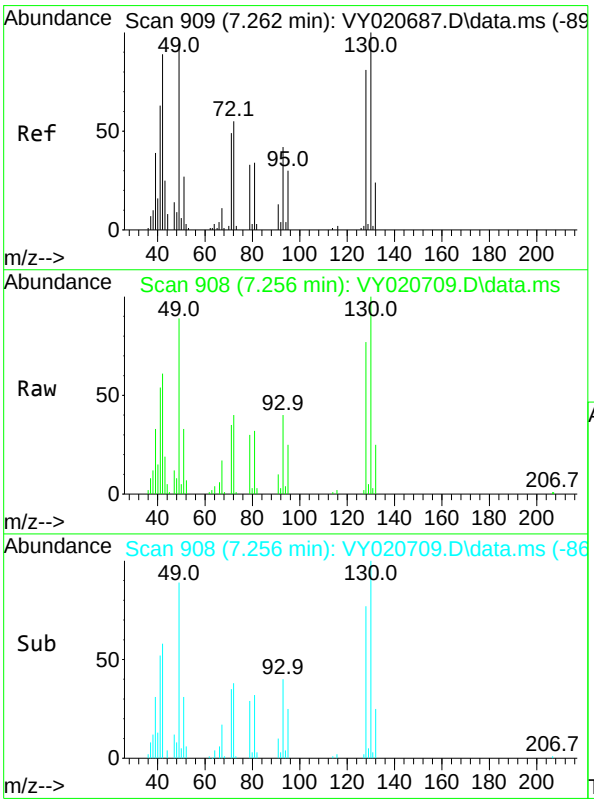
#27
cis-1,2-Dichloroethene
Concen: 52.410 ug/l
RT: 6.903 min Scan# 8
Delta R.T. -0.005 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 44338

Ion	Ratio	Lower	Upper
96	100		
61	134.5	0.0	277.2
98	64.5	0.0	131.0

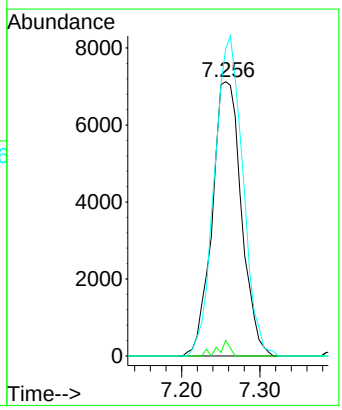


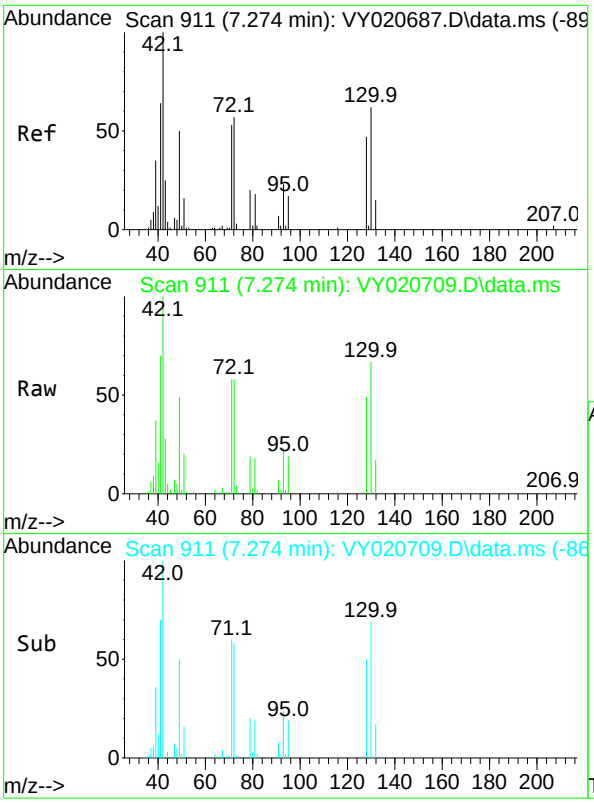


#28
Bromochloromethane
Concen: 59.719 ug/l
RT: 7.256 min Scan# 908
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 49 Resp: 18465

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	5.4
130	113.6	87.2	130.8



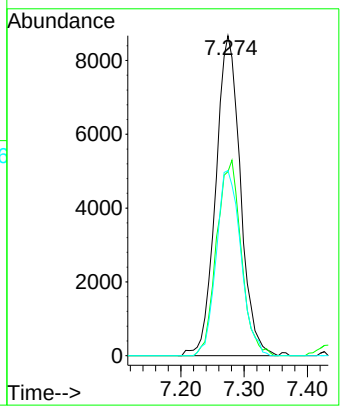


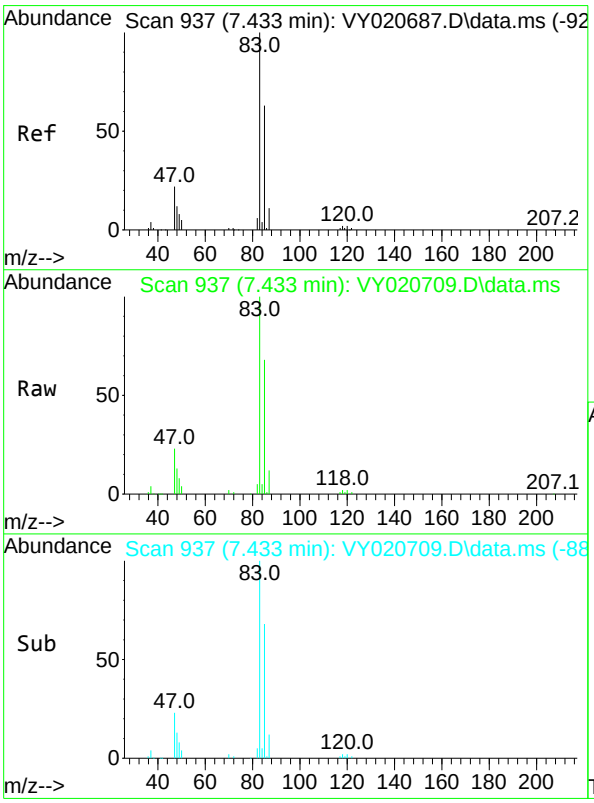
#29
Tetrahydrofuran
Concen: 283.255 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 23409

Ion	Ratio	Lower	Upper
42	100		
72	61.0	47.4	71.0
71	57.8	42.8	64.2

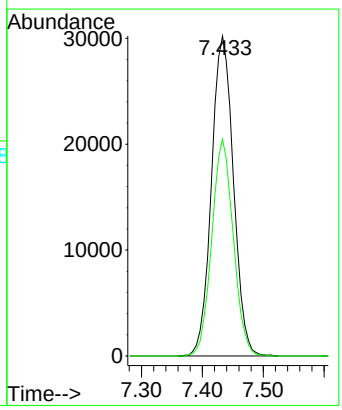


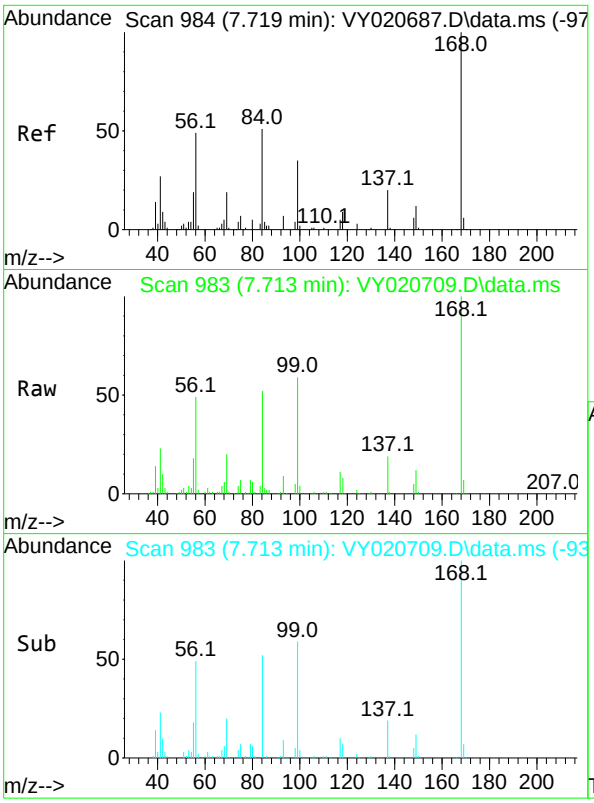


#30
Chloroform
Concen: 50.224 ug/l
RT: 7.433 min Scan# 937
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 83 Resp: 75540

Ion	Ratio	Lower	Upper
83	100		
85	67.8	50.2	75.2



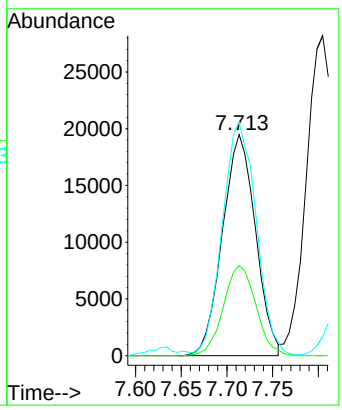


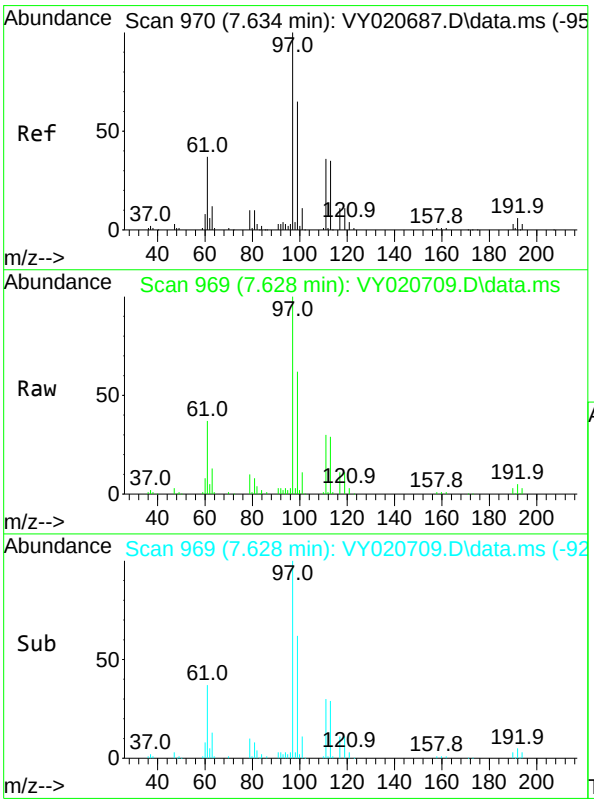
#31
Cyclohexane
Concen: 48.512 ug/l
RT: 7.713 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 48960

Ion	Ratio	Lower	Upper
56	100		
69	40.7	31.3	46.9
84	104.0	83.9	125.9

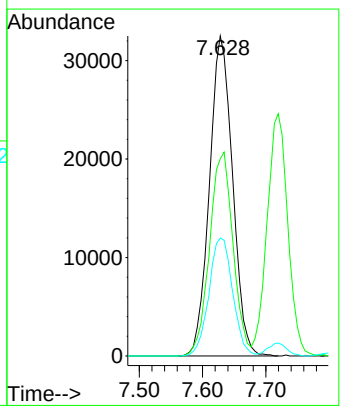


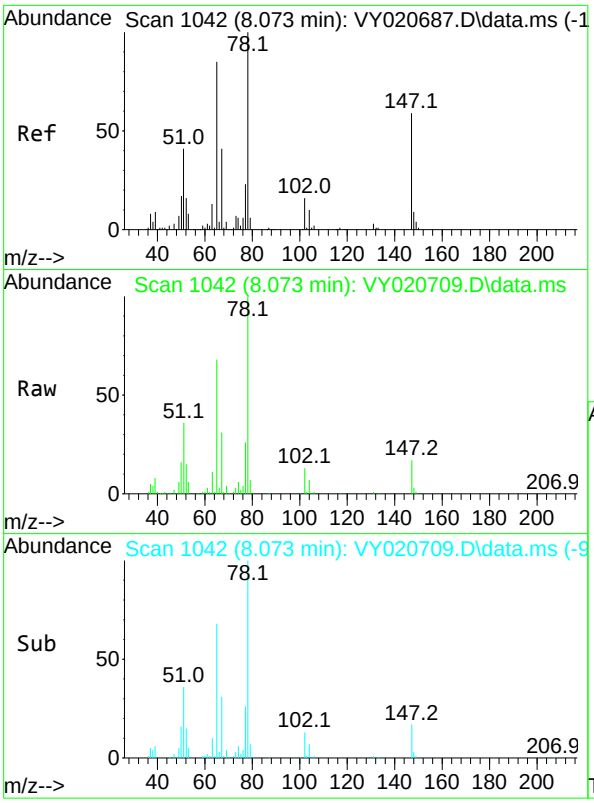


#32
1,1,1-Trichloroethane
Concen: 51.087 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 97 Resp: 82365

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.0	76.6
61	37.8	30.0	45.0



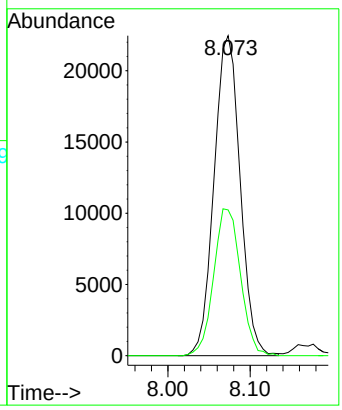


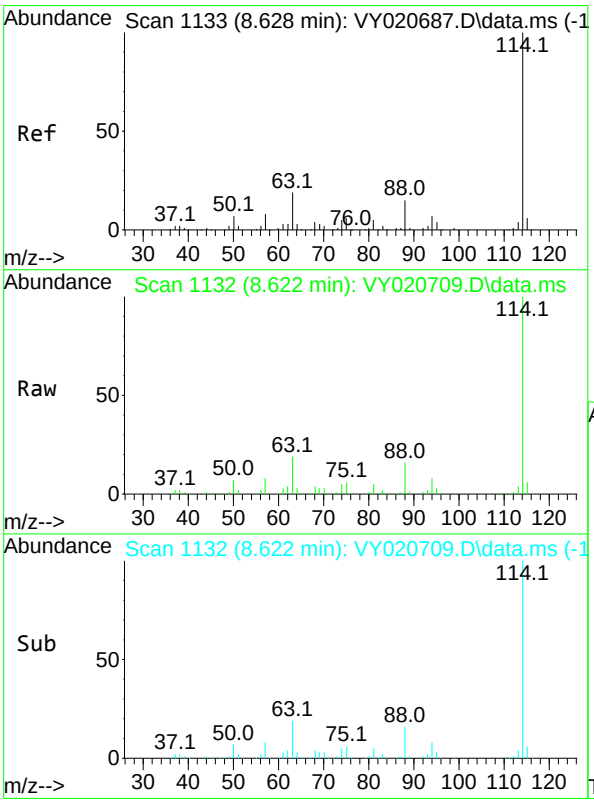
#33
1,2-Dichloroethane-d4
Concen: 63.047 ug/l
RT: 8.073 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 49534

Ion	Ratio	Lower	Upper
65	100		
67	47.2	0.0	98.0

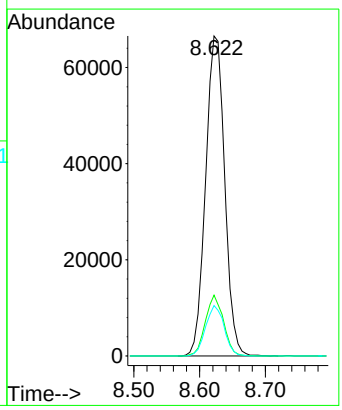


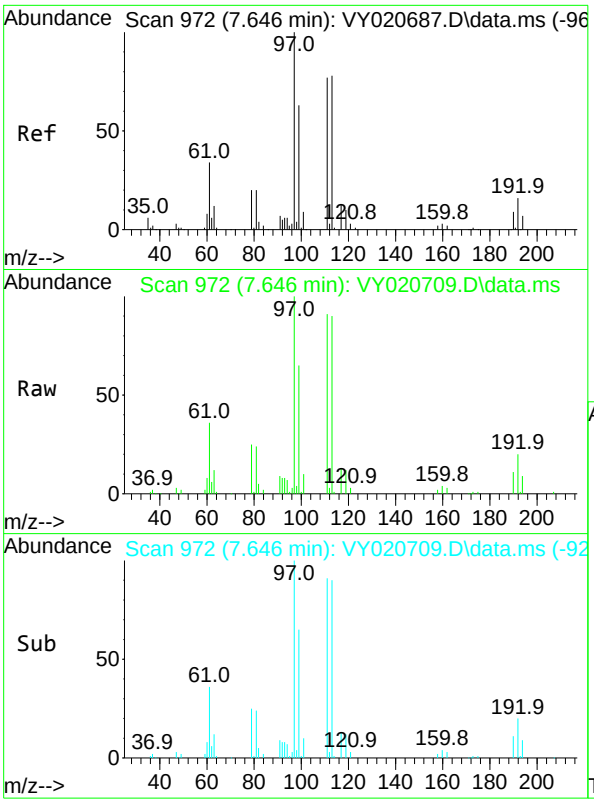


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:114 Resp: 134605

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	38.4
88	15.7	0.0	30.4



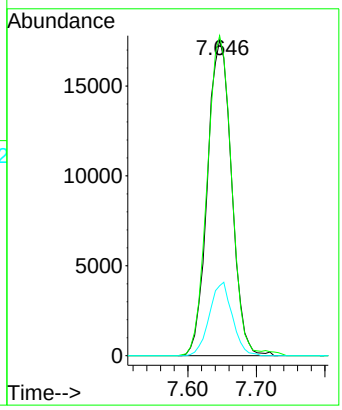


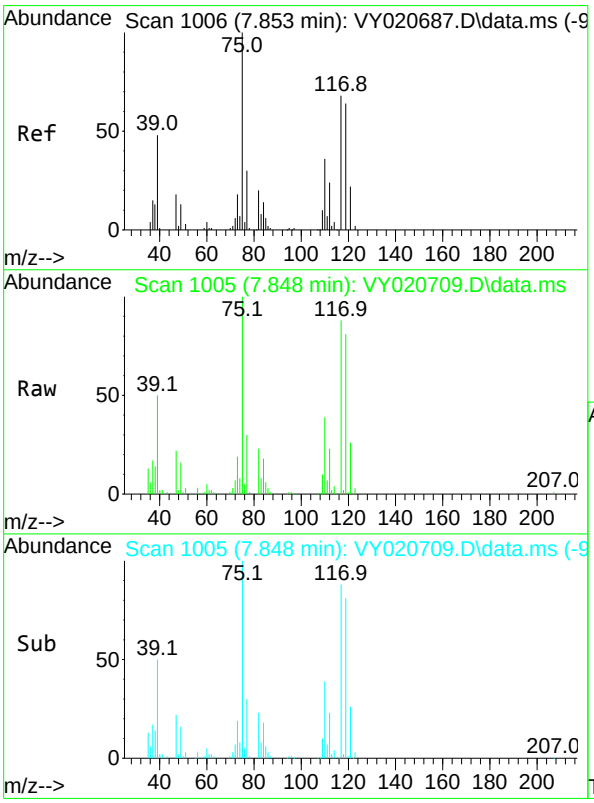
#35
Dibromofluoromethane
Concen: 57.936 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 42955

Ion	Ratio	Lower	Upper
113	100		
111	102.5	79.8	119.8
192	22.0	17.0	25.6

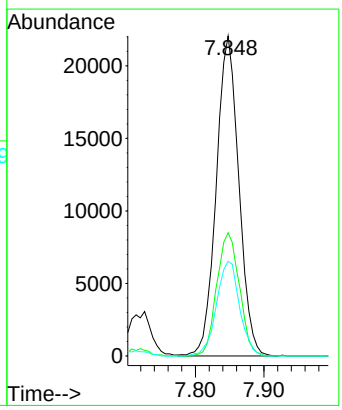


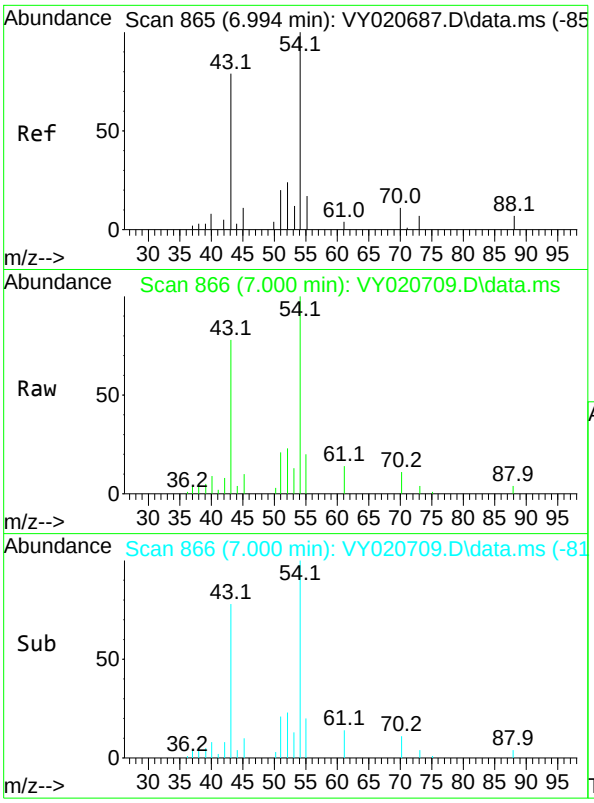


#36
1,1-Dichloropropene
Concen: 51.408 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. -0.005 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 75 Resp: 50348

Ion	Ratio	Lower	Upper
75	100		
110	38.6	19.6	58.7
77	30.3	25.1	37.7



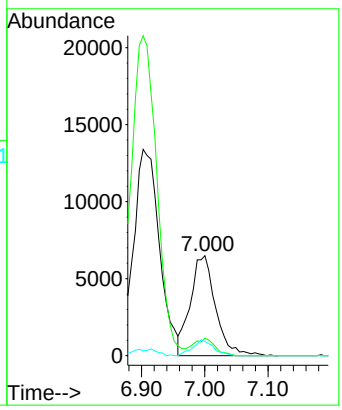


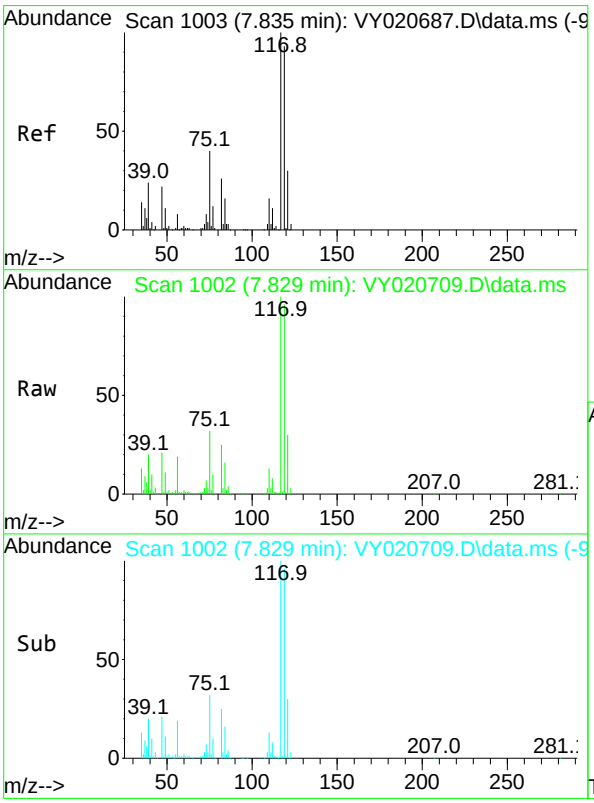
#37
Ethyl Acetate
Concen: 55.607 ug/l
RT: 7.000 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 17946

Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.7	17.5
70	13.0	11.0	16.4

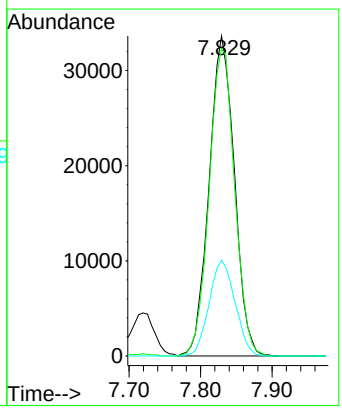


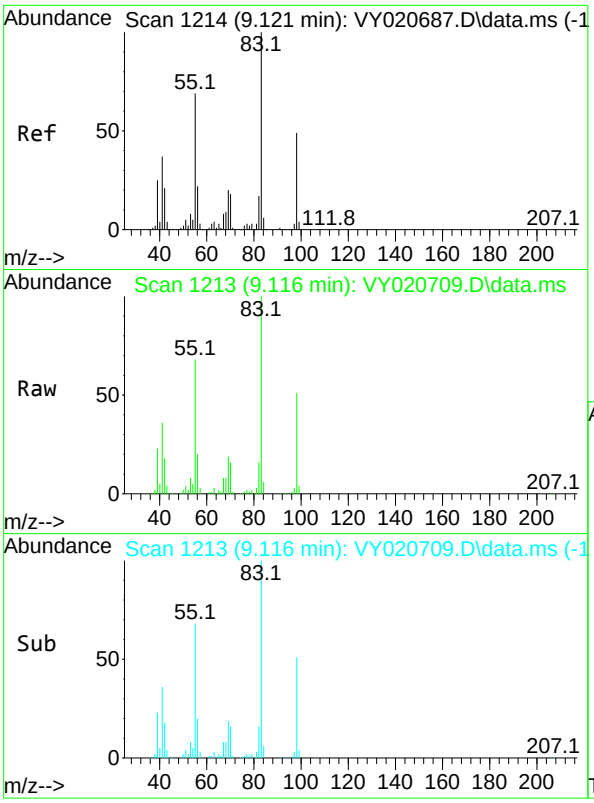


#38
Carbon Tetrachloride
Concen: 51.220 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:117 Resp: 82604

Ion	Ratio	Lower	Upper
117	100		
119	96.0	74.4	111.6
121	29.9	24.2	36.2



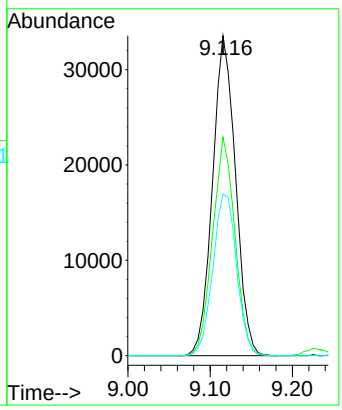


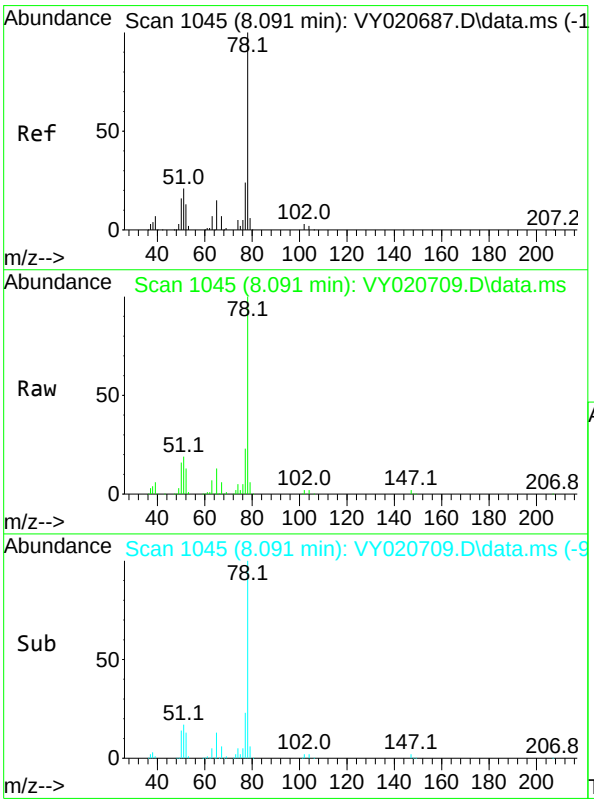
#39
Methylcyclohexane
Concen: 51.957 ug/l
RT: 9.116 min Scan# 1
Delta R.T. -0.005 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 65222

Ion	Ratio	Lower	Upper
83	100		
55	68.2	55.0	82.4
98	50.5	39.0	58.6

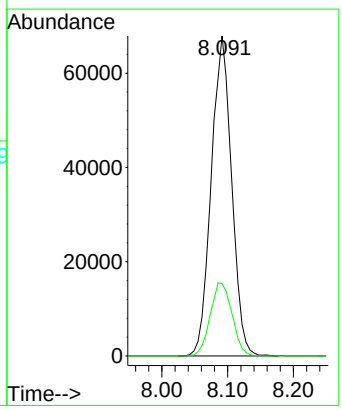


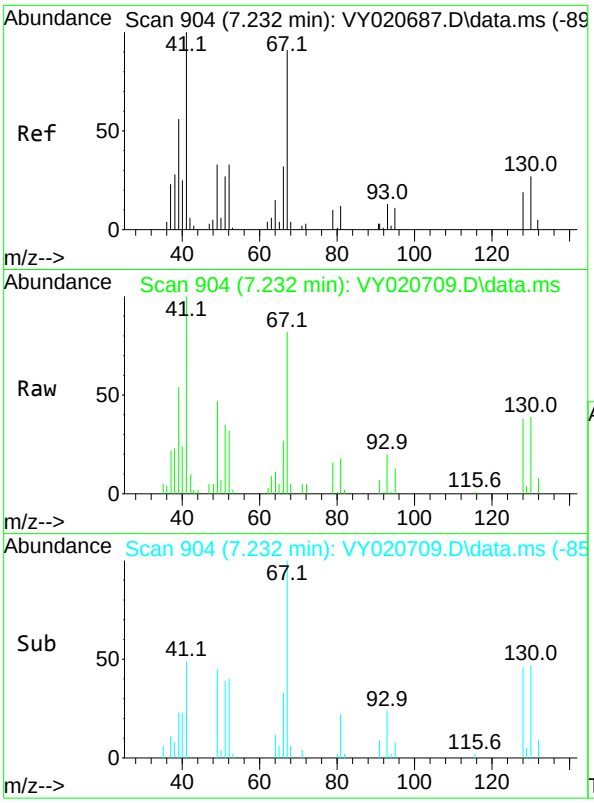


#40
Benzene
Concen: 51.623 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 78 Resp: 146525

Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.2	28.8



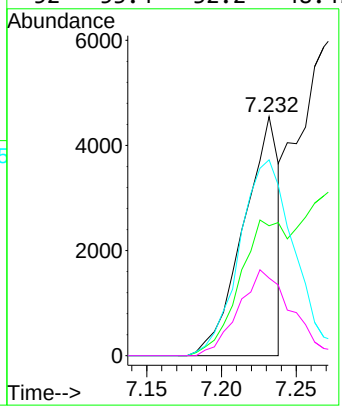


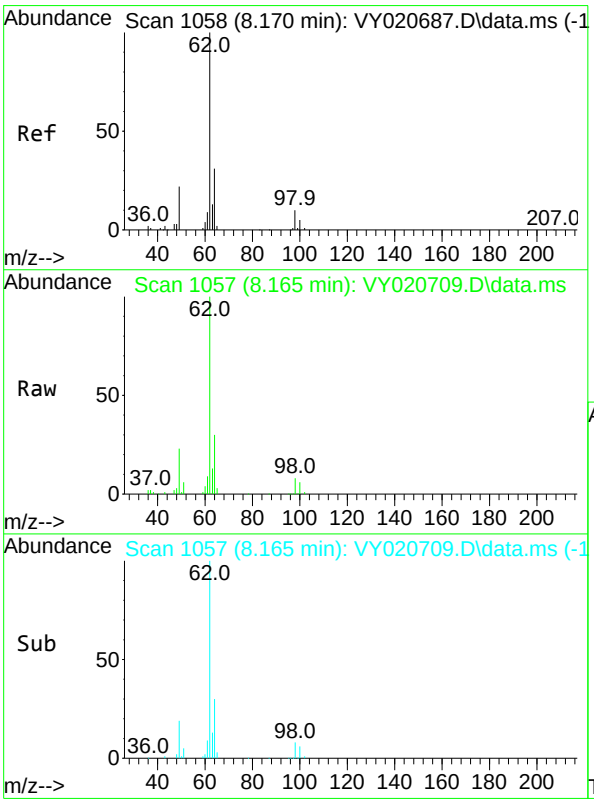
#41
Methacrylonitrile
Concen: 46.116 ug/l
RT: 7.232 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 7518

Ion	Ratio	Lower	Upper
41	100		
39	75.4	46.6	70.0#
67	127.7	74.7	112.1#
52	53.4	32.2	48.4#

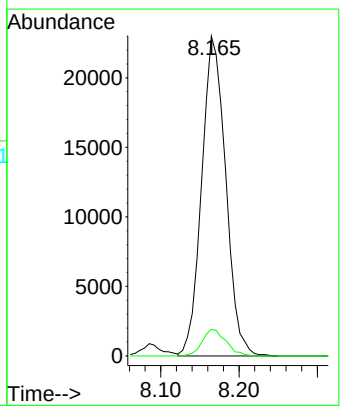


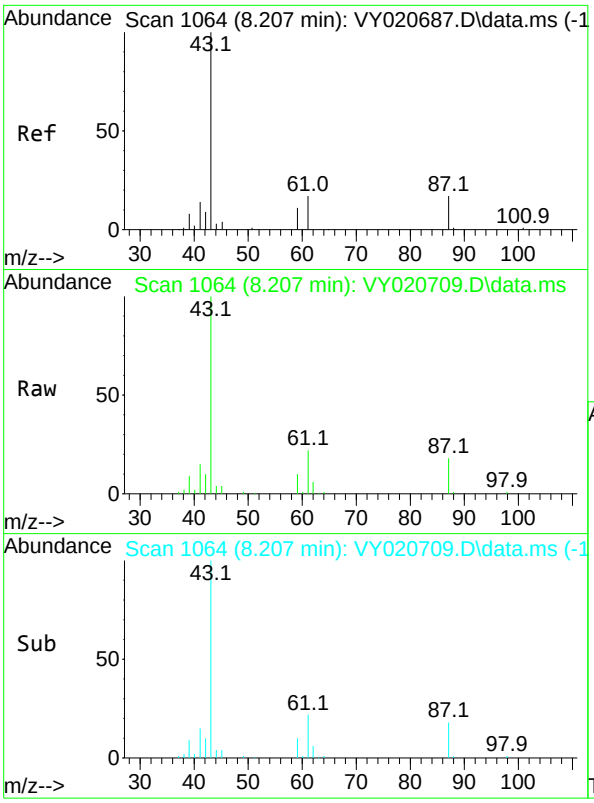


#42
1,2-Dichloroethane
Concen: 53.844 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. -0.005 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 62 Resp: 49005

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.6



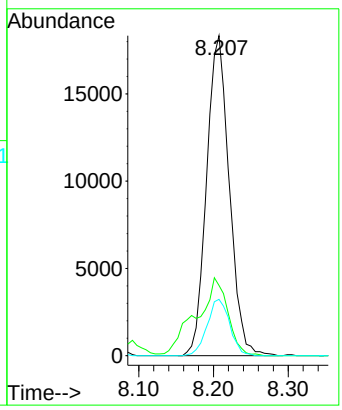


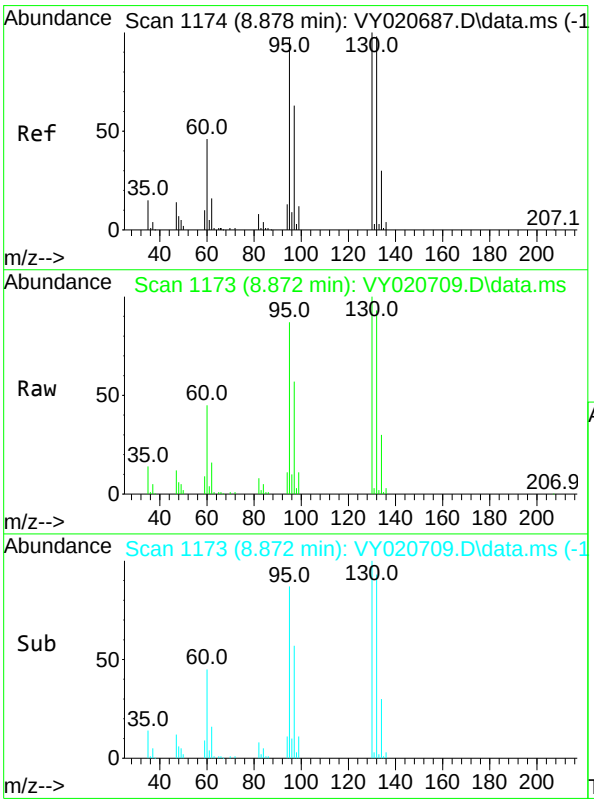
#43
Isopropyl Acetate
Concen: 56.406 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 38693

Ion	Ratio	Lower	Upper
43	100		
61	34.0	27.0	40.4
87	17.5	14.2	21.4

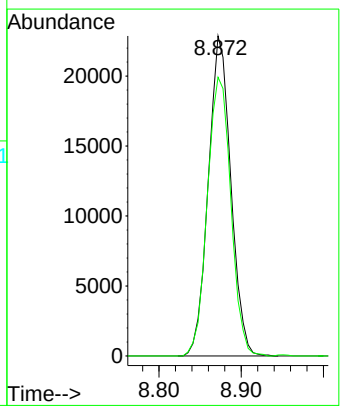


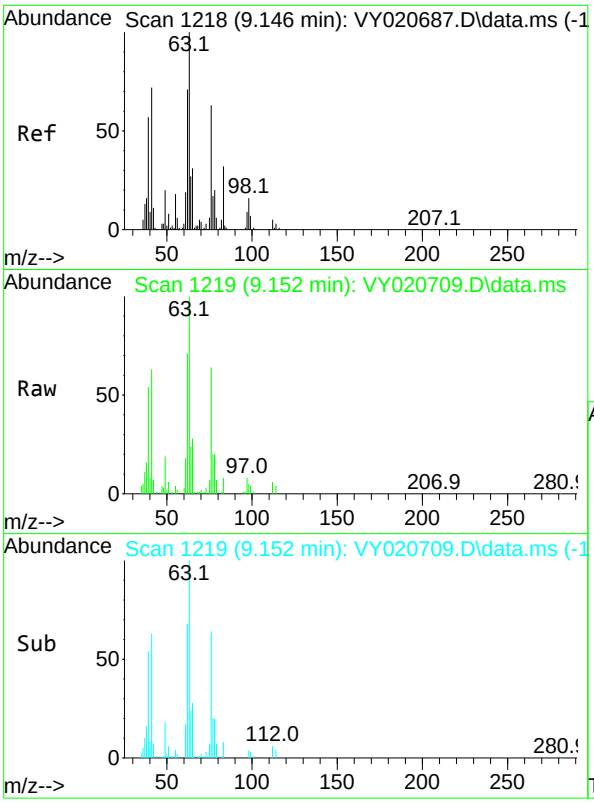


#44
Trichloroethene
Concen: 51.399 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:130 Resp: 43575

Ion	Ratio	Lower	Upper
130	100		
95	87.1	0.0	194.8



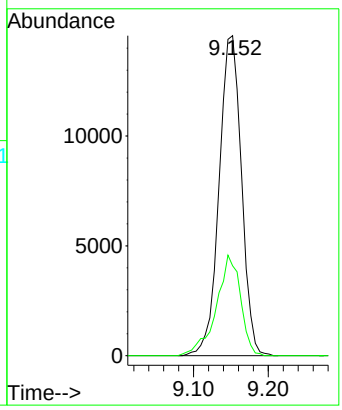


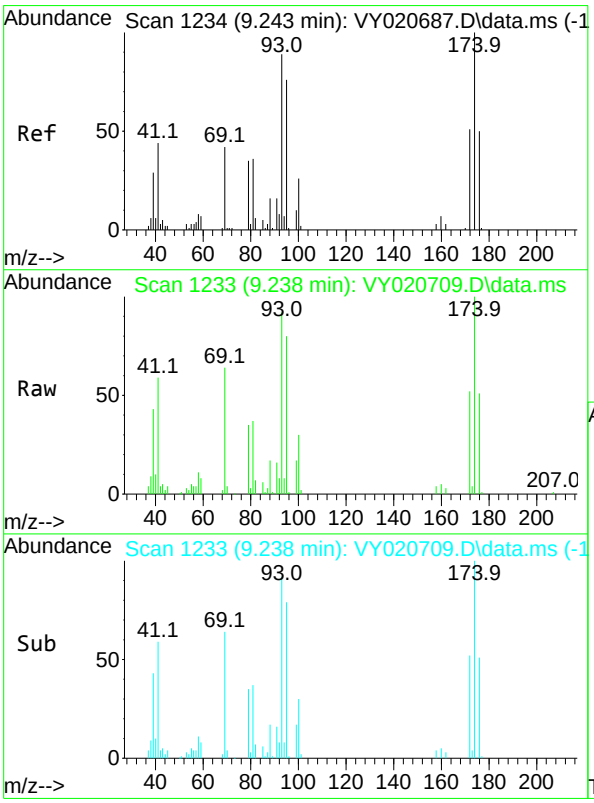
#45
1,2-Dichloropropane
Concen: 52.749 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 30307

Ion	Ratio	Lower	Upper
63	100		
65	28.1	24.6	36.8

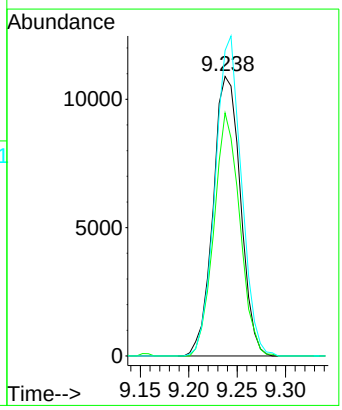


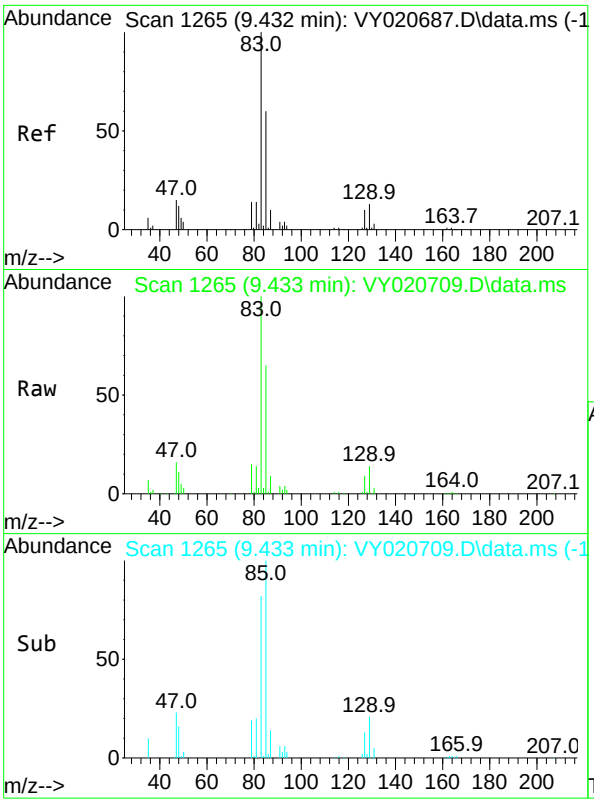


#46
Dibromomethane
Concen: 53.969 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. -0.005 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 93 Resp: 21455

Ion	Ratio	Lower	Upper
93	100		
95	81.8	67.8	101.8
174	109.4	89.4	134.0



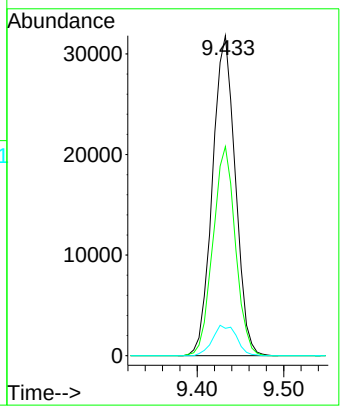


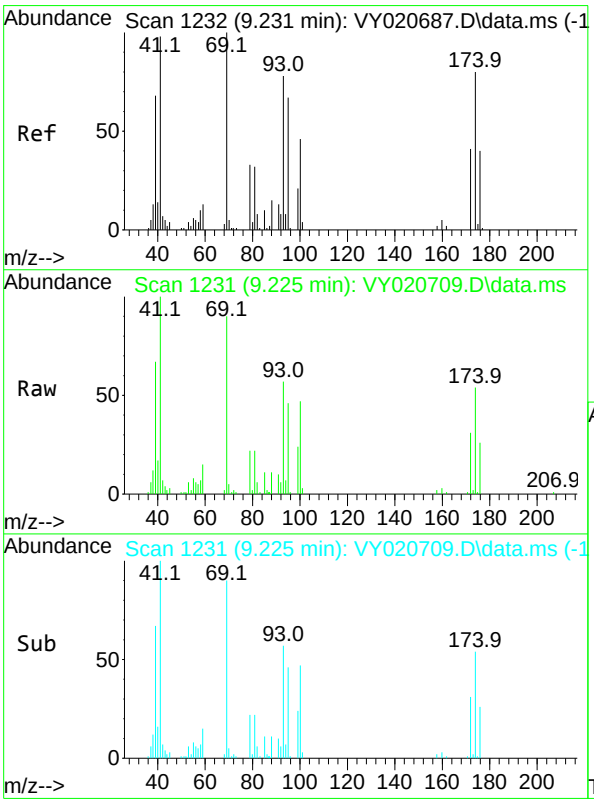
#47
Bromodichloromethane
Concen: 51.714 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 58285

Ion	Ratio	Lower	Upper
83	100		
85	65.4	47.6	71.4
127	8.6	7.9	11.9

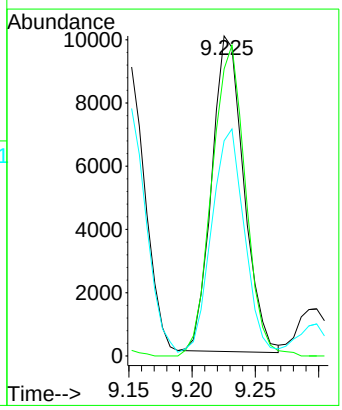


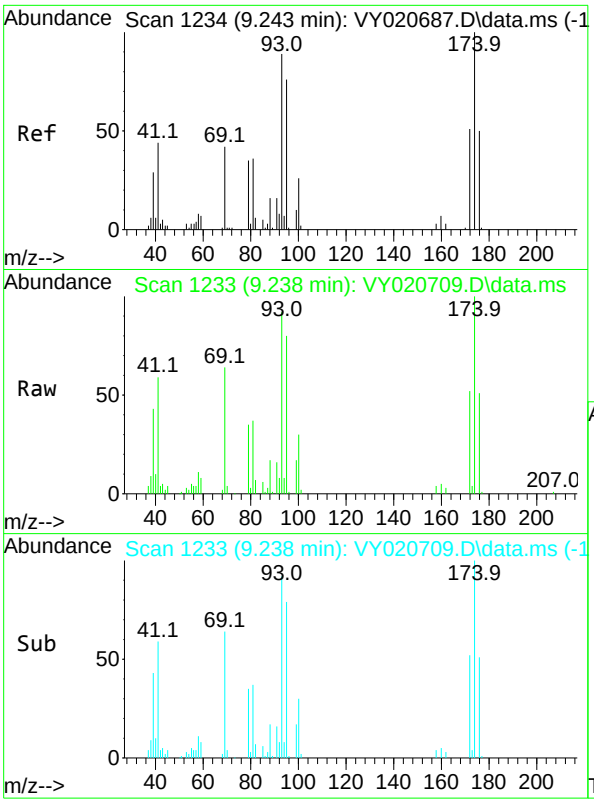


#48
Methyl methacrylate
Concen: 54.863 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 41 Resp: 17575

Ion	Ratio	Lower	Upper
41	100		
69	103.0	83.1	124.7
39	72.3	57.3	85.9



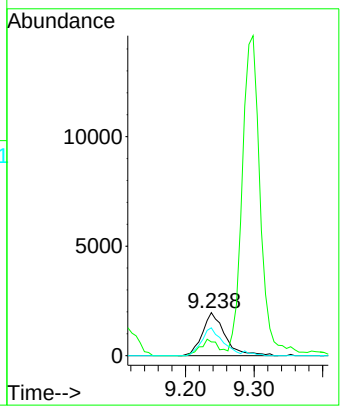


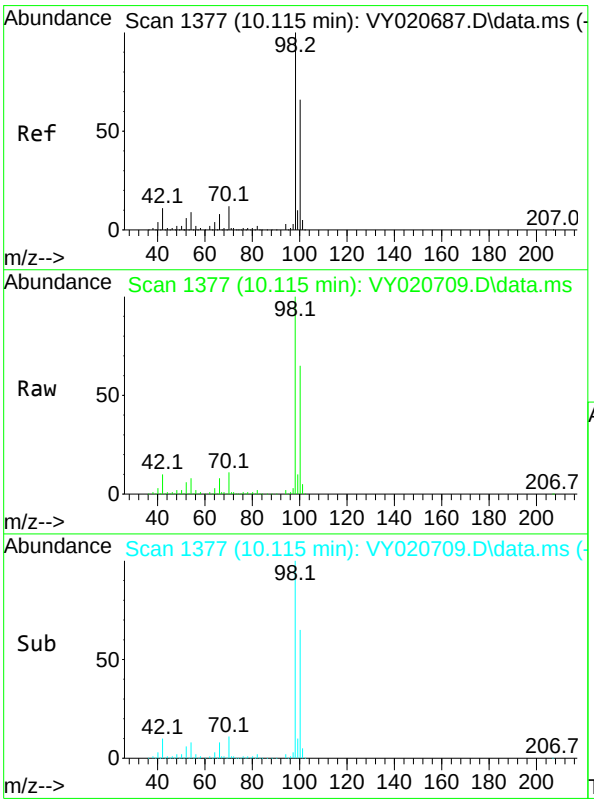
#49
1,4-Dioxane
Concen: 1194.426 ug/l
RT: 9.238 min Scan# 1
Delta R.T. -0.005 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 4523

Ion	Ratio	Lower	Upper
88	100		
43	27.1	22.1	33.1
58	59.8	46.7	70.1

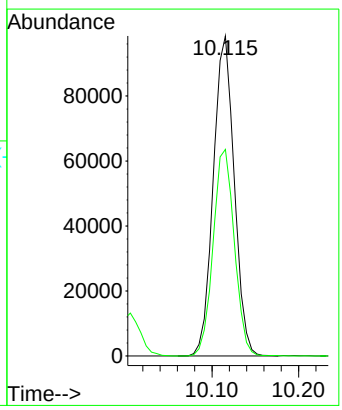


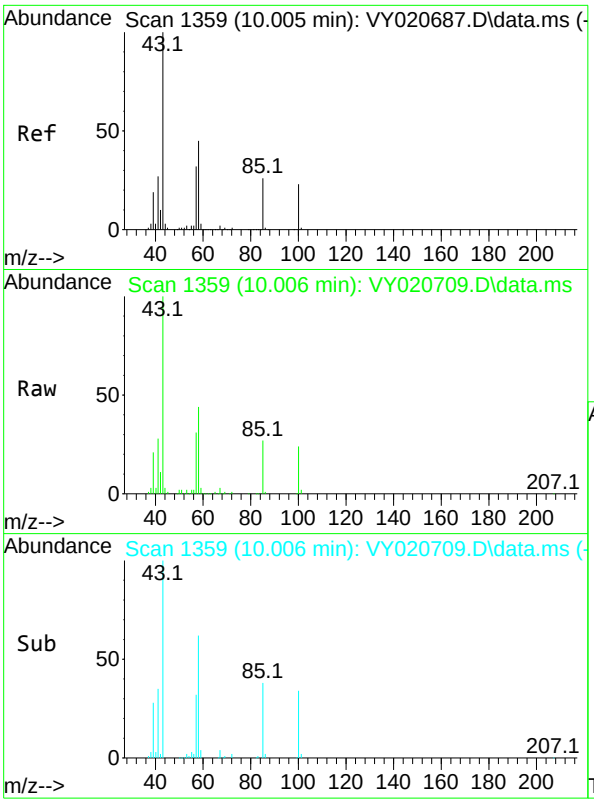


#50
Toluene-d8
Concen: 55.802 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 98 Resp: 165135

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.2	78.4



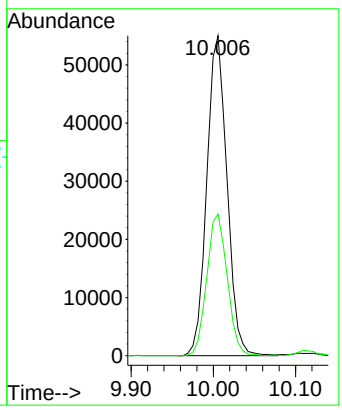


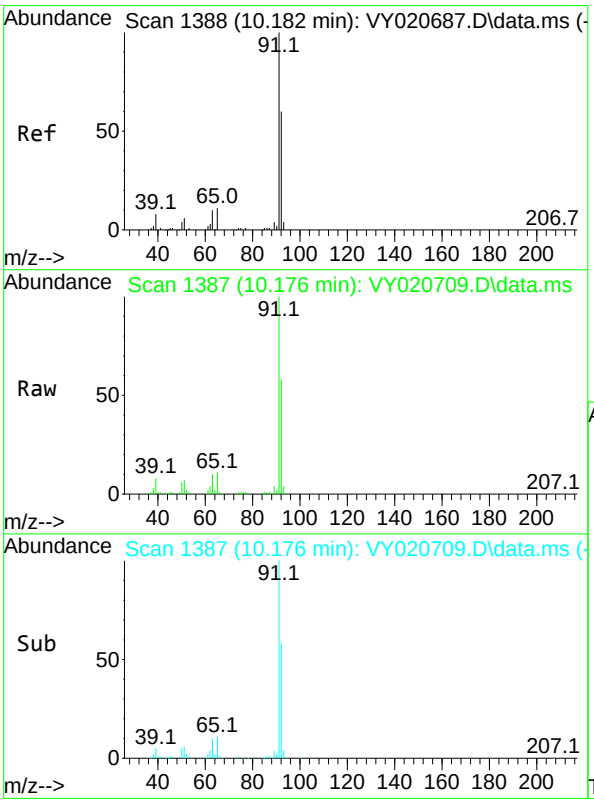
#51
4-Methyl-2-Pentanone
Concen: 283.711 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 93936

Ion	Ratio	Lower	Upper
43	100		
58	44.8	35.1	52.7

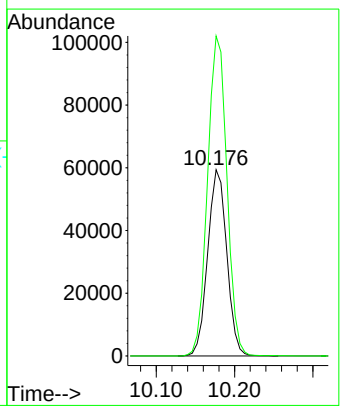


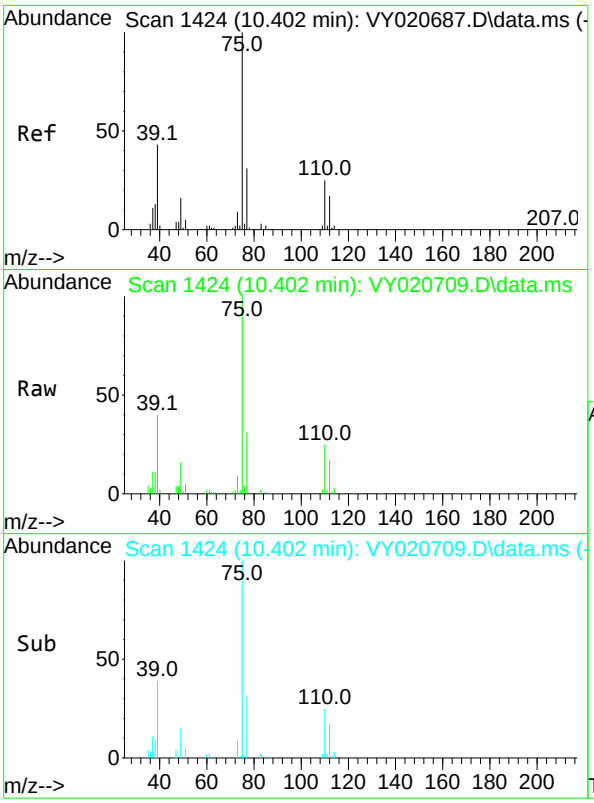


#52
Toluene
Concen: 51.531 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 92 Resp: 100248

Ion	Ratio	Lower	Upper
92	100		
91	174.4	137.7	206.5



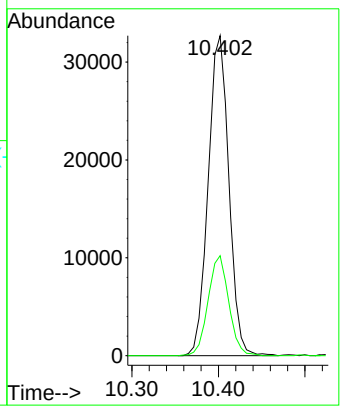


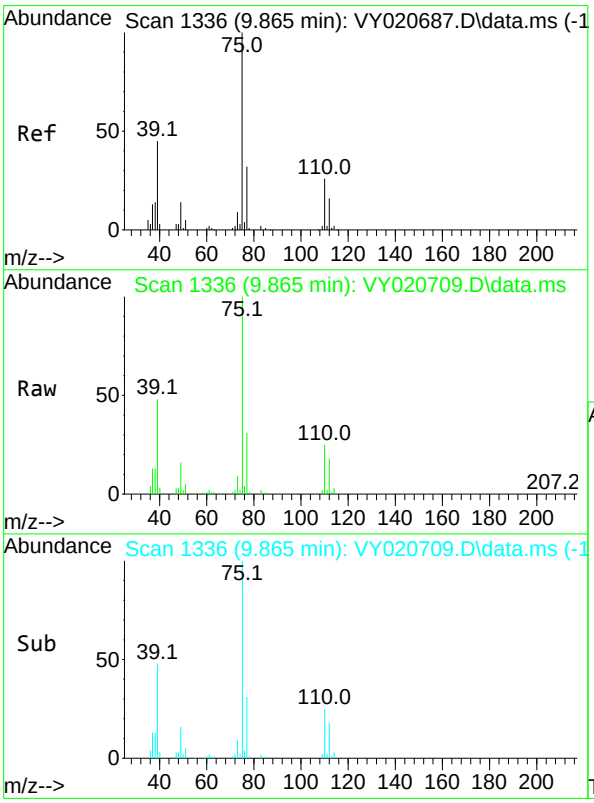
#53
t-1,3-Dichloropropene
Concen: 54.774 ug/l
RT: 10.402 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 54221

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7

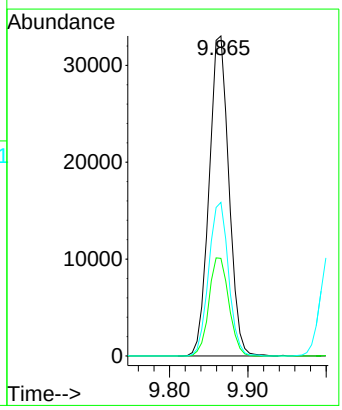


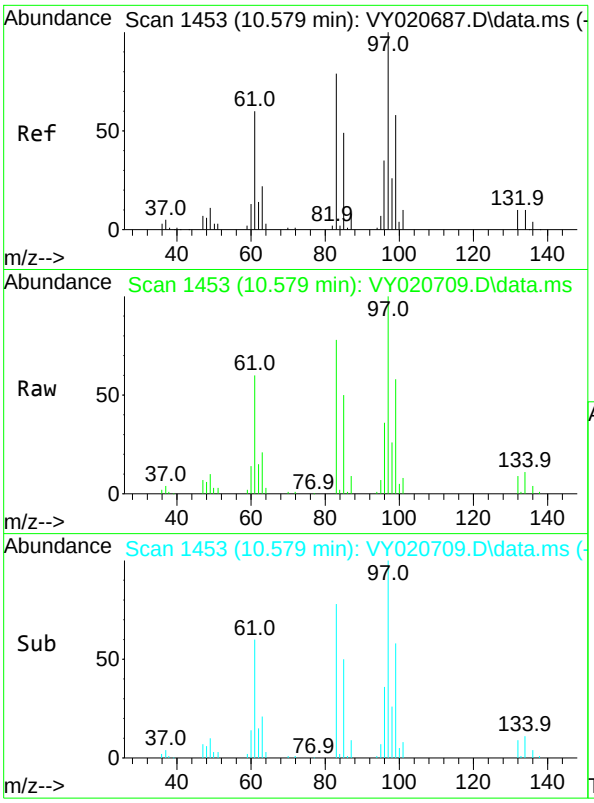


#54
cis-1,3-Dichloropropene
Concen: 53.316 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 75 Resp: 57850

Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.6	38.4
39	48.0	36.2	54.2



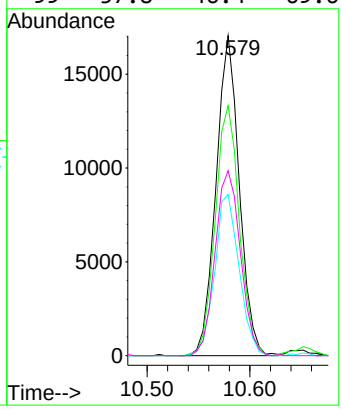


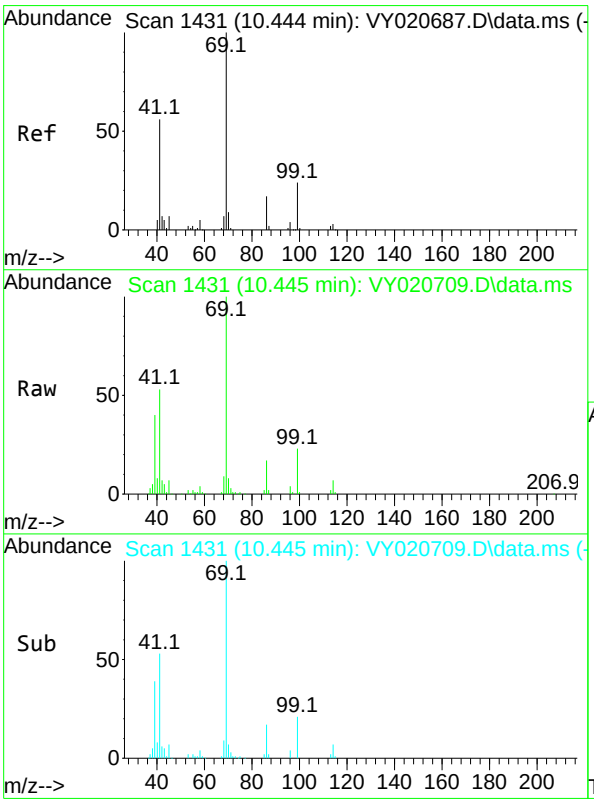
#55
1,1,2-Trichloroethane
Concen: 52.828 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 26808

Ion	Ratio	Lower	Upper
97	100		
83	78.2	63.1	94.7
85	50.5	39.5	59.3
99	57.8	46.4	69.6

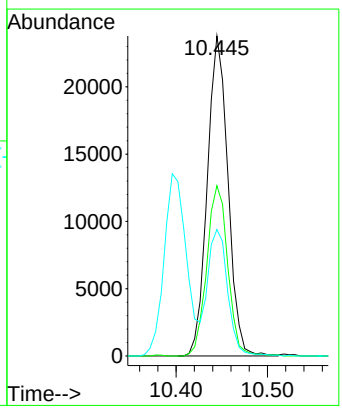


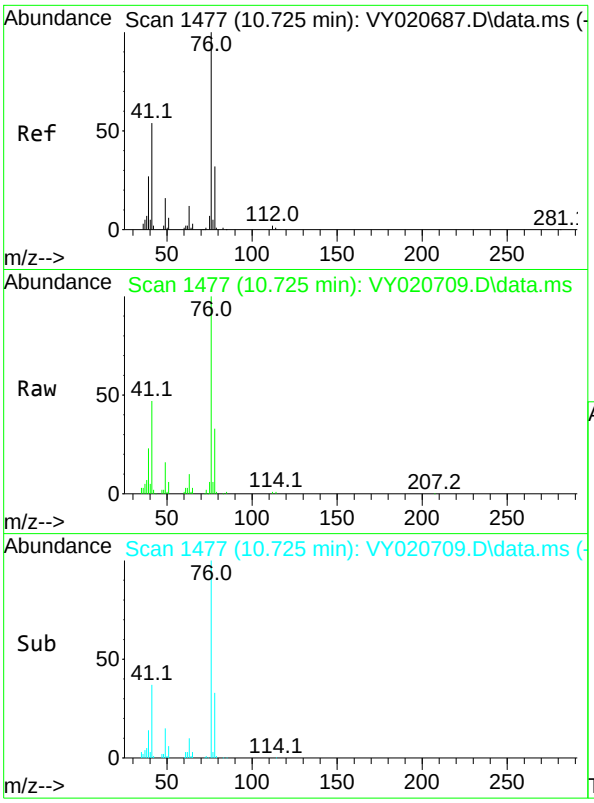


#56
Ethyl methacrylate
Concen: 56.020 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.001 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 69 Resp: 37346

Ion	Ratio	Lower	Upper
69	100		
41	54.0	43.8	65.6
39	37.9	32.0	48.0



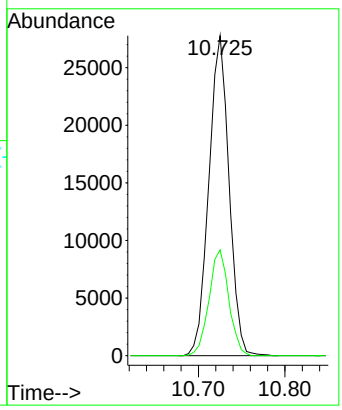


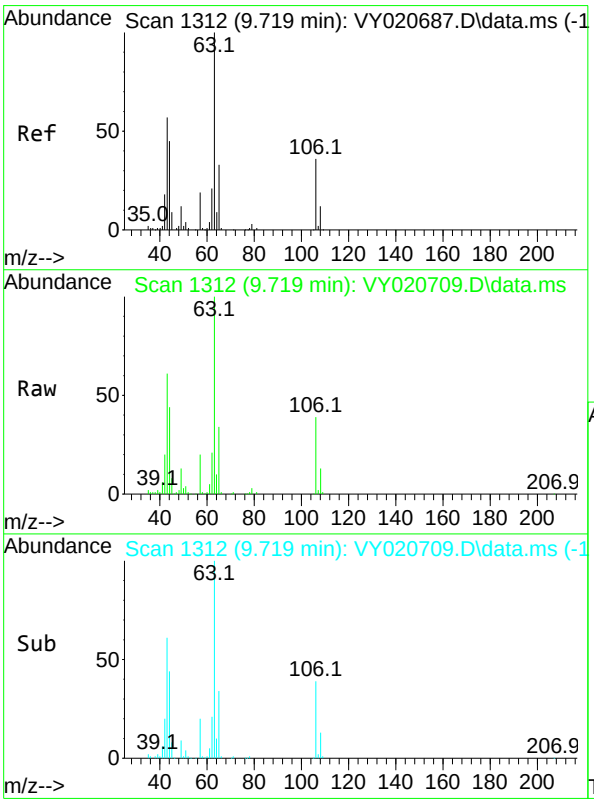
#57
1,3-Dichloropropane
Concen: 54.576 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 44949

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.0	37.6

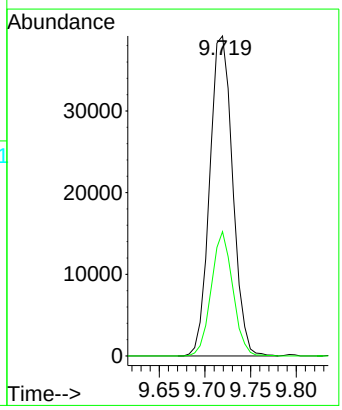


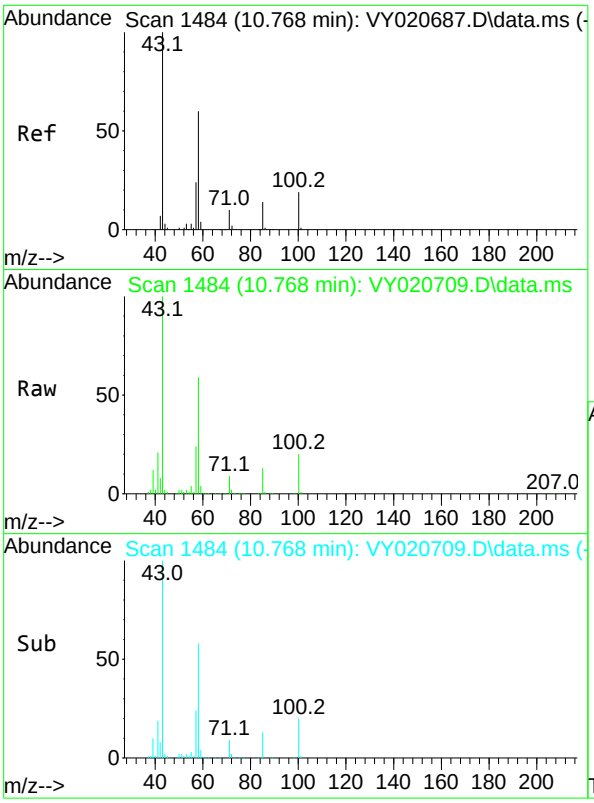


#58
2-Chloroethyl Vinyl ether
Concen: 294.122 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 63 Resp: 68375

Ion	Ratio	Lower	Upper
63	100		
106	36.3	29.1	43.7



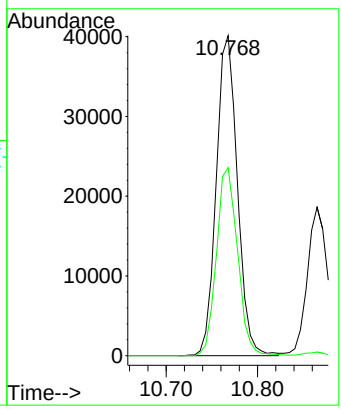


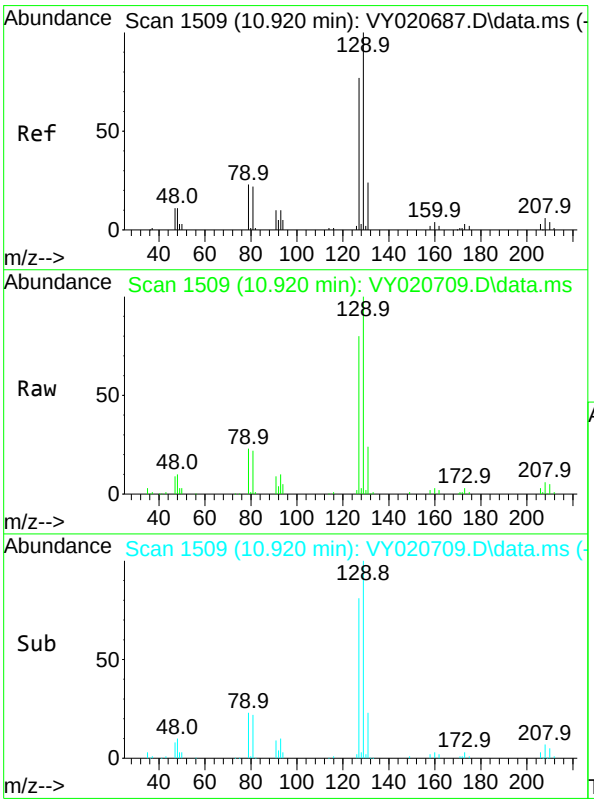
#59
2-Hexanone
Concen: 295.048 ug/l
RT: 10.768 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 64500

Ion	Ratio	Lower	Upper
43	100		
58	58.8	30.1	90.5

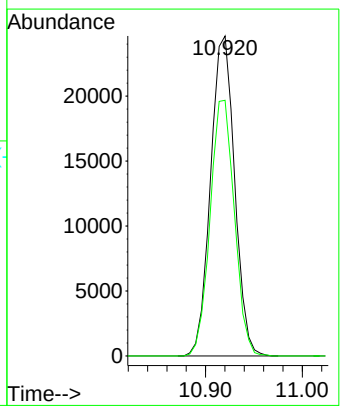


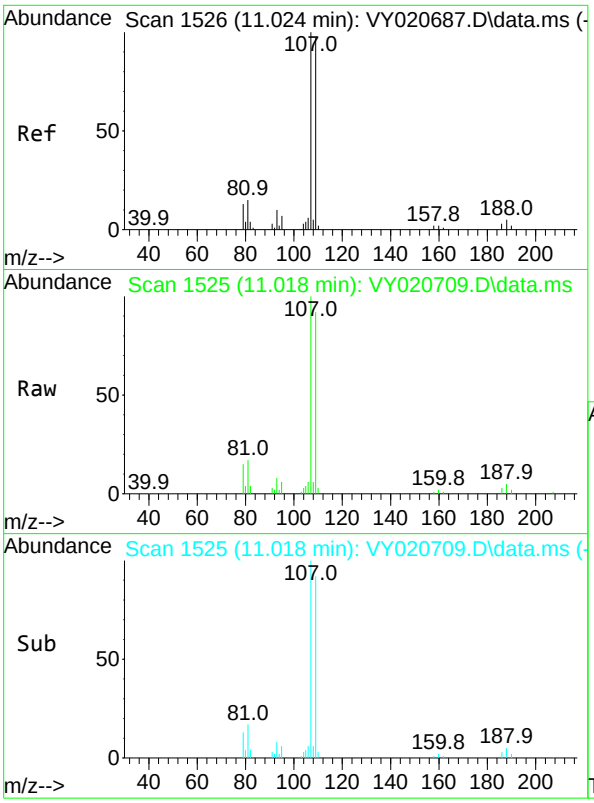


#60
Dibromochloromethane
Concen: 51.869 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:129 Resp: 42531

Ion	Ratio	Lower	Upper
129	100		
127	80.7	38.5	115.5



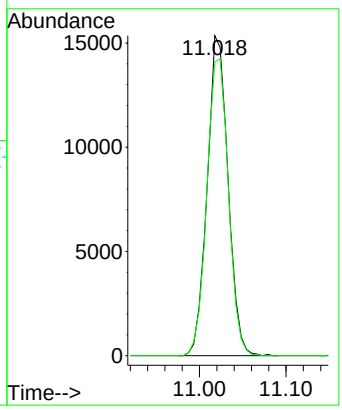


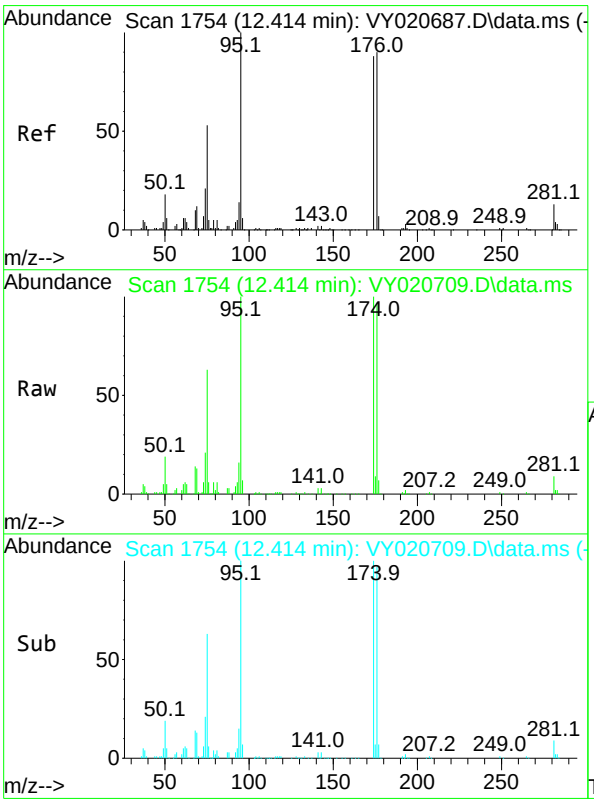
#61
1,2-Dibromoethane
Concen: 53.744 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 25662

Ion	Ratio	Lower	Upper
107	100		
109	96.2	75.5	113.3

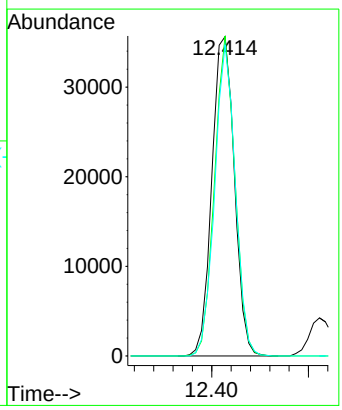


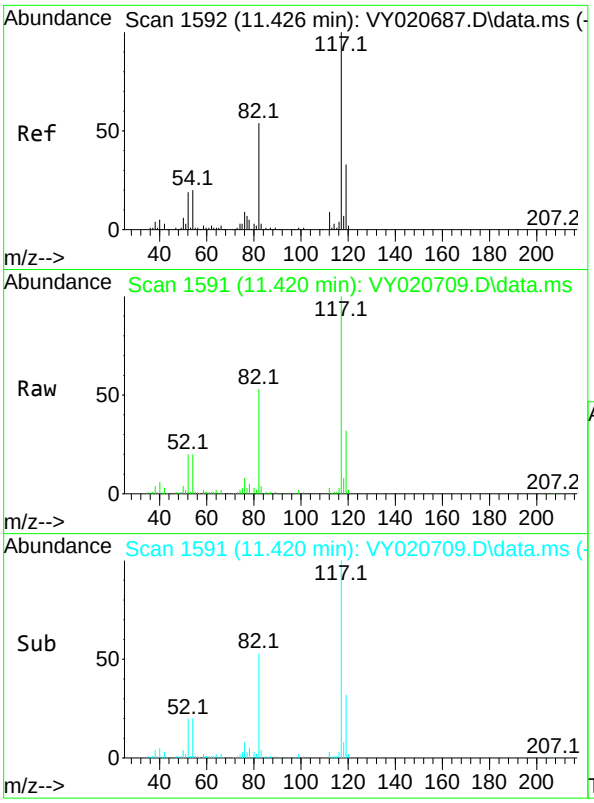


#62
4-Bromofluorobenzene
Concen: 58.248 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 95 Resp: 57393

Ion	Ratio	Lower	Upper
95	100		
174	91.3	0.0	179.2
176	89.6	0.0	179.8



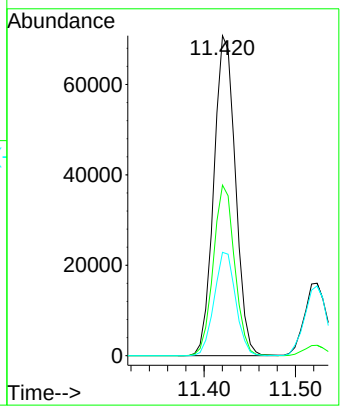


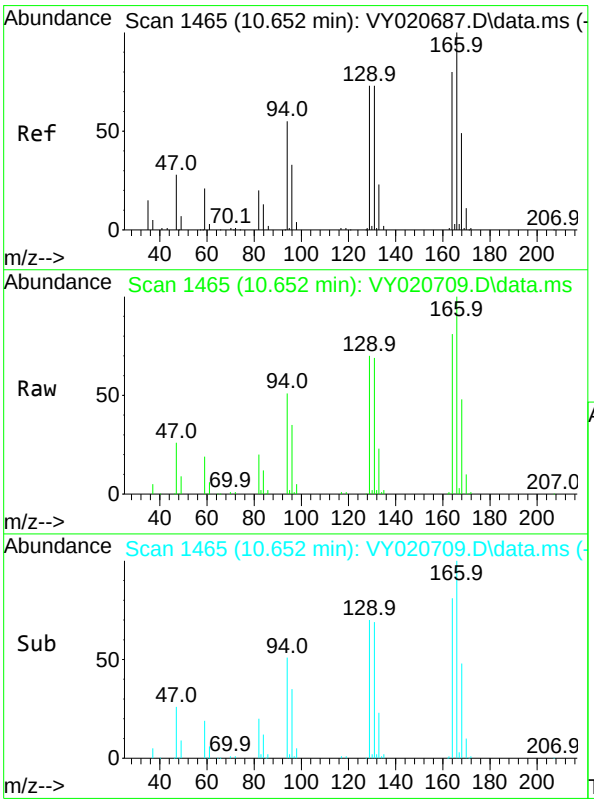
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 116249

Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.4	65.2
119	32.3	26.6	39.8

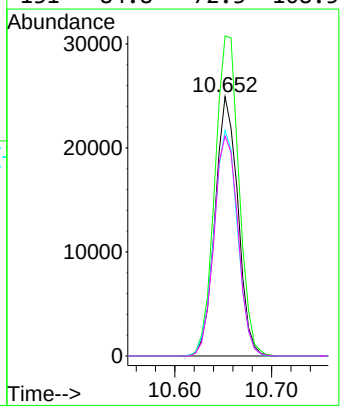


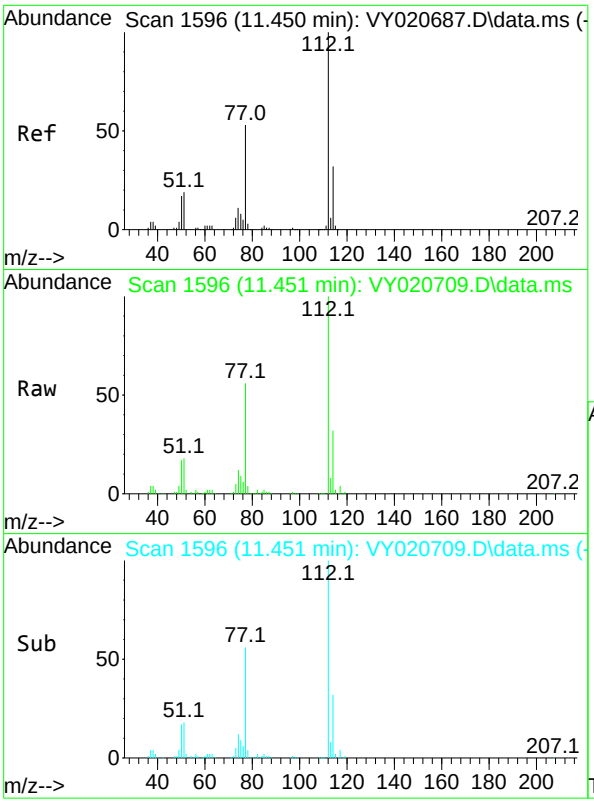


#64
Tetrachloroethene
Concen: 51.414 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:164 Resp: 40834

Ion	Ratio	Lower	Upper
164	100		
166	123.3	99.6	149.4
129	86.9	73.0	109.4
131	84.8	72.3	108.5



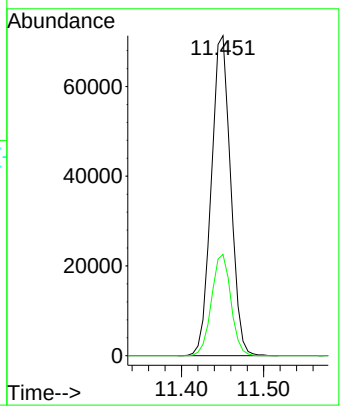


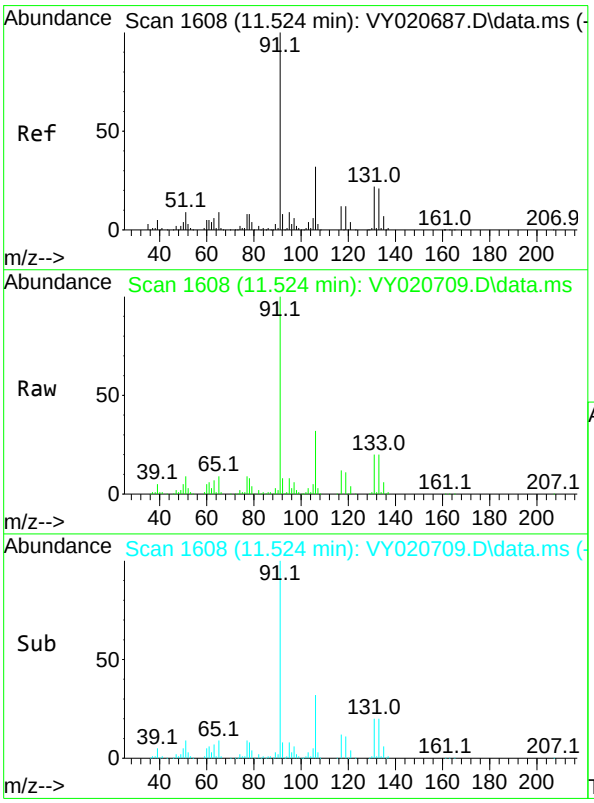
#65
Chlorobenzene
Concen: 51.151 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 116432

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.4	38.0

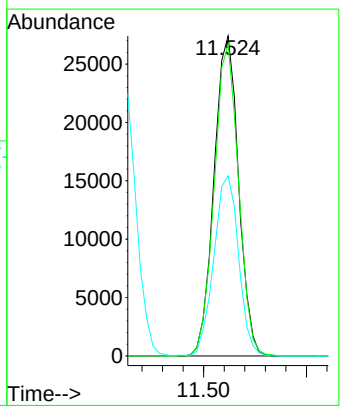


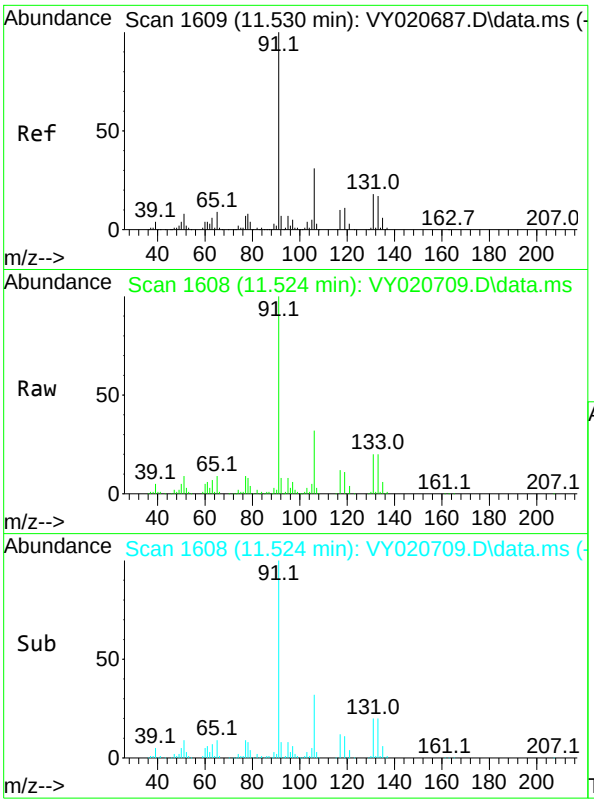


#66
1,1,1,2-Tetrachloroethane
Concen: 51.360 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:131 Resp: 45293

Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.6	145.9
119	57.1	28.4	85.3



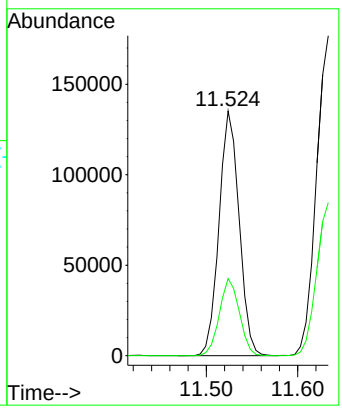


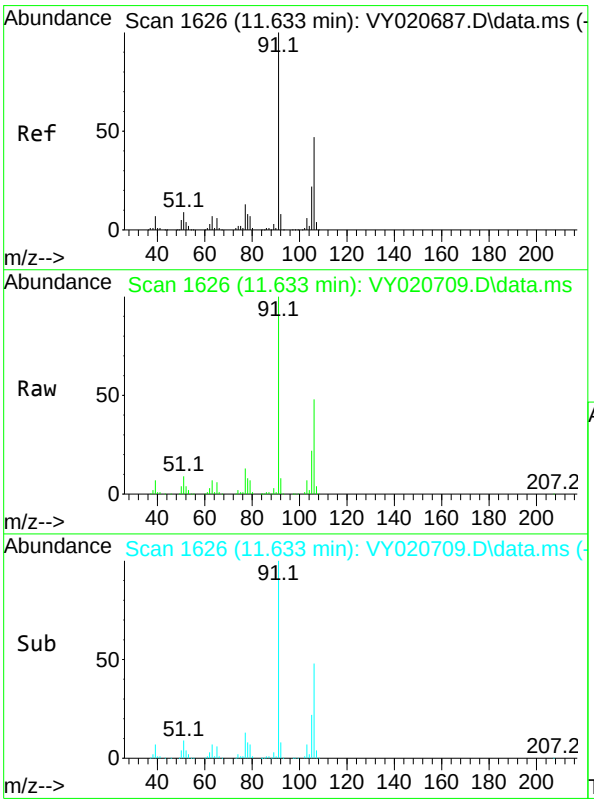
#67
Ethyl Benzene
Concen: 51.942 ug/l
RT: 11.524 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 206644

Ion	Ratio	Lower	Upper
91	100		
106	31.5	24.5	36.7

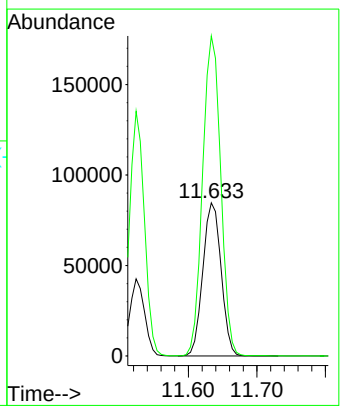


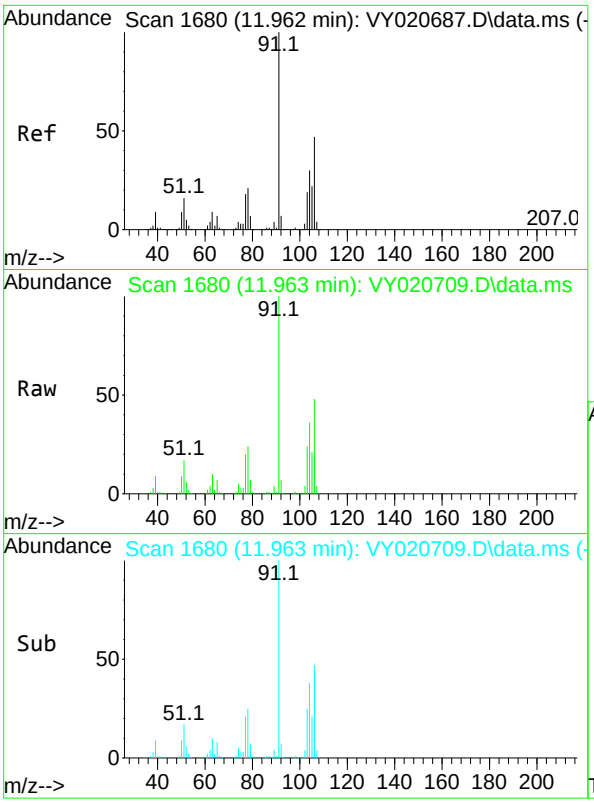


#68
m/p-Xylenes
Concen: 103.449 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:106 Resp: 156992

Ion	Ratio	Lower	Upper
106	100		
91	206.9	166.6	250.0



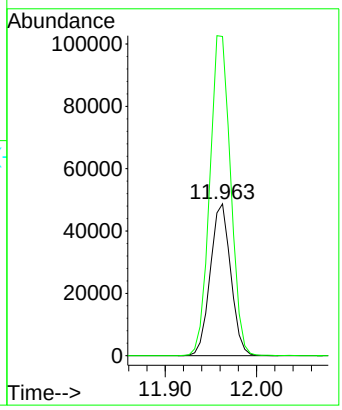


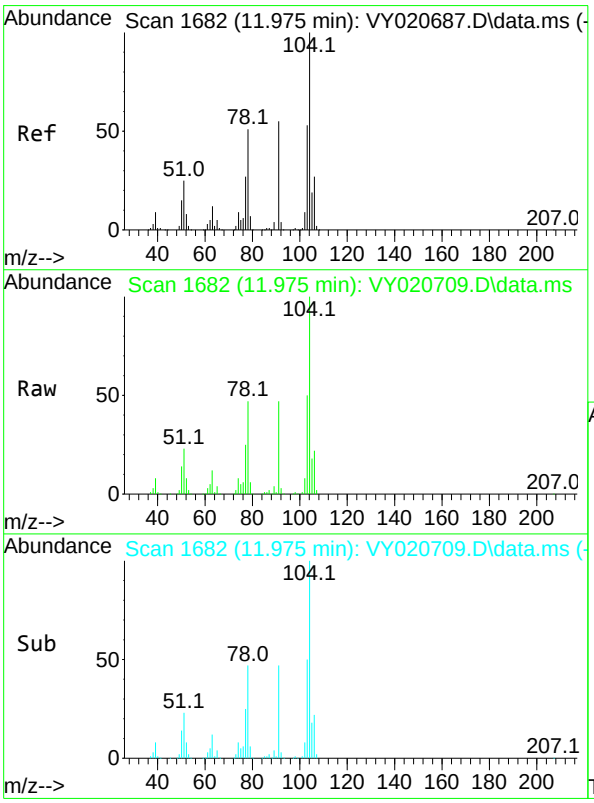
#69
o-Xylene
Concen: 52.115 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 75564

Ion	Ratio	Lower	Upper
106	100		
91	214.9	108.6	325.8

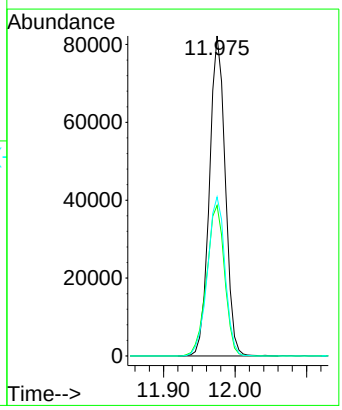


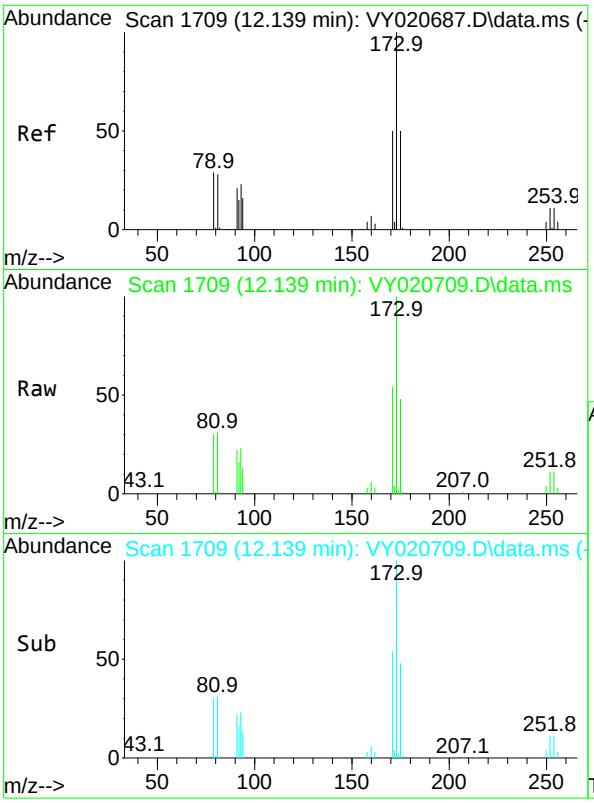


#70
Styrene
Concen: 52.061 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:104 Resp: 126718

Ion	Ratio	Lower	Upper
104	100		
78	53.0	43.0	64.4
103	55.0	44.4	66.6



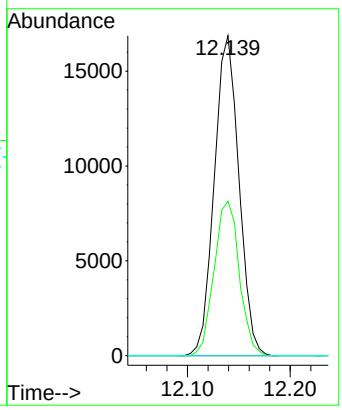


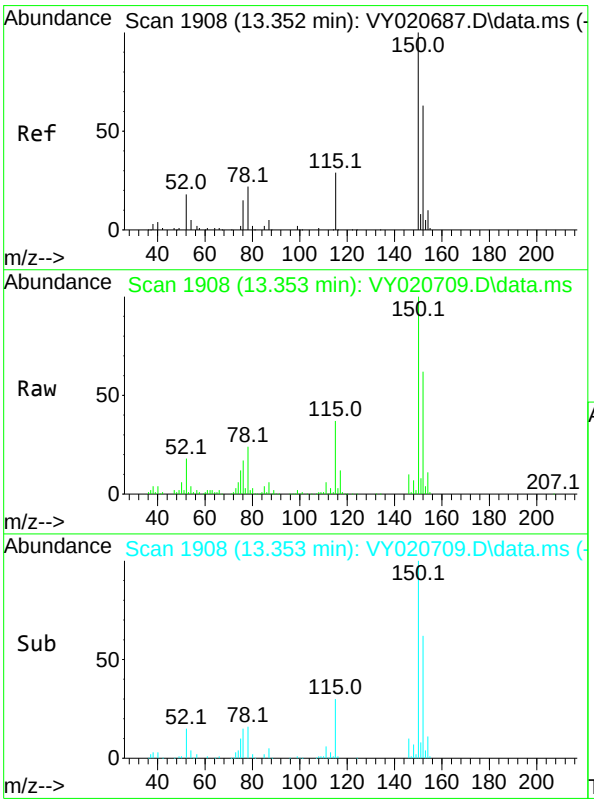
#71
Bromoform
Concen: 55.357 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 28066

Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.2	72.6
254	0.0	0.0	0.0

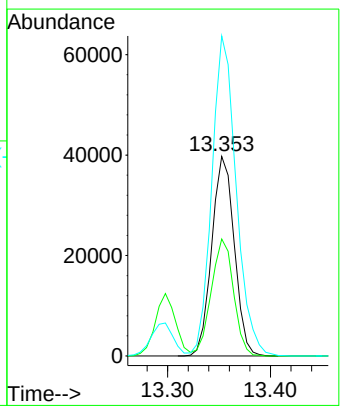


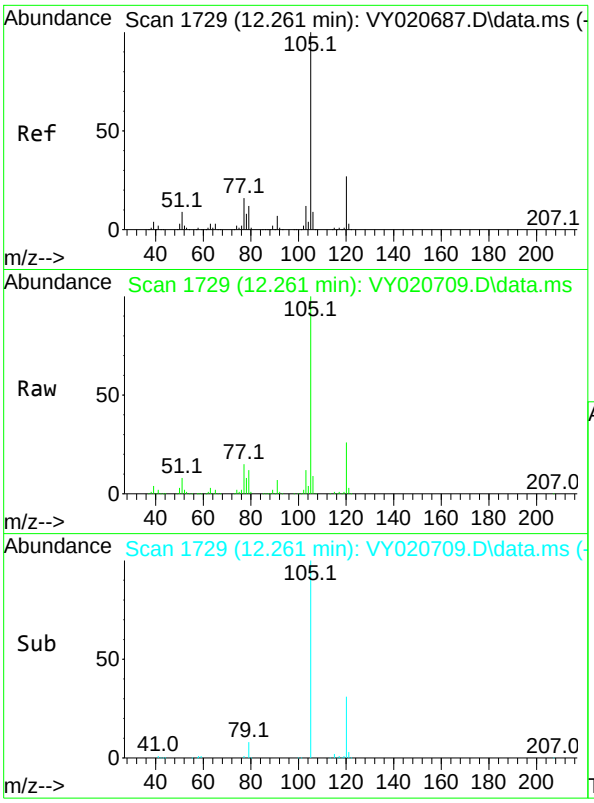


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.001 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:152 Resp: 60351

Ion	Ratio	Lower	Upper
152	100		
115	58.1	30.3	90.9
150	174.0	0.0	349.0



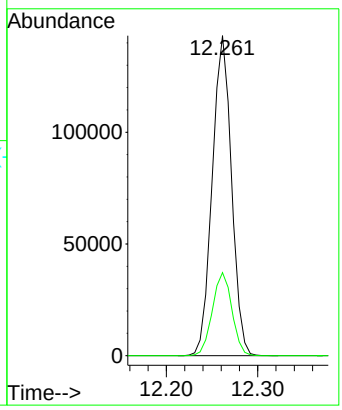


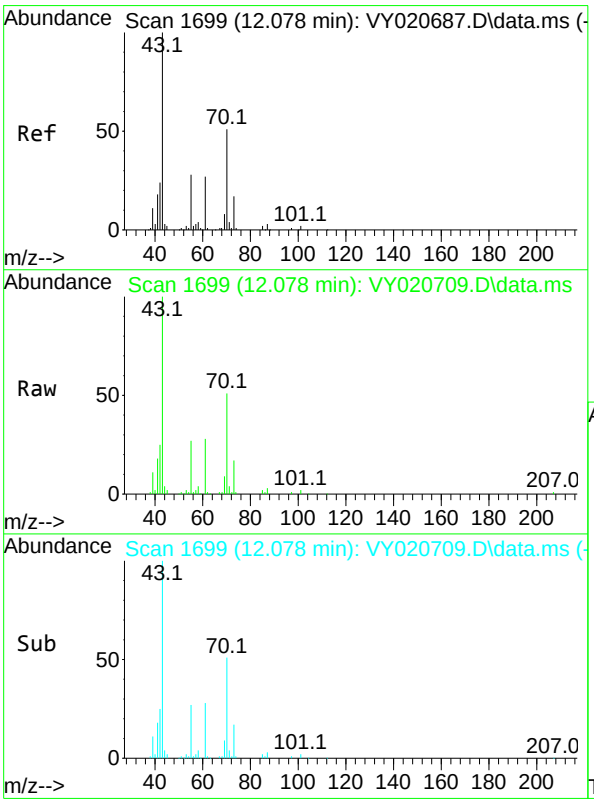
#73
Isopropylbenzene
Concen: 50.166 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 209755

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.3	39.9

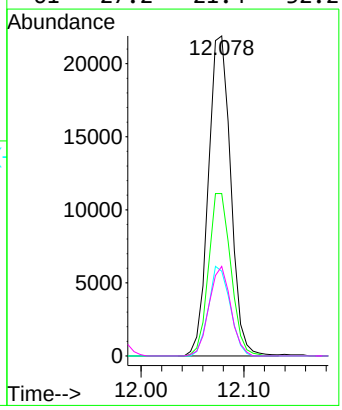


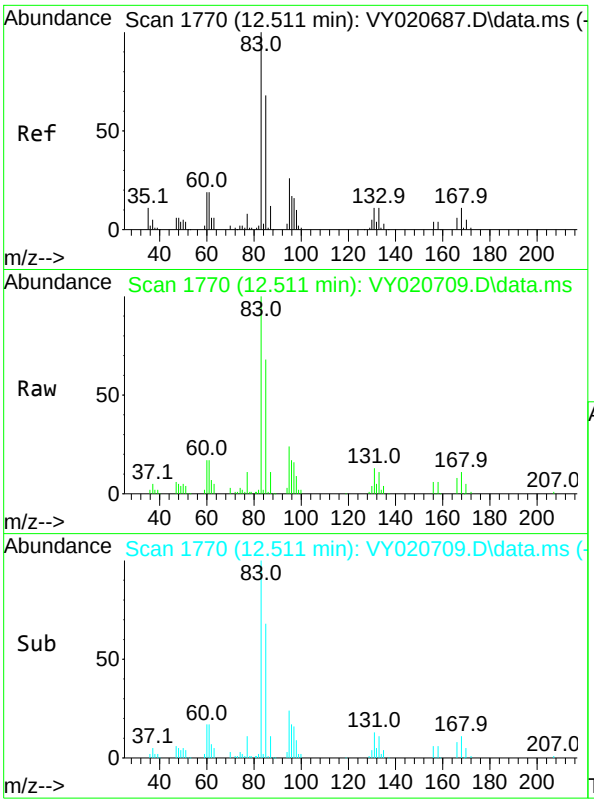


#74
N-amyl acetate
Concen: 55.579 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 43 Resp: 33024

Ion	Ratio	Lower	Upper
43	100		
70	50.7	39.7	59.5
55	27.1	21.5	32.3
61	27.2	21.4	32.2



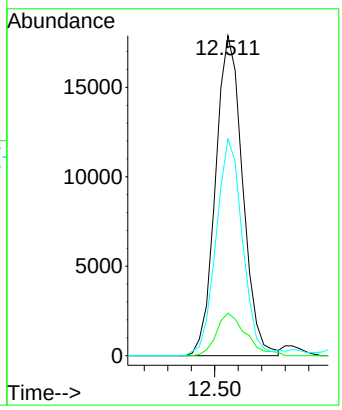


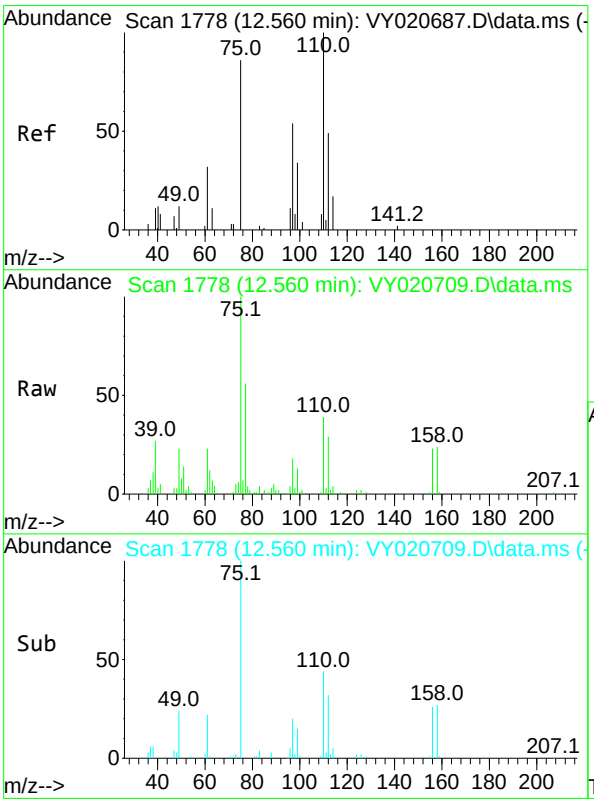
#75
1,1,2,2-Tetrachloroethane
Concen: 53.553 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 28705

Ion	Ratio	Lower	Upper
83	100		
131	14.4	6.9	20.7
85	66.5	32.5	97.4

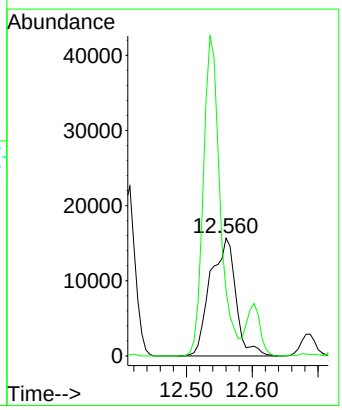


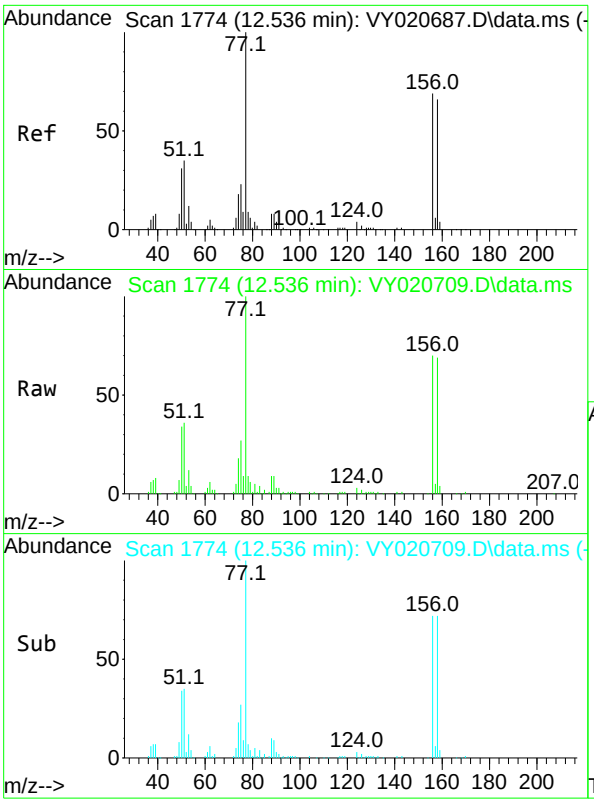


#76
1,2,3-Trichloropropane
Concen: 88.894 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 75 Resp: 42318

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



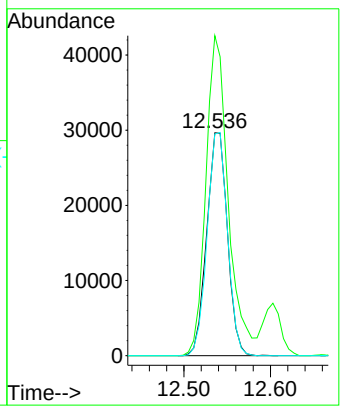


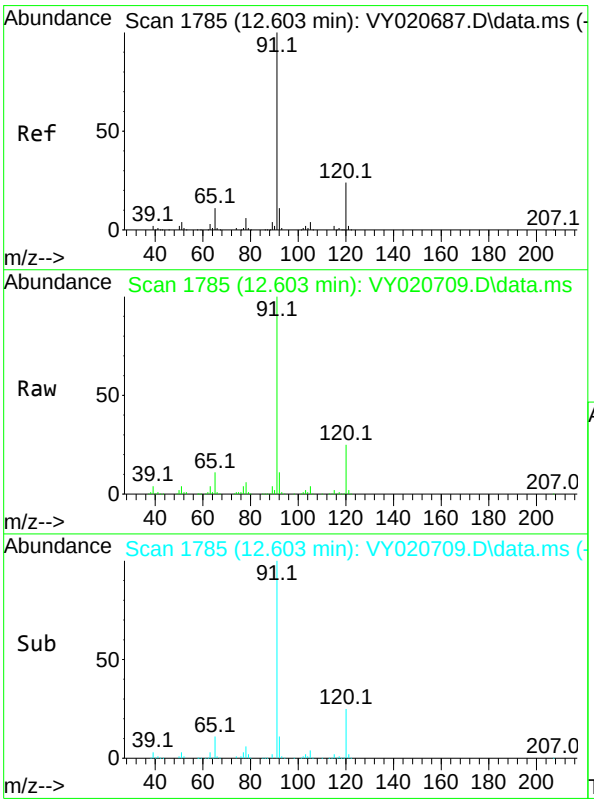
#77
Bromobenzene
Concen: 51.155 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 49237

Ion	Ratio	Lower	Upper
156	100		
77	153.5	78.3	235.0
158	98.2	48.3	144.9

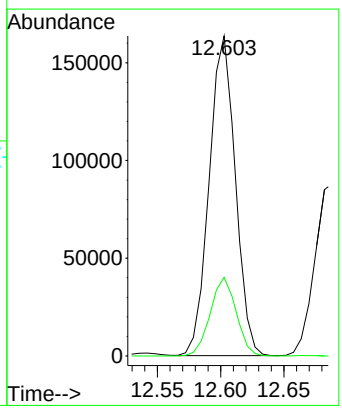


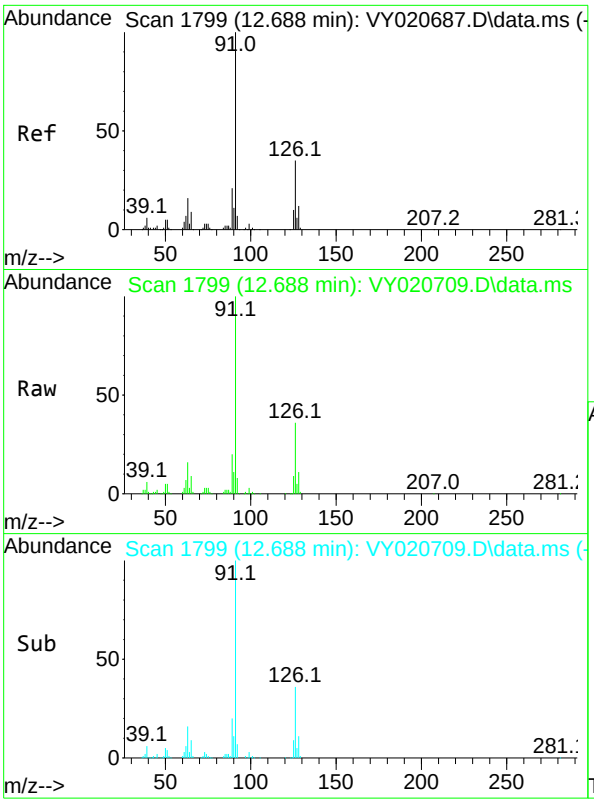


#78
n-propylbenzene
Concen: 50.173 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 91 Resp: 235128

Ion	Ratio	Lower	Upper
91	100		
120	24.3	12.3	36.8



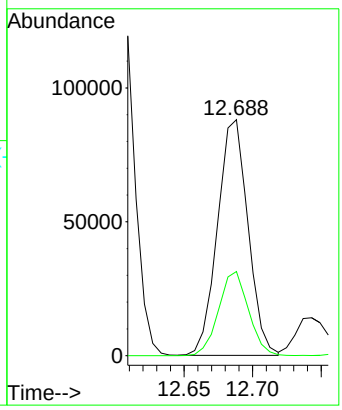


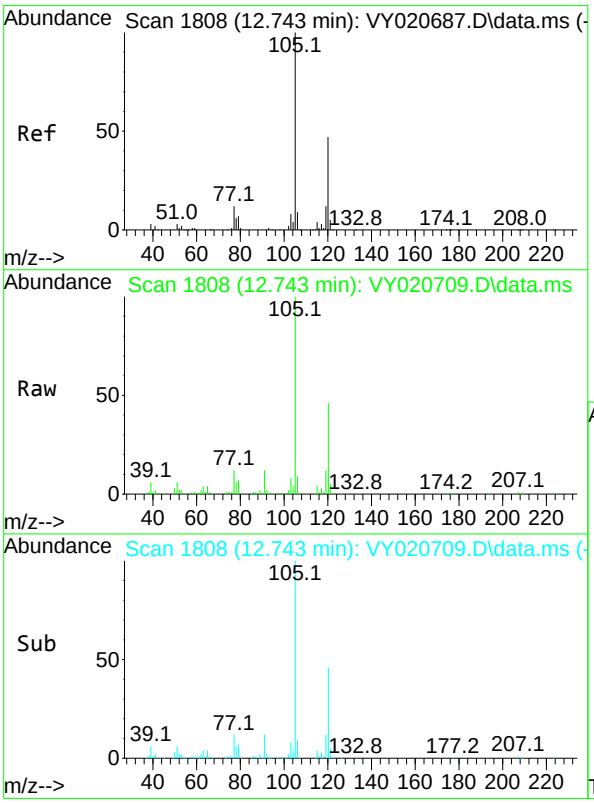
#79
2-Chlorotoluene
Concen: 51.012 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 136280

Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.8	53.3

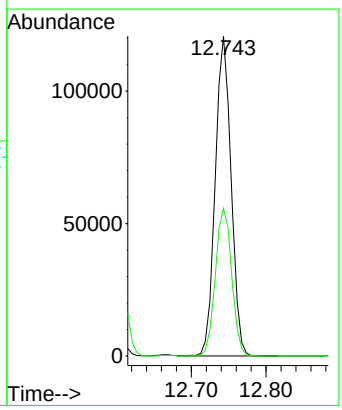


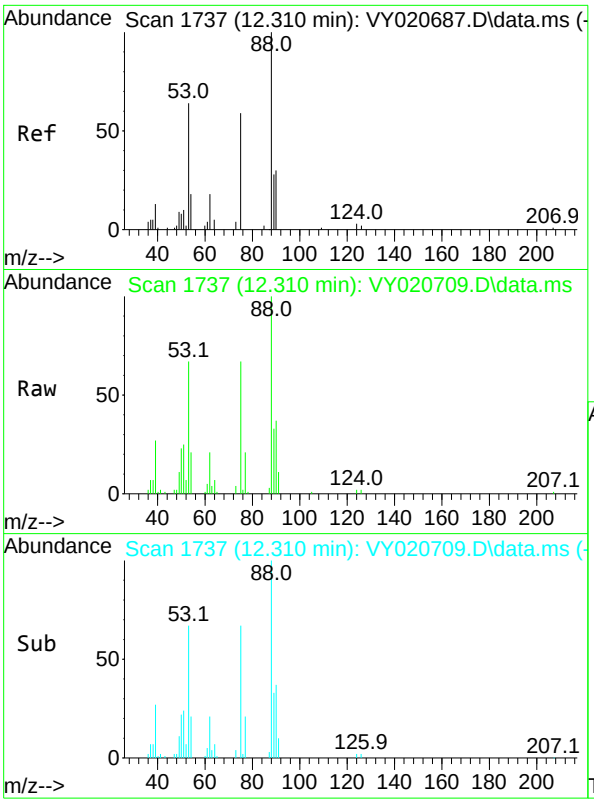


#80
1,3,5-Trimethylbenzene
Concen: 51.057 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:105 Resp: 177863

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.9	71.7



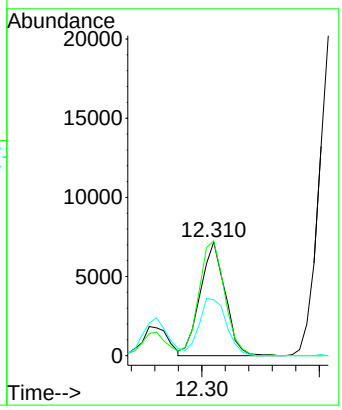


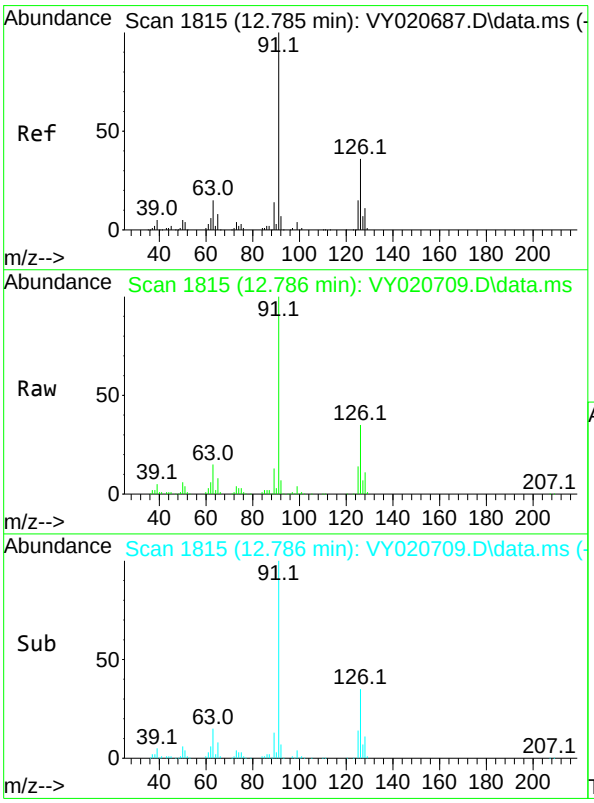
#81
trans-1,4-Dichloro-2-butene
Concen: 54.534 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 10590

Ion	Ratio	Lower	Upper
75	100		
53	103.8	83.1	124.7
89	54.6	40.6	61.0

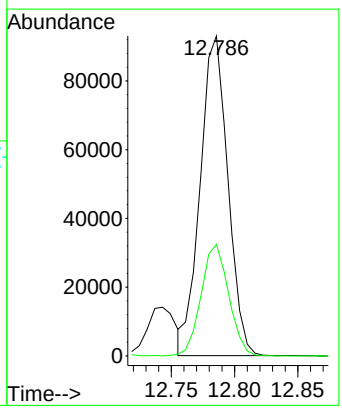


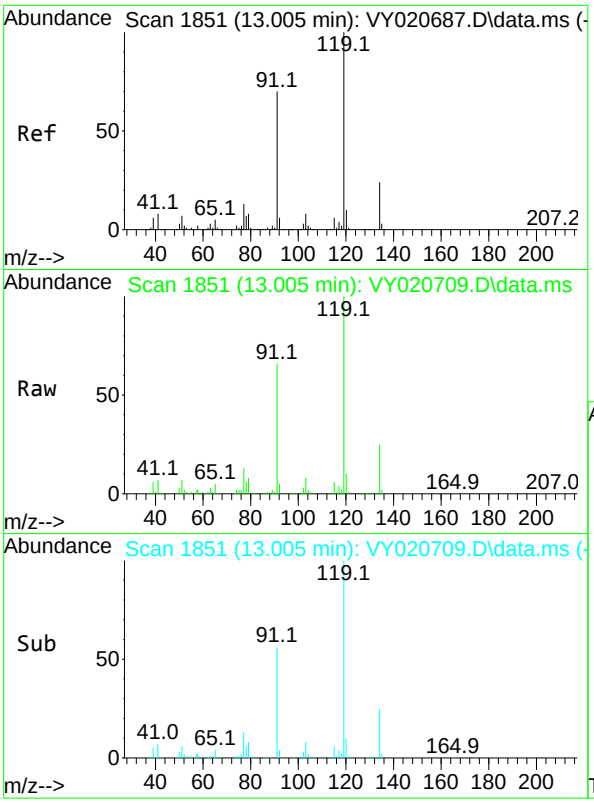


#82
4-Chlorotoluene
Concen: 51.241 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.001 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 91 Resp: 141476

Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.8	53.5



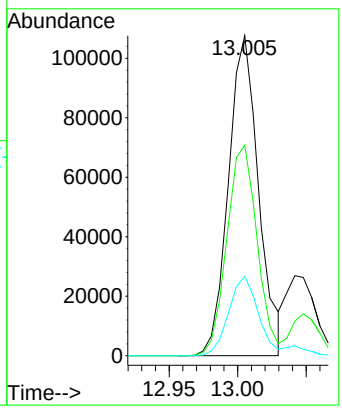


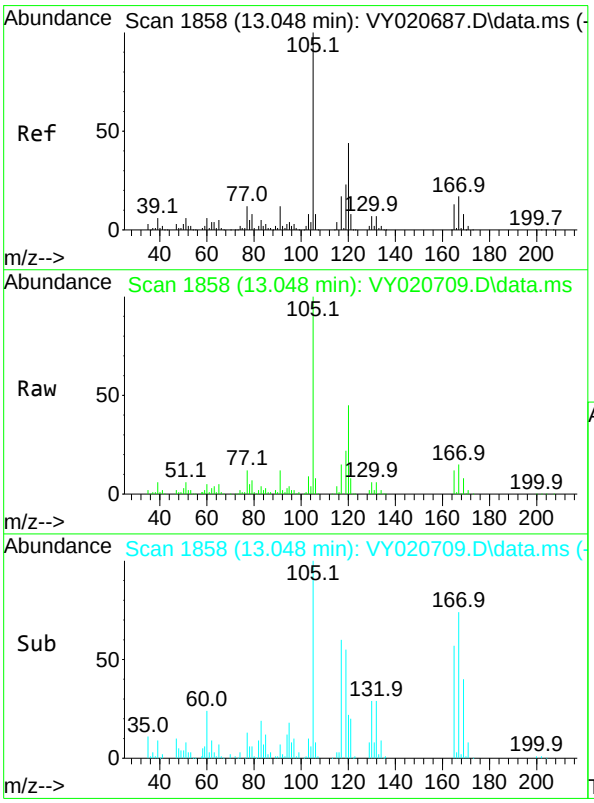
#83
tert-Butylbenzene
Concen: 50.596 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 164603

Ion	Ratio	Lower	Upper
119	100		
91	66.1	33.6	100.8
134	26.6	13.4	40.2

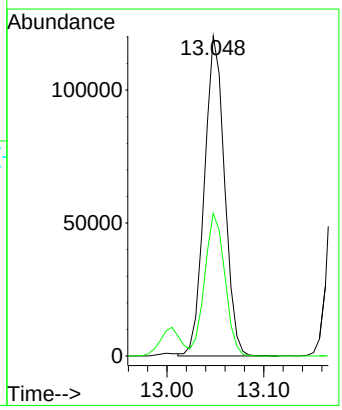


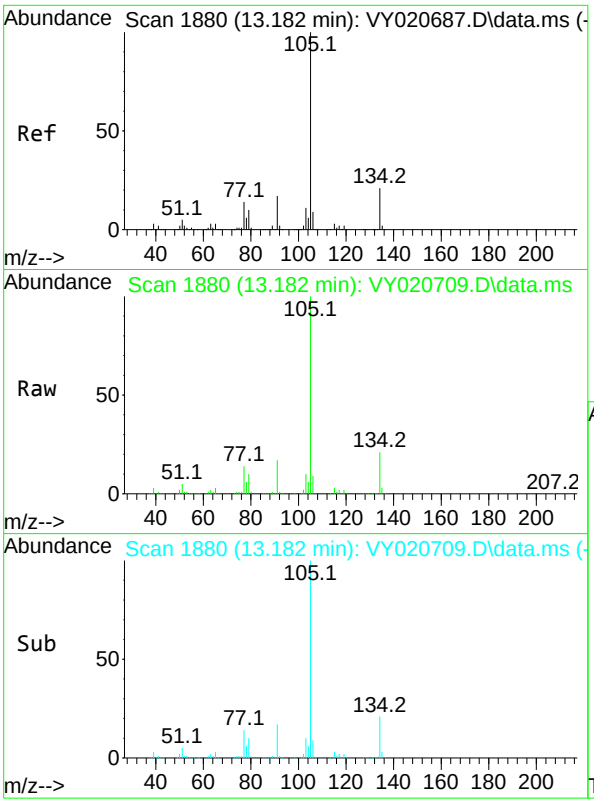


#84
1,2,4-Trimethylbenzene
Concen: 51.423 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:105 Resp: 174321

Ion	Ratio	Lower	Upper
105	100		
120	44.4	21.8	65.3



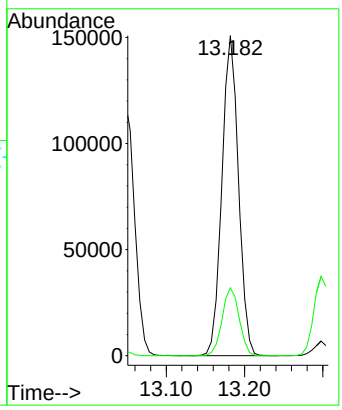


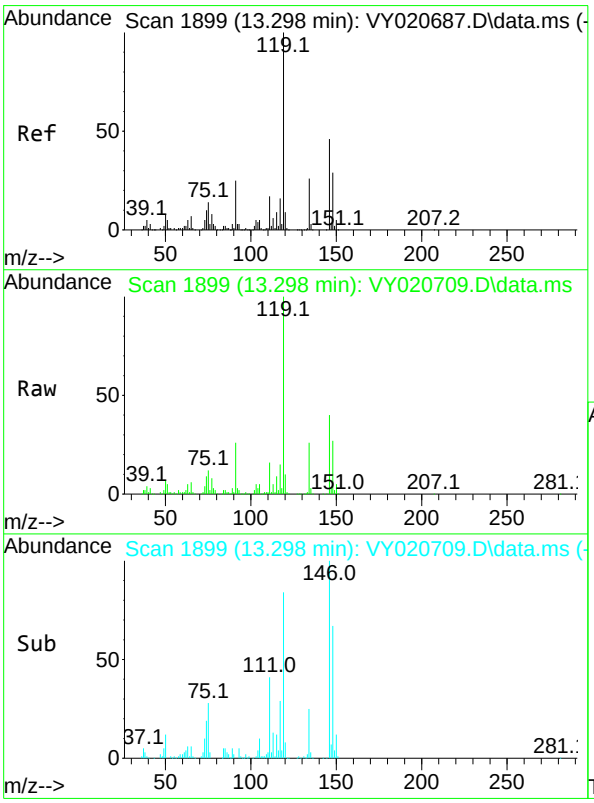
#85
sec-Butylbenzene
Concen: 50.603 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 221870

Ion	Ratio	Lower	Upper
105	100		
134	21.8	10.7	32.1

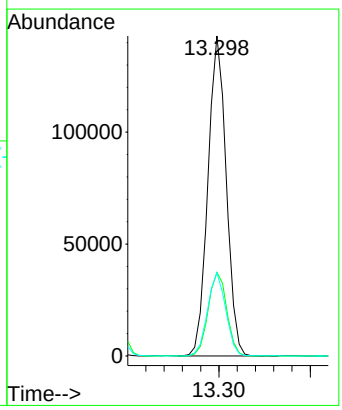


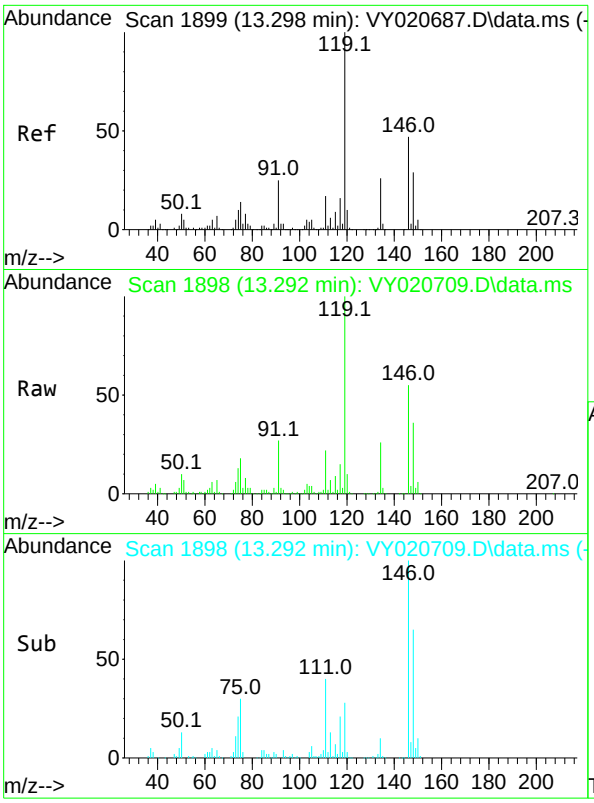


#86
p-Isopropyltoluene
Concen: 50.891 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:119 Resp: 198854

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.4	40.2
91	25.8	12.9	38.6



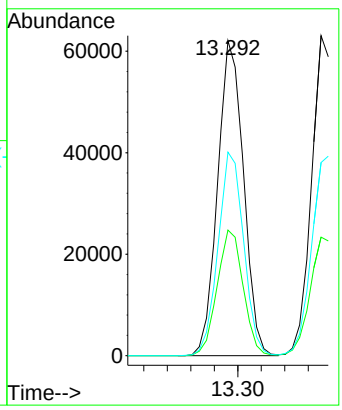


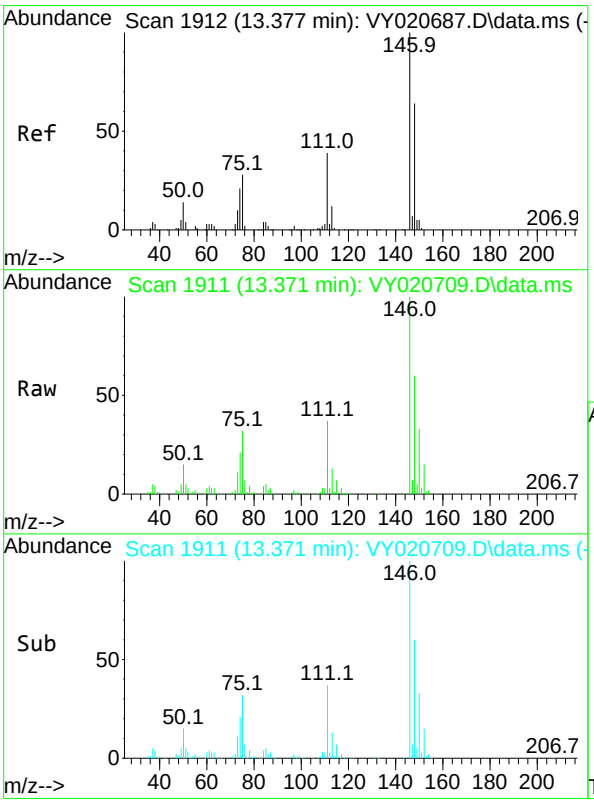
#87
1,3-Dichlorobenzene
Concen: 50.631 ug/l
RT: 13.292 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 95245

Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.3	57.8
148	63.9	31.1	93.5

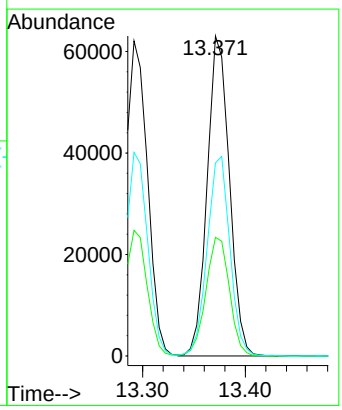


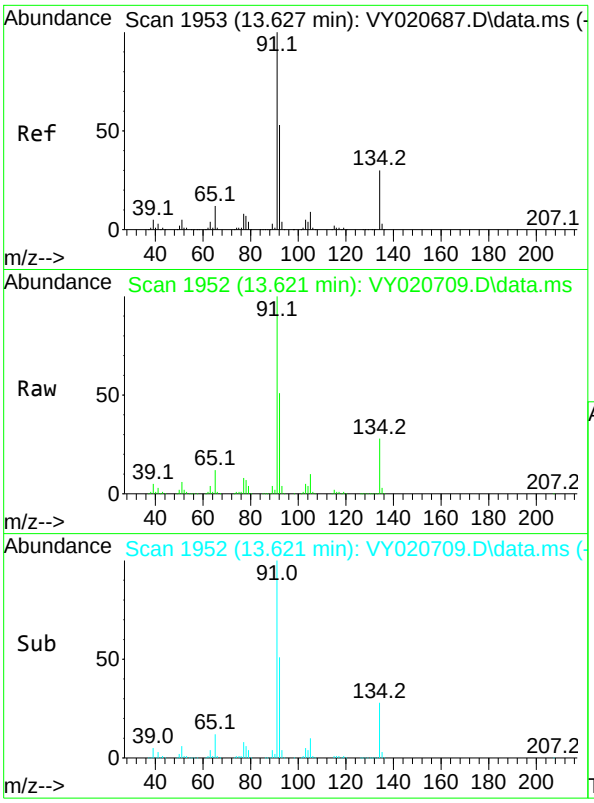


#88
1,4-Dichlorobenzene
Concen: 50.694 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:146 Resp: 94865

Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	63.8	32.8	98.3



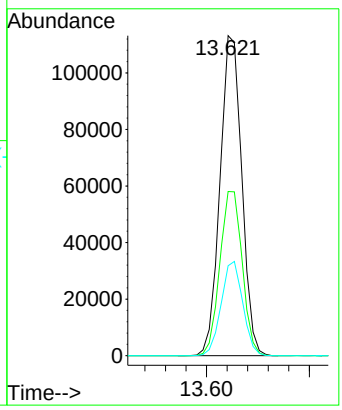


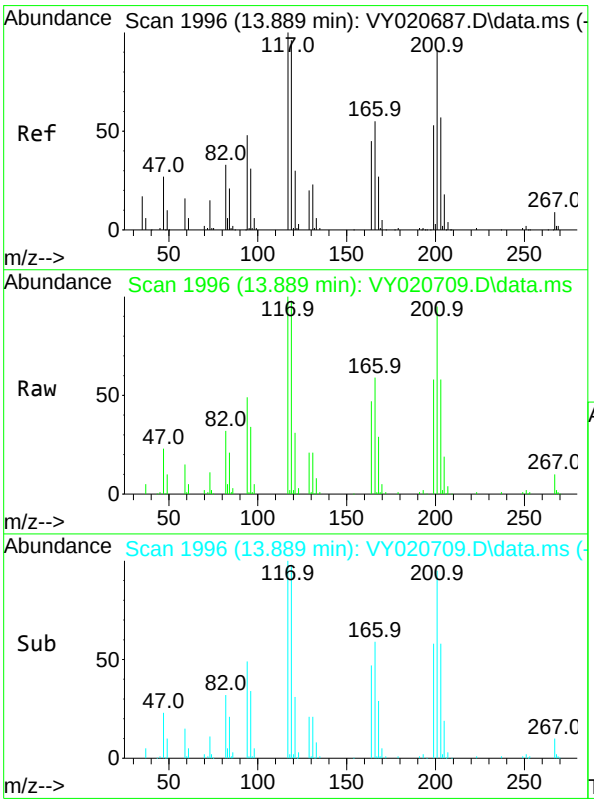
#89
n-Butylbenzene
Concen: 51.010 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 166380

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.1	78.2
134	29.3	14.8	44.4

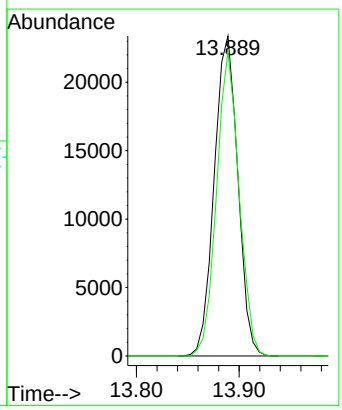


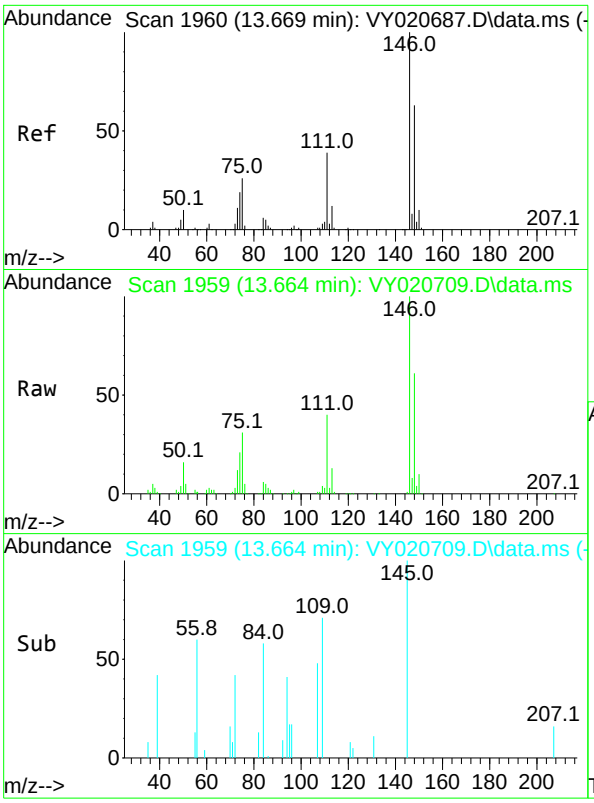


#90
Hexachloroethane
Concen: 50.005 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:117 Resp: 37154

Ion	Ratio	Lower	Upper
117	100		
201	90.9	44.9	134.7



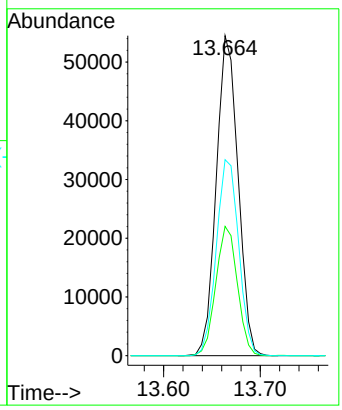


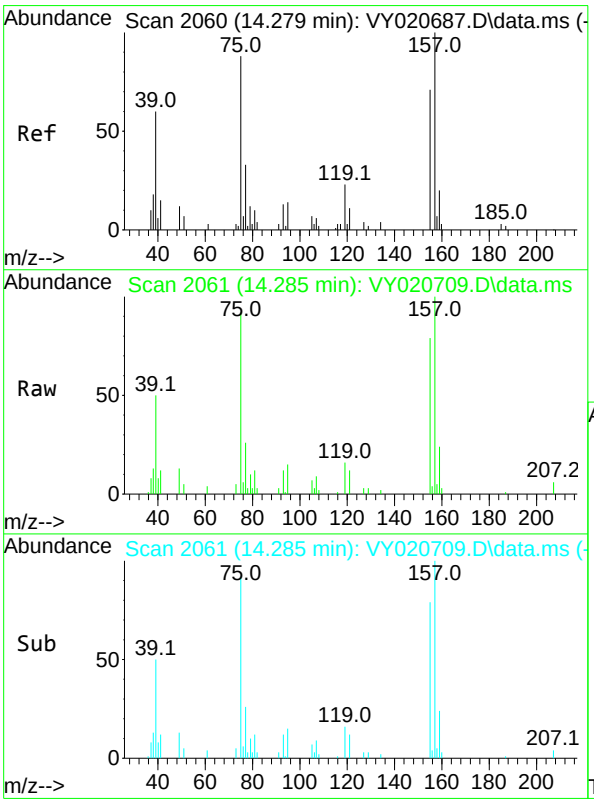
#91
1,2-Dichlorobenzene
Concen: 52.769 ug/l
RT: 13.664 min Scan# 1
Delta R.T. -0.005 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 85113

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.3	60.8
148	63.0	31.9	95.5

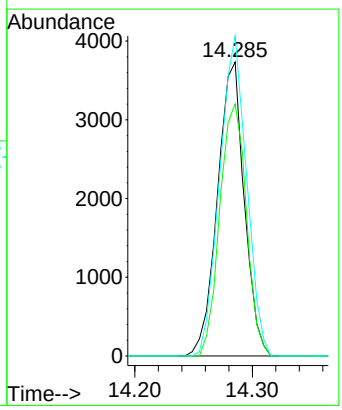


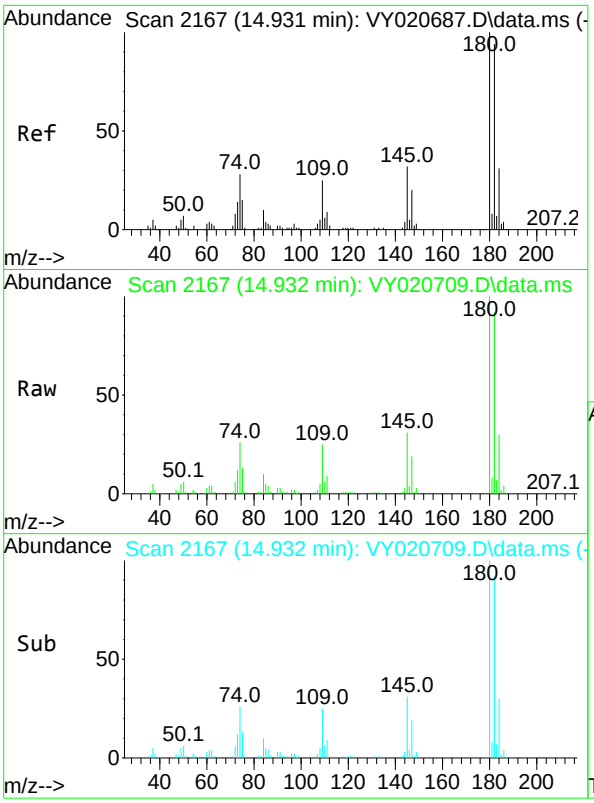


#92
1,2-Dibromo-3-Chloropropane
Concen: 56.916 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion: 75 Resp: 5917

Ion	Ratio	Lower	Upper
75	100		
155	84.8	43.4	130.2
157	109.2	58.6	175.7



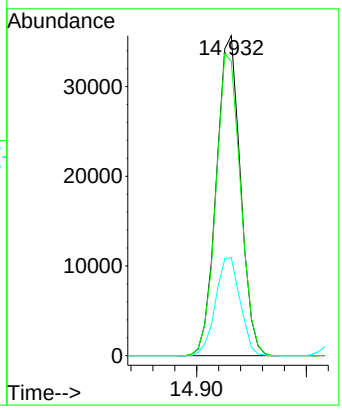


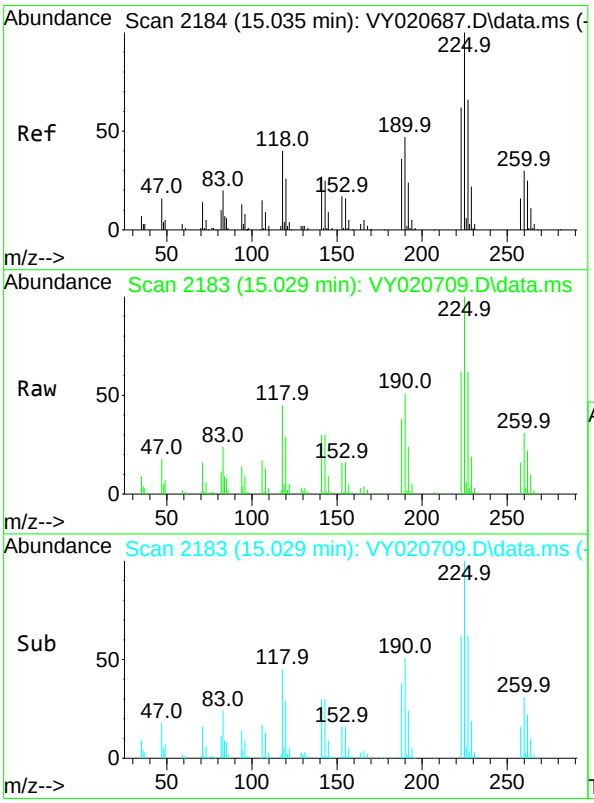
#93
1,2,4-Trichlorobenzene
Concen: 53.117 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.001 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 54457

Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.9	143.7
145	31.3	15.6	46.8

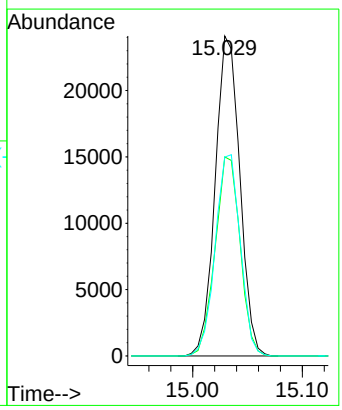


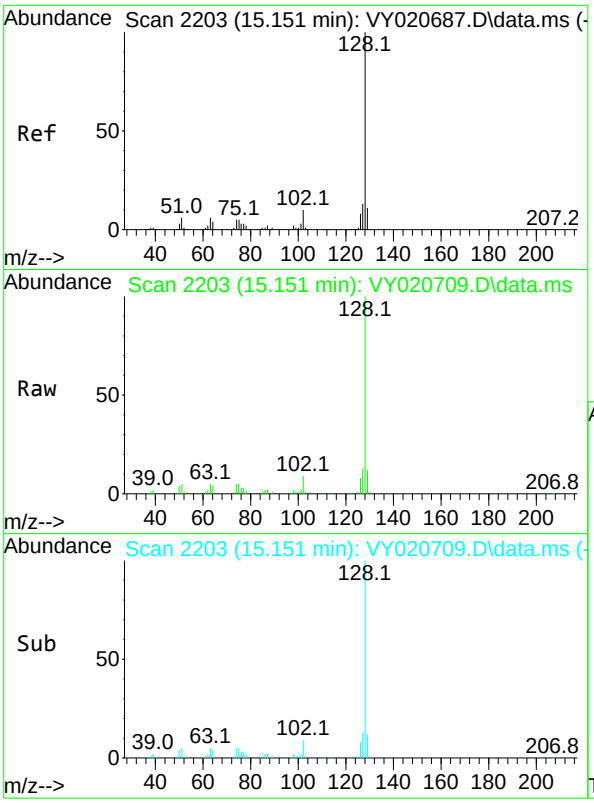


#94
Hexachlorobutadiene
Concen: 50.369 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.006 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:225 Resp: 37636

Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.3	93.8
227	63.9	32.1	96.5



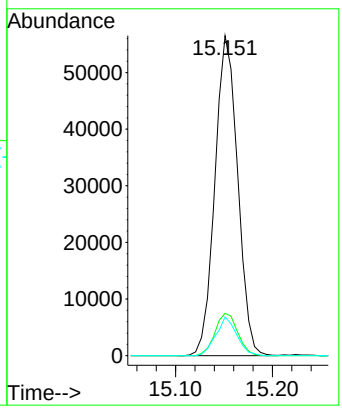


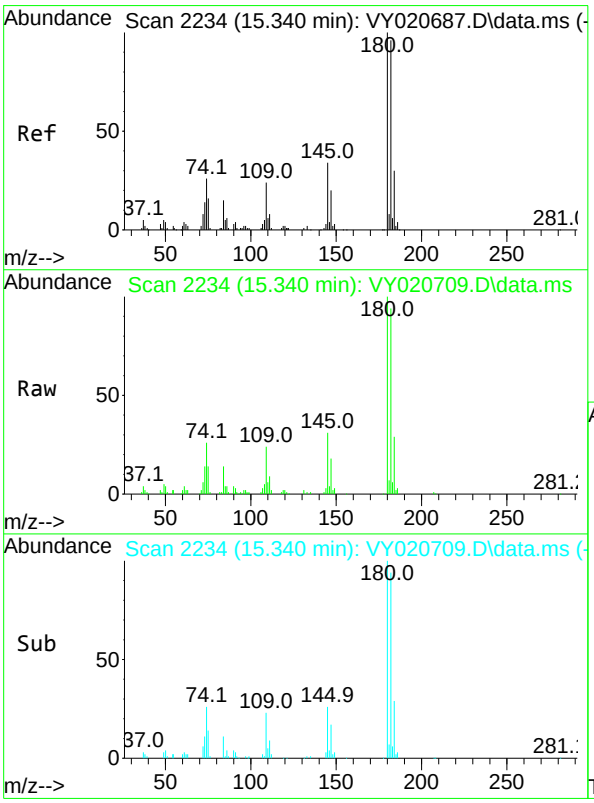
#95
Naphthalene
Concen: 56.177 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 92244

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	11.1	8.6	12.8

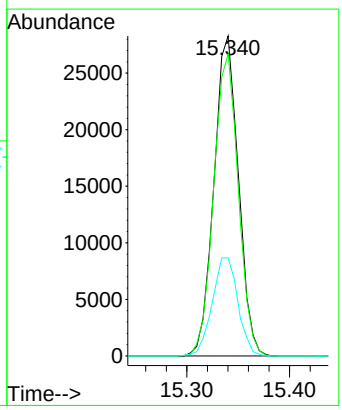




#96
1,2,3-Trichlorobenzene
Concen: 54.682 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.000 min
Lab File: VY020709.D
Acq: 26 Dec 2024 10:39

Tgt Ion:180 Resp: 46678

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.4	142.2
145	32.3	16.7	50.1



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020710.D
Acq On : 26 Dec 2024 11:01
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Dec 26 16:06:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	114988	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	158039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	137996	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	68495	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	149540	158.772	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 317.540%#			
35) Dibromofluoromethane	7.646	113	134770	154.819	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 309.640%#			
50) Toluene-d8	10.115	98	518209	146.261	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 292.520%#			
62) 4-Bromofluorobenzene	12.413	95	176701	152.741	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 305.480%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	129832	143.447	ug/l	98
3) Chloromethane	2.074	50	50886	150.751	ug/l	94
4) Vinyl Chloride	2.214	62	61386	146.779	ug/l	100
5) Bromomethane	2.598	94	46855	148.385	ug/l	93
6) Chloroethane	2.744	64	38539	153.610	ug/l	92
7) Trichlorofluoromethane	3.067	101	237769	147.839	ug/l	99
8) Diethyl Ether	3.464	74	58291	152.312	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.829	101	129702	146.898	ug/l	98
10) Methyl Iodide	4.012	142	153490	158.974	ug/l	98
11) Tert butyl alcohol	4.878	59	42318	761.366	ug/l #	78
12) 1,1-Dichloroethene	3.805	96	117146	149.063	ug/l	100
13) Acrolein	3.665	56	9943	505.005	ug/l	97
14) Allyl chloride	4.396	41	139044	151.192	ug/l	97
15) Acrylonitrile	5.073	53	112334	759.818	ug/l	99
16) Acetone	3.878	43	82039	686.613	ug/l	99
17) Carbon Disulfide	4.122	76	299085	155.142	ug/l	99
18) Methyl Acetate	4.396	43	49673	153.605	ug/l	98
19) Methyl tert-butyl Ether	5.134	73	325123	148.428	ug/l	100
20) Methylene Chloride	4.634	84	113659	146.259	ug/l	94
21) trans-1,2-Dichloroethene	5.134	96	126864	149.805	ug/l	97
22) Diisopropyl ether	6.030	45	270897	144.902	ug/l	98
23) Vinyl Acetate	5.975	43	842460	754.449	ug/l	99
24) 1,1-Dichloroethane	5.927	63	203786	145.390	ug/l	98
25) 2-Butanone	6.908	43	121750	754.322	ug/l	95
26) 2,2-Dichloropropane	6.896	77	245949	143.362	ug/l	100
27) cis-1,2-Dichloroethene	6.902	96	149023	146.943	ug/l	98
28) Bromochloromethane	7.256	49	61393	165.629	ug/l	95
29) Tetrahydrofuran	7.274	42	75734	764.431	ug/l	97
30) Chloroform	7.433	83	255843	141.892	ug/l	94
31) Cyclohexane	7.713	56	159686	131.985	ug/l	98
32) 1,1,1-Trichloroethane	7.628	97	281529	145.661	ug/l	99
36) 1,1-Dichloropropene	7.847	75	170324	148.123	ug/l	99
37) Ethyl Acetate	6.994	43	58258	153.750	ug/l	100
38) Carbon Tetrachloride	7.829	117	281225	148.522	ug/l	96
39) Methylcyclohexane	9.115	83	222062	150.669	ug/l	96
40) Benzene	8.091	78	493419	148.061	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020710.D
Acq On : 26 Dec 2024 11:01
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Dec 26 16:06:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	30977	161.841	ug/l		94
42) 1,2-Dichloroethane	8.170	62	162177	151.768	ug/l		99
43) Isopropyl Acetate	8.207	43	125433	155.741	ug/l		98
44) Trichloroethene	8.871	130	146621	147.303	ug/l		93
45) 1,2-Dichloropropane	9.146	63	96524	143.087	ug/l		95
46) Dibromomethane	9.237	93	70177	150.351	ug/l		99
47) Bromodichloromethane	9.432	83	197163	148.994	ug/l		93
48) Methyl methacrylate	9.225	41	57813	153.712	ug/l		99
49) 1,4-Dioxane	9.237	88	14810	3331.078	ug/l		98
51) 4-Methyl-2-Pentanone	10.005	43	297779	766.010	ug/l		100
52) Toluene	10.176	92	342599	149.994	ug/l		100
53) t-1,3-Dichloropropene	10.401	75	180957	155.696	ug/l		98
54) cis-1,3-Dichloropropene	9.865	75	194591	152.747	ug/l		97
55) 1,1,2-Trichloroethane	10.578	97	89814	150.745	ug/l		97
56) Ethyl methacrylate	10.444	69	125990	160.965	ug/l		99
57) 1,3-Dichloropropane	10.725	76	147770	152.813	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.719	63	227376	833.052	ug/l		99
59) 2-Hexanone	10.767	43	205596	801.023	ug/l		99
60) Dibromochloromethane	10.920	129	146356	152.023	ug/l		99
61) 1,2-Dibromoethane	11.023	107	87182	155.511	ug/l		99
64) Tetrachloroethene	10.651	164	139334	147.787	ug/l		97
65) Chlorobenzene	11.450	112	390317	144.451	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.523	131	151401	144.626	ug/l		99
67) Ethyl Benzene	11.523	91	696321	147.444	ug/l		99
68) m/p-Xylenes	11.633	106	532697	295.699	ug/l		100
69) o-Xylene	11.962	106	249576	145.003	ug/l		98
70) Styrene	11.974	104	422920	146.372	ug/l		100
71) Bromoform	12.139	173	90423	150.242	ug/l	#	100
73) Isopropylbenzene	12.261	105	699104	147.320	ug/l		100
74) N-amyl acetate	12.078	43	110622	164.040	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	92629	152.263	ug/l		99
76) 1,2,3-Trichloropropane	12.566	75	136207	252.099	ug/l	#	100
77) Bromobenzene	12.541	156	163665	149.824	ug/l		98
78) n-propylbenzene	12.602	91	775459	145.797	ug/l		99
79) 2-Chlorotoluene	12.688	91	447942	147.735	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	577812	146.144	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	33964	154.104	ug/l		97
82) 4-Chlorotoluene	12.785	91	460319	146.900	ug/l		99
83) tert-Butylbenzene	13.005	119	540775	146.461	ug/l		99
84) 1,2,4-Trimethylbenzene	13.047	105	570579	148.302	ug/l		99
85) sec-Butylbenzene	13.181	105	727401	146.177	ug/l		99
86) p-Isopropyltoluene	13.297	119	651978	147.017	ug/l		99
87) 1,3-Dichlorobenzene	13.297	146	314188	147.160	ug/l		98
88) 1,4-Dichlorobenzene	13.377	146	308690	145.345	ug/l		98
89) n-Butylbenzene	13.627	91	551311	148.927	ug/l		100
90) Hexachloroethane	13.889	117	125073	148.318	ug/l		97
91) 1,2-Dichlorobenzene	13.663	146	272976	149.118	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	18575	157.429	ug/l		97
93) 1,2,4-Trichlorobenzene	14.931	180	194628	167.268	ug/l		99
94) Hexachlorobutadiene	15.029	225	130414	153.785	ug/l		99
95) Naphthalene	15.151	128	329555	176.838	ug/l		100
96) 1,2,3-Trichlorobenzene	15.340	180	163465	168.727	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020710.D
Acq On : 26 Dec 2024 11:01
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Dec 26 16:06:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

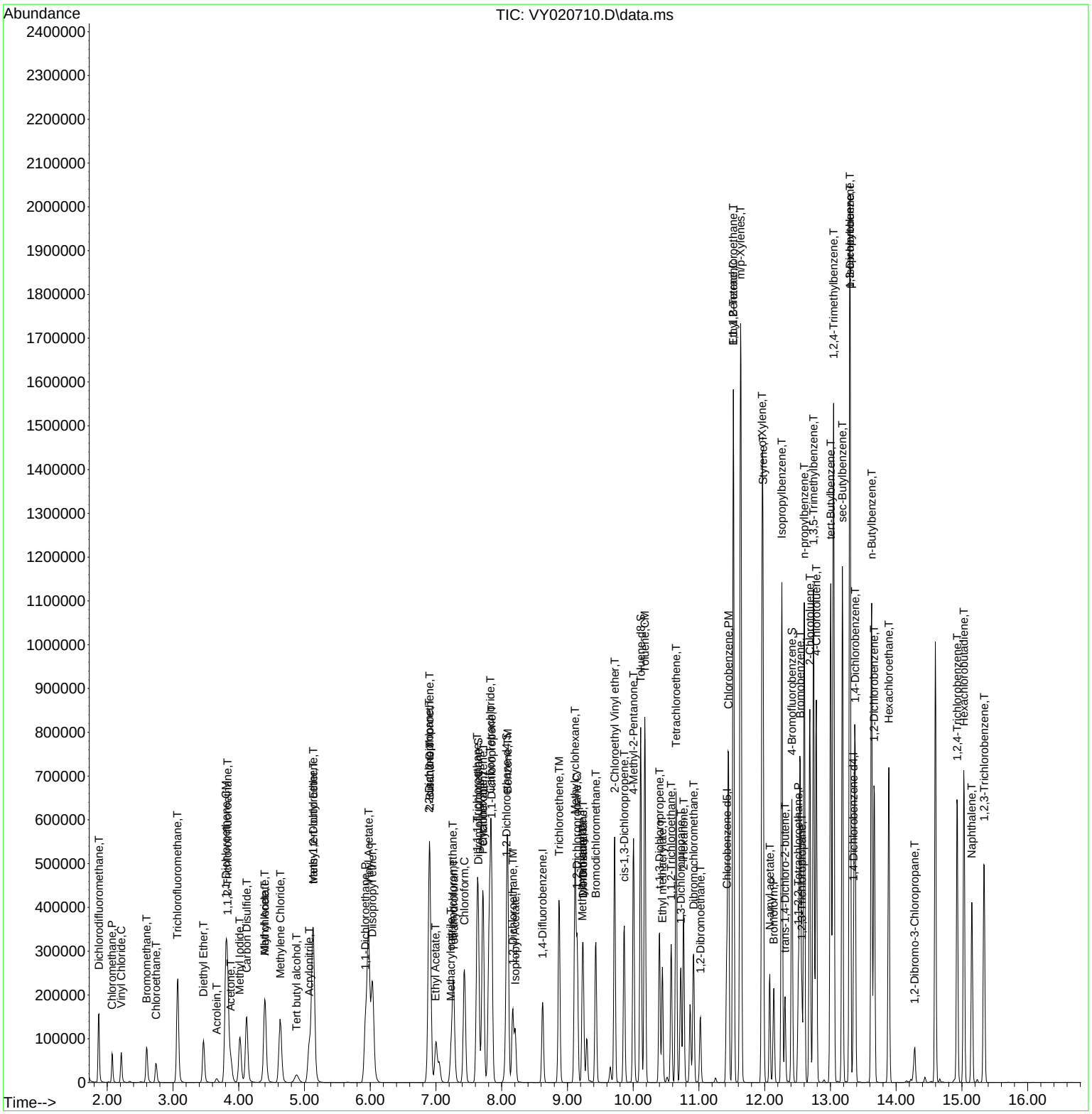
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

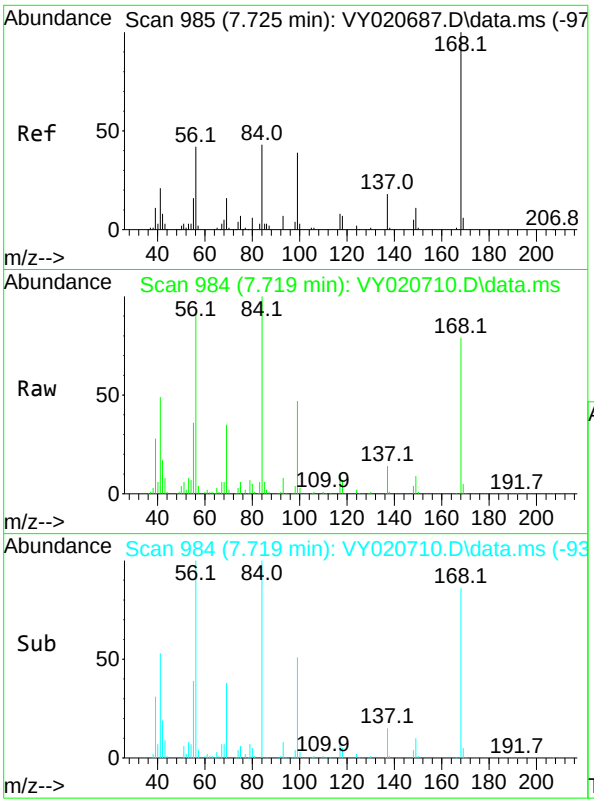
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020710.D
Acq On : 26 Dec 2024 11:01
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Dec 26 16:06:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration



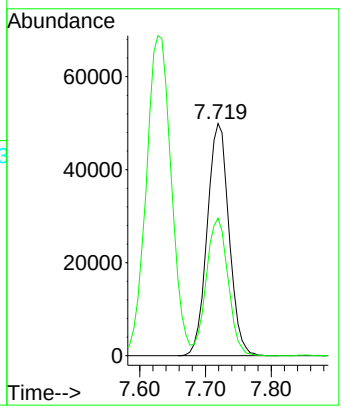


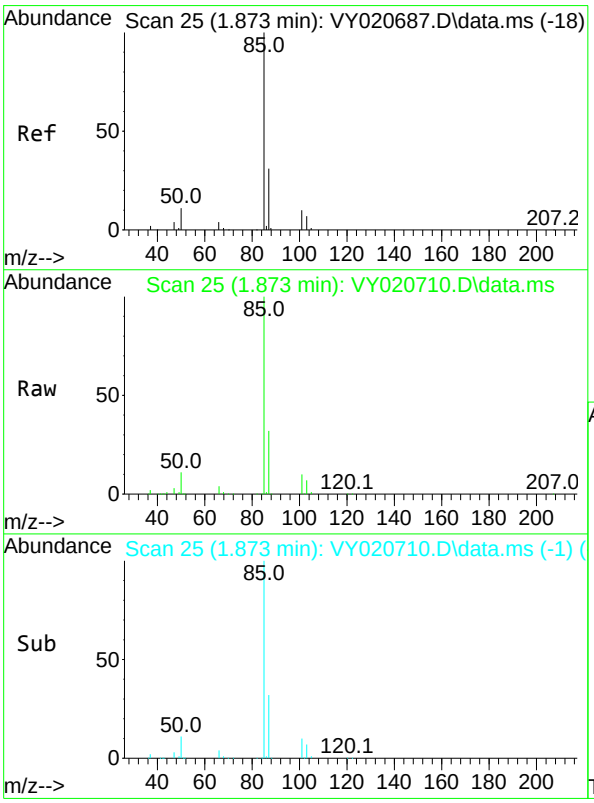
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 114988

Ion	Ratio	Lower	Upper
168	100		
99	59.2	43.8	65.6

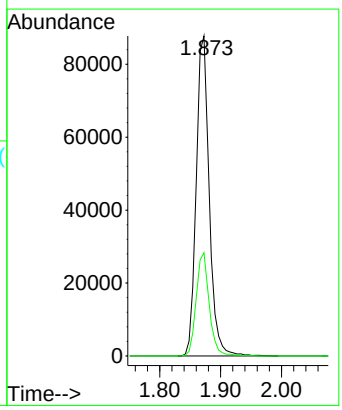


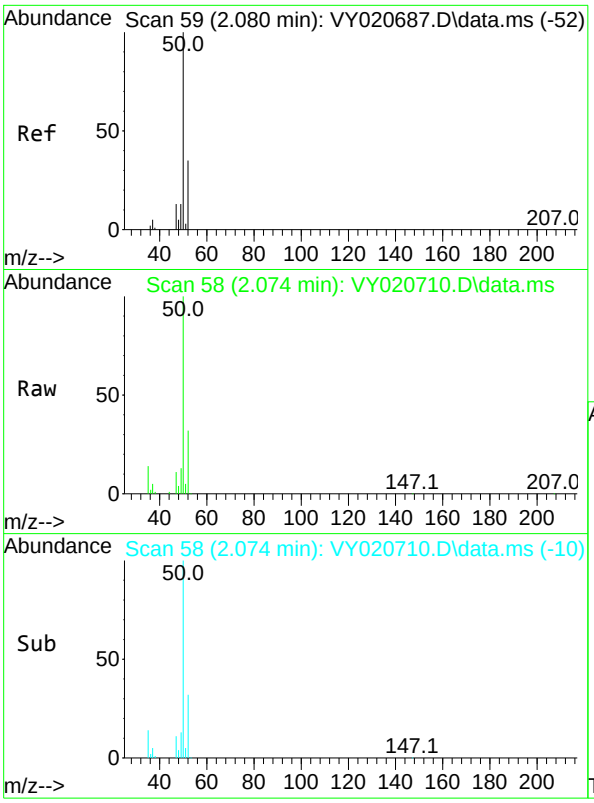


#2
Dichlorodifluoromethane
Concen: 143.447 ug/l
RT: 1.873 min Scan# 25
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 85 Resp: 129832

Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.4	46.4



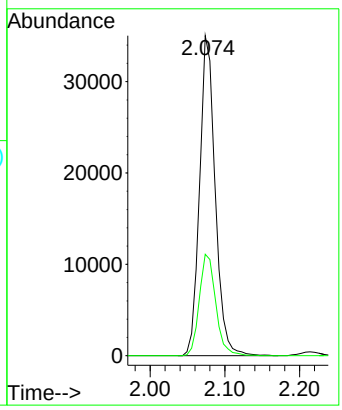


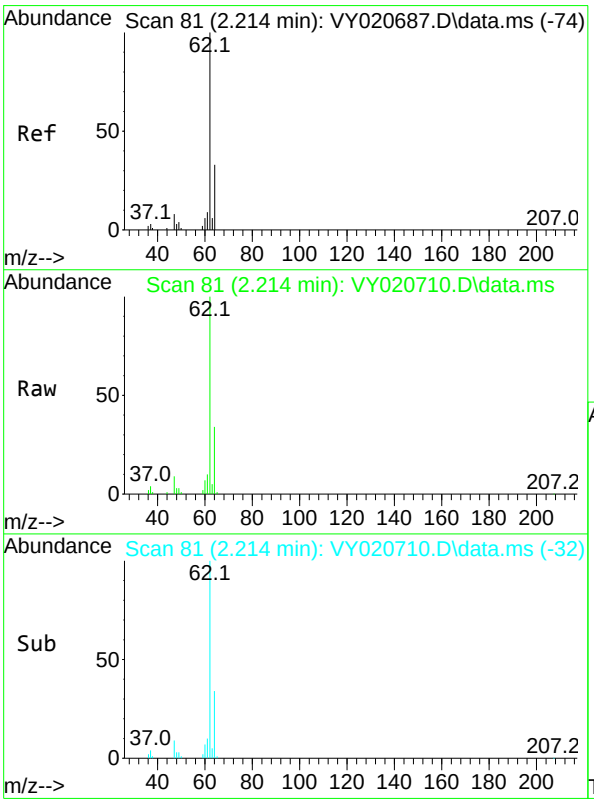
#3
Chloromethane
Concen: 150.751 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 50886

Ion	Ratio	Lower	Upper
50	100		
52	31.7	28.2	42.2

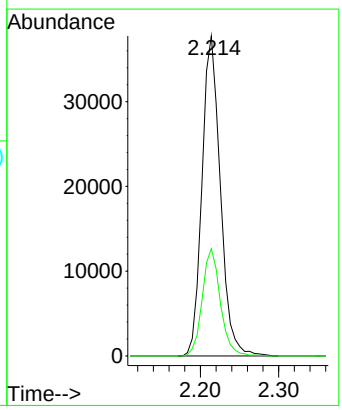


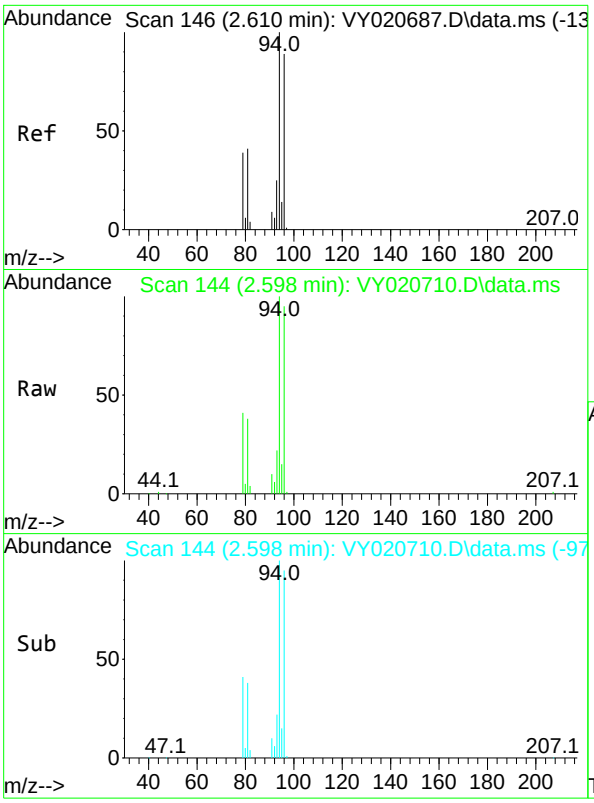


#4
Vinyl Chloride
Concen: 146.779 ug/l
RT: 2.214 min Scan# 81
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 62 Resp: 61386

Ion	Ratio	Lower	Upper
62	100		
64	33.6	26.6	40.0



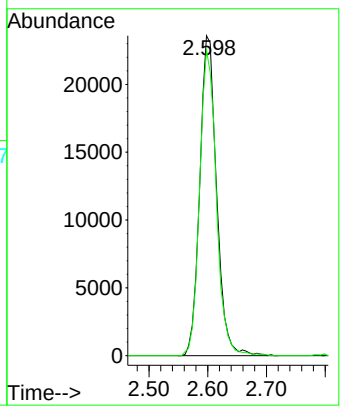


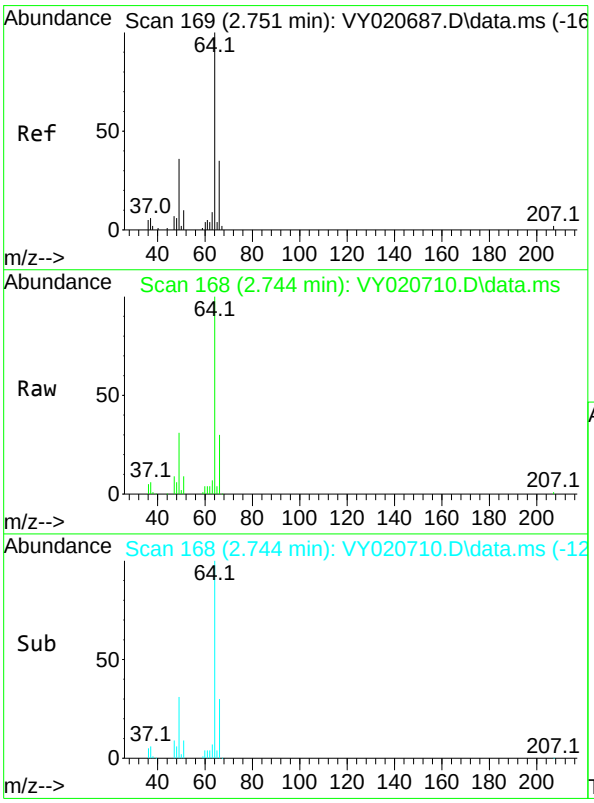
#5
Bromomethane
Concen: 148.385 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 46855

Ion	Ratio	Lower	Upper
94	100		
96	95.4	71.0	106.6

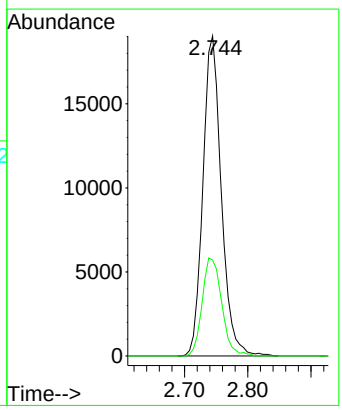


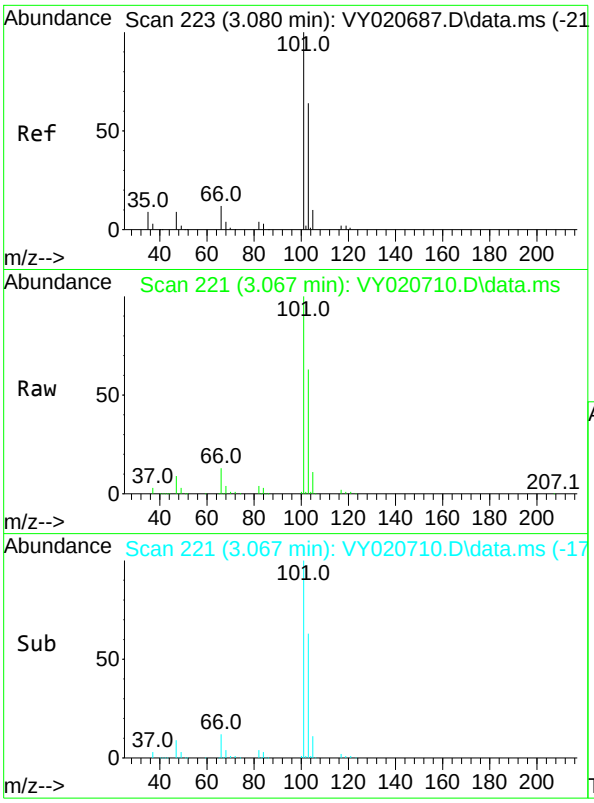


#6
Chloroethane
Concen: 153.610 ug/l
RT: 2.744 min Scan# 168
Delta R.T. -0.007 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 64 Resp: 38539

Ion	Ratio	Lower	Upper
64	100		
66	30.0	27.8	41.8



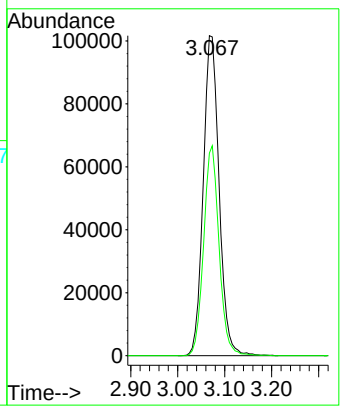


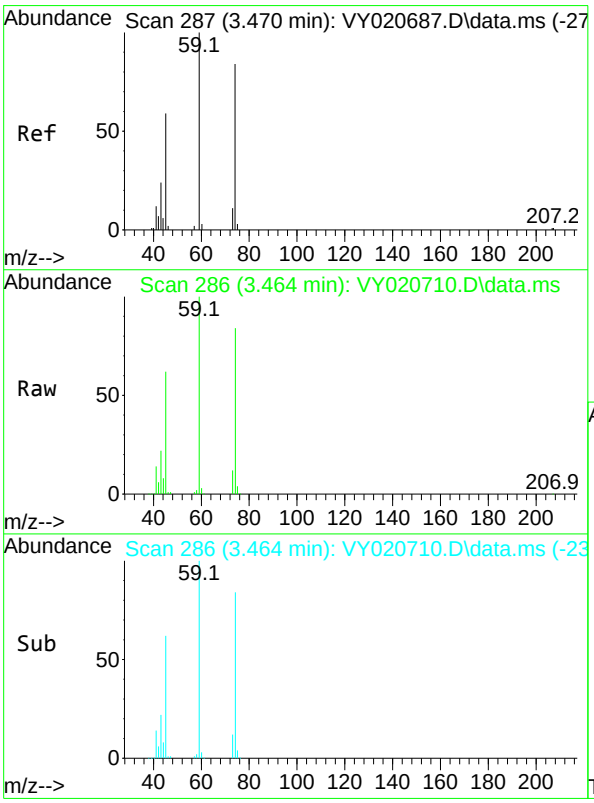
#7
Trichlorofluoromethane
Concen: 147.839 ug/l
RT: 3.067 min Scan# 2
Delta R.T. -0.013 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 237769

Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.4	77.0

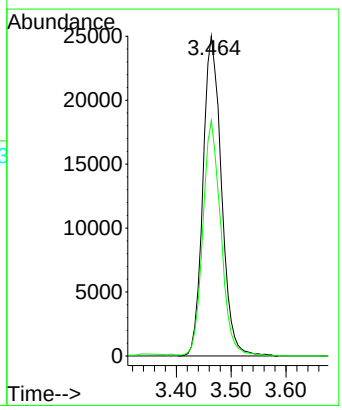


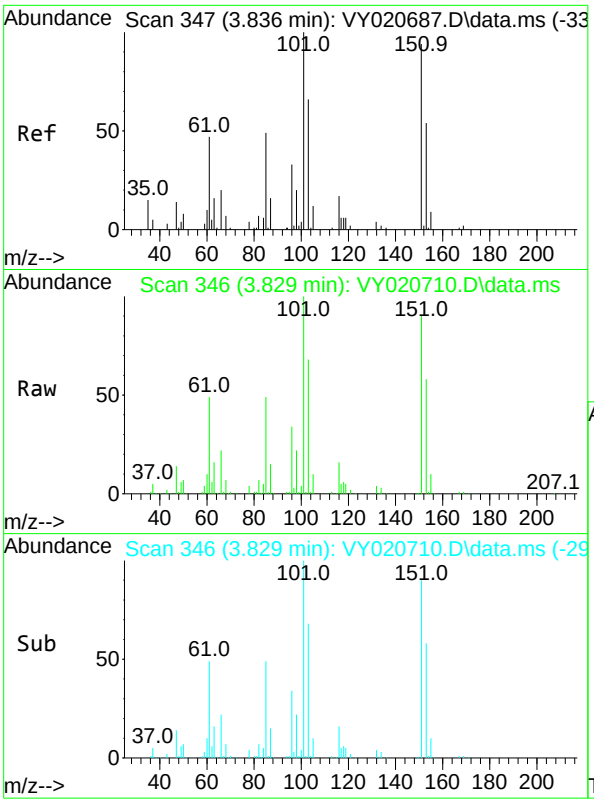


#8
Diethyl Ether
Concen: 152.312 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 74 Resp: 58291

Ion	Ratio	Lower	Upper
74	100		
45	72.1	35.8	107.4



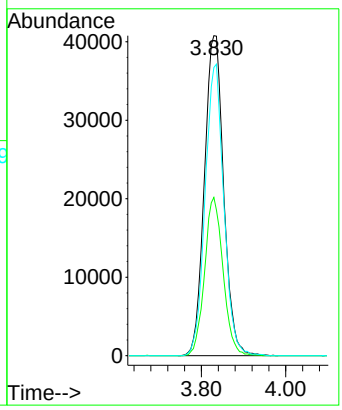


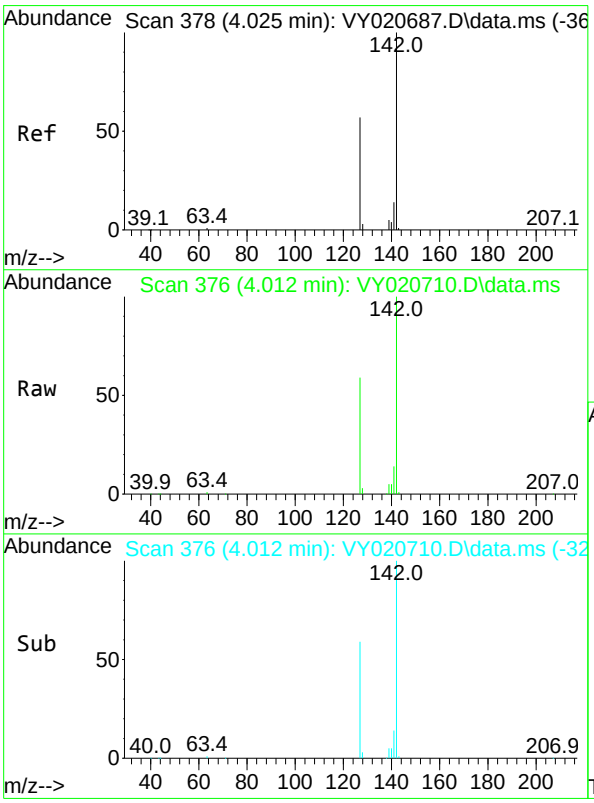
#9
1,1,2-Trichlorotrifluoroethane
Concen: 146.898 ug/l
RT: 3.829 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 129702

Ion	Ratio	Lower	Upper
101	100		
85	47.4	38.2	57.2
151	88.1	68.4	102.6

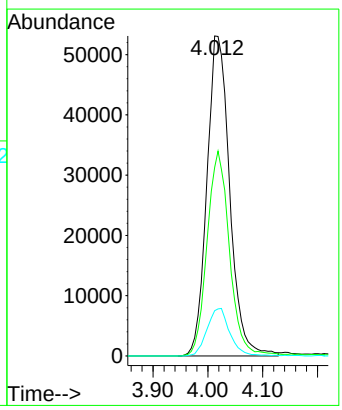


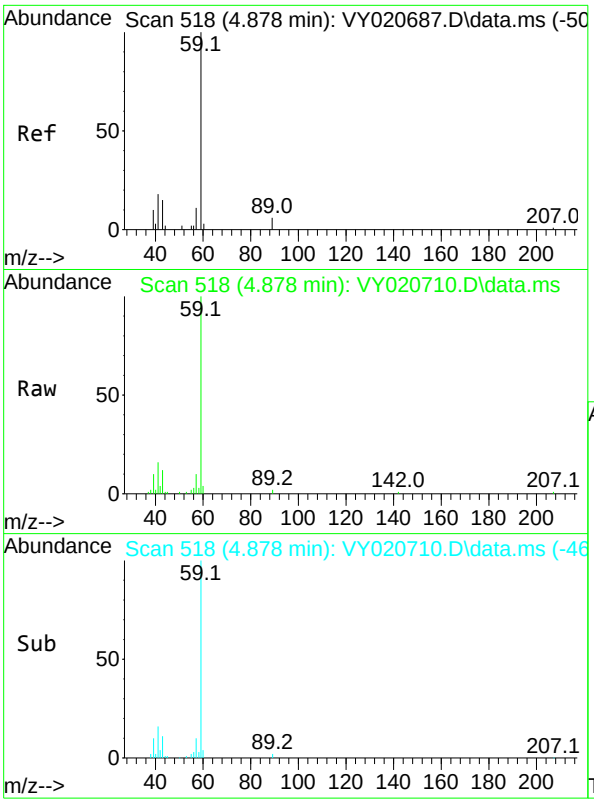


#10
Methyl Iodide
Concen: 158.974 ug/l
RT: 4.012 min Scan# 376
Delta R.T. -0.013 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:142 Resp: 153490

Ion	Ratio	Lower	Upper
142	100		
127	62.9	48.8	73.2
141	14.9	11.9	17.9



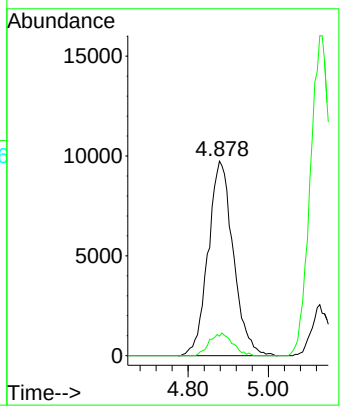


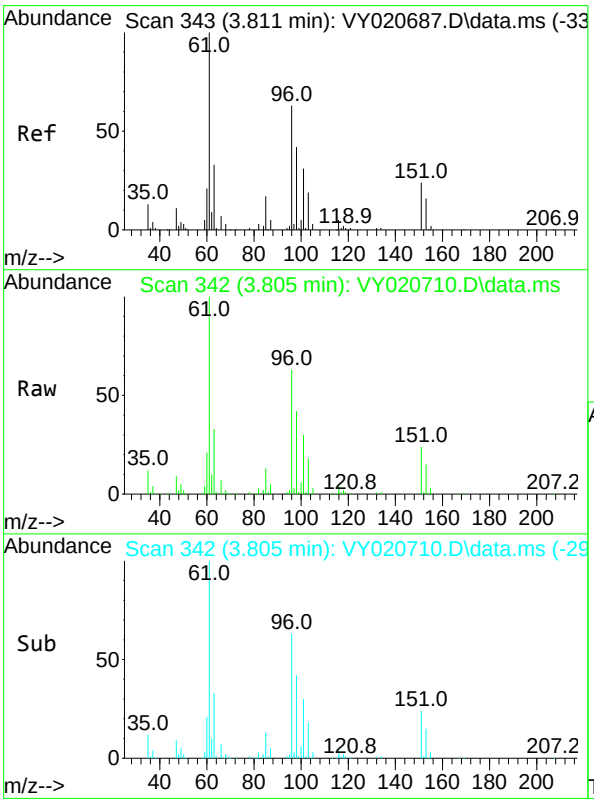
#11
Tert butyl alcohol
Concen: 761.366 ug/l
RT: 4.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 42318

Ion	Ratio	Lower	Upper
59	100		
57	10.7	2.8	4.2#

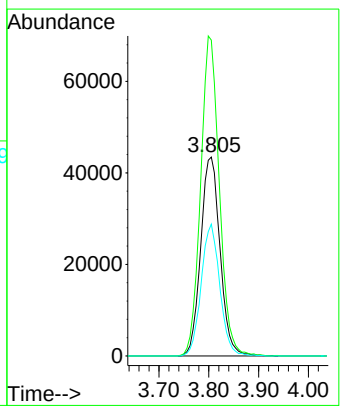


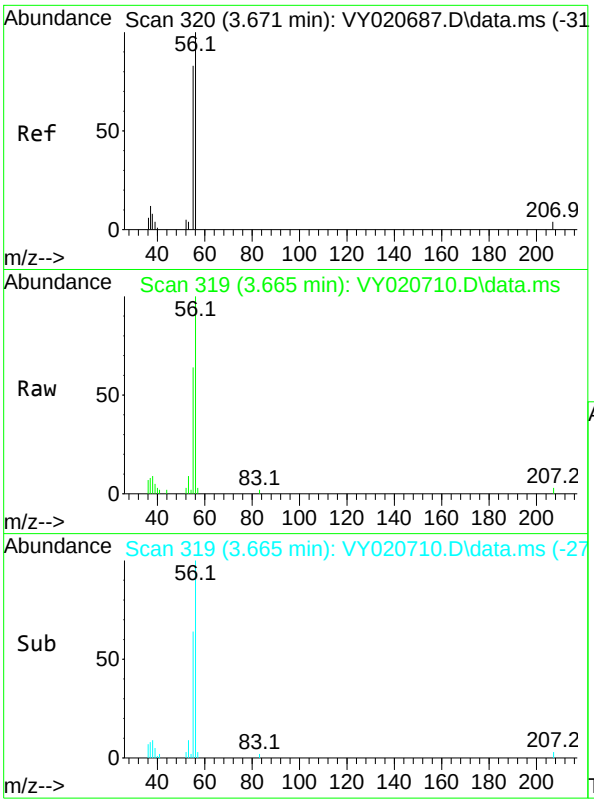


#12
1,1-Dichloroethene
Concen: 149.063 ug/l
RT: 3.805 min Scan# 342
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 96 Resp: 117146

Ion	Ratio	Lower	Upper
96	100		
61	158.6	127.1	190.7
98	66.3	53.4	80.0



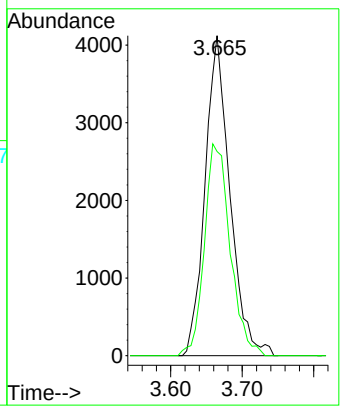


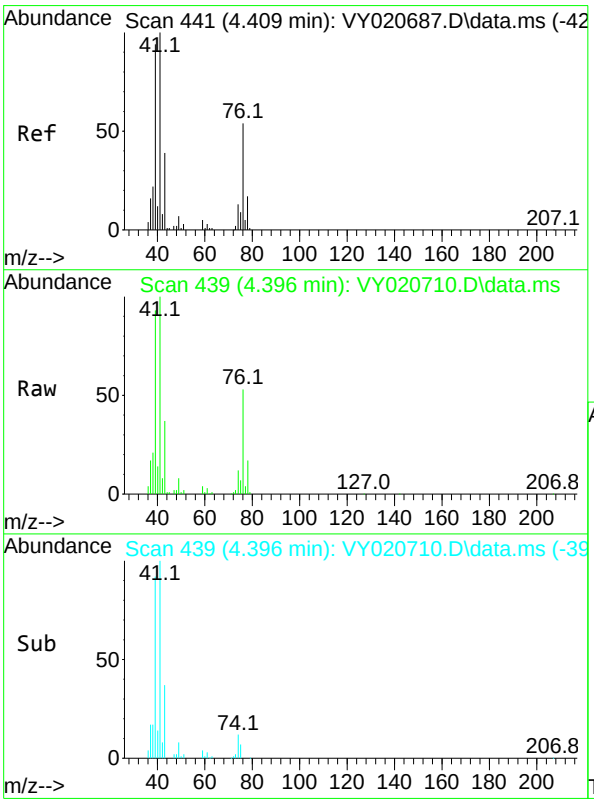
#13
Acrolein
Concen: 505.005 ug/l
RT: 3.665 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 9943

Ion	Ratio	Lower	Upper
56	100		
55	68.5	57.0	85.4

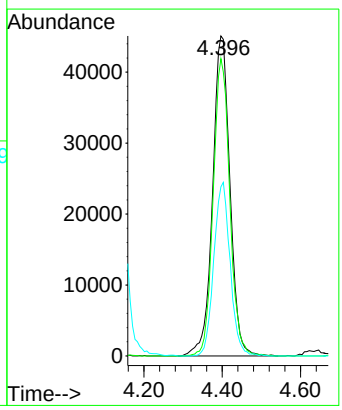


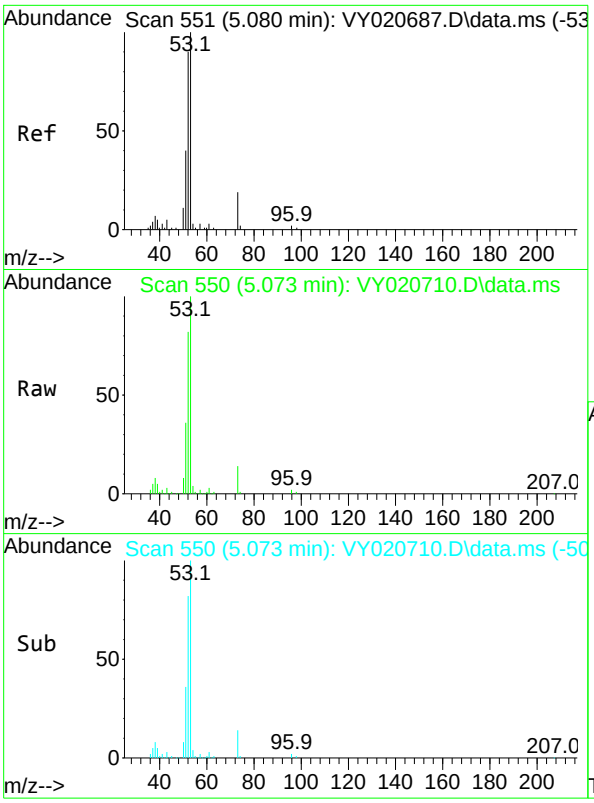


#14
Allyl chloride
Concen: 151.192 ug/l
RT: 4.396 min Scan# 439
Delta R.T. -0.013 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 41 Resp: 139044

Ion	Ratio	Lower	Upper
41	100		
39	88.7	73.5	110.3
76	51.0	41.8	62.8



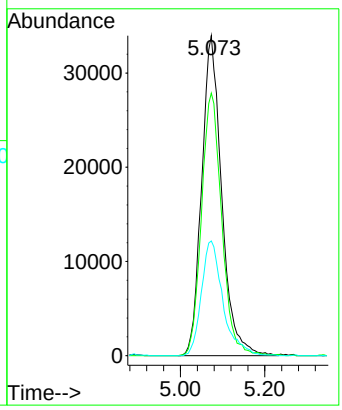


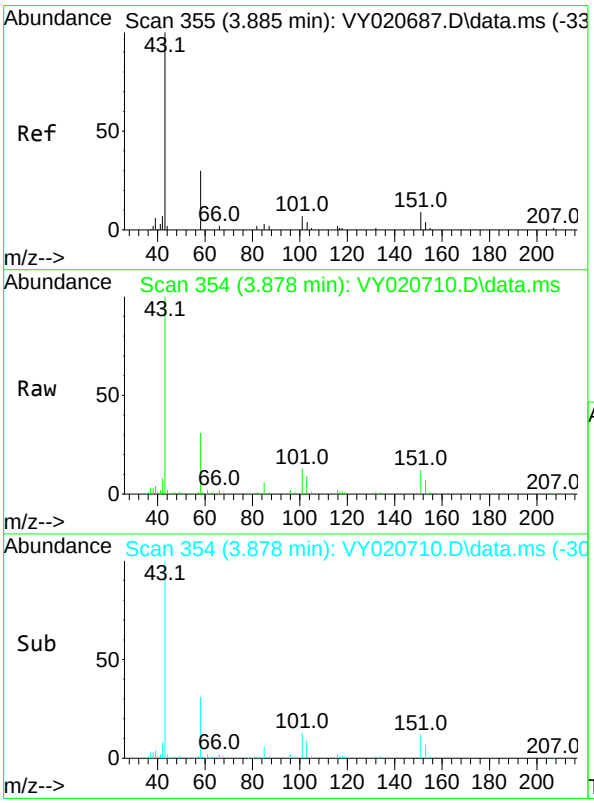
#15
Acrylonitrile
Concen: 759.818 ug/l
RT: 5.073 min Scan# 5
Delta R.T. -0.007 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 112334

Ion	Ratio	Lower	Upper
53	100		
52	82.7	67.1	100.7
51	38.7	31.4	47.0

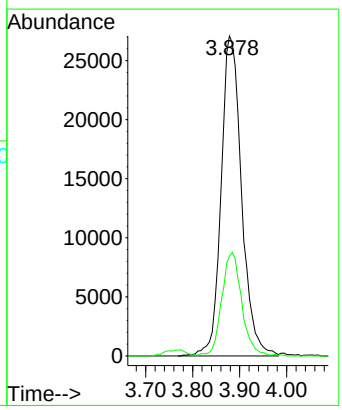


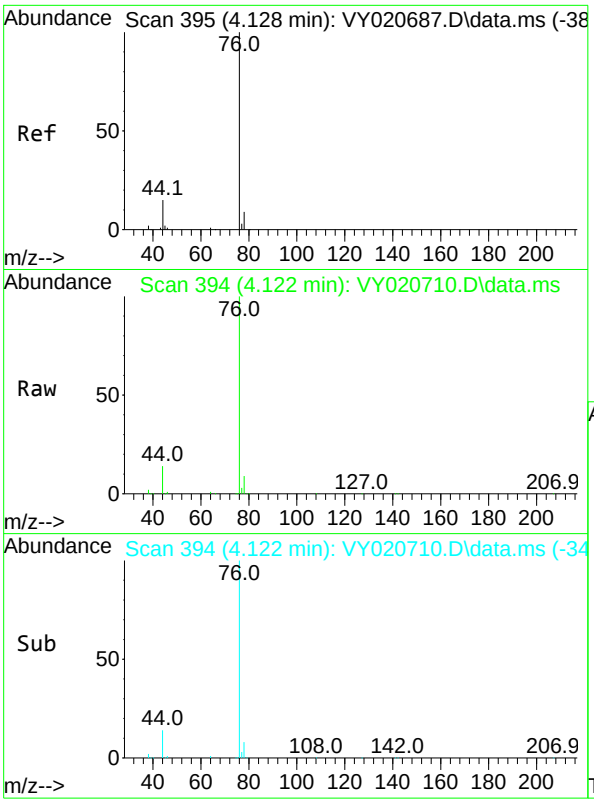


#16
Acetone
Concen: 686.613 ug/l
RT: 3.878 min Scan# 354
Delta R.T. -0.007 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 43 Resp: 82039

Ion	Ratio	Lower	Upper
43	100		
58	31.0	25.0	37.6



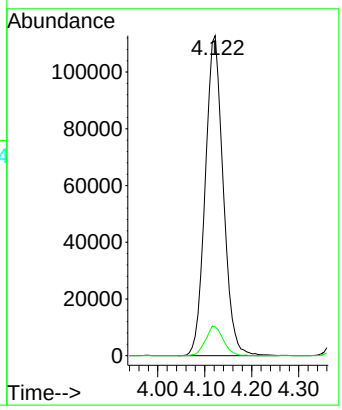


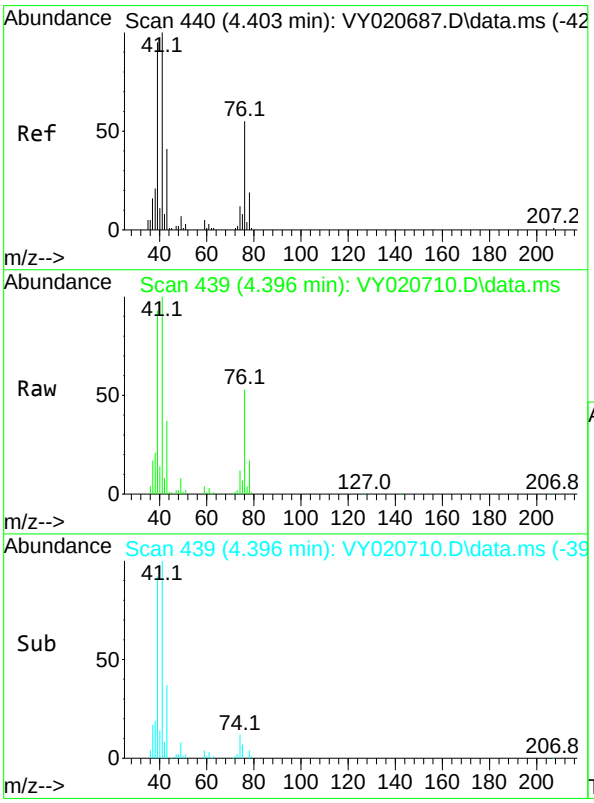
#17
Carbon Disulfide
Concen: 155.142 ug/l
RT: 4.122 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 299085

Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.9	10.3

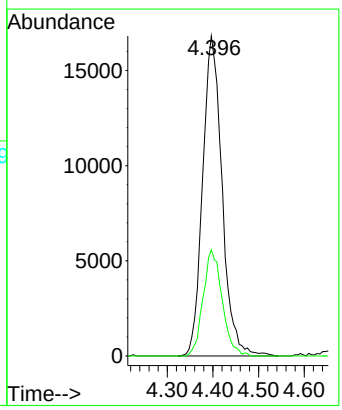


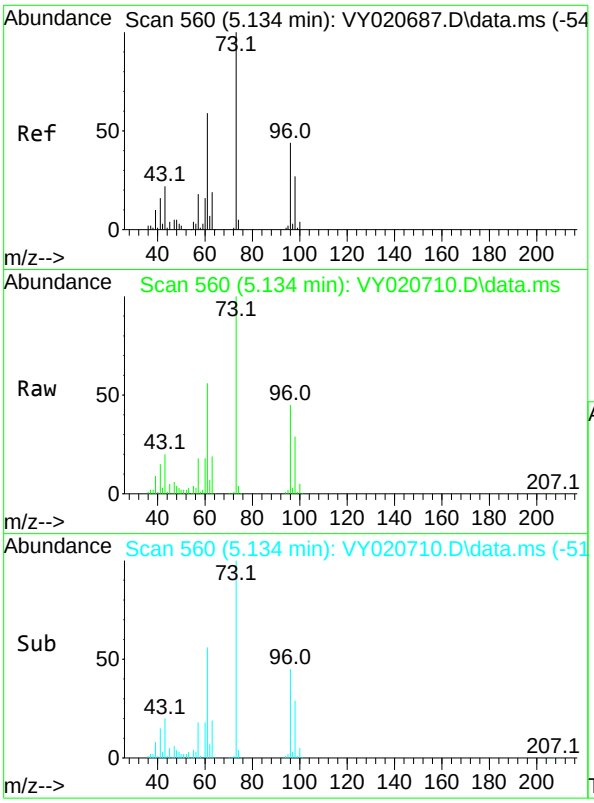


#18
Methyl Acetate
Concen: 153.605 ug/l
RT: 4.396 min Scan# 439
Delta R.T. -0.007 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 43 Resp: 49673

Ion	Ratio	Lower	Upper
43	100		
74	32.4	25.3	37.9



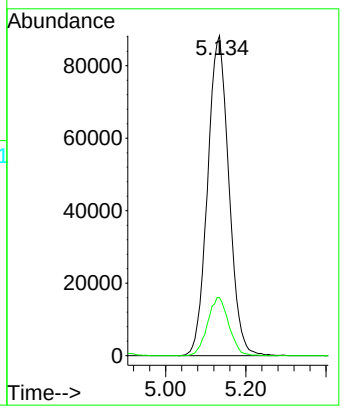


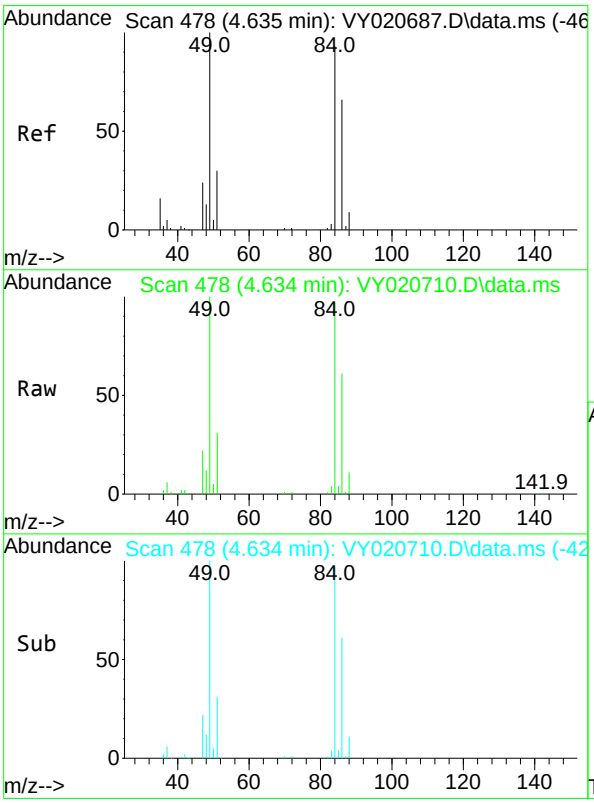
#19
Methyl tert-butyl Ether
Concen: 148.428 ug/l
RT: 5.134 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 325123

Ion	Ratio	Lower	Upper
73	100		
57	18.1	14.4	21.6

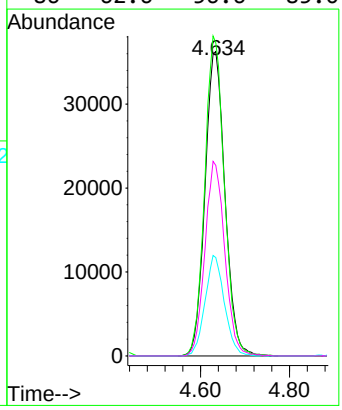


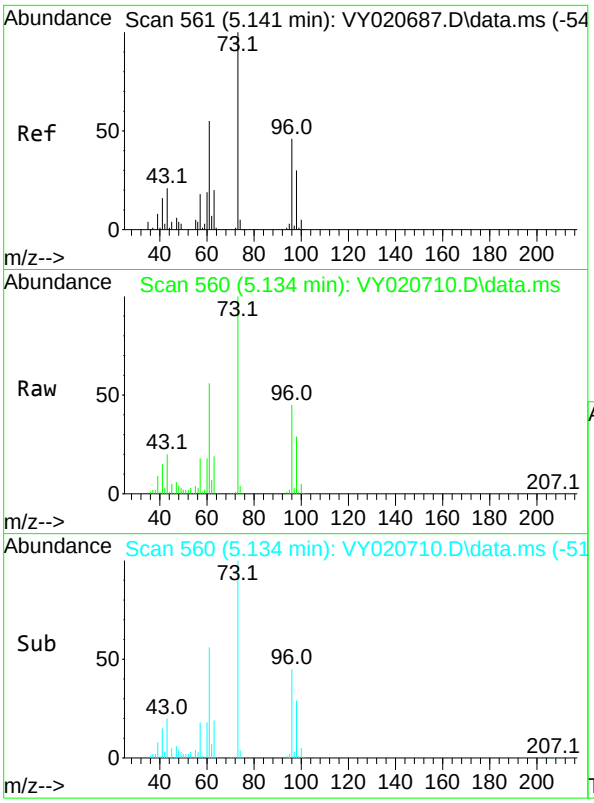


#20
Methylene Chloride
Concen: 146.259 ug/l
RT: 4.634 min Scan# 478
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 84 Resp: 113659

Ion	Ratio	Lower	Upper
84	100		
49	102.8	86.4	129.6
51	32.3	25.5	38.3
86	62.6	56.6	85.0



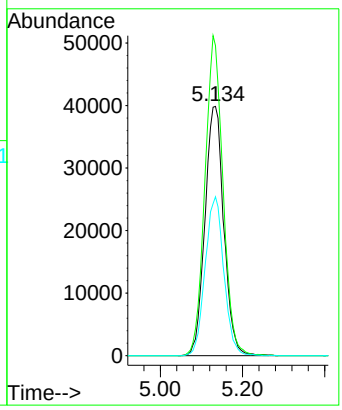


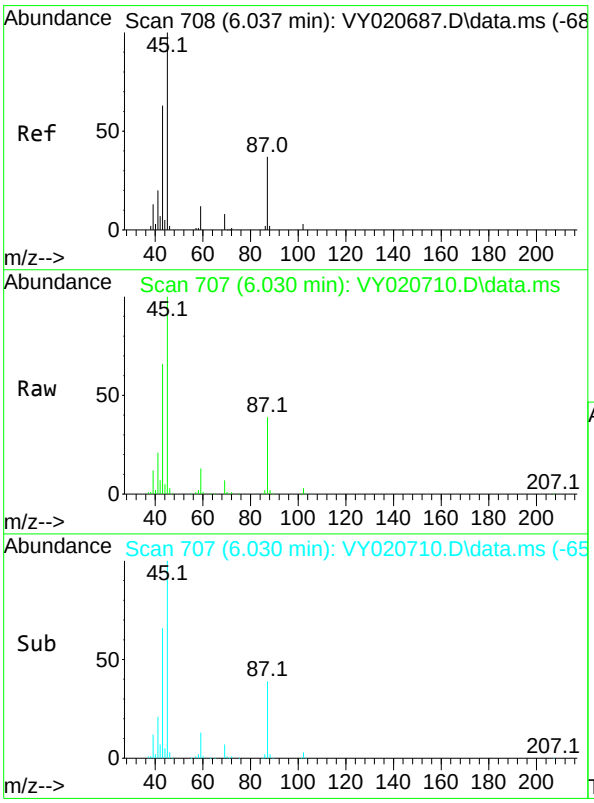
#21
trans-1,2-Dichloroethene
Concen: 149.805 ug/l
RT: 5.134 min Scan# 5
Delta R.T. -0.007 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 126864

Ion	Ratio	Lower	Upper
96	100		
61	124.4	96.1	144.1
98	63.7	52.7	79.1

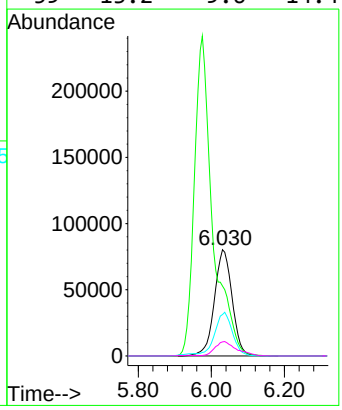


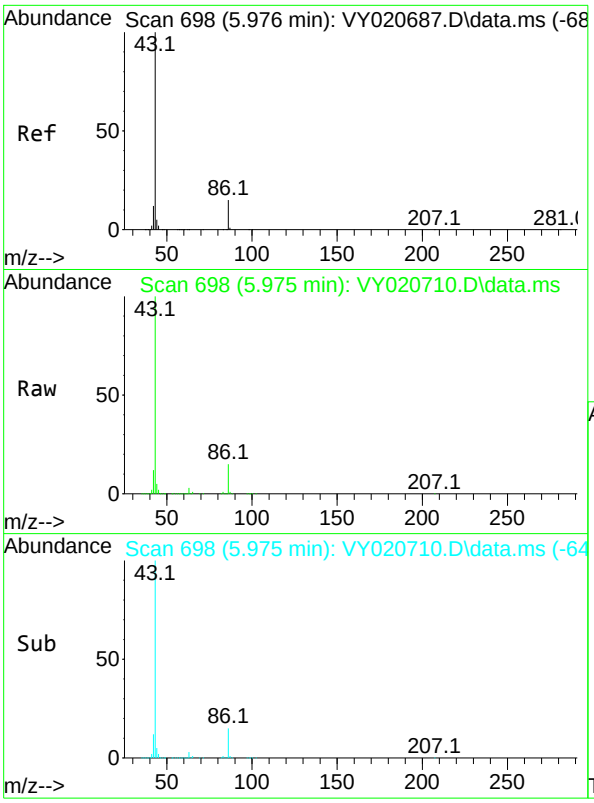


#22
Diisopropyl ether
Concen: 144.902 ug/l
RT: 6.030 min Scan# 707
Delta R.T. -0.007 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 45 Resp: 270897

Ion	Ratio	Lower	Upper
45	100		
43	65.6	51.3	76.9
87	39.1	30.6	46.0
59	13.2	9.6	14.4



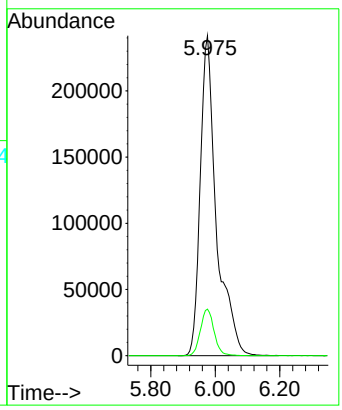


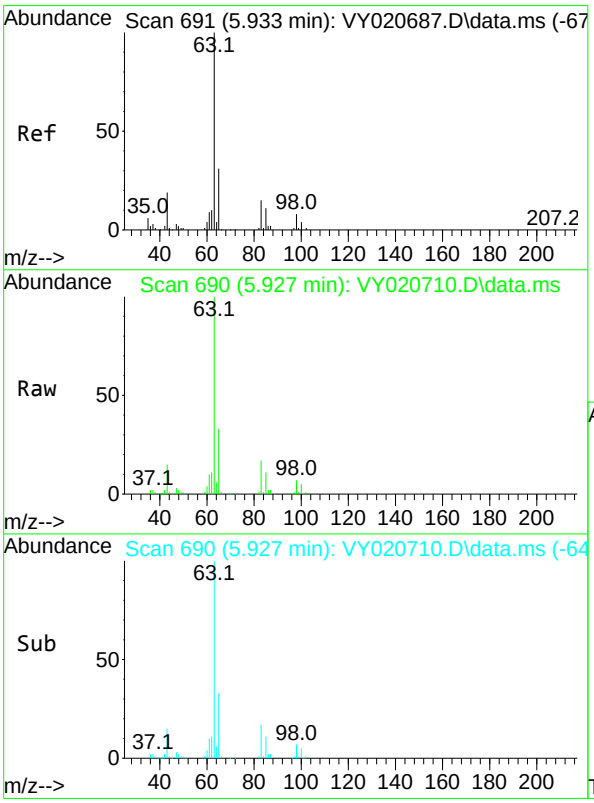
#23
Vinyl Acetate
Concen: 754.449 ug/l
RT: 5.975 min Scan# 6
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 842460

Ion	Ratio	Lower	Upper
43	100		
86	14.6	12.0	18.0

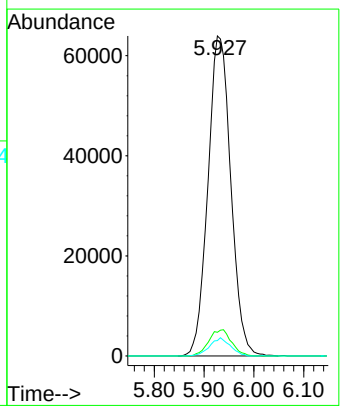


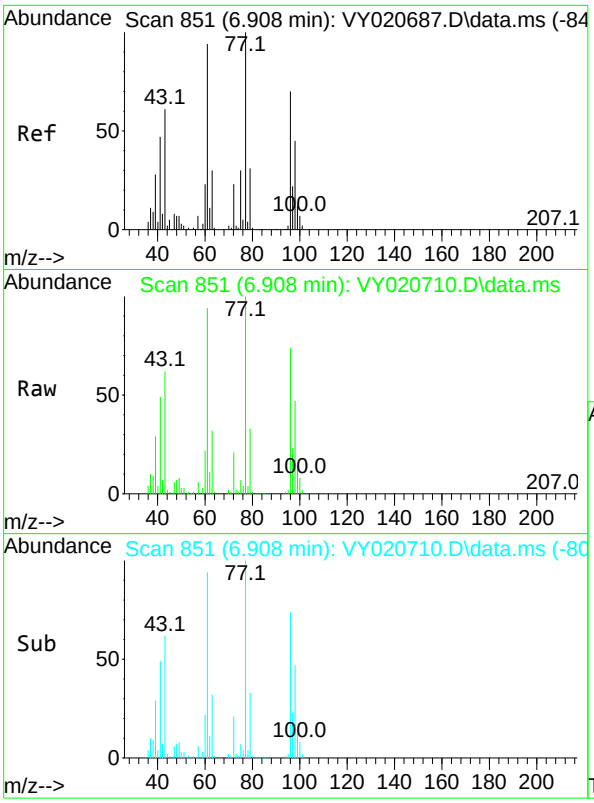


#24
1,1-Dichloroethane
Concen: 145.390 ug/l
RT: 5.927 min Scan# 690
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 63 Resp: 203786

Ion	Ratio	Lower	Upper
63	100		
98	7.4	4.0	12.0
100	4.8	2.1	6.2



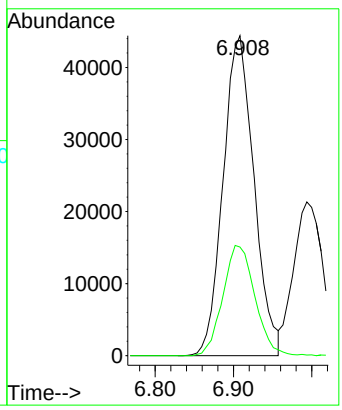


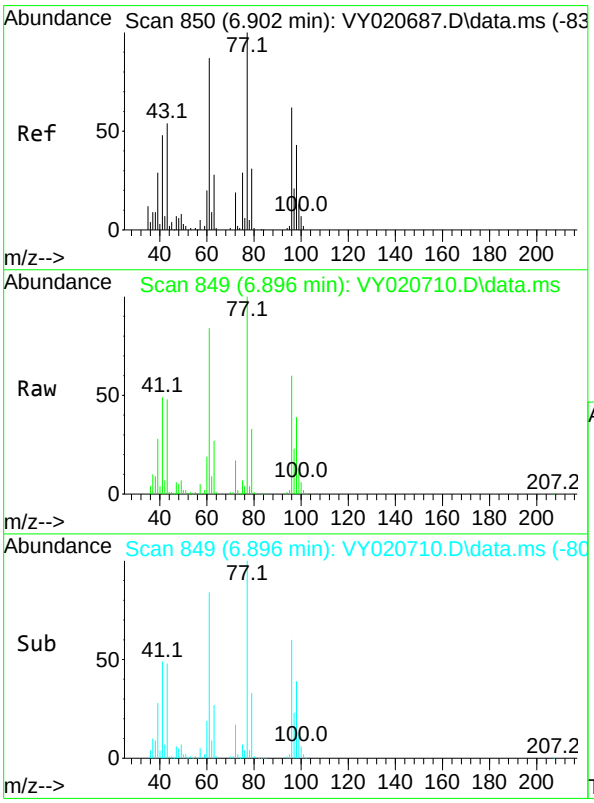
#25
2-Butanone
Concen: 754.322 ug/l
RT: 6.908 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 121750

Ion	Ratio	Lower	Upper
43	100		
72	34.0	29.5	44.3

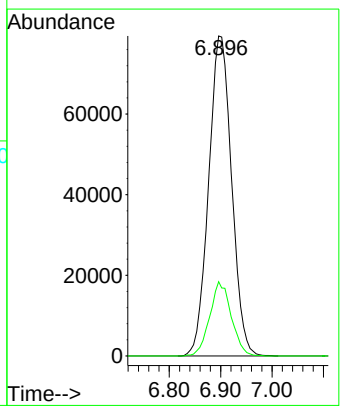


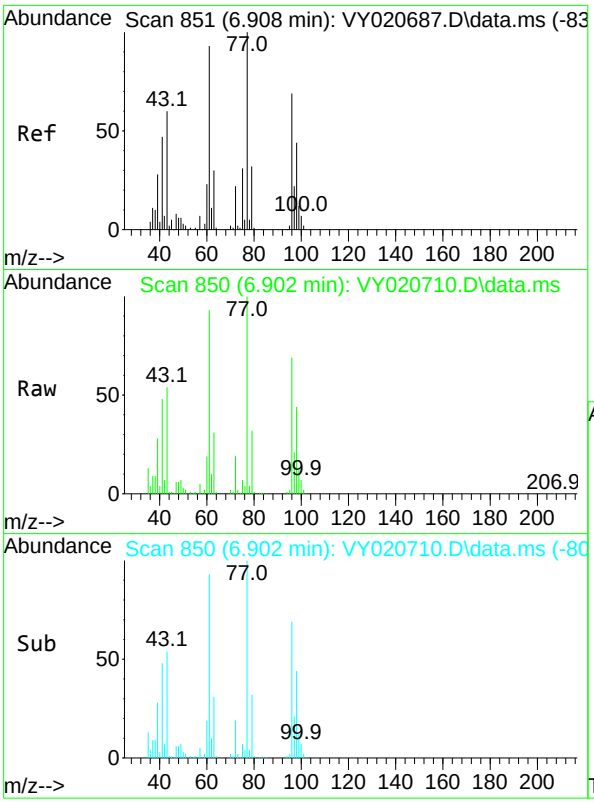


#26
2,2-Dichloropropane
Concen: 143.362 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 77 Resp: 245949

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.8	32.4



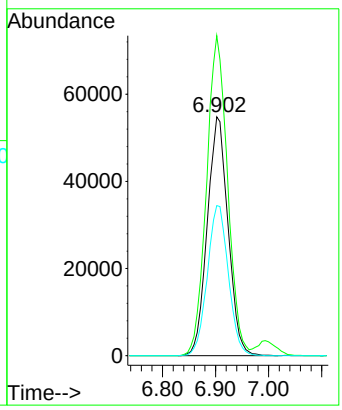


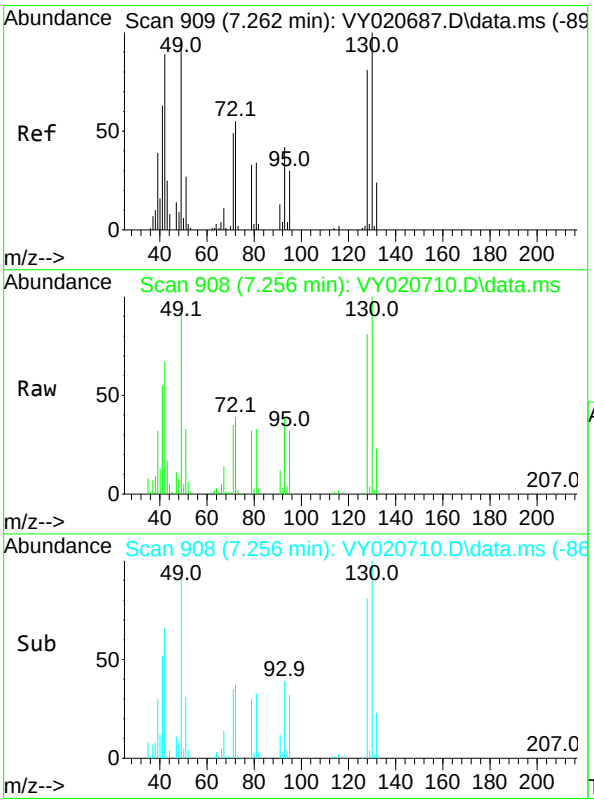
#27
cis-1,2-Dichloroethene
Concen: 146.943 ug/l
RT: 6.902 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 149023

Ion	Ratio	Lower	Upper
96	100		
61	135.7	0.0	277.2
98	63.8	0.0	131.0

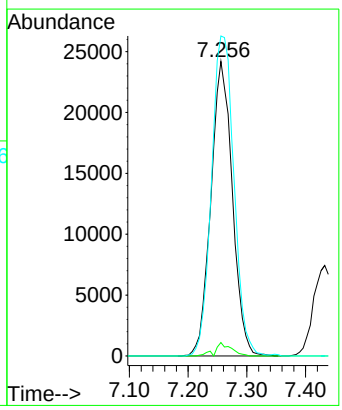


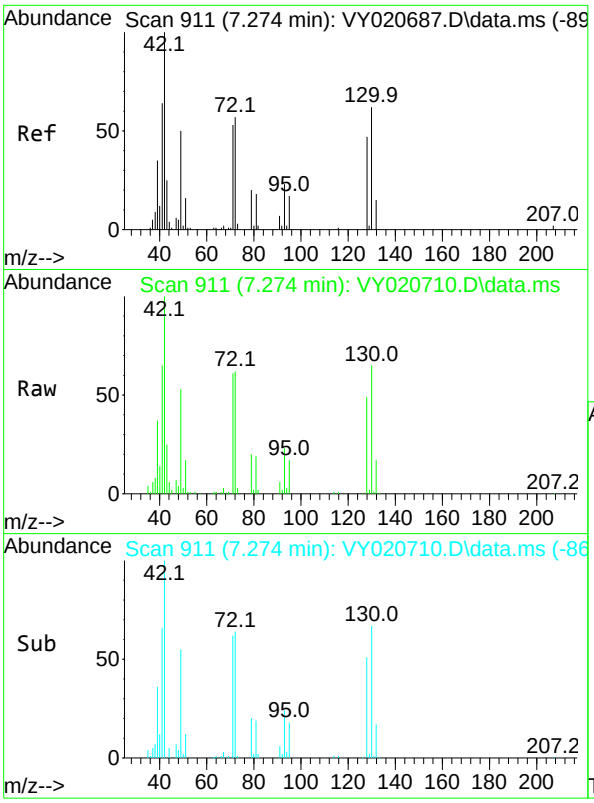


#28
Bromochloromethane
Concen: 165.629 ug/l
RT: 7.256 min Scan# 908
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 49 Resp: 61393

Ion	Ratio	Lower	Upper
49	100		
129	3.4	0.0	5.4
130	113.9	87.2	130.8



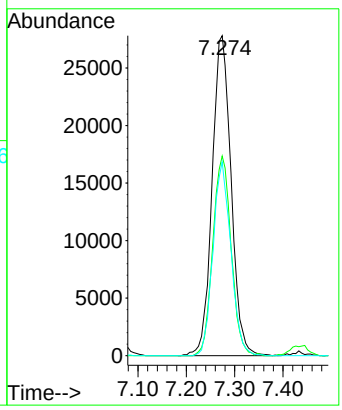


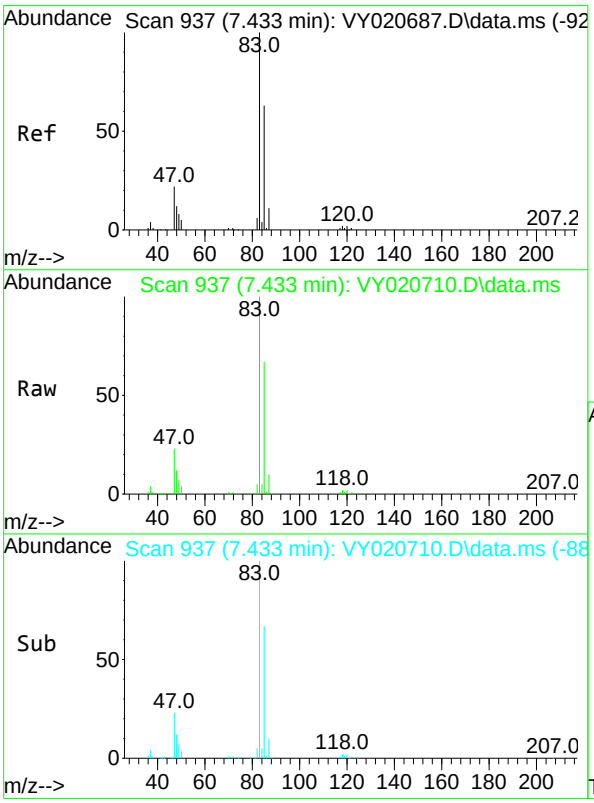
#29
Tetrahydrofuran
Concen: 764.431 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 75734

Ion	Ratio	Lower	Upper
42	100		
72	60.4	47.4	71.0
71	57.1	42.8	64.2

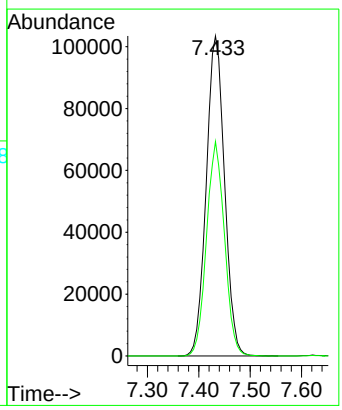


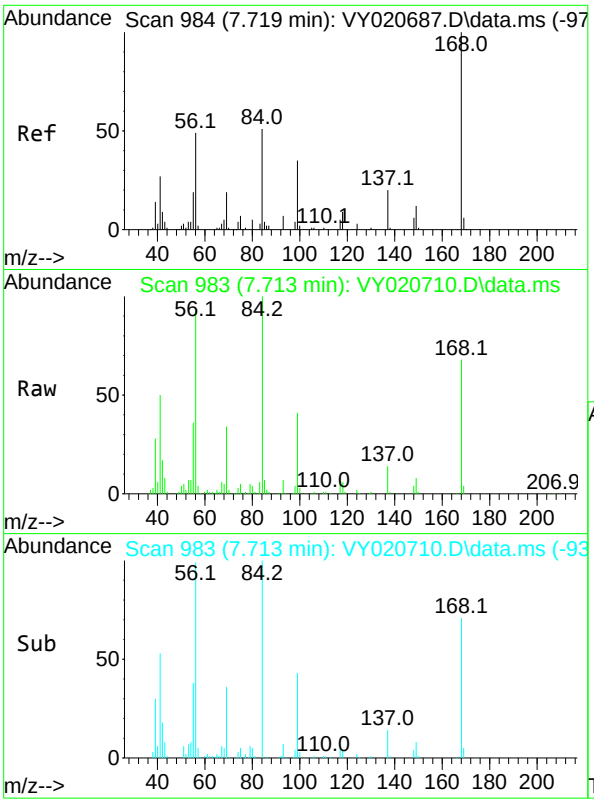


#30
Chloroform
Concen: 141.892 ug/l
RT: 7.433 min Scan# 937
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 83 Resp: 255843

Ion	Ratio	Lower	Upper
83	100		
85	67.0	50.2	75.2



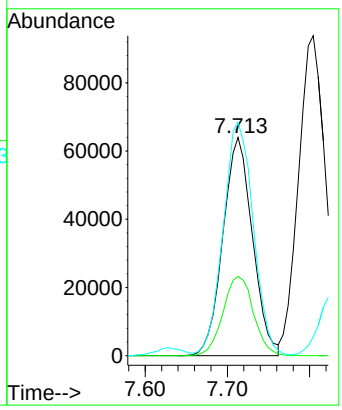


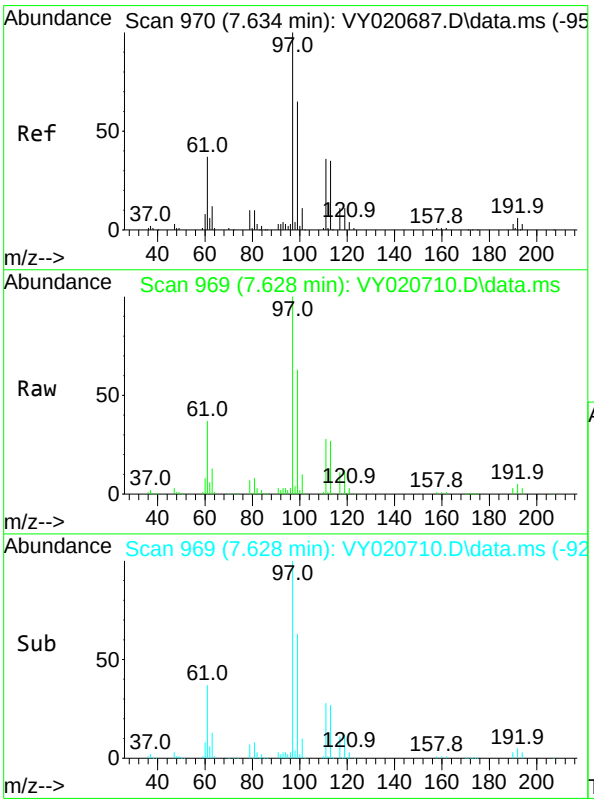
#31
Cyclohexane
Concen: 131.985 ug/l
RT: 7.713 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 159686

Ion	Ratio	Lower	Upper
56	100		
69	36.3	31.3	46.9
84	104.4	83.9	125.9

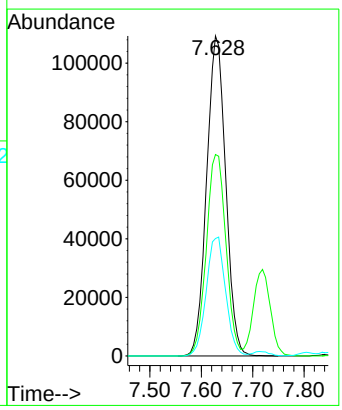


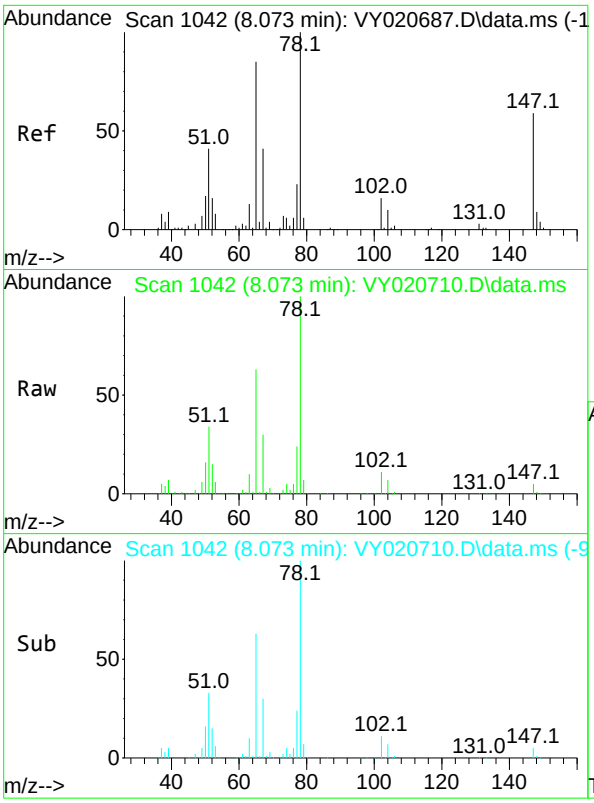


#32
1,1,1-Trichloroethane
Concen: 145.661 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 97 Resp: 281529

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.6
61	37.8	30.0	45.0



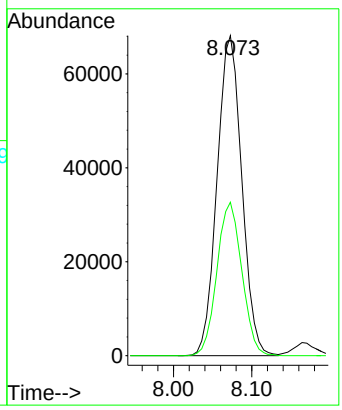


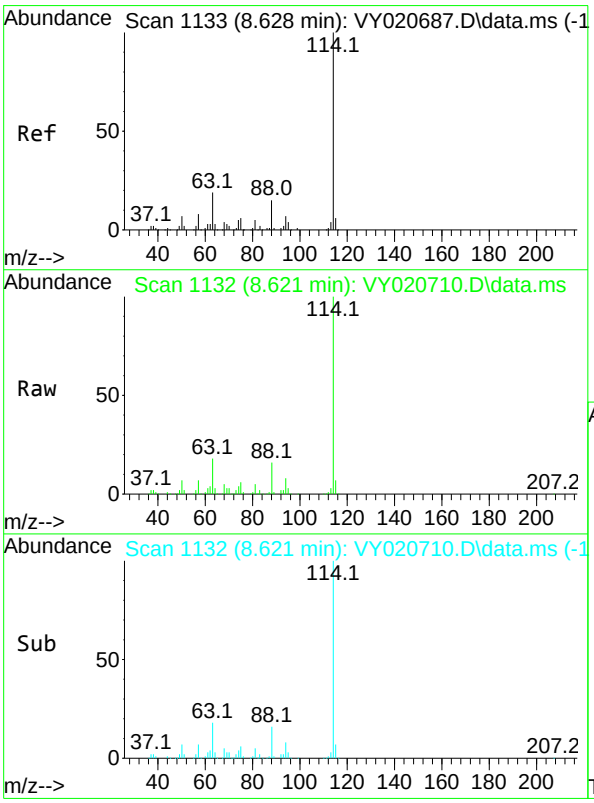
#33
1,2-Dichloroethane-d4
Concen: 158.772 ug/l
RT: 8.073 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 149540

Ion	Ratio	Lower	Upper
65	100		
67	48.3	0.0	98.0

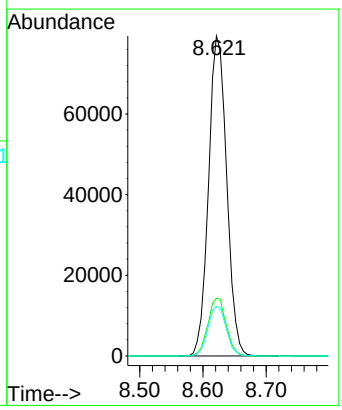


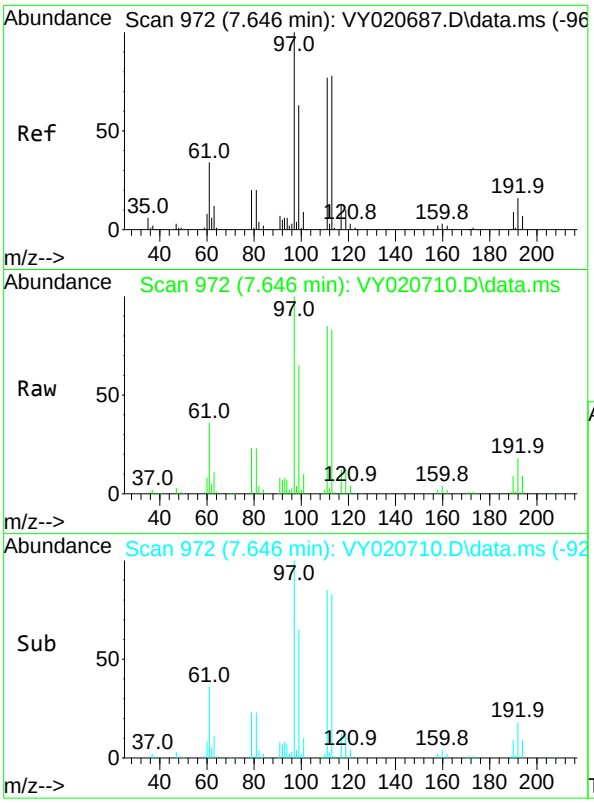


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 1132
Delta R.T. -0.007 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:114 Resp: 158039

Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	38.4
88	15.5	0.0	30.4



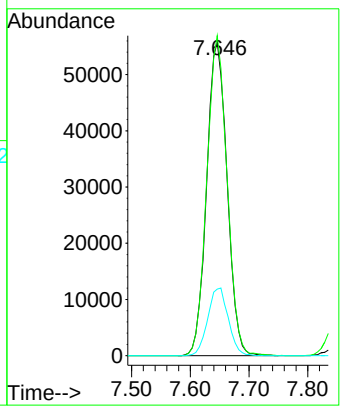


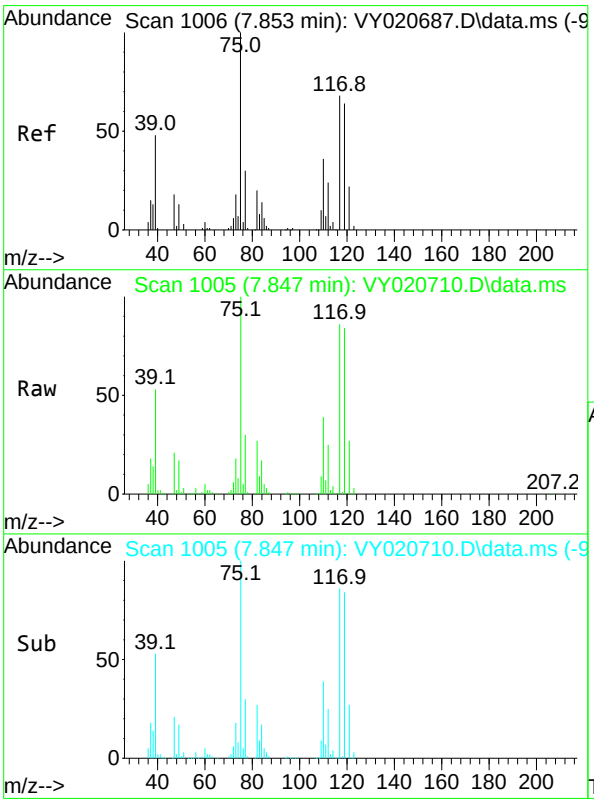
#35
Dibromofluoromethane
Concen: 154.819 ug/l
RT: 7.646 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 134770

Ion	Ratio	Lower	Upper
113	100		
111	101.0	79.8	119.8
192	21.7	17.0	25.6

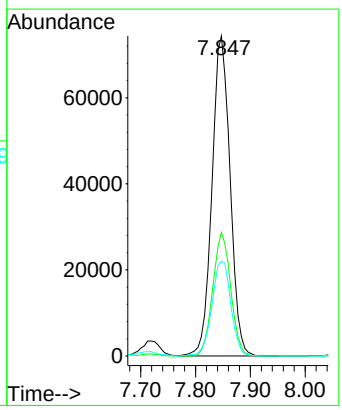


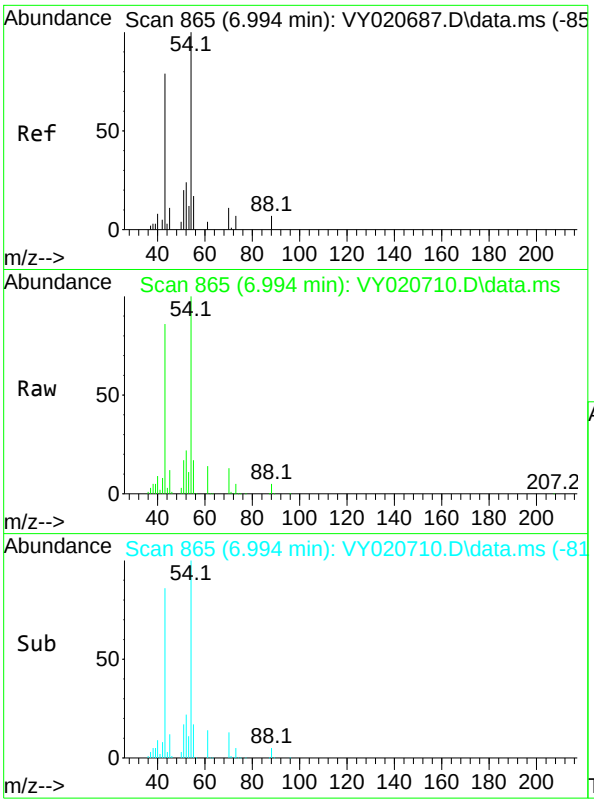


#36
1,1-Dichloropropene
Concen: 148.123 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 75 Resp: 170324

Ion	Ratio	Lower	Upper
75	100		
110	38.2	19.6	58.7
77	31.1	25.1	37.7



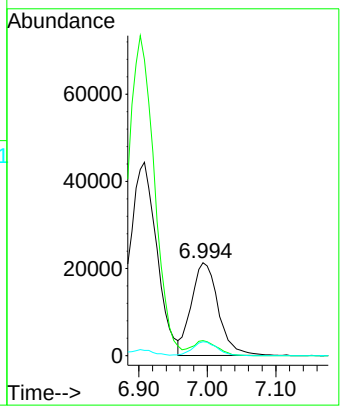


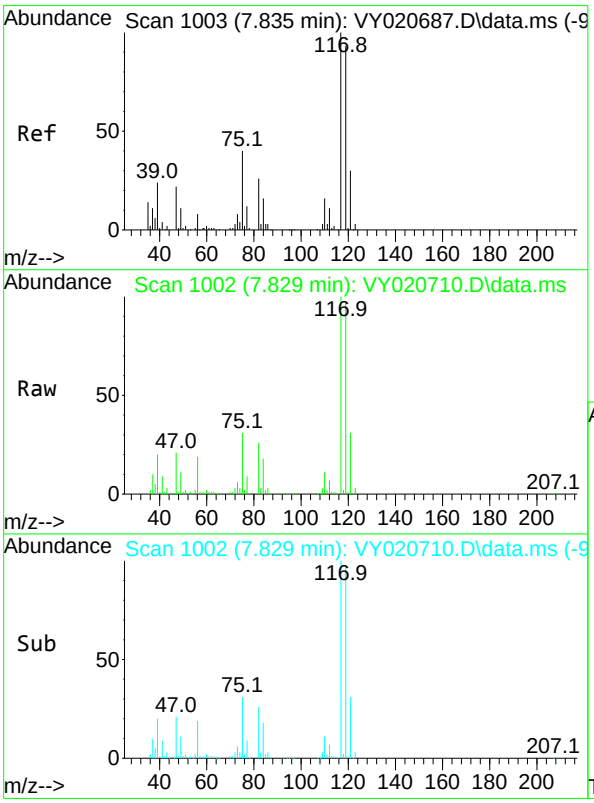
#37
Ethyl Acetate
Concen: 153.750 ug/l
RT: 6.994 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 58258

Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.7	17.5
70	13.8	11.0	16.4

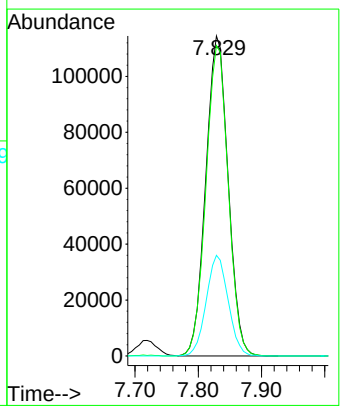


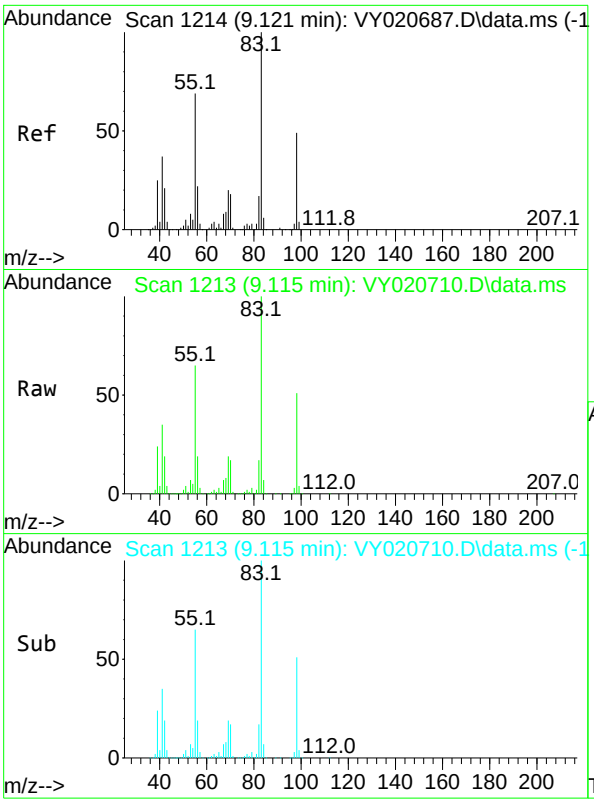


#38
Carbon Tetrachloride
Concen: 148.522 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:117 Resp: 281225

Ion	Ratio	Lower	Upper
117	100		
119	97.0	74.4	111.6
121	31.4	24.2	36.2



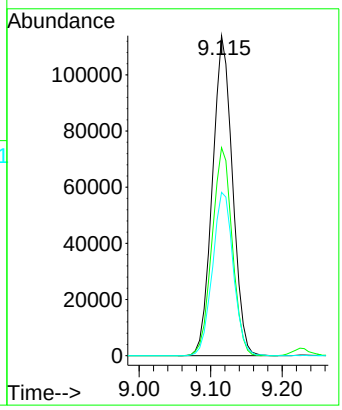


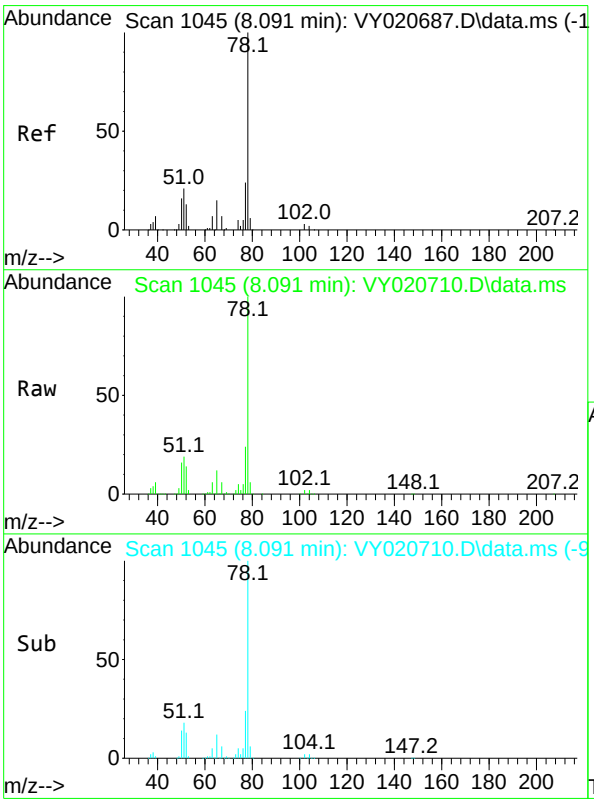
#39
Methylcyclohexane
Concen: 150.669 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 222062

Ion	Ratio	Lower	Upper
83	100		
55	65.0	55.0	82.4
98	51.1	39.0	58.6

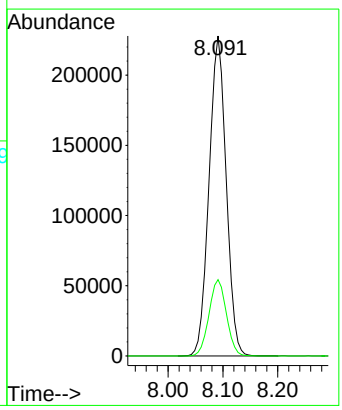


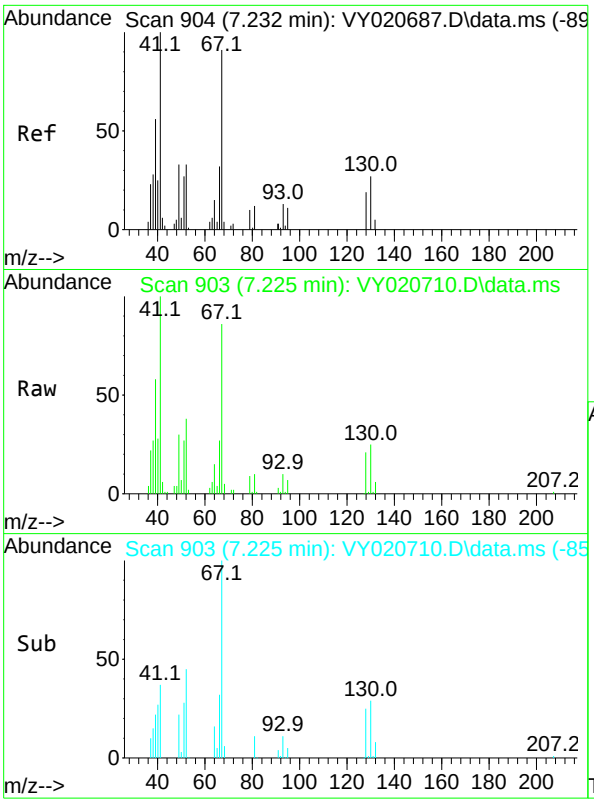


#40
Benzene
Concen: 148.061 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 78 Resp: 493419

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.2	28.8



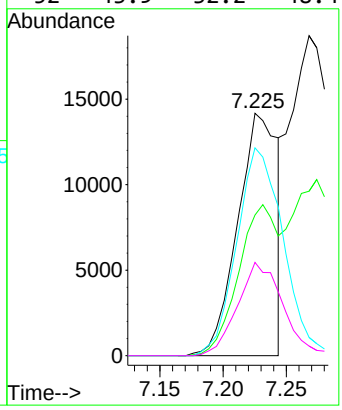


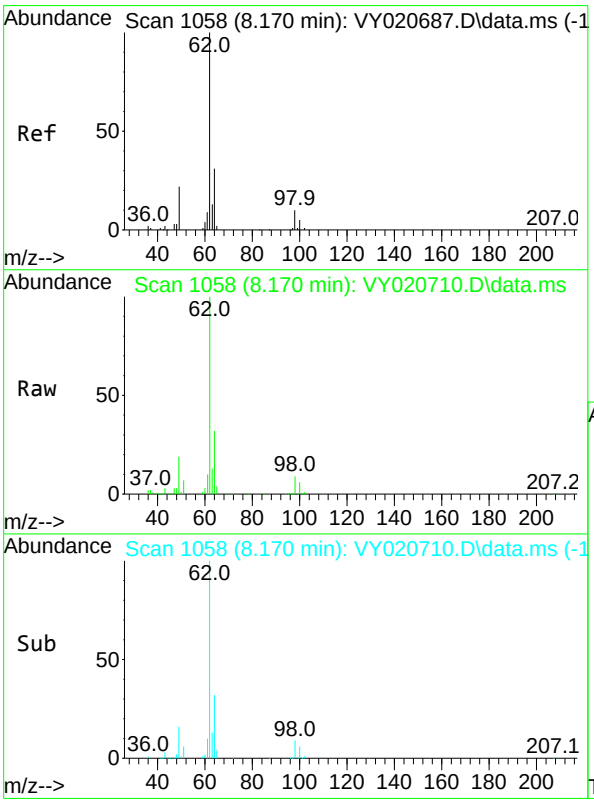
#41
Methacrylonitrile
Concen: 161.841 ug/l
RT: 7.225 min Scan# 9
Delta R.T. -0.007 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 30977

Ion	Ratio	Lower	Upper
41	100		
39	60.5	46.6	70.0
67	100.3	74.7	112.1
52	43.9	32.2	48.4

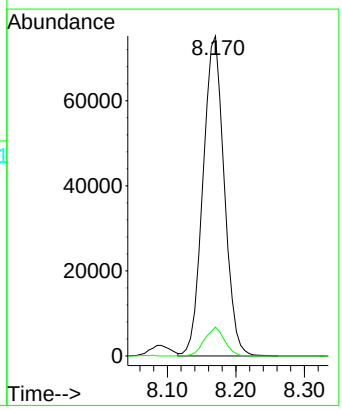


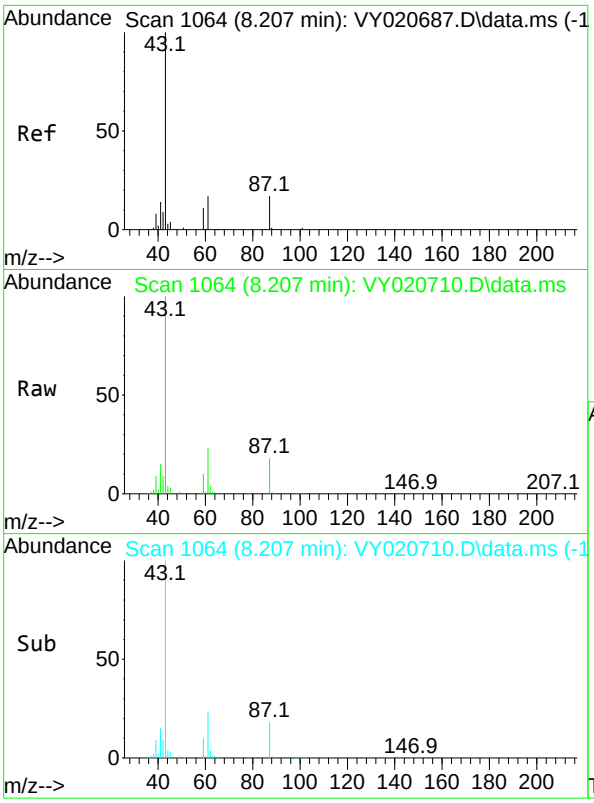


#42
1,2-Dichloroethane
Concen: 151.768 ug/l
RT: 8.170 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 62 Resp: 162177

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.6



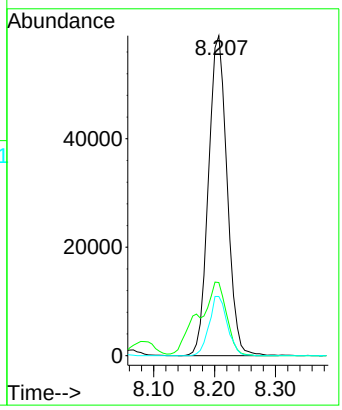


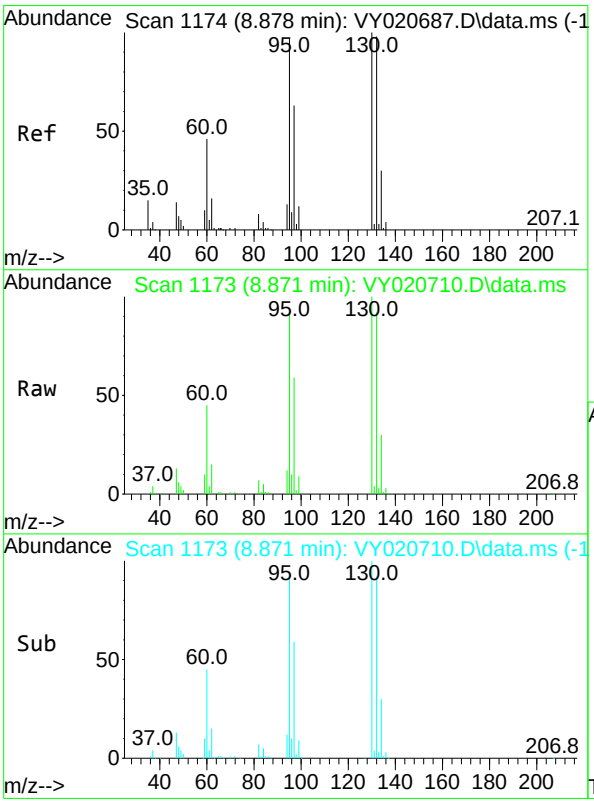
#43
Isopropyl Acetate
Concen: 155.741 ug/l
RT: 8.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 125433

Ion	Ratio	Lower	Upper
43	100		
61	34.8	27.0	40.4
87	18.2	14.2	21.4

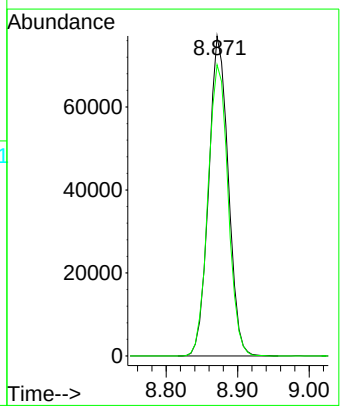


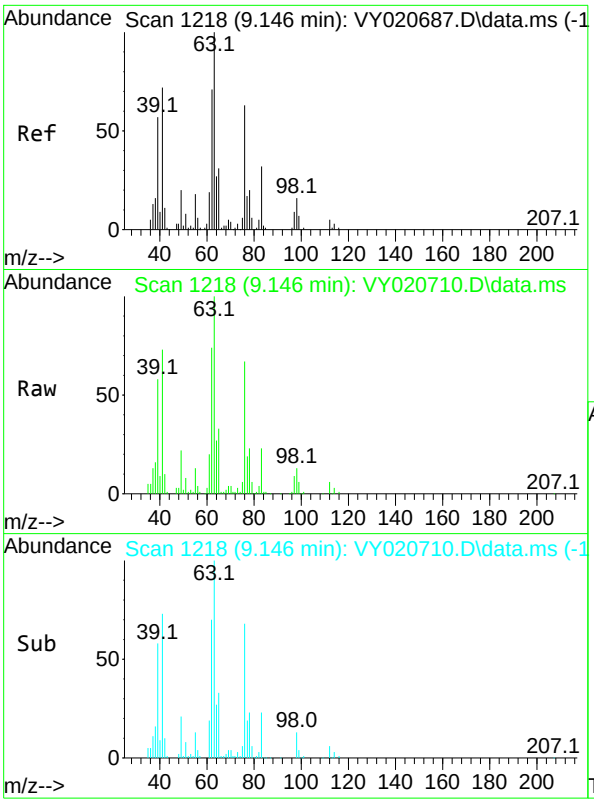


#44
Trichloroethene
Concen: 147.303 ug/l
RT: 8.871 min Scan# 1173
Delta R.T. -0.007 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:130 Resp: 146621

Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	194.8



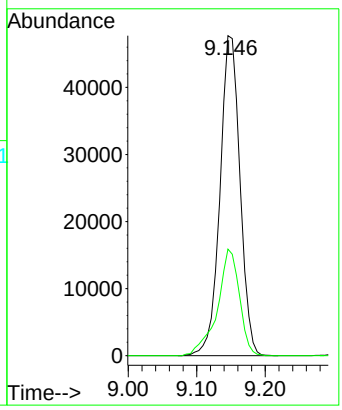


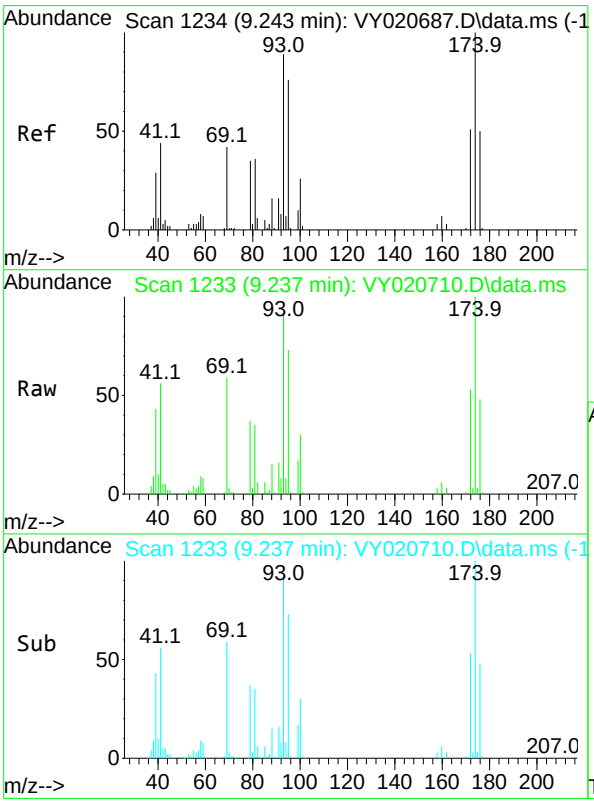
#45
1,2-Dichloropropane
Concen: 143.087 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 96524

Ion	Ratio	Lower	Upper
63	100		
65	33.3	24.6	36.8

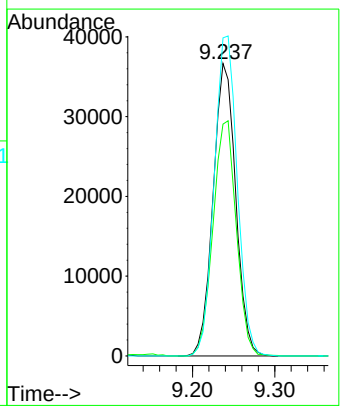


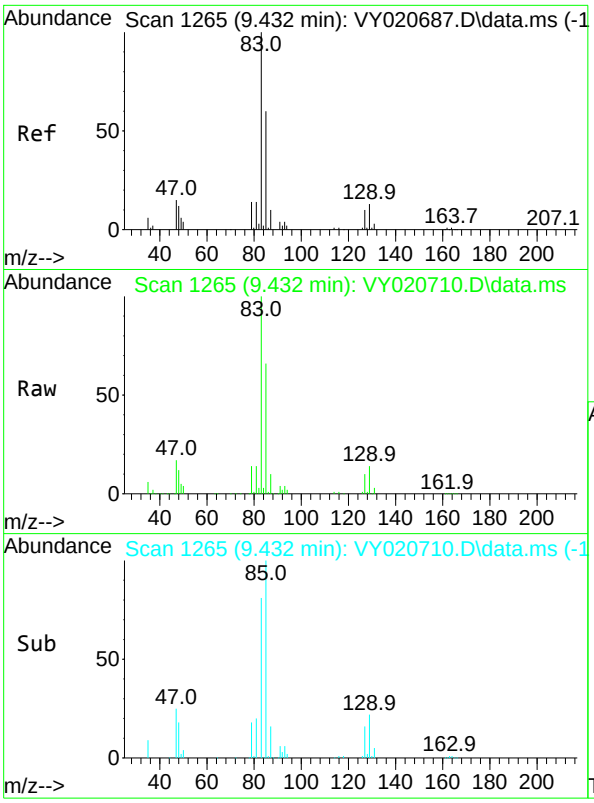


#46
Dibromomethane
Concen: 150.351 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 93 Resp: 70177

Ion	Ratio	Lower	Upper
93	100		
95	82.6	67.8	101.8
174	111.6	89.4	134.0



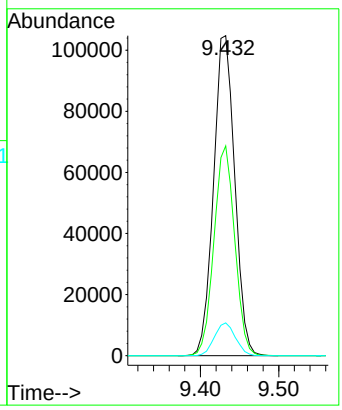


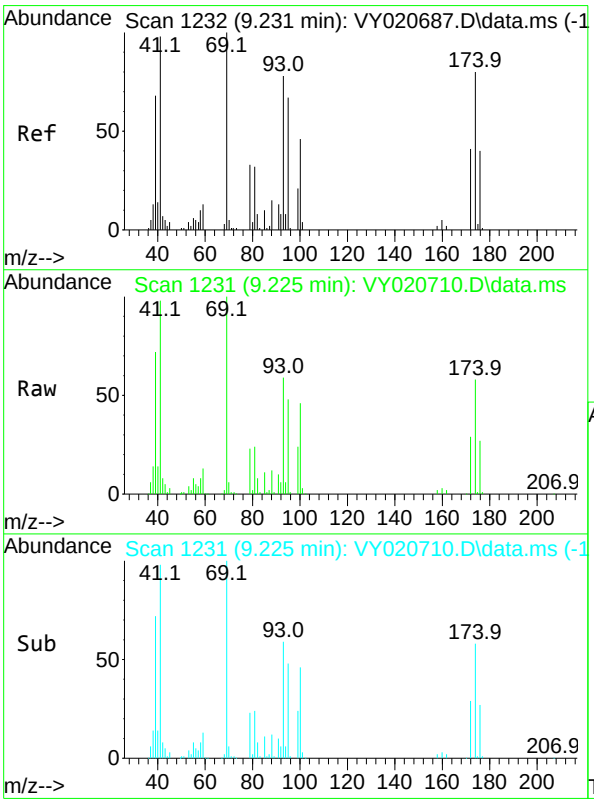
#47
Bromodichloromethane
Concen: 148.994 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 197163

Ion	Ratio	Lower	Upper
83	100		
85	65.5	47.6	71.4
127	10.3	7.9	11.9

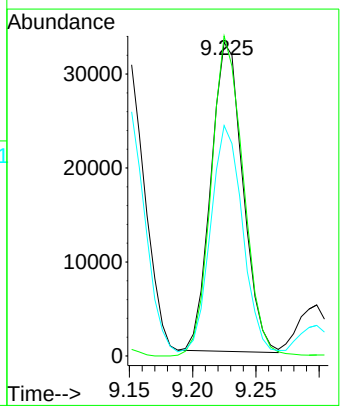


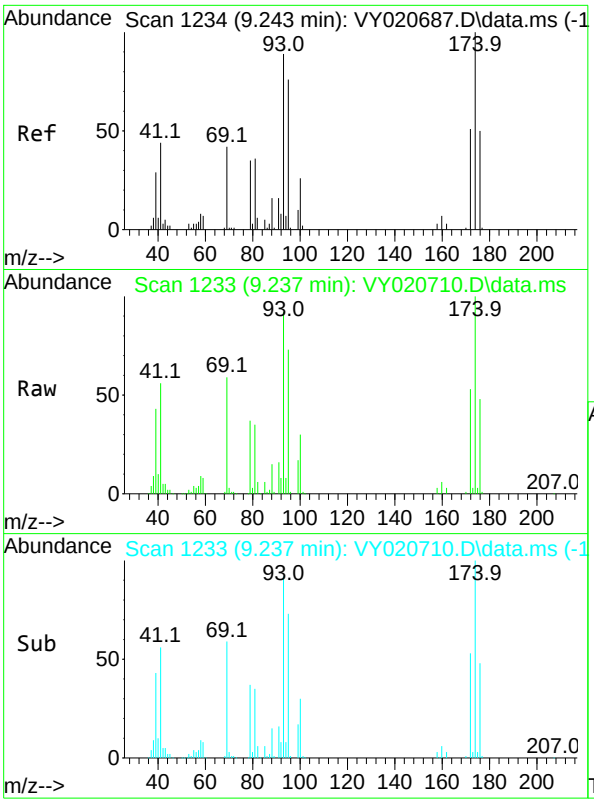


#48
Methyl methacrylate
Concen: 153.712 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 41 Resp: 57813

Ion	Ratio	Lower	Upper
41	100		
69	104.1	83.1	124.7
39	73.2	57.3	85.9



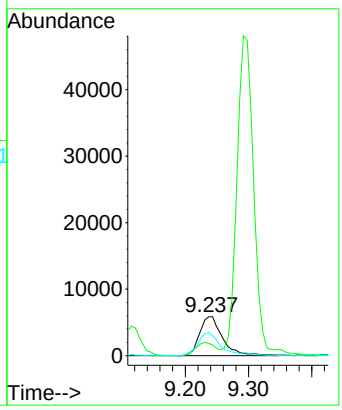


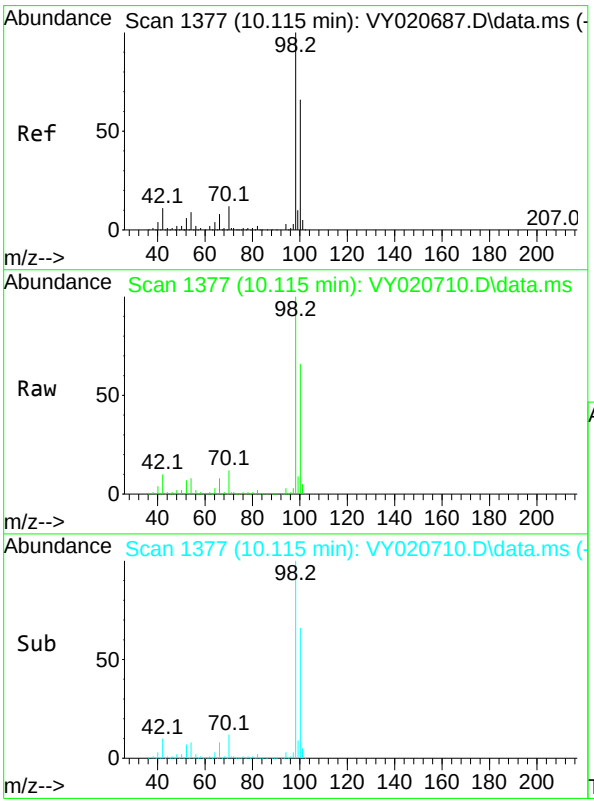
#49
1,4-Dioxane
Concen: 3331.078 ug/l
RT: 9.237 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 14810

Ion	Ratio	Lower	Upper
88	100		
43	29.7	22.1	33.1
58	59.7	46.7	70.1

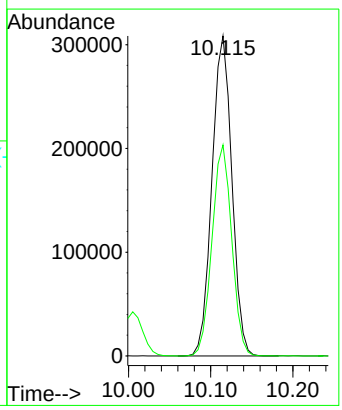


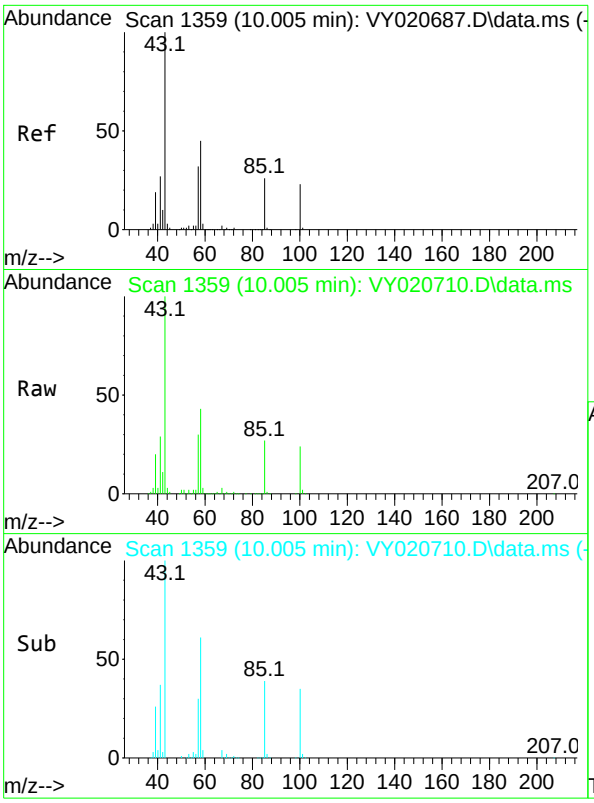


#50
Toluene-d8
Concen: 146.261 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 98 Resp: 518209

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.2	78.4



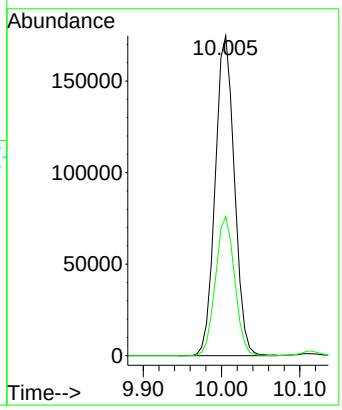


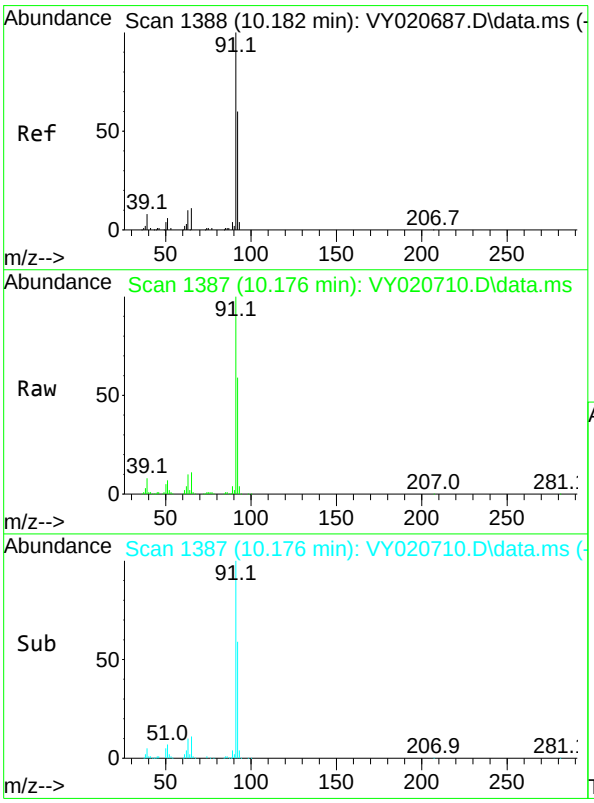
#51
4-Methyl-2-Pentanone
Concen: 766.010 ug/l
RT: 10.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 297779

Ion	Ratio	Lower	Upper
43	100		
58	43.6	35.1	52.7

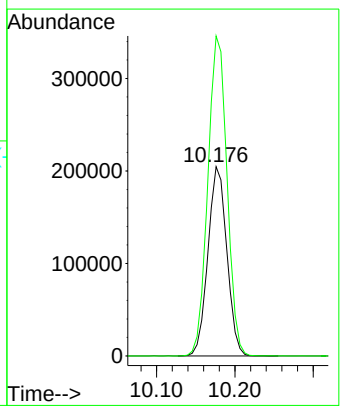


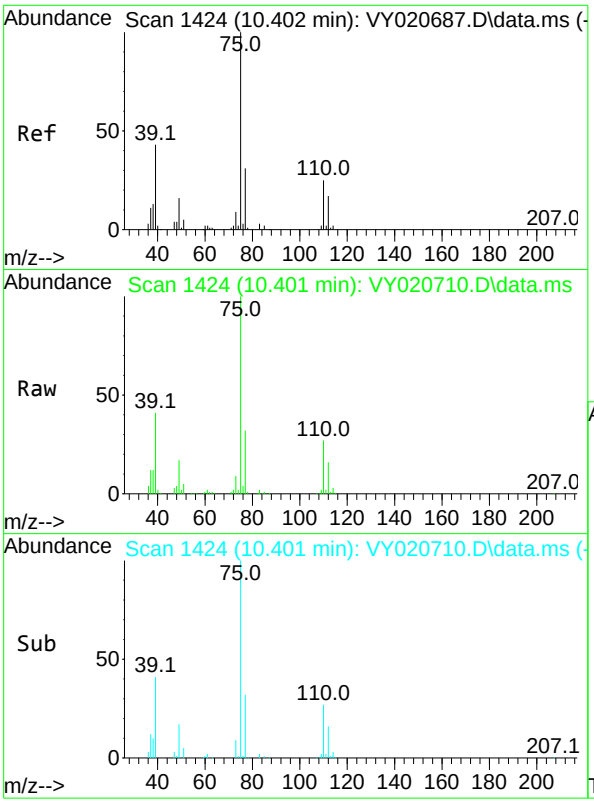


#52
Toluene
Concen: 149.994 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 92 Resp: 342599

Ion	Ratio	Lower	Upper
92	100		
91	171.6	137.7	206.5



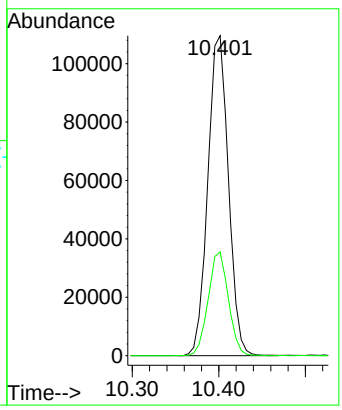


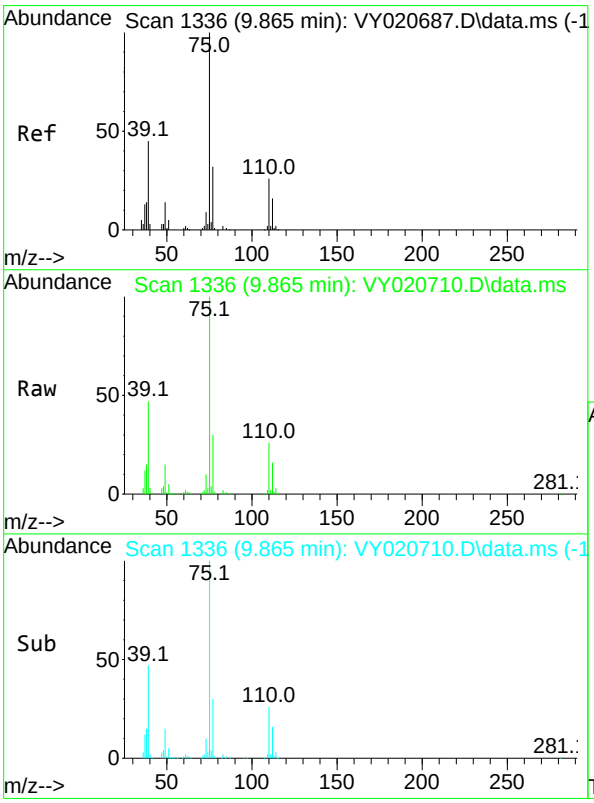
#53
t-1,3-Dichloropropene
Concen: 155.696 ug/l
RT: 10.401 min Scan# 14
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 180957

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.1	37.7

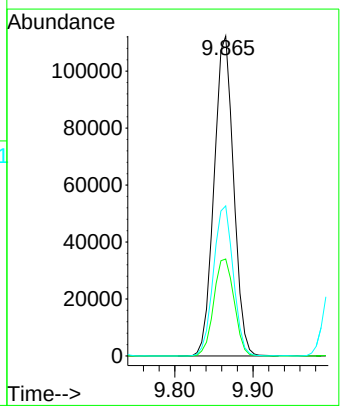


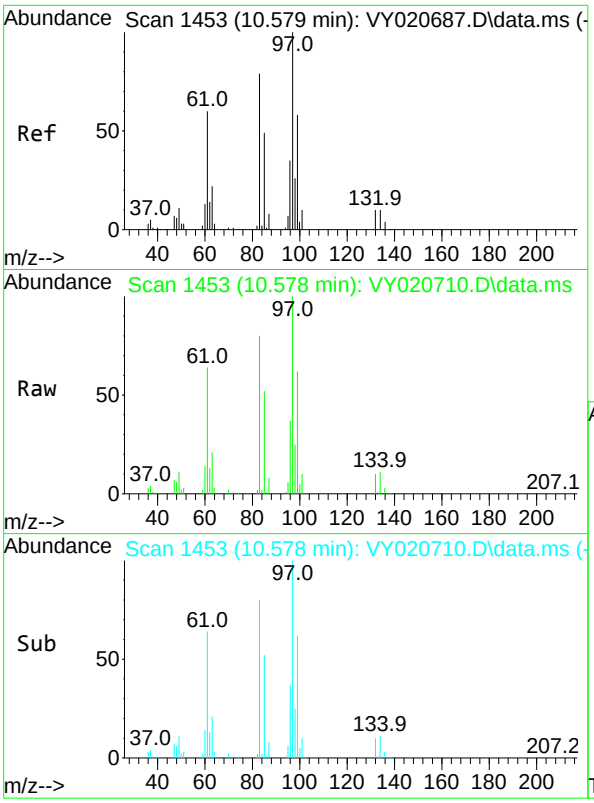


#54
cis-1,3-Dichloropropene
Concen: 152.747 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 75 Resp: 194591

Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.6	38.4
39	46.9	36.2	54.2



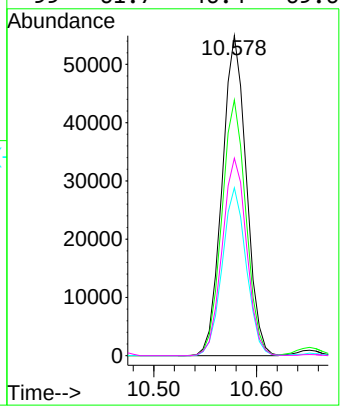


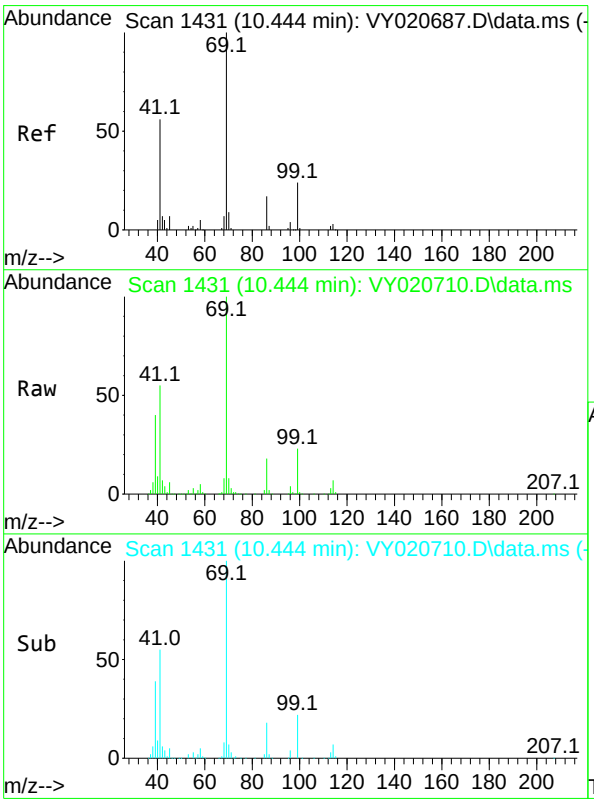
#55
1,1,2-Trichloroethane
Concen: 150.745 ug/l
RT: 10.578 min Scan# 14
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 89814

Ion	Ratio	Lower	Upper
97	100		
83	79.9	63.1	94.7
85	52.5	39.5	59.3
99	61.7	46.4	69.6

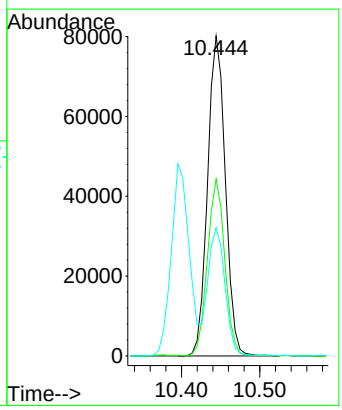


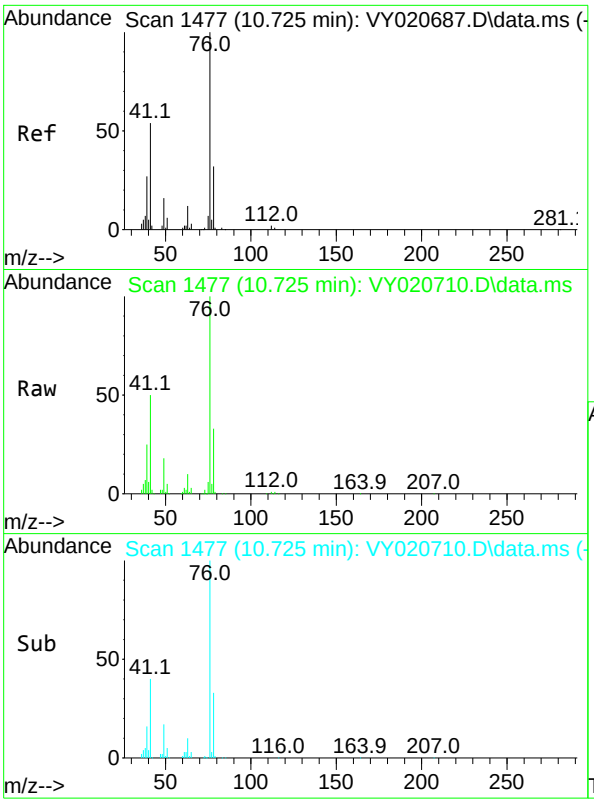


#56
Ethyl methacrylate
Concen: 160.965 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 69 Resp: 125990

Ion	Ratio	Lower	Upper
69	100		
41	54.1	43.8	65.6
39	39.9	32.0	48.0



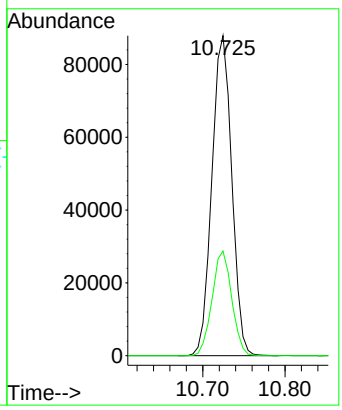


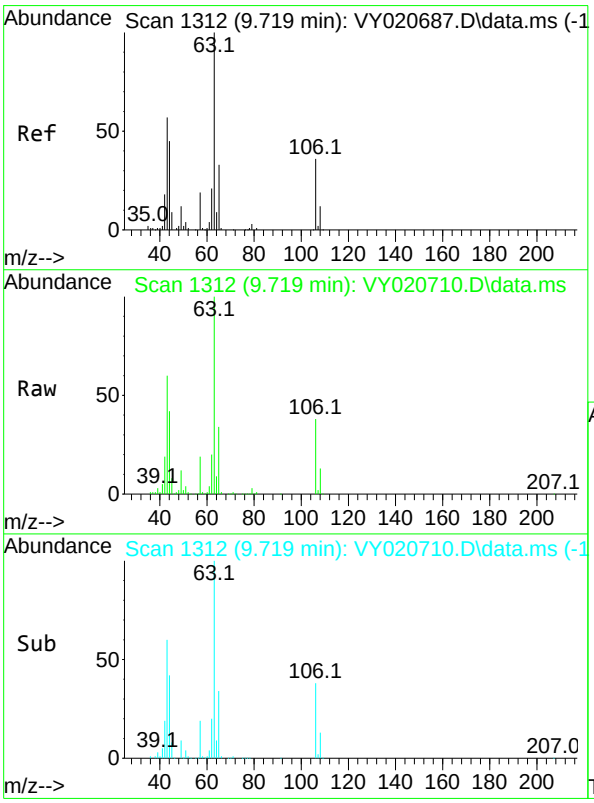
#57
1,3-Dichloropropane
Concen: 152.813 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 147770

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.0	37.6

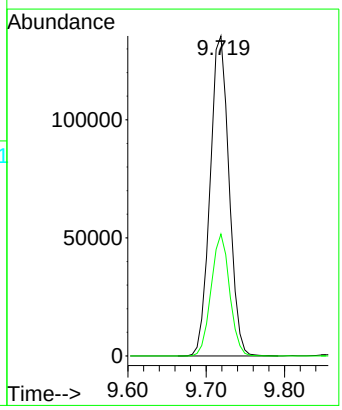


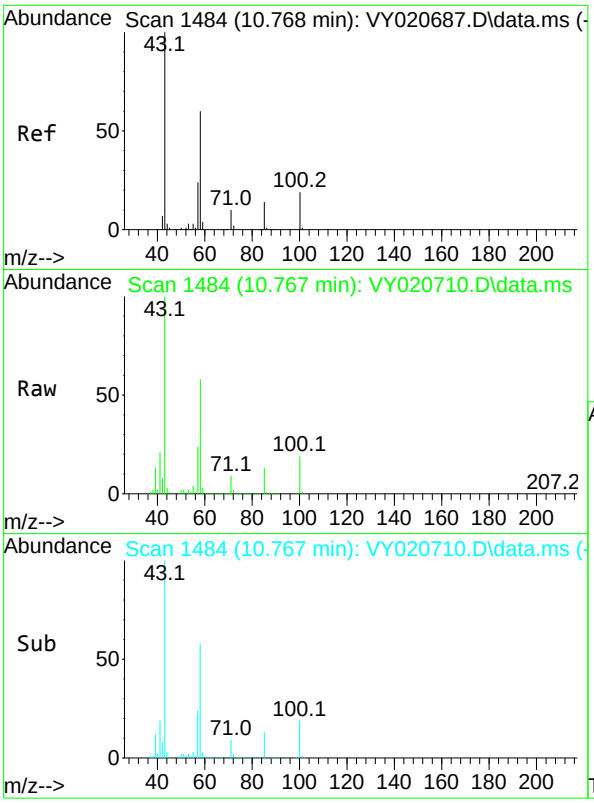


#58
2-Chloroethyl Vinyl ether
Concen: 833.052 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 63 Resp: 227376

Ion	Ratio	Lower	Upper
63	100		
106	37.1	29.1	43.7



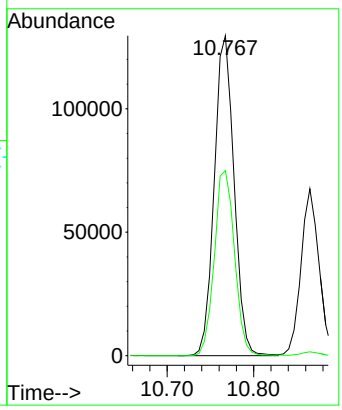


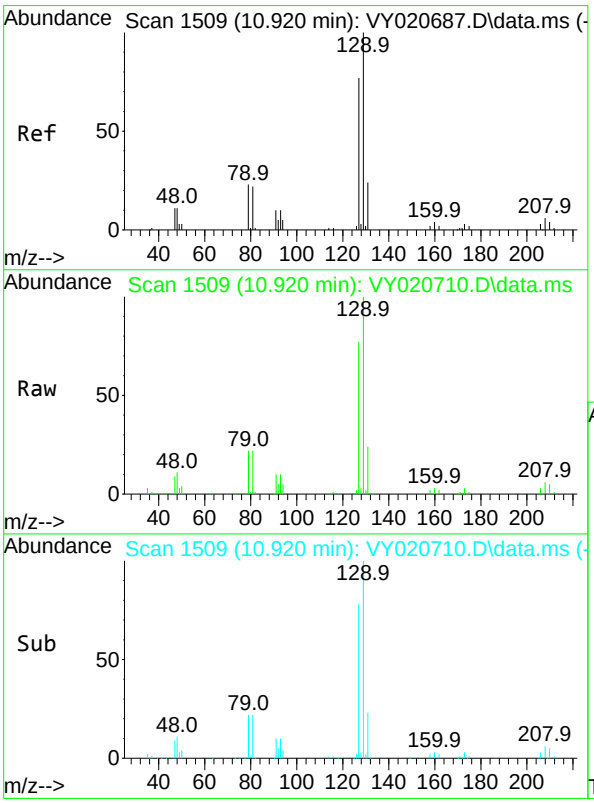
#59
2-Hexanone
Concen: 801.023 ug/l
RT: 10.767 min Scan# 14
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 205596

Ion	Ratio	Lower	Upper
43	100		
58	59.2	30.1	90.5

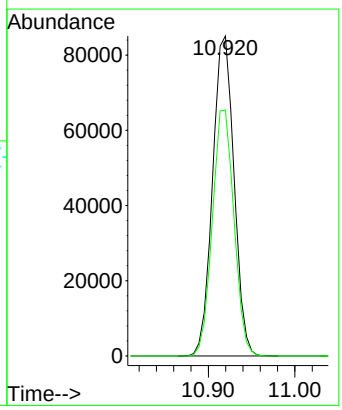


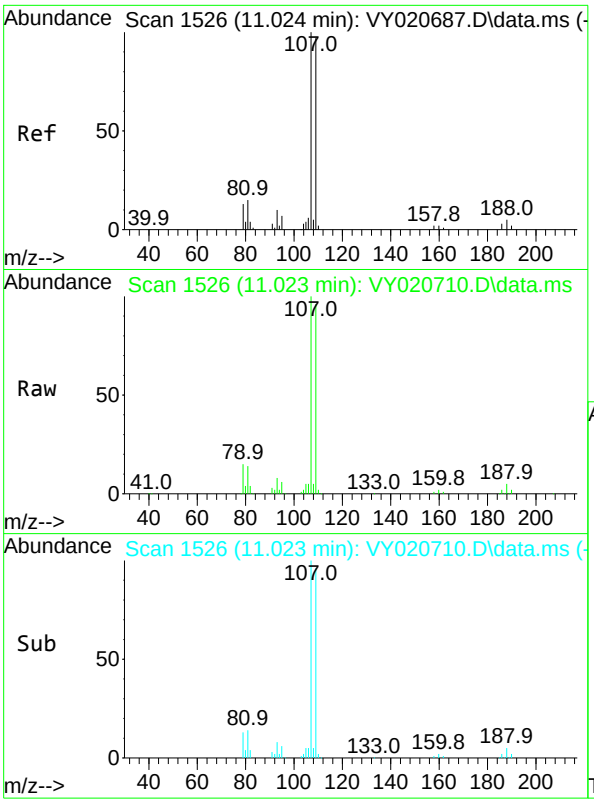


#60
Dibromochloromethane
Concen: 152.023 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:129 Resp: 146356

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.5	115.5



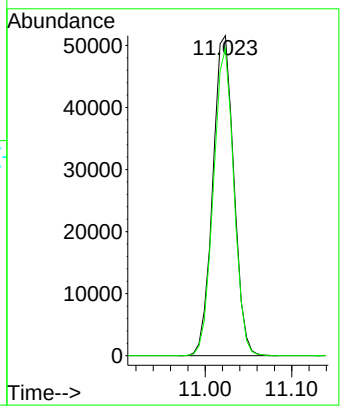


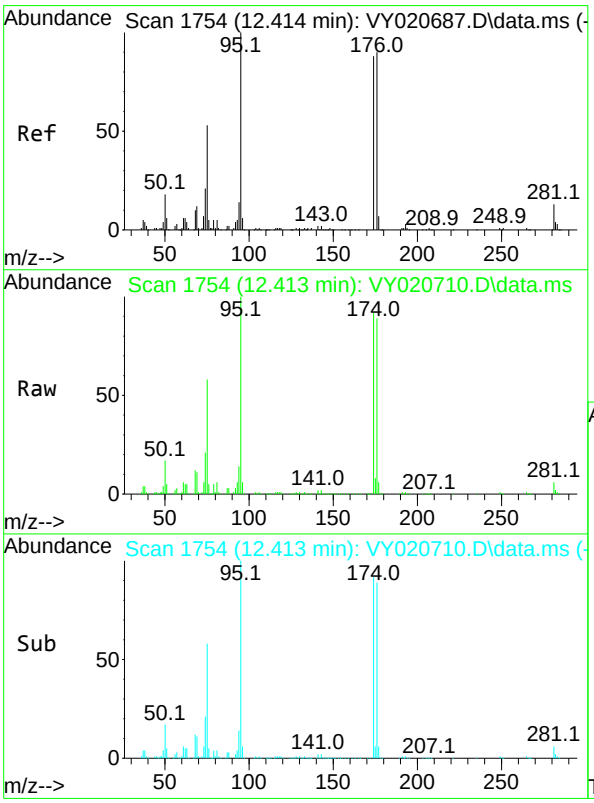
#61
1,2-Dibromoethane
Concen: 155.511 ug/l
RT: 11.023 min Scan# 1
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 87182

Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.5	113.3

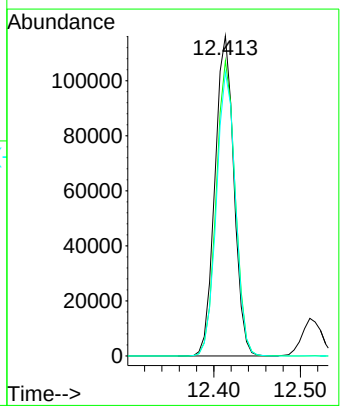


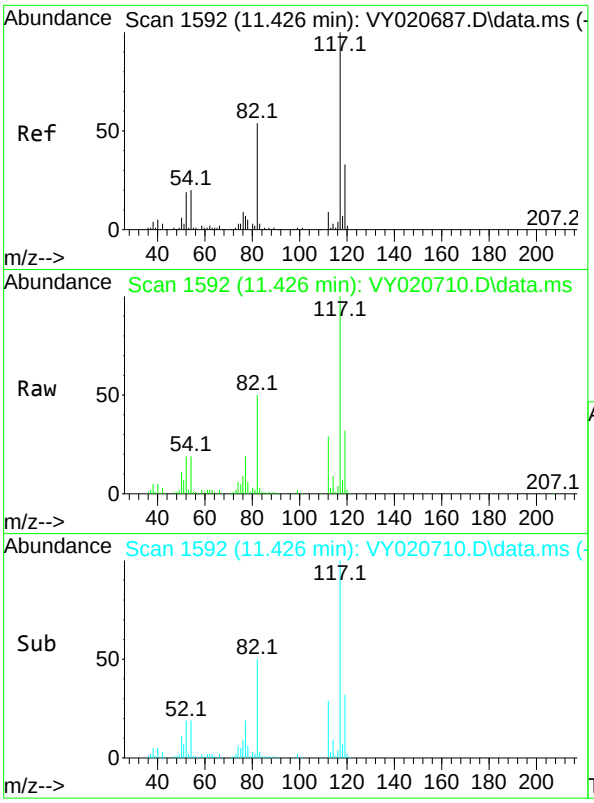


#62
4-Bromofluorobenzene
Concen: 152.741 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 95 Resp: 176701

Ion	Ratio	Lower	Upper
95	100		
174	92.3	0.0	179.2
176	89.0	0.0	179.8



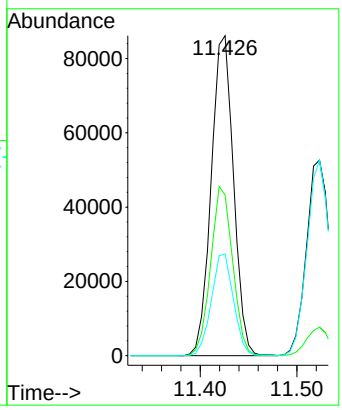


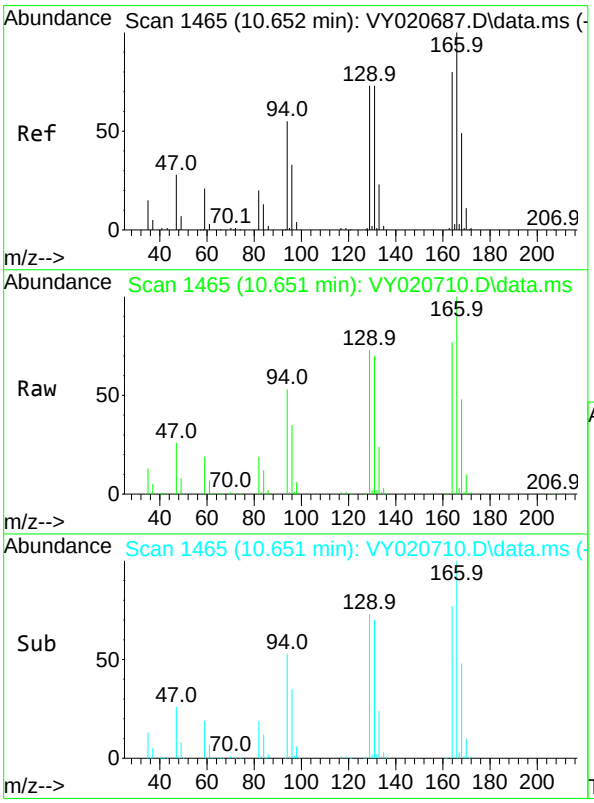
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 137996

Ion	Ratio	Lower	Upper
117	100		
82	50.2	43.4	65.2
119	31.8	26.6	39.8

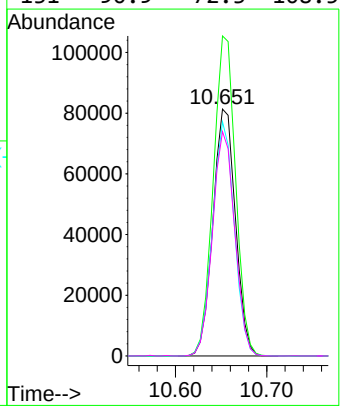


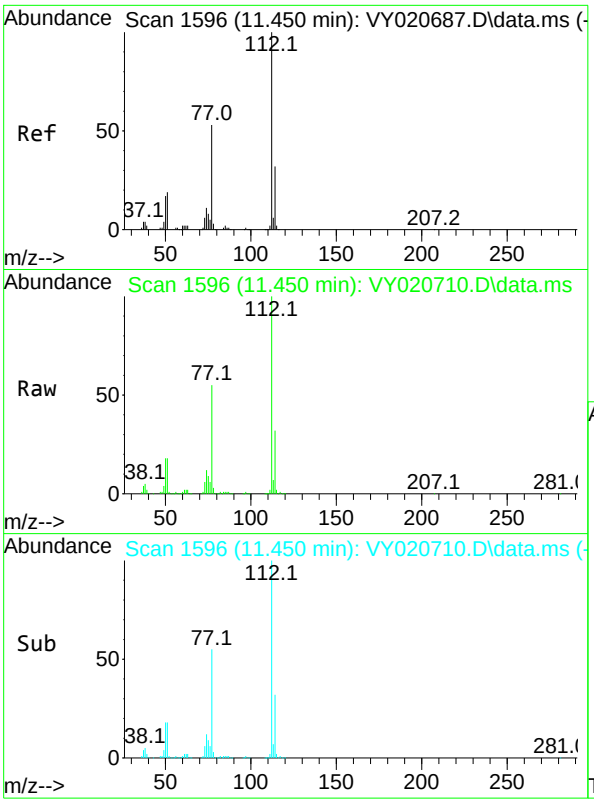


#64
Tetrachloroethene
Concen: 147.787 ug/l
RT: 10.651 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:164 Resp: 139334

Ion	Ratio	Lower	Upper
164	100		
166	129.6	99.6	149.4
129	94.8	73.0	109.4
131	90.9	72.3	108.5



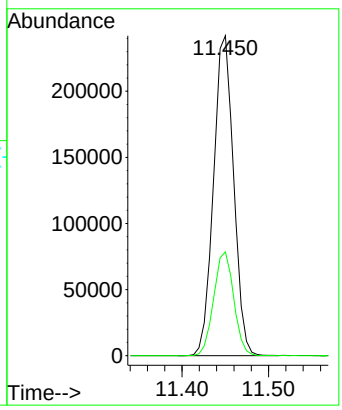


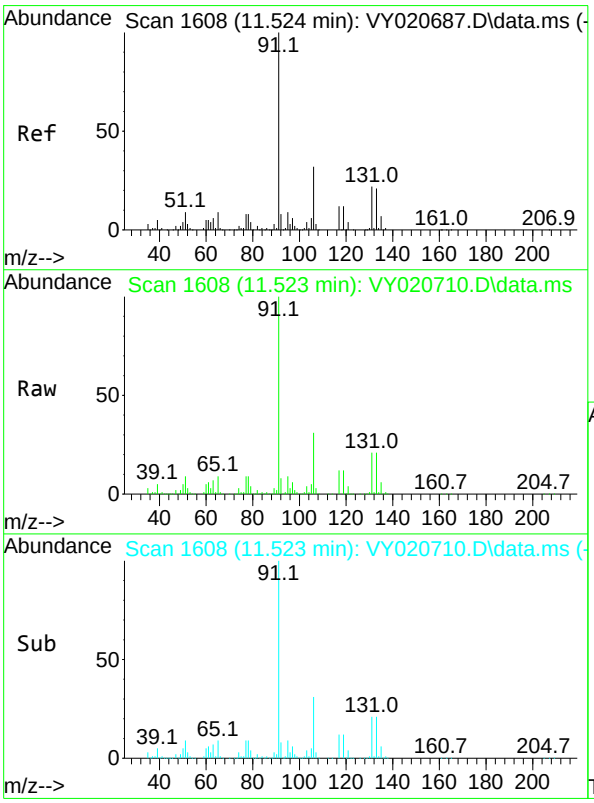
#65
Chlorobenzene
Concen: 144.451 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 390317

Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.4	38.0

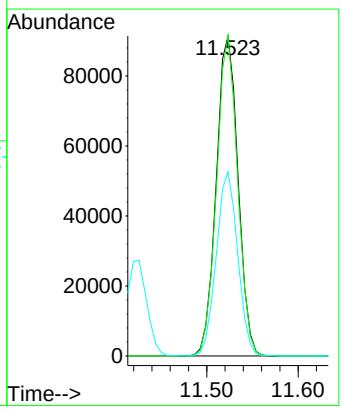


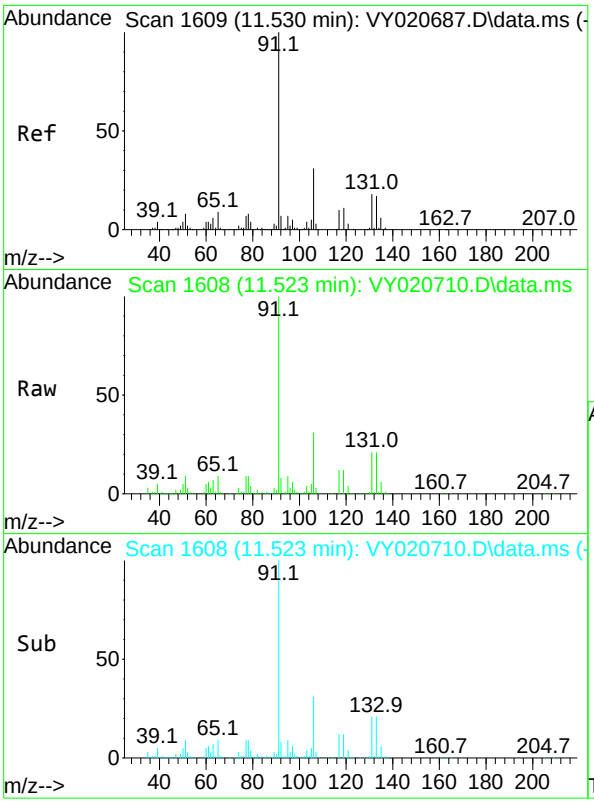


#66
1,1,1,2-Tetrachloroethane
Concen: 144.626 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:131 Resp: 151401

Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.6	145.9
119	56.7	28.4	85.3



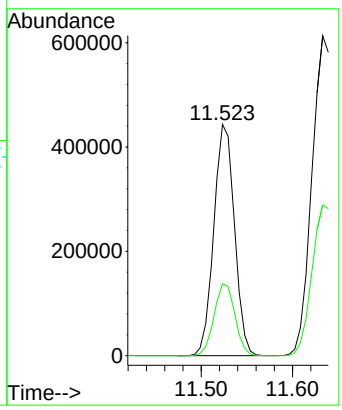


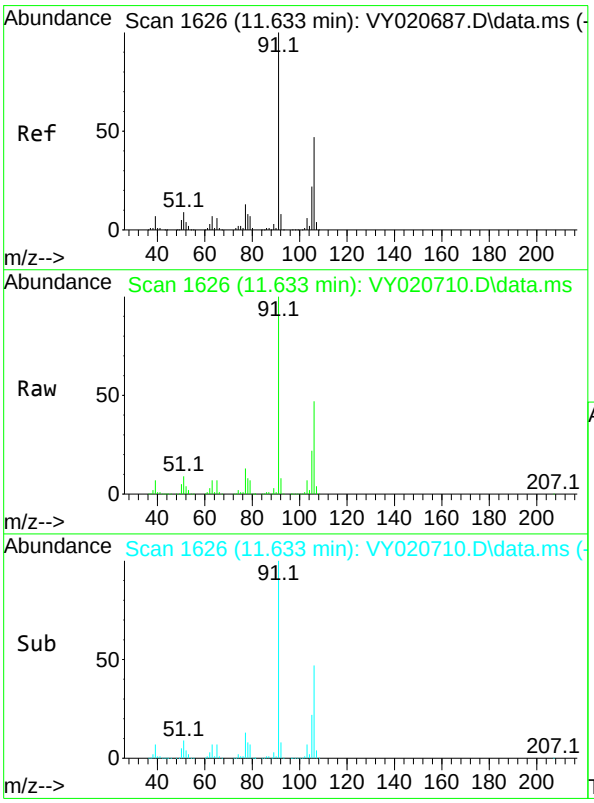
#67
Ethyl Benzene
Concen: 147.444 ug/l
RT: 11.523 min Scan# 1
Delta R.T. -0.007 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 696321

Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.5	36.7

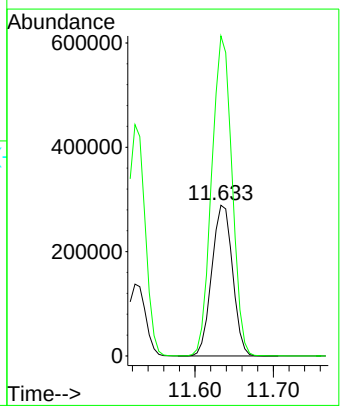


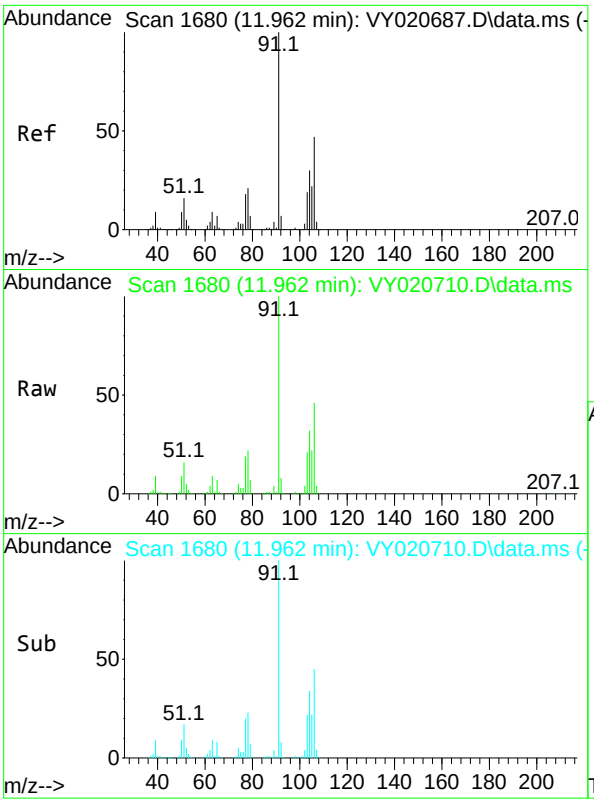


#68
m/p-Xylenes
Concen: 295.699 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:106 Resp: 532697

Ion	Ratio	Lower	Upper
106	100		
91	208.1	166.6	250.0



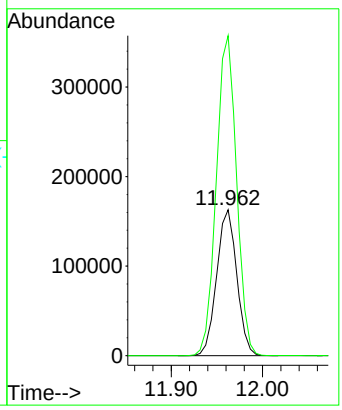


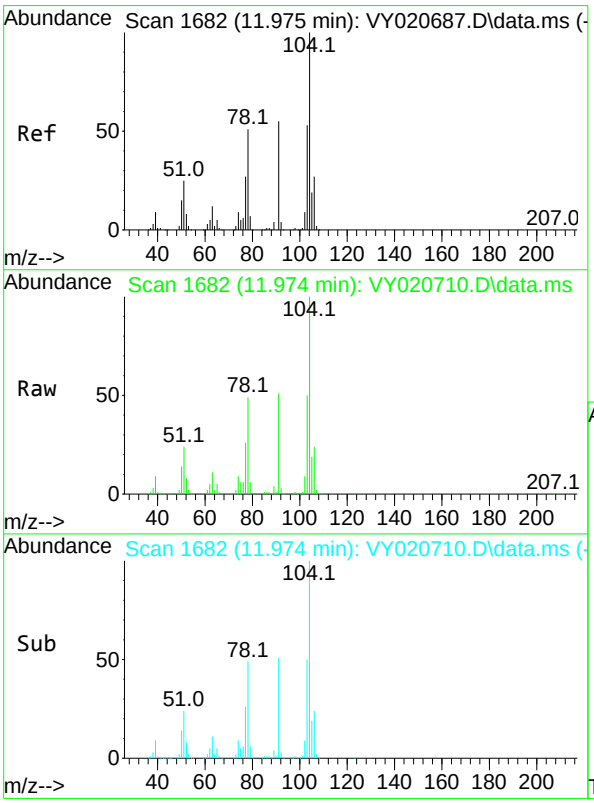
#69
o-Xylene
Concen: 145.003 ug/l
RT: 11.962 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 249576

Ion	Ratio	Lower	Upper
106	100		
91	220.3	108.6	325.8

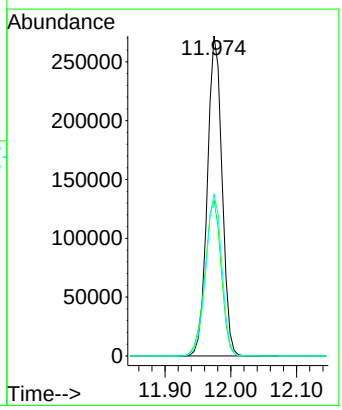


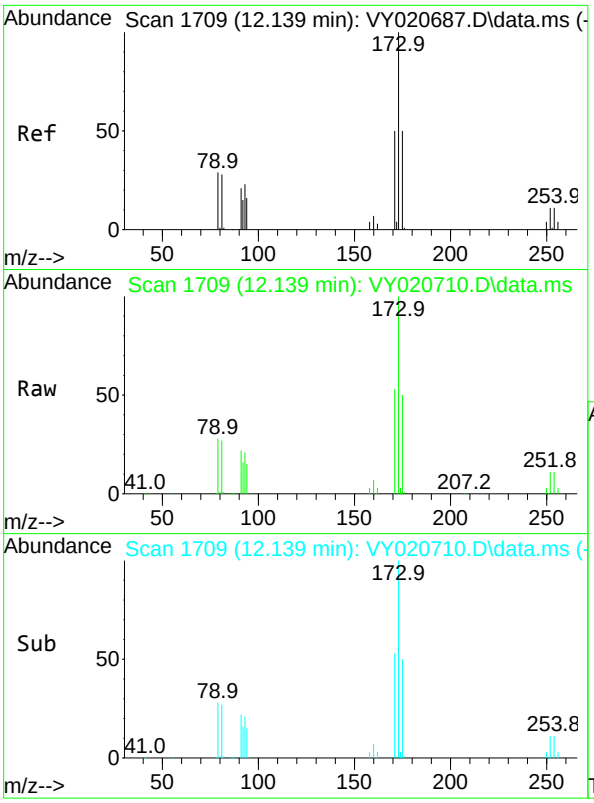


#70
Styrene
Concen: 146.372 ug/l
RT: 11.974 min Scan# 1682
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:104 Resp: 422920

Ion	Ratio	Lower	Upper
104	100		
78	53.9	43.0	64.4
103	55.1	44.4	66.6



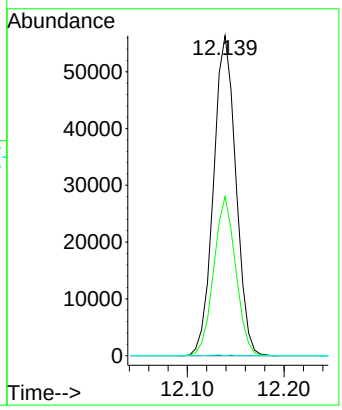


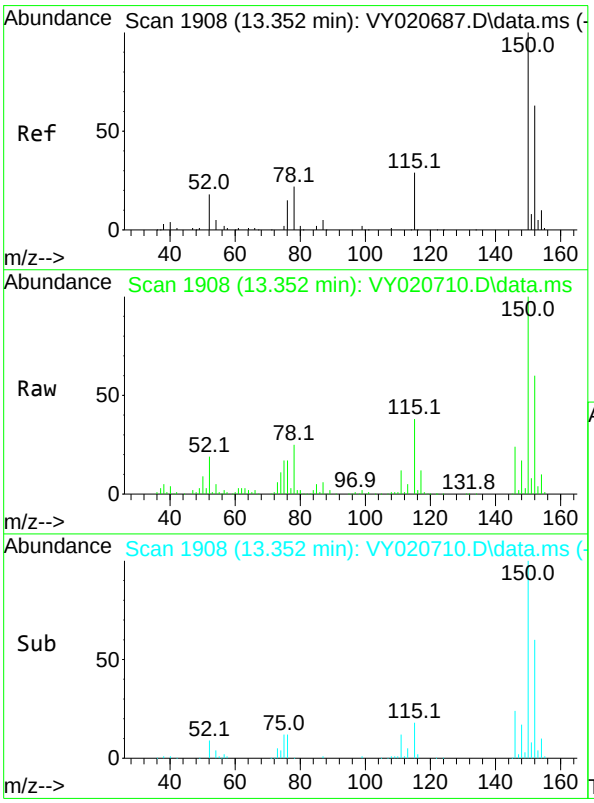
#71
Bromoform
Concen: 150.242 ug/l
RT: 12.139 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 90423

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.2	72.6
254	0.2	0.0	0.0#

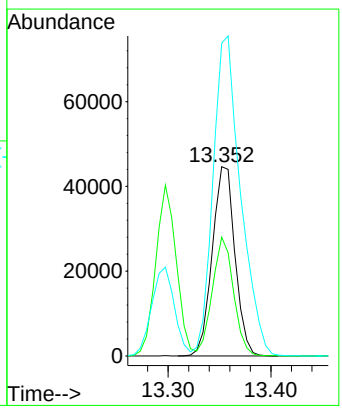


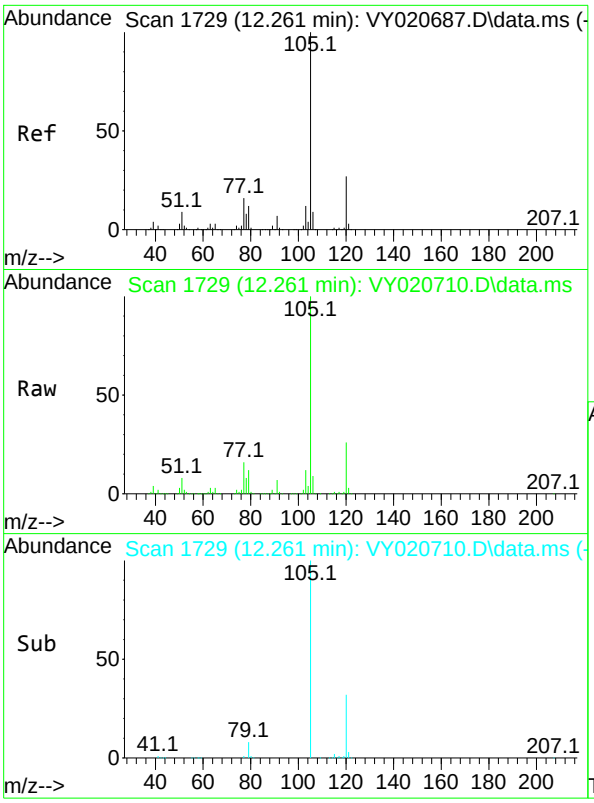


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:152 Resp: 68495

Ion	Ratio	Lower	Upper
152	100		
115	58.5	30.3	90.9
150	205.0	0.0	349.0



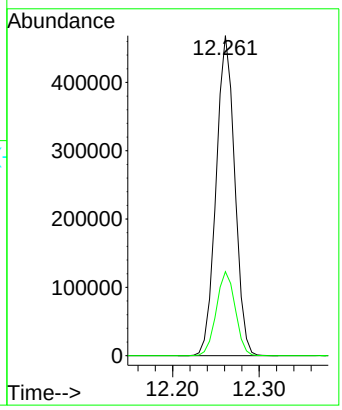


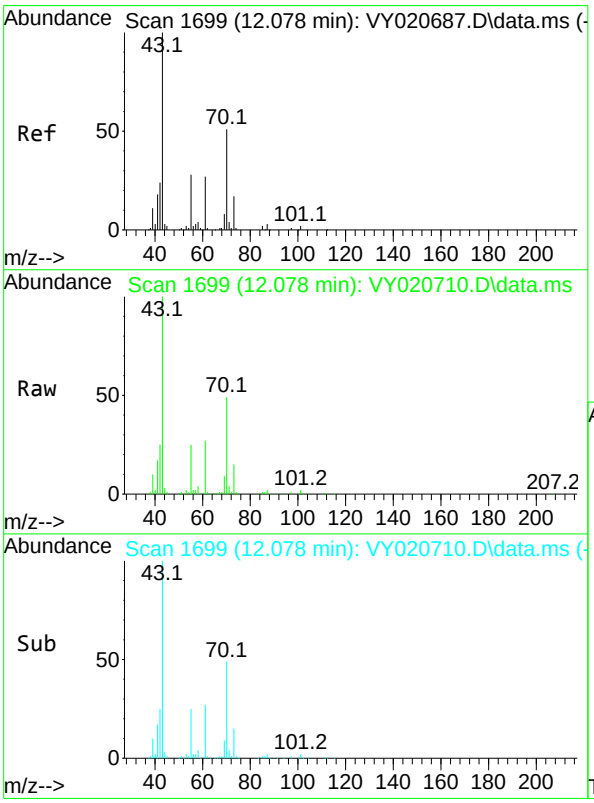
#73
Isopropylbenzene
Concen: 147.320 ug/l
RT: 12.261 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 699104

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.3	39.9

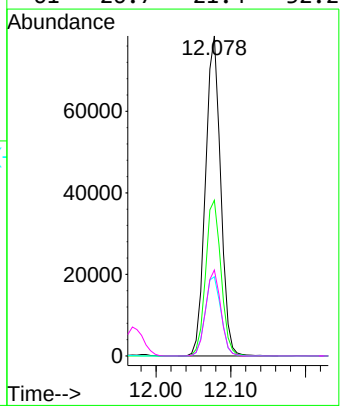


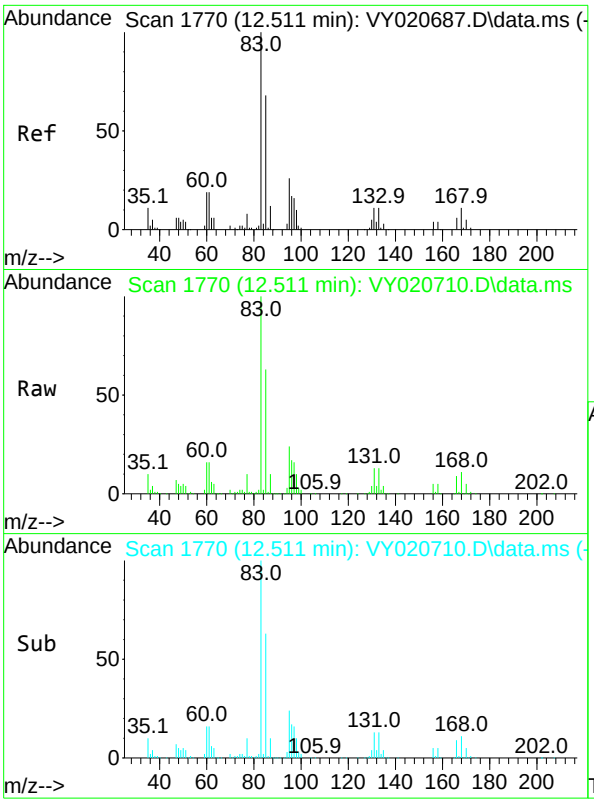


#74
N-amyl acetate
Concen: 164.040 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 43 Resp: 110622

Ion	Ratio	Lower	Upper
43	100		
70	49.4	39.7	59.5
55	25.9	21.5	32.3
61	26.7	21.4	32.2



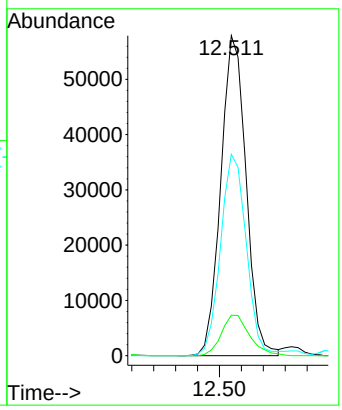


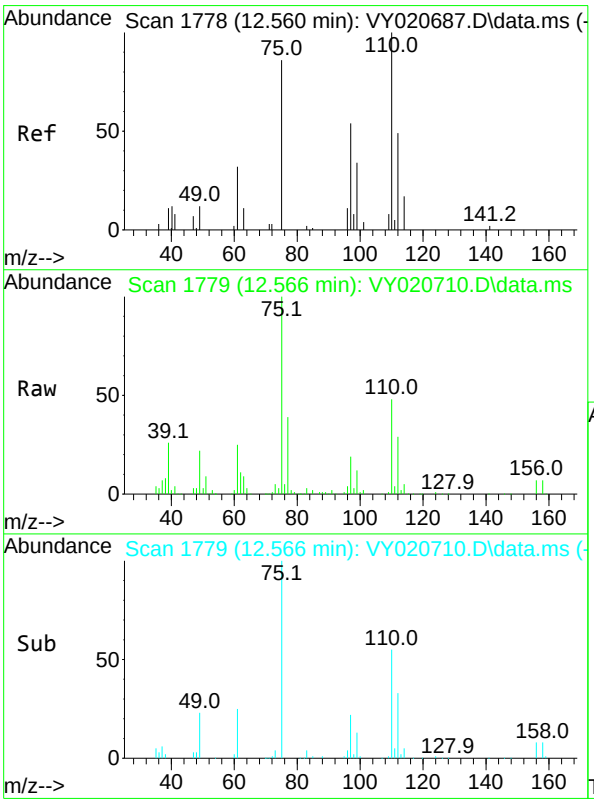
#75
1,1,2,2-Tetrachloroethane
Concen: 152.263 ug/l
RT: 12.511 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 92629

Ion	Ratio	Lower	Upper
83	100		
131	14.2	6.9	20.7
85	64.0	32.5	97.4

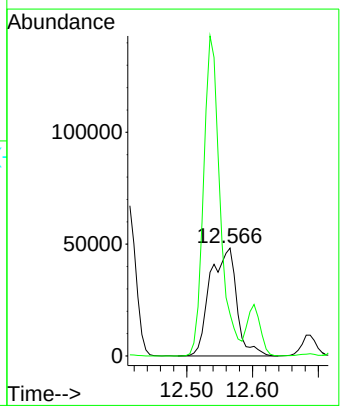


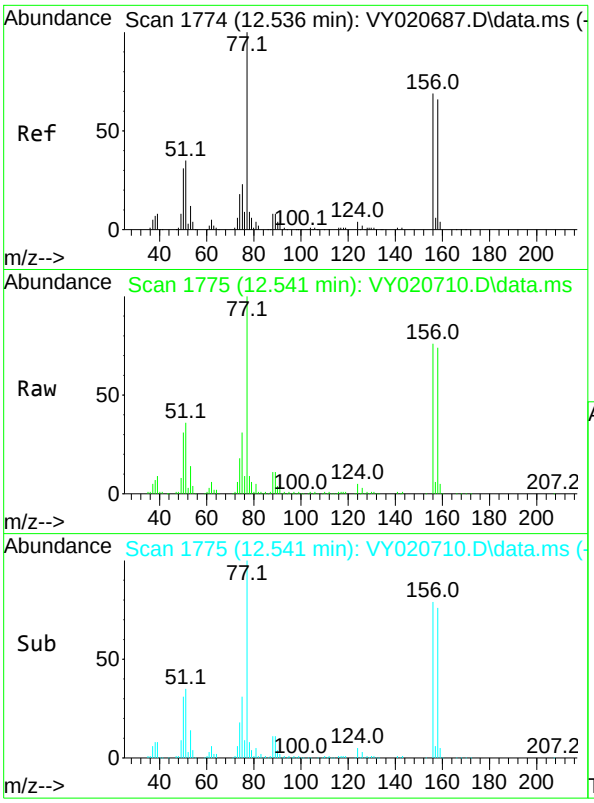


#76
1,2,3-Trichloropropane
Concen: 252.099 ug/l
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 75 Resp: 136207

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



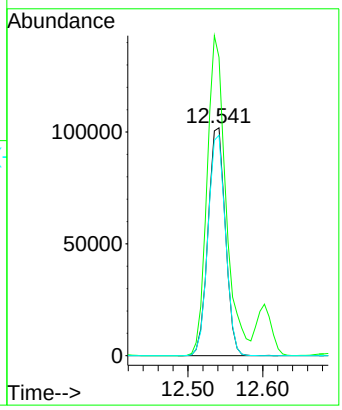


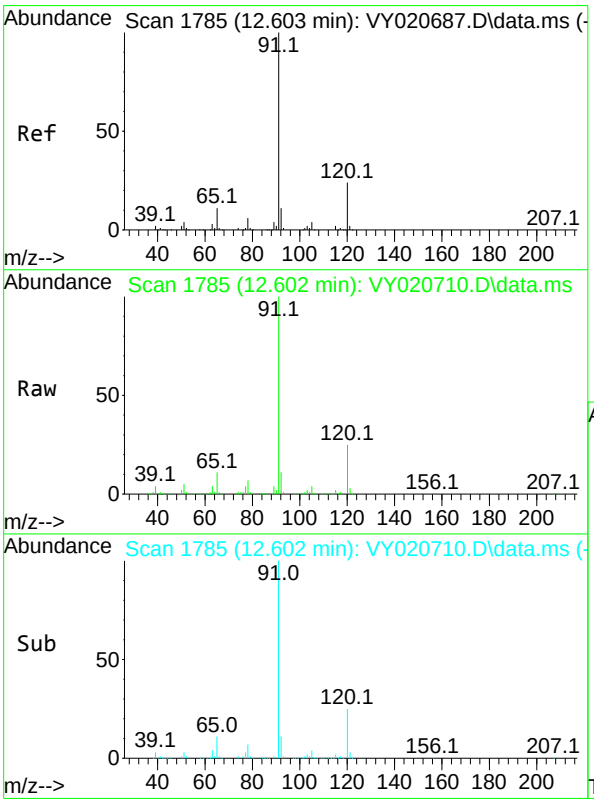
#77
Bromobenzene
Concen: 149.824 ug/l
RT: 12.541 min Scan# 1
Delta R.T. 0.005 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 163665

Ion	Ratio	Lower	Upper
156	100		
77	153.7	78.3	235.0
158	97.6	48.3	144.9

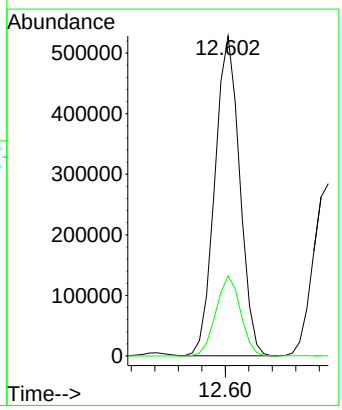


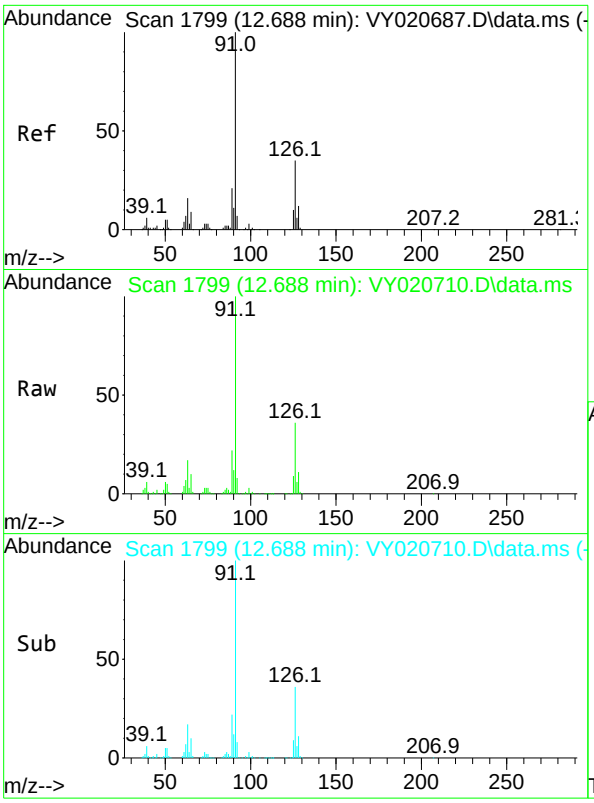


#78
n-propylbenzene
Concen: 145.797 ug/l
RT: 12.602 min Scan# 1785
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 91 Resp: 775459

Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.3	36.8



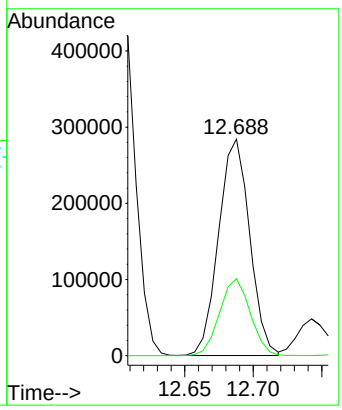


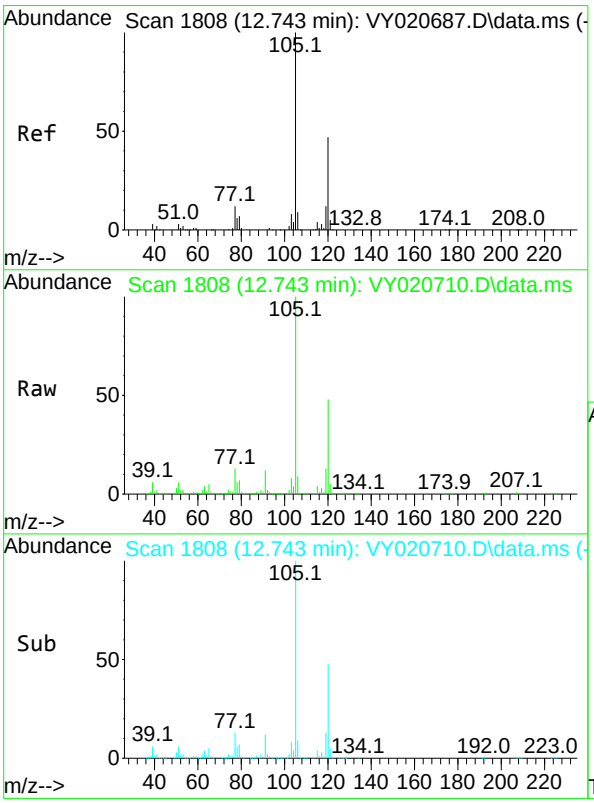
#79
2-Chlorotoluene
Concen: 147.735 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 447942

Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.8	53.3

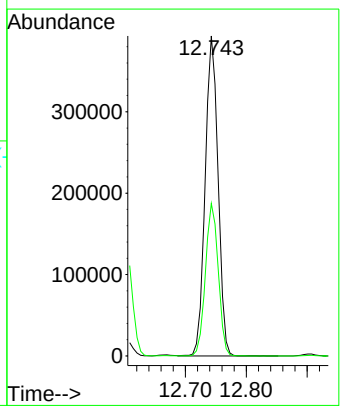


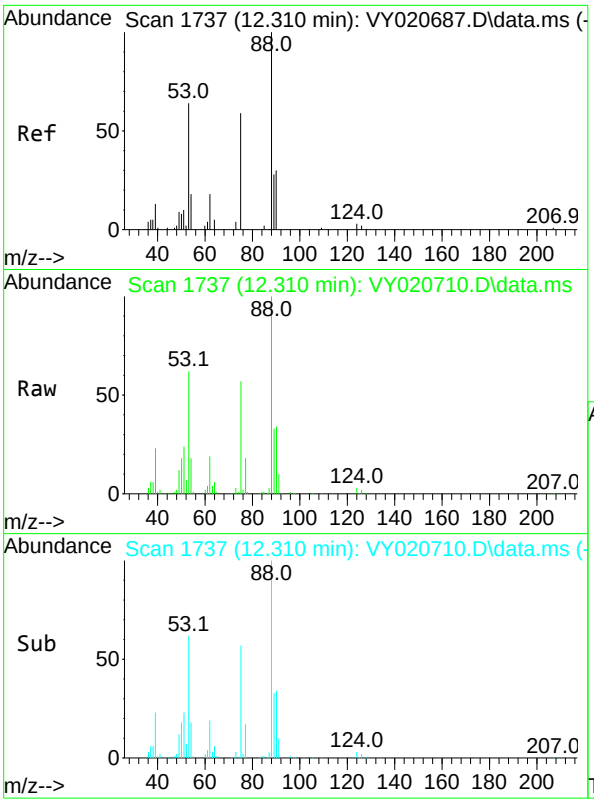


#80
1,3,5-Trimethylbenzene
Concen: 146.144 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:105 Resp: 577812

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.9	71.7



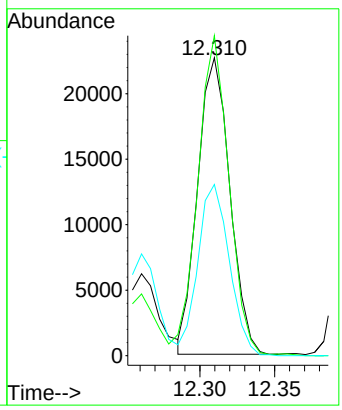


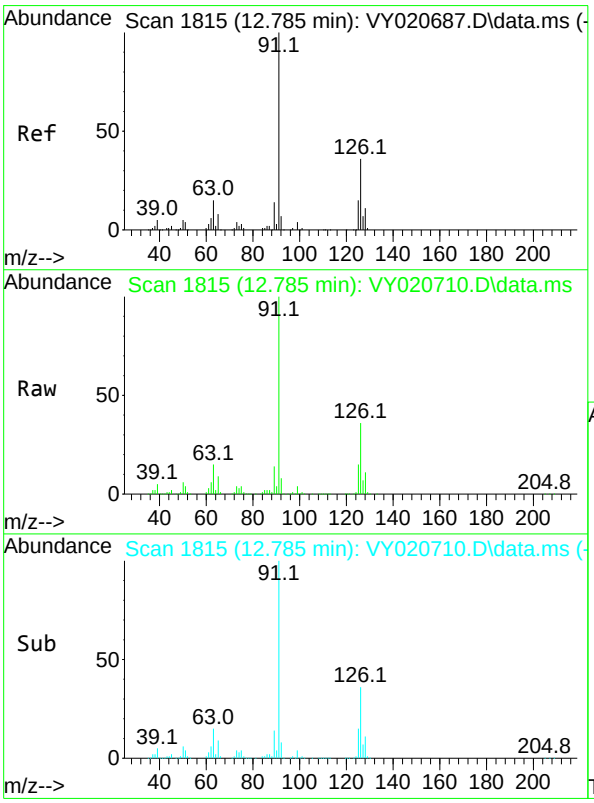
#81
trans-1,4-Dichloro-2-butene
Concen: 154.104 ug/l
RT: 12.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 33964

Ion	Ratio	Lower	Upper
75	100		
53	104.7	83.1	124.7
89	56.3	40.6	61.0

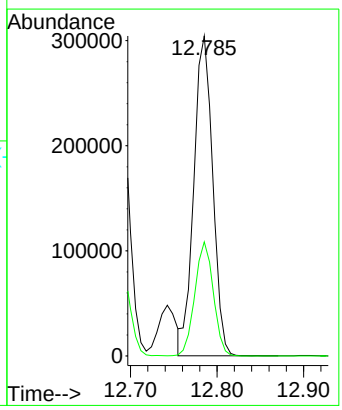


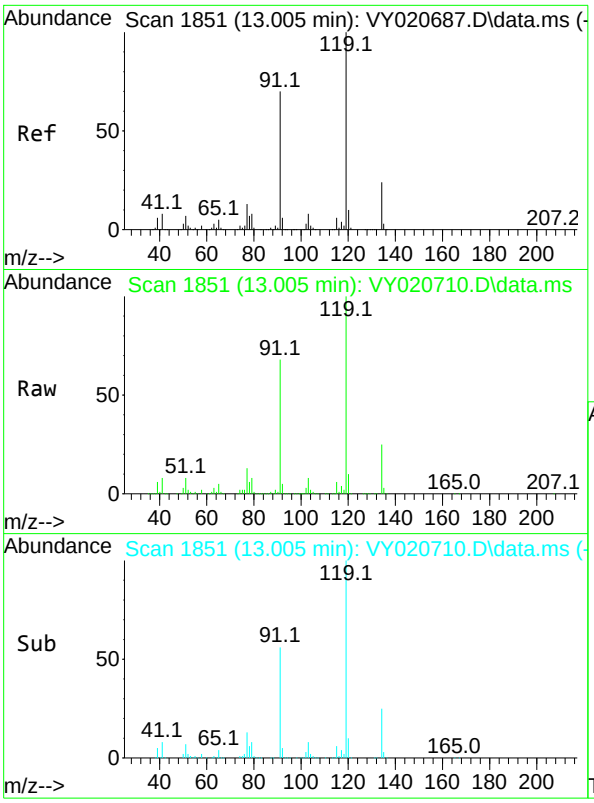


#82
4-Chlorotoluene
Concen: 146.900 ug/l
RT: 12.785 min Scan# 1815
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 91 Resp: 460319

Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.8	53.5



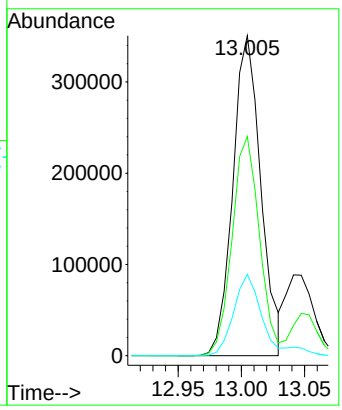


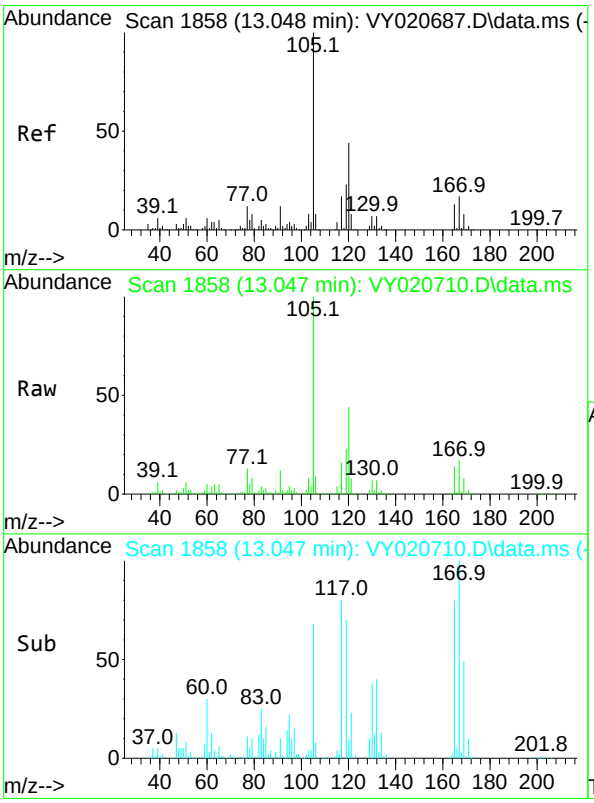
#83
tert-Butylbenzene
Concen: 146.461 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 540775

Ion	Ratio	Lower	Upper
119	100		
91	66.7	33.6	100.8
134	26.6	13.4	40.2

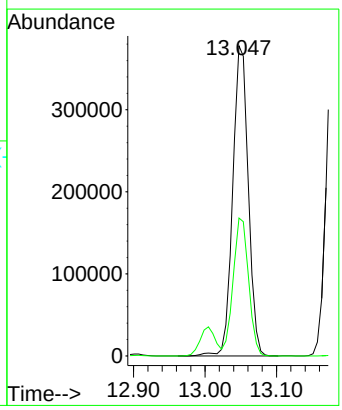


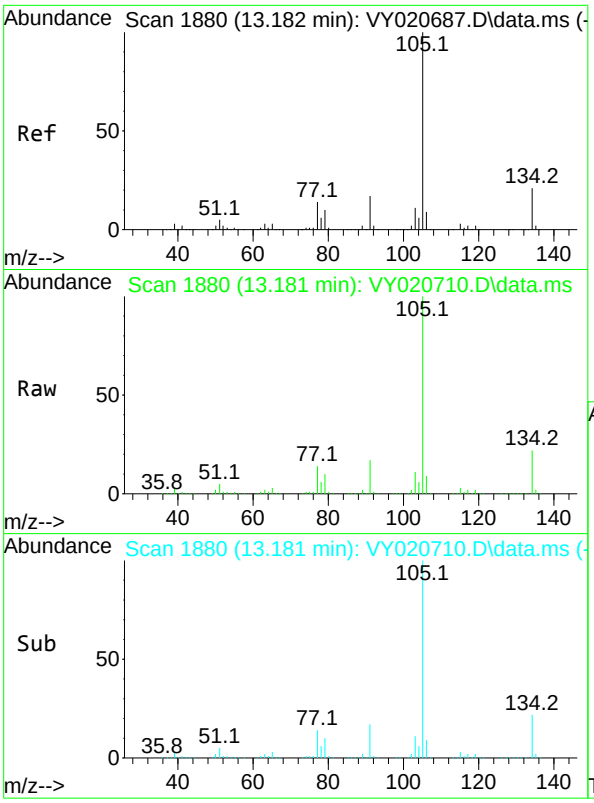


#84
1,2,4-Trimethylbenzene
Concen: 148.302 ug/l
RT: 13.047 min Scan# 1858
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:105 Resp: 570579

Ion	Ratio	Lower	Upper
105	100		
120	44.3	21.8	65.3



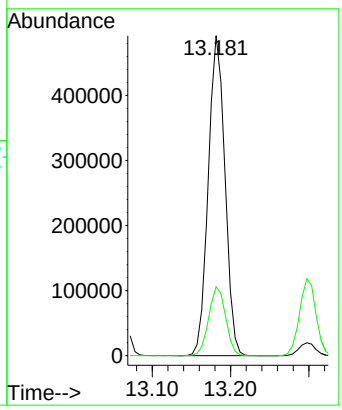


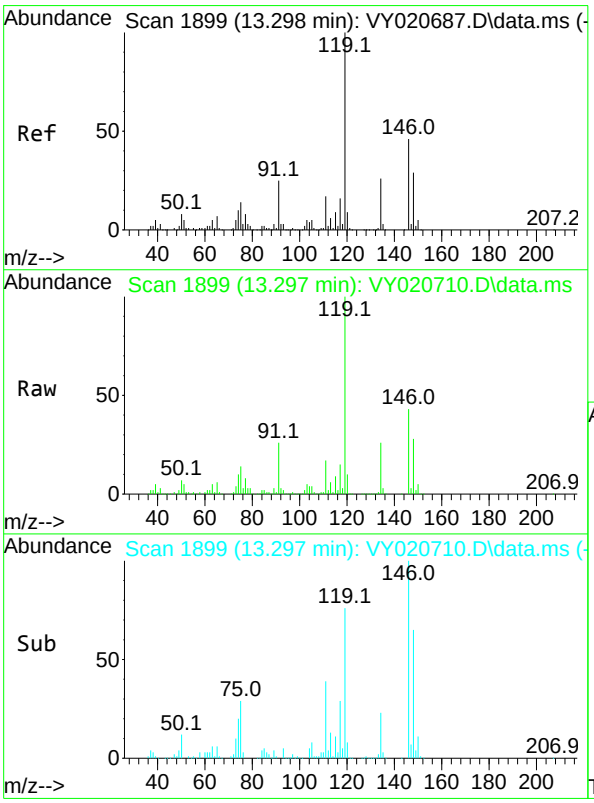
#85
sec-Butylbenzene
Concen: 146.177 ug/l
RT: 13.181 min Scan# 1
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 727401

Ion	Ratio	Lower	Upper
105	100		
134	21.8	10.7	32.1

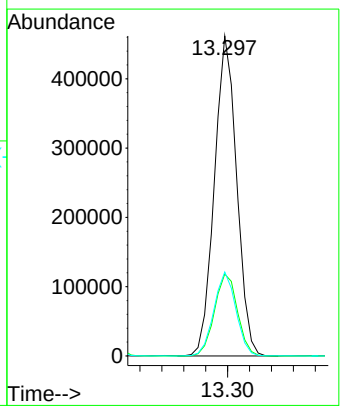


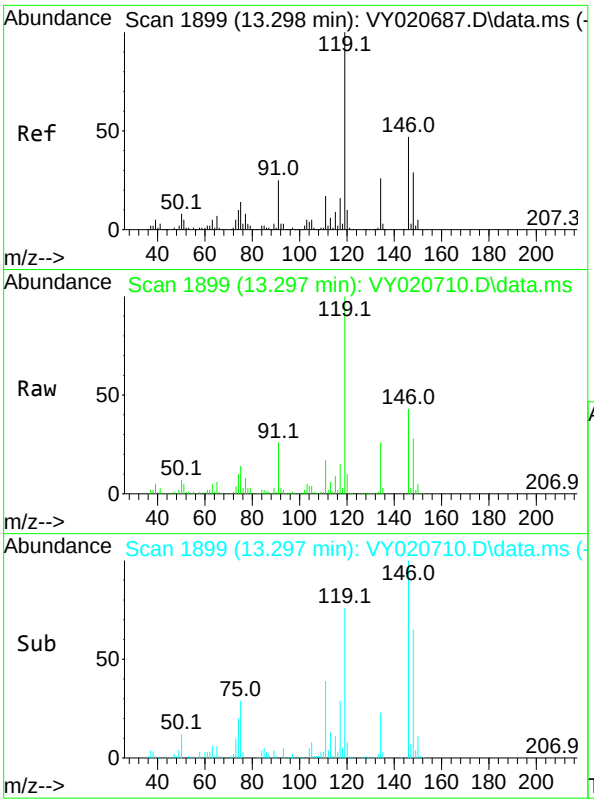


#86
p-Isopropyltoluene
Concen: 147.017 ug/l
RT: 13.297 min Scan# 1899
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:119 Resp: 651978

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.4	40.2
91	25.9	12.9	38.6



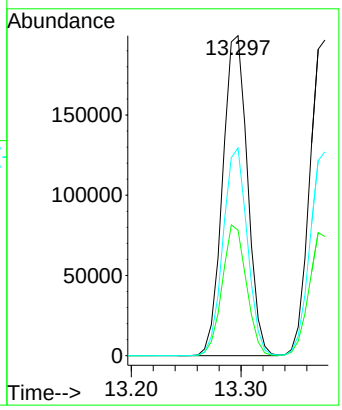


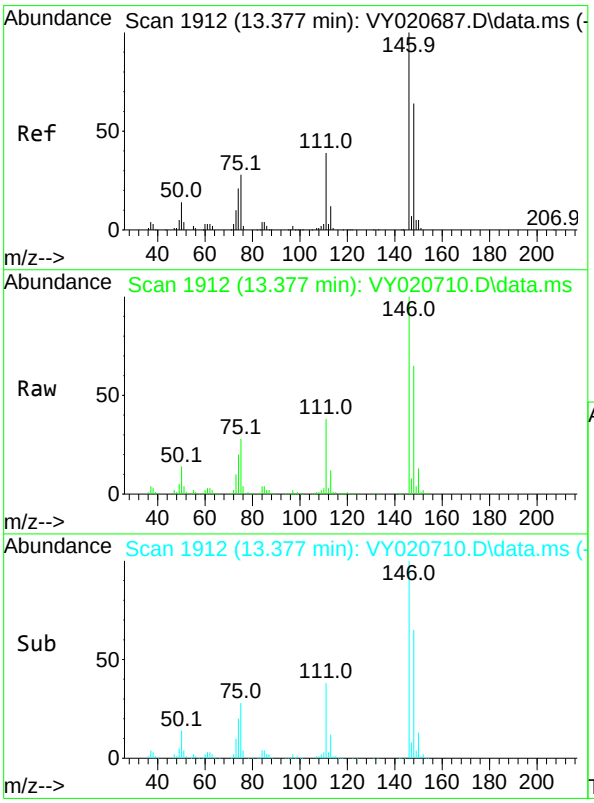
#87
1,3-Dichlorobenzene
Concen: 147.160 ug/l
RT: 13.297 min Scan# 1
Delta R.T. -0.001 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 314188

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.3	57.8
148	63.6	31.1	93.5

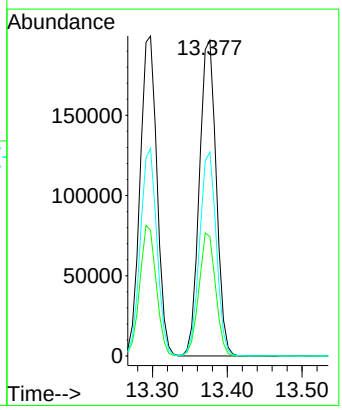


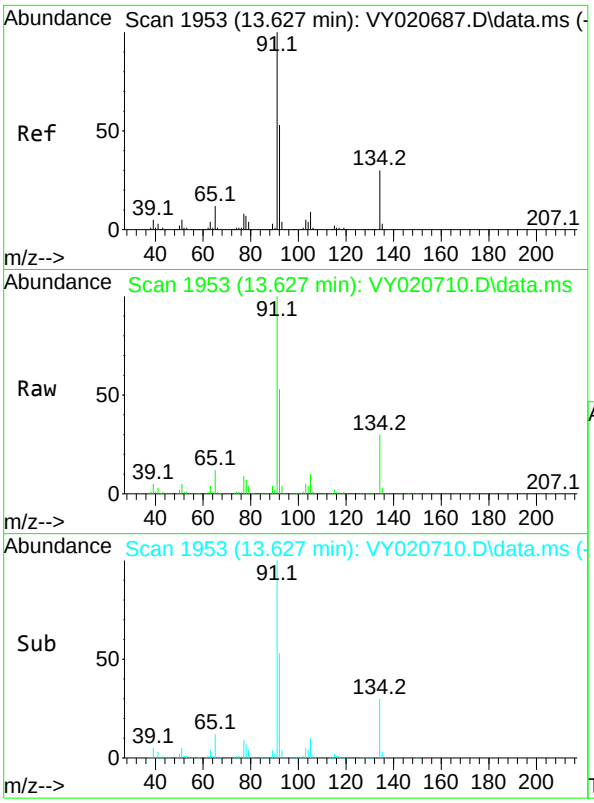


#88
1,4-Dichlorobenzene
Concen: 145.345 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:146 Resp: 308690

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.7	59.0
148	64.1	32.8	98.3



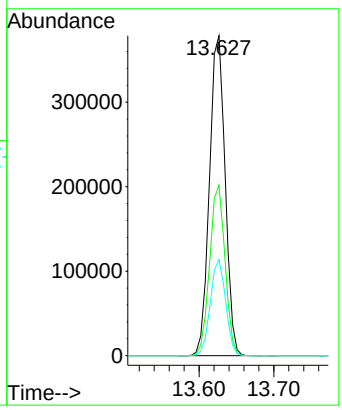


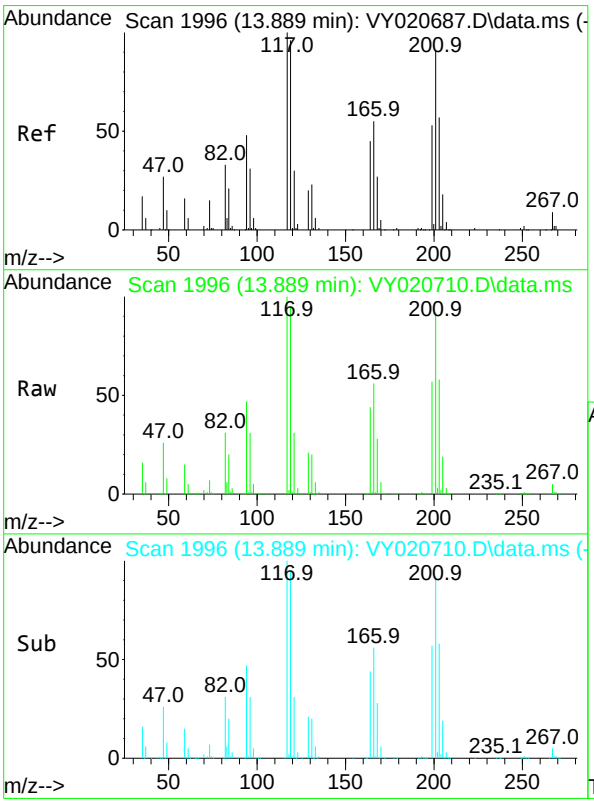
#89
n-Butylbenzene
Concen: 148.927 ug/l
RT: 13.627 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 551311

Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.1	78.2
134	29.4	14.8	44.4

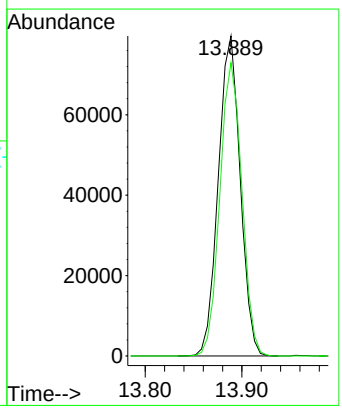


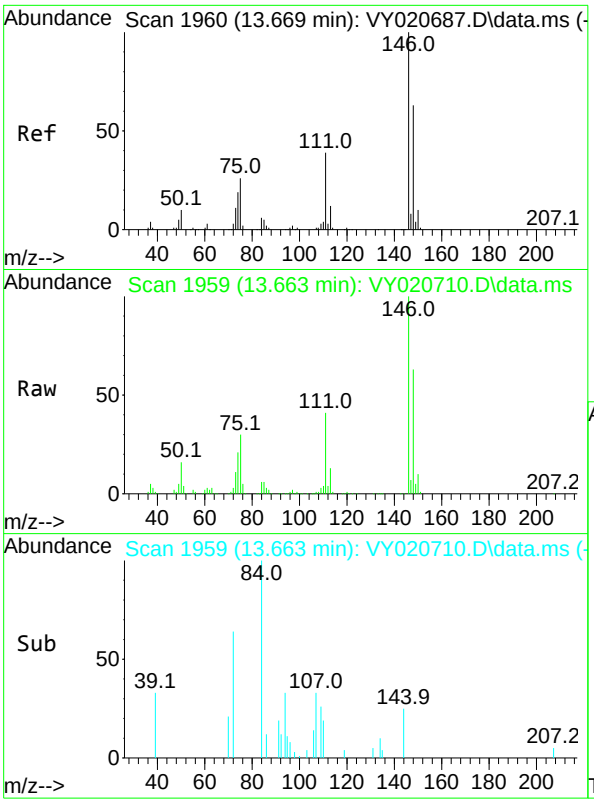


#90
Hexachloroethane
Concen: 148.318 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:117 Resp: 125073

Ion	Ratio	Lower	Upper
117	100		
201	92.2	44.9	134.7



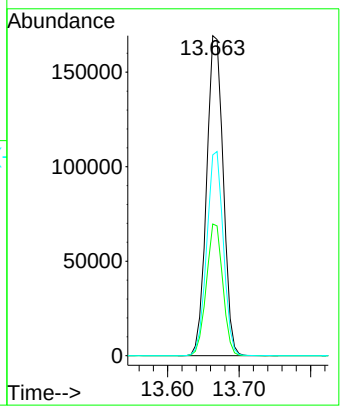


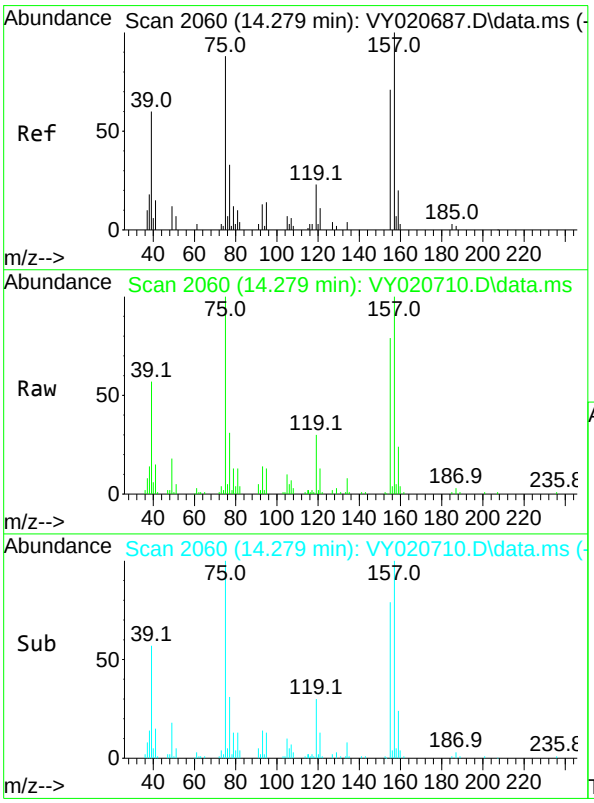
#91
1,2-Dichlorobenzene
Concen: 149.118 ug/l
RT: 13.663 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 272976

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	60.8
148	63.5	31.9	95.5

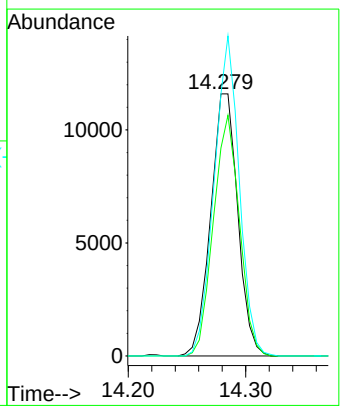


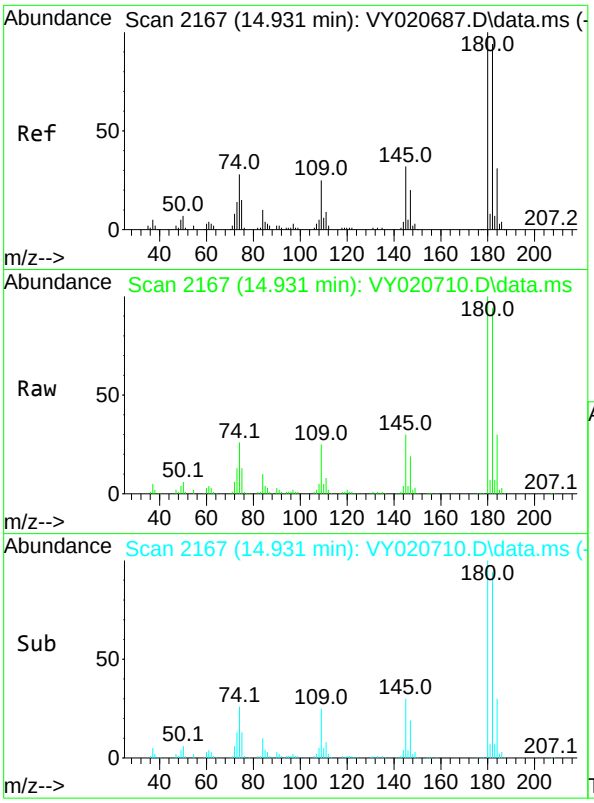


#92
1,2-Dibromo-3-Chloropropane
Concen: 157.429 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion: 75 Resp: 18575

Ion	Ratio	Lower	Upper
75	100		
155	87.9	43.4	130.2
157	113.0	58.6	175.7



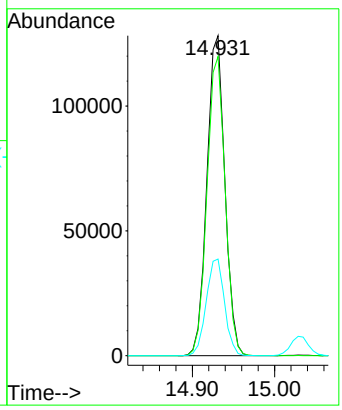


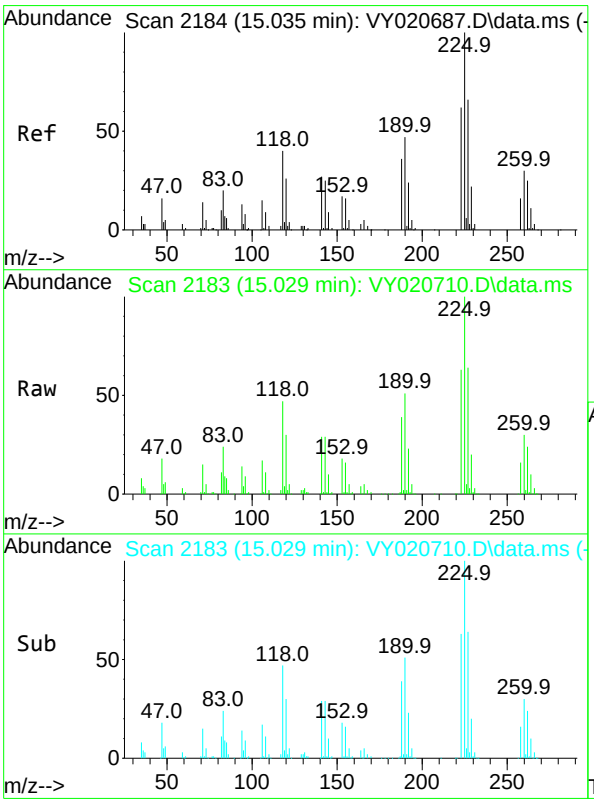
#93
1,2,4-Trichlorobenzene
Concen: 167.268 ug/l
RT: 14.931 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 194628

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.7
145	30.9	15.6	46.8

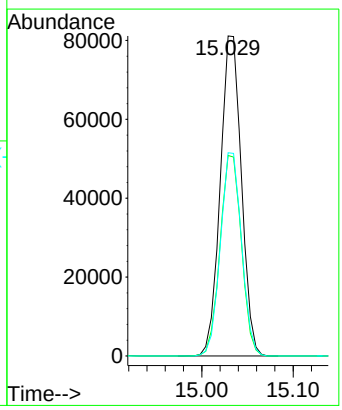


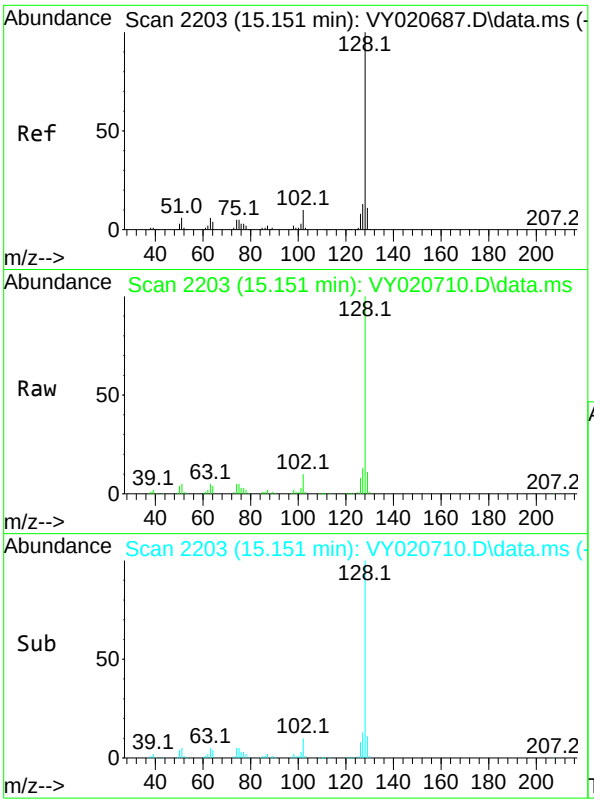


#94
Hexachlorobutadiene
Concen: 153.785 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.006 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:225 Resp: 130414

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.3	93.8
227	63.6	32.1	96.5



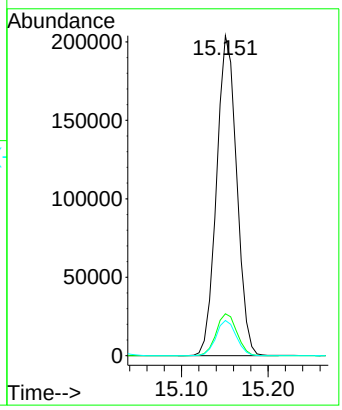


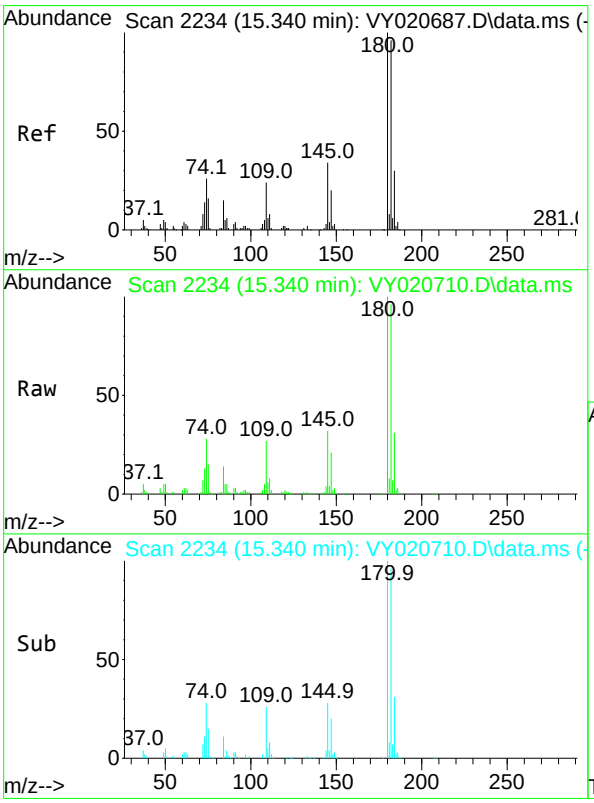
#95
Naphthalene
Concen: 176.838 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 329555

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	11.0	8.6	12.8

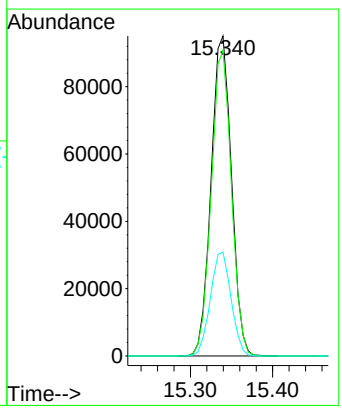




#96
1,2,3-Trichlorobenzene
Concen: 168.727 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. -0.000 min
Lab File: VY020710.D
Acq: 26 Dec 2024 11:01

Tgt Ion:180 Resp: 163465

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.4	142.2
145	33.0	16.7	50.1



Quantitation Report (Not Reviewed)

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Data File : VY020711.D
Acq On : 26 Dec 2024 11:51
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Dec 26 16:07:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	116833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	159804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	137258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	69727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	106883	111.689	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 223.380%#			
35) Dibromofluoromethane	7.646	113	98131	111.484	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 222.960%#			
50) Toluene-d8	10.115	98	370174	103.831	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 207.660%#			
62) 4-Bromofluorobenzene	12.414	95	126890	108.473	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 216.940%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	89983	97.849	ug/l	98
3) Chloromethane	2.074	50	36325	105.914	ug/l	97
4) Vinyl Chloride	2.214	62	42335	99.628	ug/l	99
5) Bromomethane	2.605	94	32346	100.819	ug/l	92
6) Chloroethane	2.745	64	25930	101.721	ug/l	92
7) Trichlorofluoromethane	3.074	101	160967	98.505	ug/l	97
8) Diethyl Ether	3.464	74	40852	105.059	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	89952	100.269	ug/l	98
10) Methyl Iodide	4.019	142	105224	107.262	ug/l	99
11) Tert butyl alcohol	4.872	59	27117	471.856	ug/l #	76
12) 1,1-Dichloroethene	3.799	96	80482	100.793	ug/l	98
13) Acrolein	3.665	56	6965	348.166	ug/l	98
14) Allyl chloride	4.397	41	96335	103.097	ug/l	97
15) Acrylonitrile	5.074	53	74874	498.444	ug/l	98
16) Acetone	3.879	43	53244	438.581	ug/l	99
17) Carbon Disulfide	4.116	76	207648	106.011	ug/l	99
18) Methyl Acetate	4.397	43	32722	99.589	ug/l	99
19) Methyl tert-butyl Ether	5.128	73	222187	99.833	ug/l	100
20) Methylene Chloride	4.629	84	78882	99.904	ug/l	95
21) trans-1,2-Dichloroethene	5.128	96	88224	102.532	ug/l	97
22) Diisopropyl ether	6.037	45	191362	100.743	ug/l	97
23) Vinyl Acetate	5.976	43	574176	506.073	ug/l	100
24) 1,1-Dichloroethane	5.927	63	144777	101.659	ug/l	99
25) 2-Butanone	6.903	43	78288	477.386	ug/l	97
26) 2,2-Dichloropropane	6.896	77	169441	97.206	ug/l	99
27) cis-1,2-Dichloroethene	6.903	96	104390	101.307	ug/l	97
28) Bromochloromethane	7.256	49	42948	114.037	ug/l	95
29) Tetrahydrofuran	7.274	42	48175	478.582	ug/l	94
30) Chloroform	7.433	83	178101	97.216	ug/l	97
31) Cyclohexane	7.713	56	111954	91.072	ug/l	98
32) 1,1,1-Trichloroethane	7.628	97	194164	98.873	ug/l	99
36) 1,1-Dichloropropene	7.848	75	118213	101.669	ug/l	99
37) Ethyl Acetate	6.994	43	37453	97.751	ug/l	97
38) Carbon Tetrachloride	7.829	117	193743	101.190	ug/l	98
39) Methylcyclohexane	9.116	83	151388	101.582	ug/l	96
40) Benzene	8.091	78	346286	102.763	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020711.D
Acq On : 26 Dec 2024 11:51
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Dec 26 16:07:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	20832	107.636	ug/l		96
42) 1,2-Dichloroethane	8.165	62	111130	102.849	ug/l		99
43) Isopropyl Acetate	8.207	43	83521	102.557	ug/l	#	86
44) Trichloroethene	8.872	130	101237	100.585	ug/l		95
45) 1,2-Dichloropropane	9.146	63	67508	98.968	ug/l		98
46) Dibromomethane	9.238	93	47179	99.962	ug/l		99
47) Bromodichloromethane	9.427	83	134627	100.613	ug/l		96
48) Methyl methacrylate	9.225	41	39672	104.314	ug/l		97
49) 1,4-Dioxane	9.244	88	9130	2030.846	ug/l		97
51) 4-Methyl-2-Pentanone	10.006	43	194141	493.895	ug/l		99
52) Toluene	10.176	92	236867	102.558	ug/l		100
53) t-1,3-Dichloropropene	10.402	75	123413	105.012	ug/l		99
54) cis-1,3-Dichloropropene	9.865	75	132154	102.590	ug/l		97
55) 1,1,2-Trichloroethane	10.579	97	60063	99.697	ug/l		99
56) Ethyl methacrylate	10.445	69	82573	104.330	ug/l		98
57) 1,3-Dichloropropane	10.725	76	100785	103.074	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.719	63	151207	547.868	ug/l		99
59) 2-Hexanone	10.768	43	132885	512.015	ug/l		99
60) Dibromochloromethane	10.920	129	99612	102.326	ug/l		99
61) 1,2-Dibromoethane	11.024	107	56939	100.443	ug/l		100
64) Tetrachloroethene	10.652	164	95043	101.351	ug/l		97
65) Chlorobenzene	11.451	112	270485	100.641	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.524	131	105235	101.066	ug/l		98
67) Ethyl Benzene	11.524	91	478506	101.867	ug/l		99
68) m/p-Xylenes	11.633	106	366100	204.314	ug/l		100
69) o-Xylene	11.963	106	173536	101.366	ug/l		99
70) Styrene	11.975	104	294999	102.647	ug/l		99
71) Bromoform	12.139	173	60872	101.685	ug/l	#	98
73) Isopropylbenzene	12.261	105	484532	100.300	ug/l		100
74) N-amyl acetate	12.078	43	72233	105.221	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	60116	97.073	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	90486	164.517	ug/l	#	100
77) Bromobenzene	12.542	156	112291	100.978	ug/l		97
78) n-propylbenzene	12.603	91	544130	100.496	ug/l		100
79) 2-Chlorotoluene	12.688	91	310413	100.568	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	404786	100.572	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	23063	102.794	ug/l		97
82) 4-Chlorotoluene	12.786	91	322204	101.007	ug/l		99
83) tert-Butylbenzene	13.005	119	374773	99.709	ug/l		100
84) 1,2,4-Trimethylbenzene	13.048	105	399805	102.079	ug/l		100
85) sec-Butylbenzene	13.182	105	509425	100.564	ug/l		99
86) p-Isopropyltoluene	13.298	119	454433	100.661	ug/l		99
87) 1,3-Dichlorobenzene	13.298	146	220131	101.283	ug/l		99
88) 1,4-Dichlorobenzene	13.377	146	216013	99.911	ug/l		98
89) n-Butylbenzene	13.627	91	384958	102.152	ug/l		100
90) Hexachloroethane	13.889	117	87162	101.535	ug/l		97
91) 1,2-Dichlorobenzene	13.670	146	187803	100.778	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	12047	100.298	ug/l		98
93) 1,2,4-Trichlorobenzene	14.932	180	131697	111.184	ug/l		100
94) Hexachlorobutadiene	15.029	225	91705	106.228	ug/l		98
95) Naphthalene	15.151	128	210953	111.196	ug/l		100
96) 1,2,3-Trichlorobenzene	15.340	180	109793	111.325	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020711.D
Acq On : 26 Dec 2024 11:51
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Dec 26 16:07:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration

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

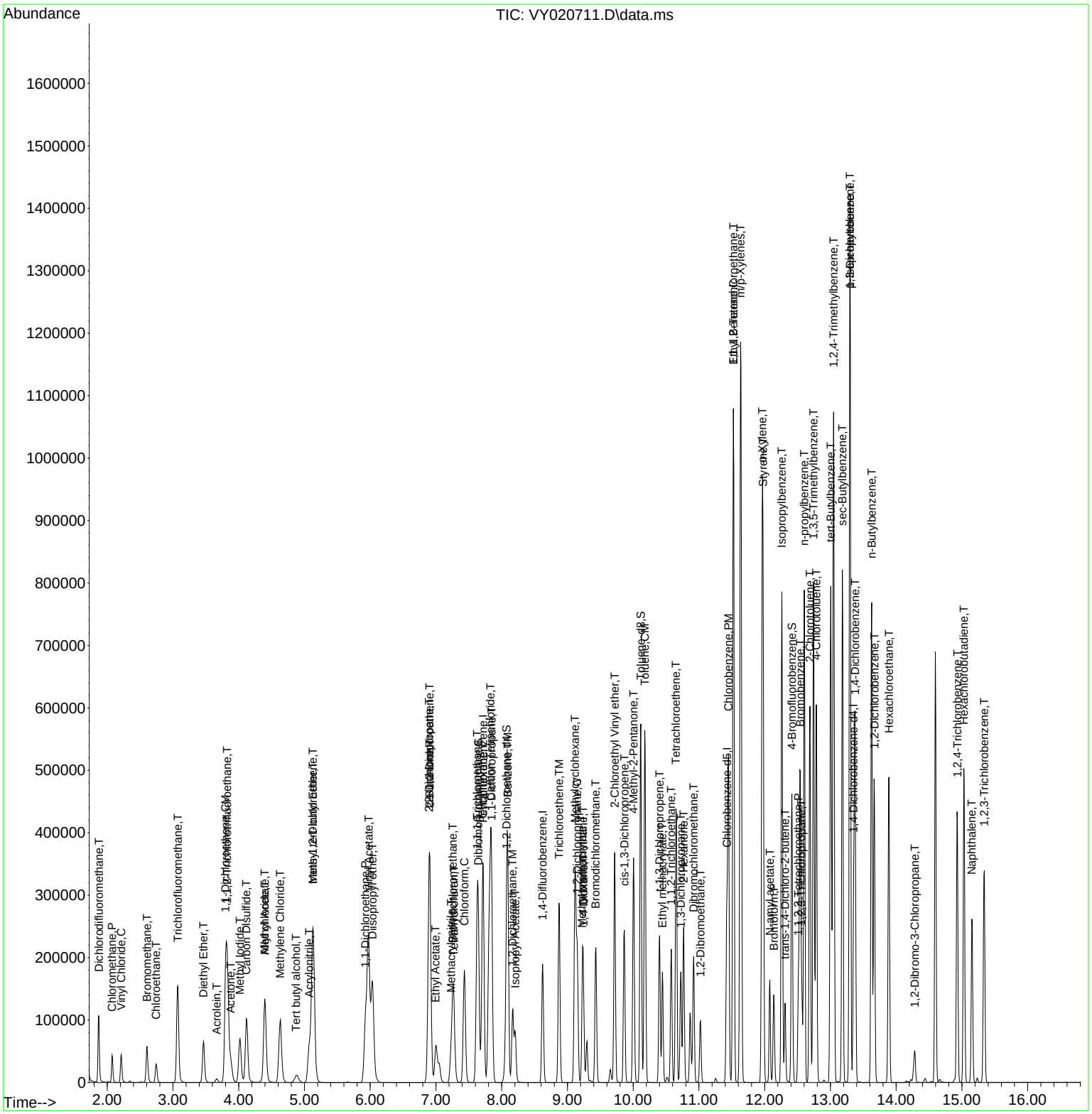
(#) = qualifier out of range (m) = manual integration (+) = signals summed

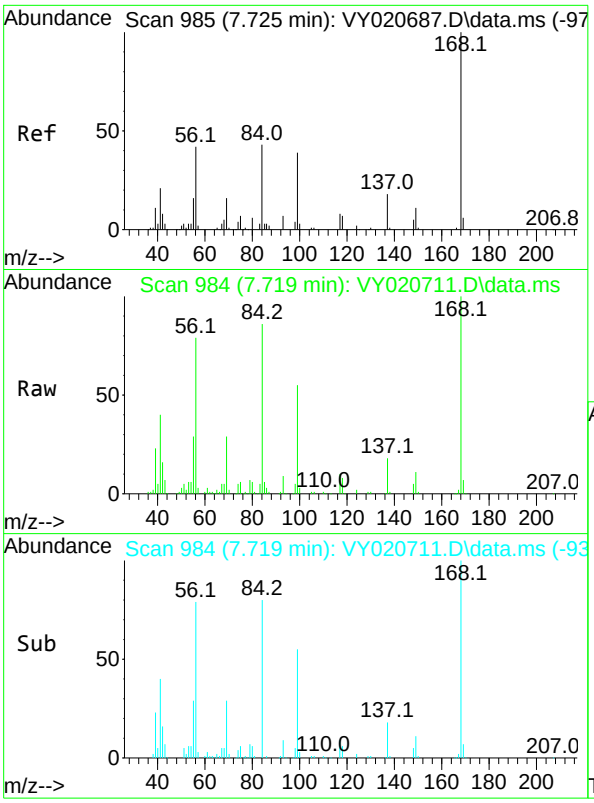
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020711.D
Acq On : 26 Dec 2024 11:51
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Dec 26 16:07:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:03:55 2024
Response via : Initial Calibration



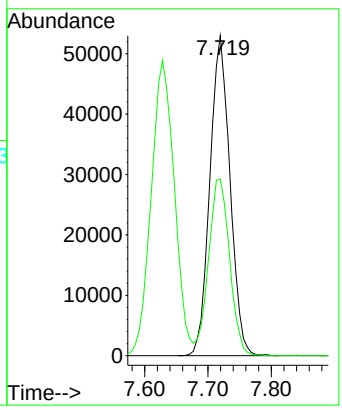


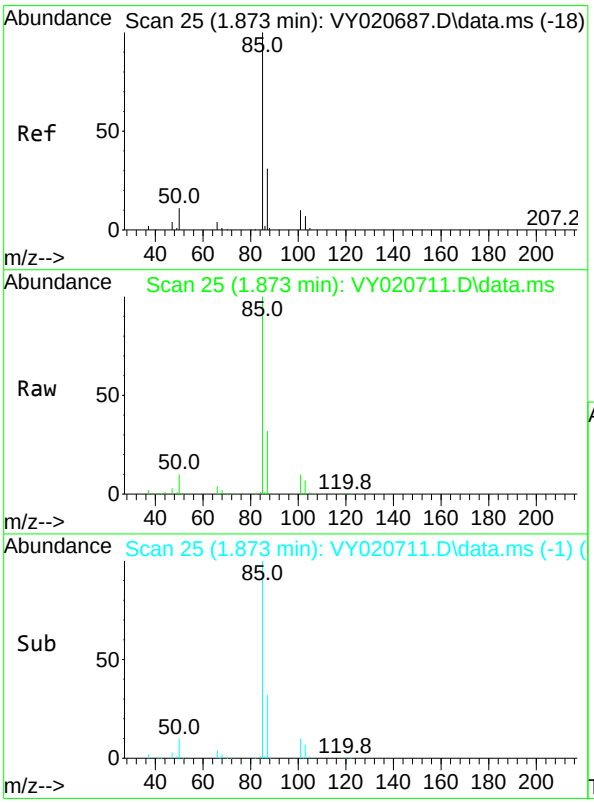
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 116833

Ion	Ratio	Lower	Upper
168	100		
99	55.1	43.8	65.6

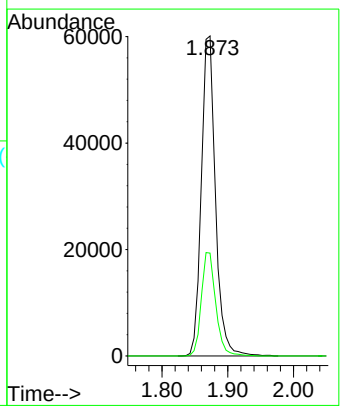


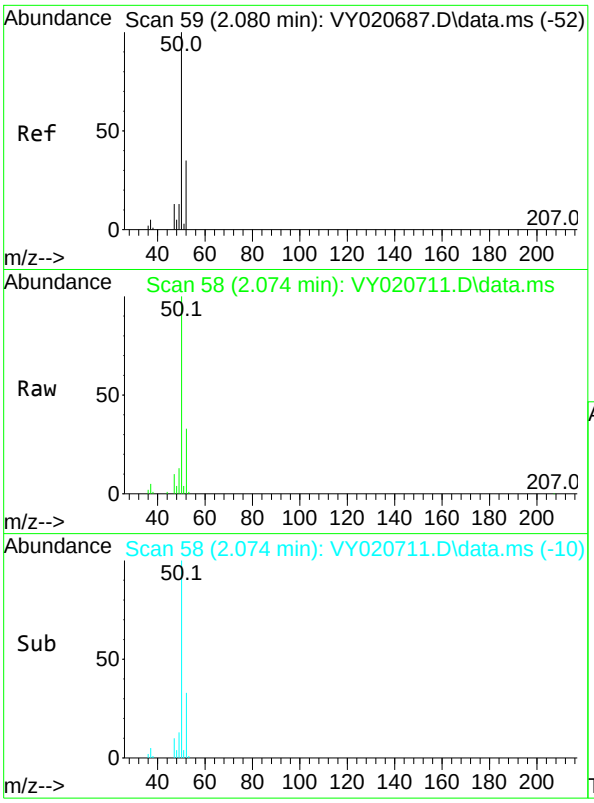


#2
Dichlorodifluoromethane
Concen: 97.849 ug/l
RT: 1.873 min Scan# 25
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 85 Resp: 89983

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.4	46.4



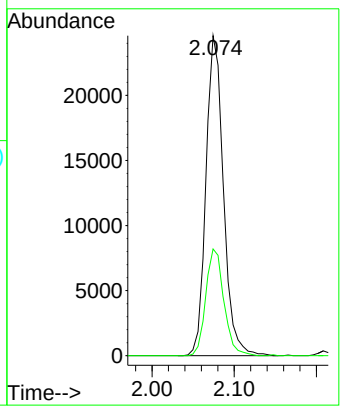


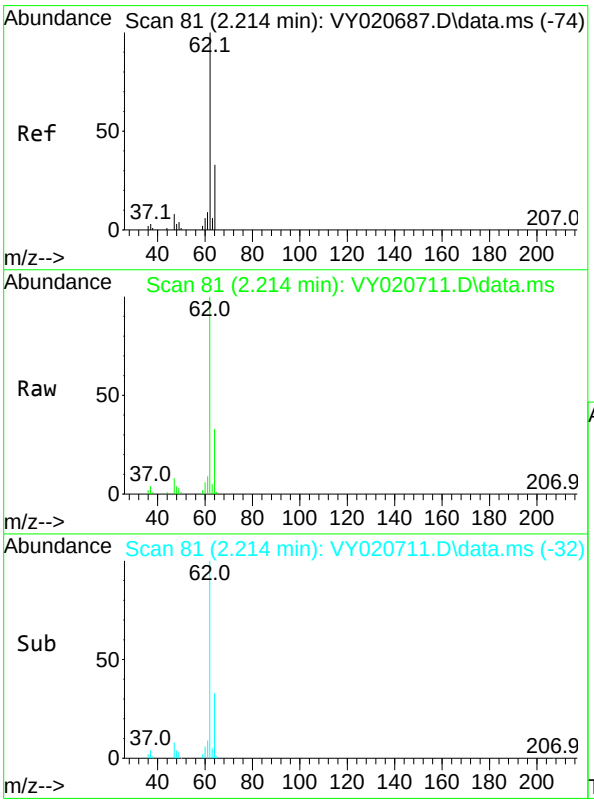
#3
Chloromethane
Concen: 105.914 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 36325

Ion	Ratio	Lower	Upper
50	100		
52	33.4	28.2	42.2

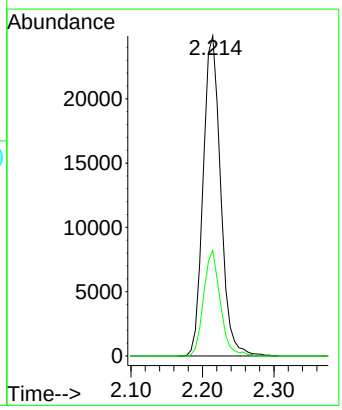


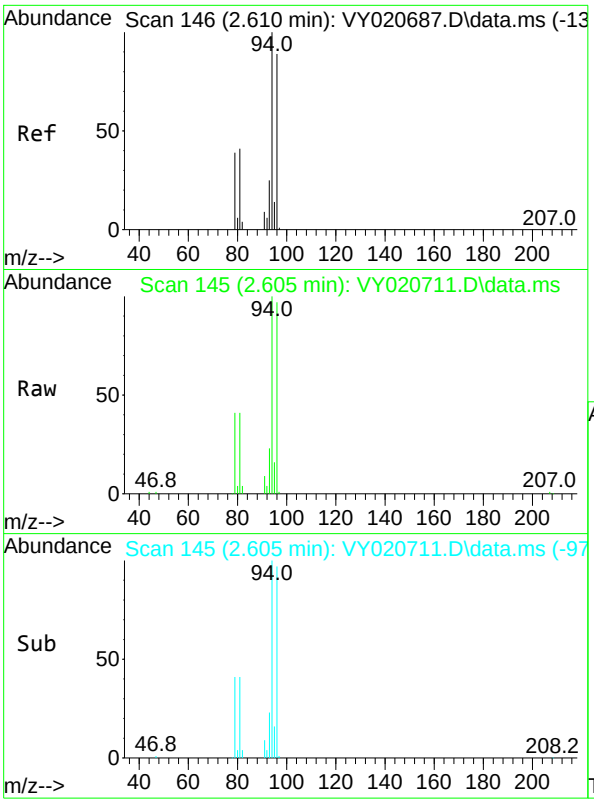


#4
Vinyl Chloride
Concen: 99.628 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 62 Resp: 42335

Ion	Ratio	Lower	Upper
62	100		
64	32.9	26.6	40.0



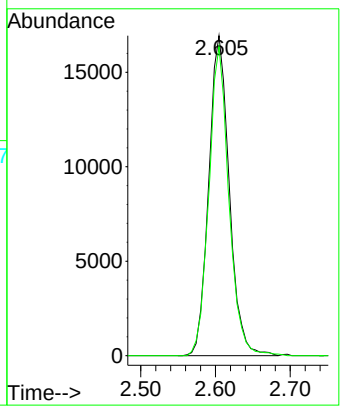


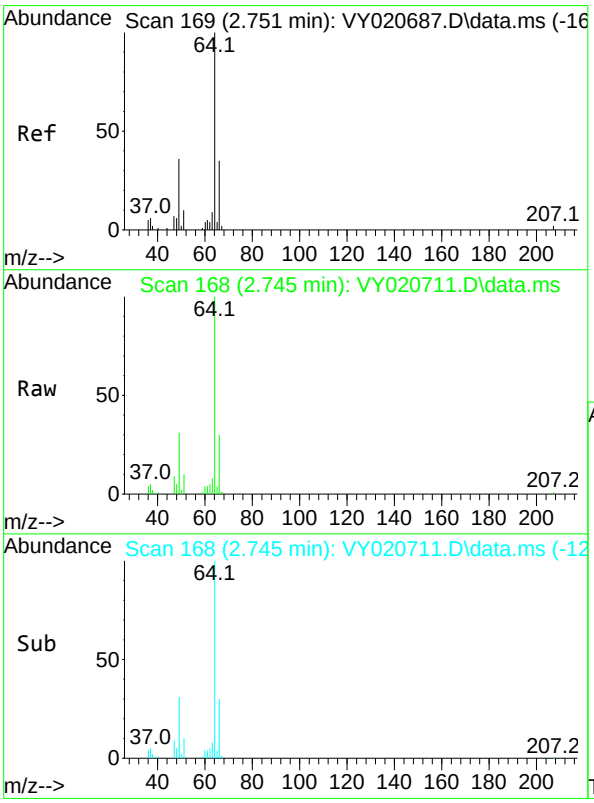
#5
Bromomethane
Concen: 100.819 ug/l
RT: 2.605 min Scan# 14
Delta R.T. -0.005 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 32346

Ion	Ratio	Lower	Upper
94	100		
96	96.5	71.0	106.6

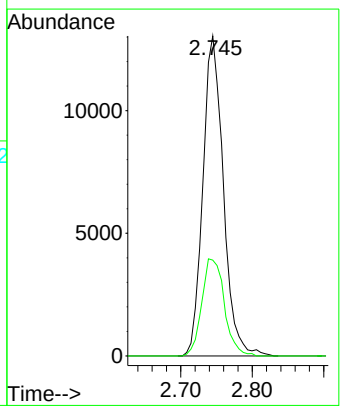


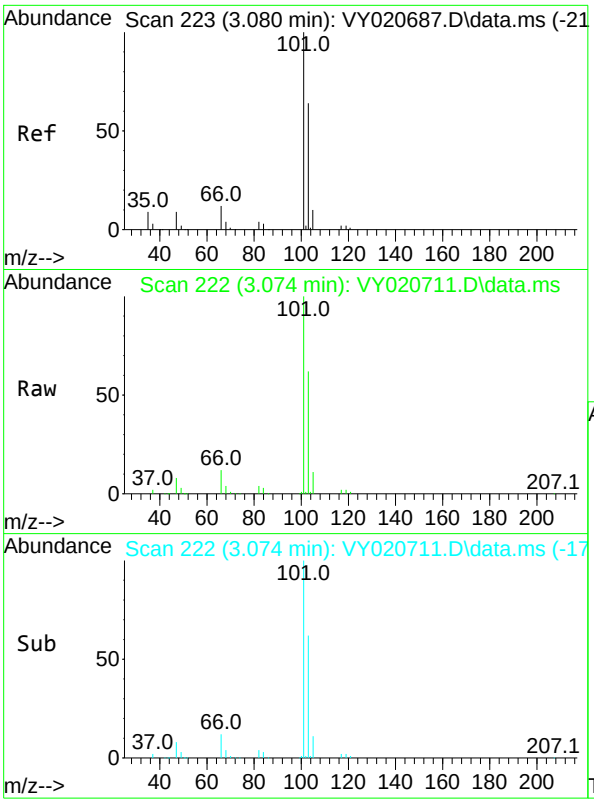


#6
Chloroethane
Concen: 101.721 ug/l
RT: 2.745 min Scan# 168
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 64 Resp: 25930

Ion	Ratio	Lower	Upper
64	100		
66	30.0	27.8	41.8



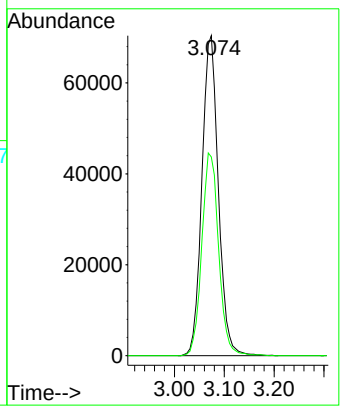


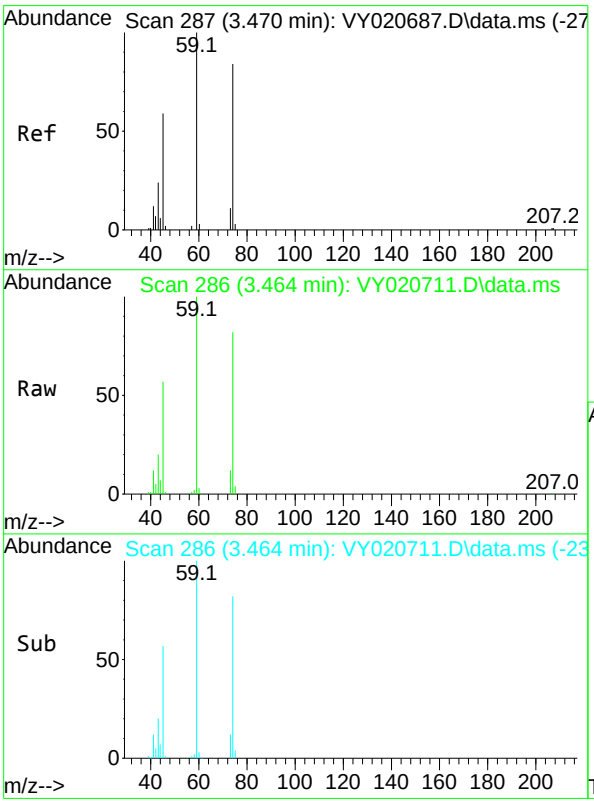
#7
Trichlorofluoromethane
Concen: 98.505 ug/l
RT: 3.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 160967

Ion	Ratio	Lower	Upper
101	100		
103	62.1	51.4	77.0

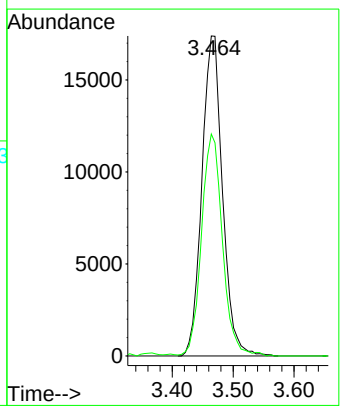


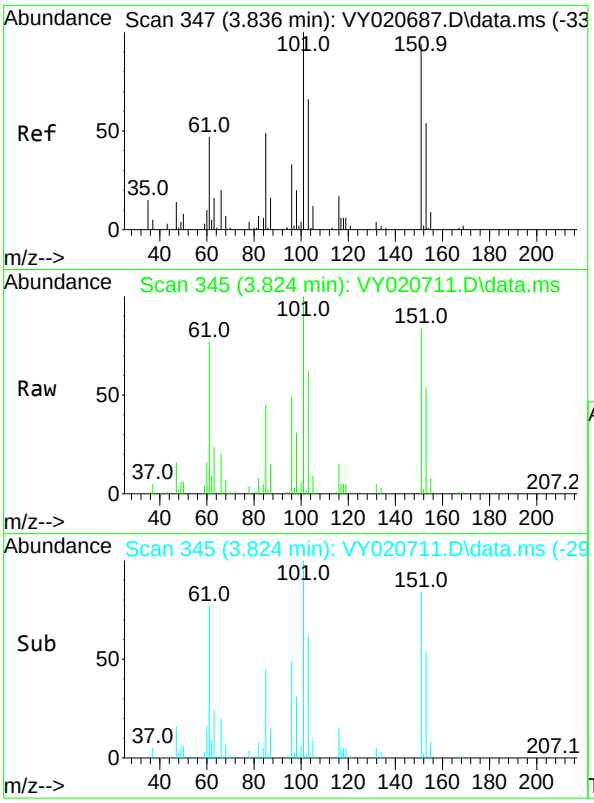


#8
Diethyl Ether
Concen: 105.059 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 74 Resp: 40852

Ion	Ratio	Lower	Upper
74	100		
45	70.5	35.8	107.4



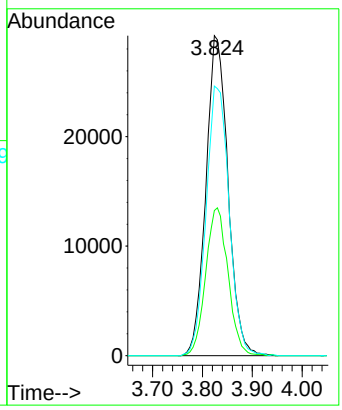


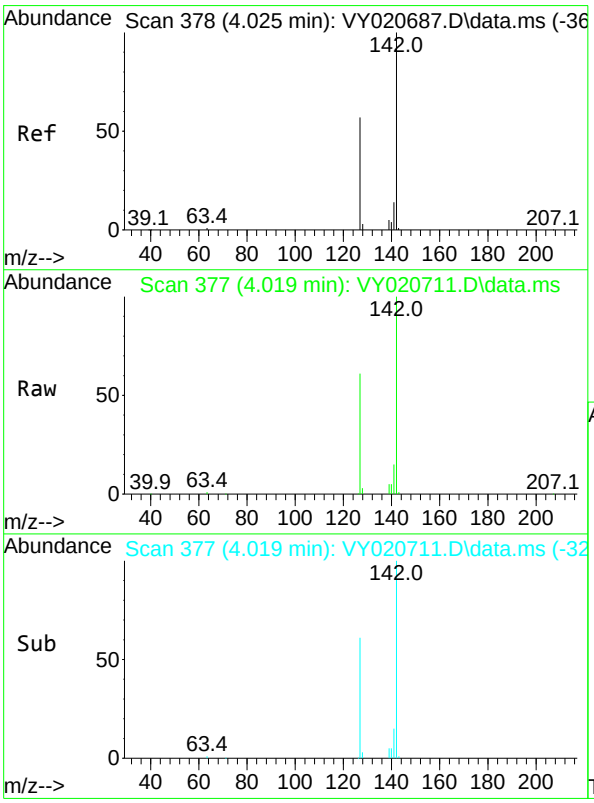
#9
1,1,2-Trichlorotrifluoroethane
Concen: 100.269 ug/l
RT: 3.824 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 89952

Ion	Ratio	Lower	Upper
101	100		
85	46.8	38.2	57.2
151	87.9	68.4	102.6

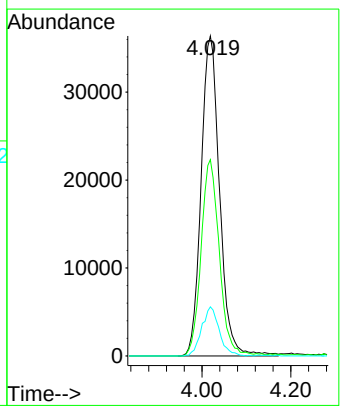


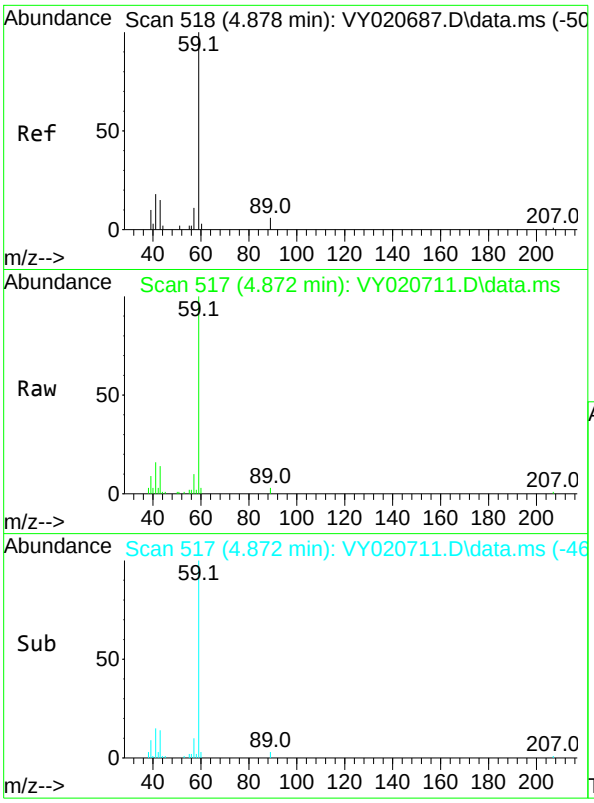


#10
Methyl Iodide
Concen: 107.262 ug/l
RT: 4.019 min Scan# 377
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:142 Resp: 105224

Ion	Ratio	Lower	Upper
142	100		
127	60.4	48.8	73.2
141	14.6	11.9	17.9



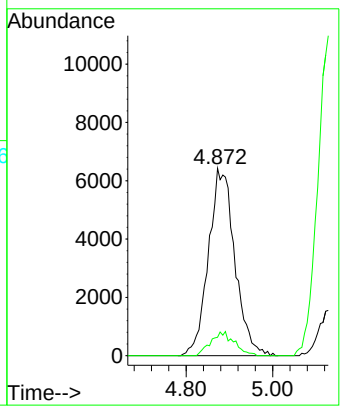


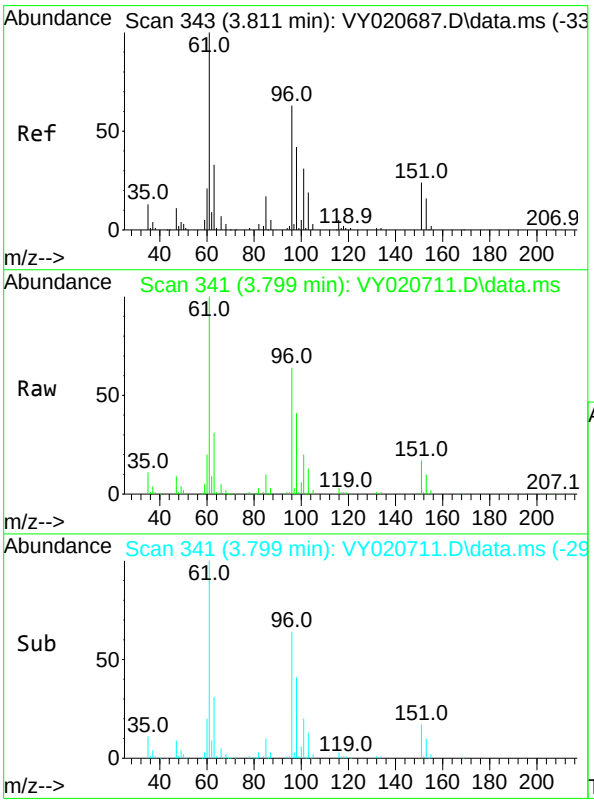
#11
Tert butyl alcohol
Concen: 471.856 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 27117

Ion	Ratio	Lower	Upper
59	100		
57	11.5	2.8	4.2#

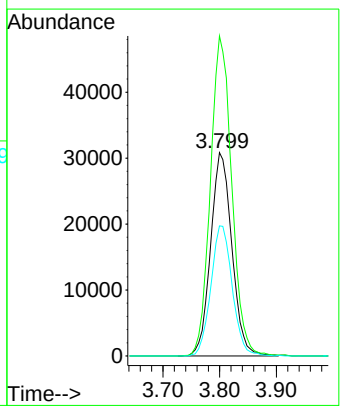


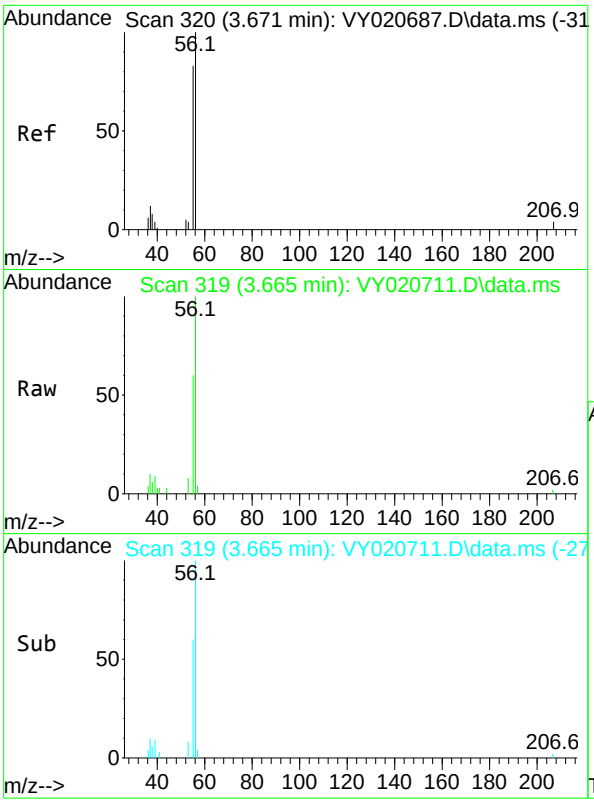


#12
1,1-Dichloroethene
Concen: 100.793 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.012 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 96 Resp: 80482

Ion	Ratio	Lower	Upper
96	100		
61	157.3	127.1	190.7
98	63.9	53.4	80.0



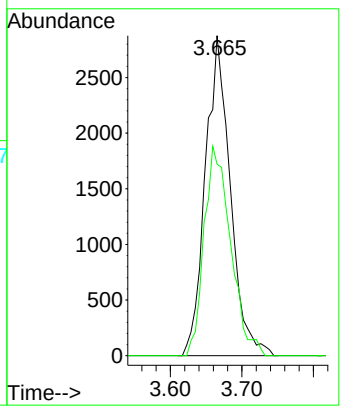


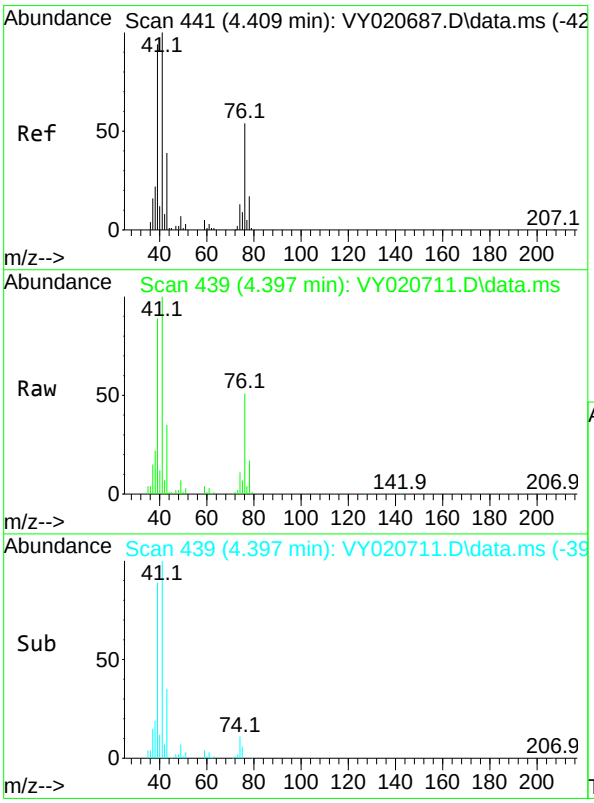
#13
Acrolein
Concen: 348.166 ug/l
RT: 3.665 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 6965

Ion	Ratio	Lower	Upper
56	100		
55	69.7	57.0	85.4

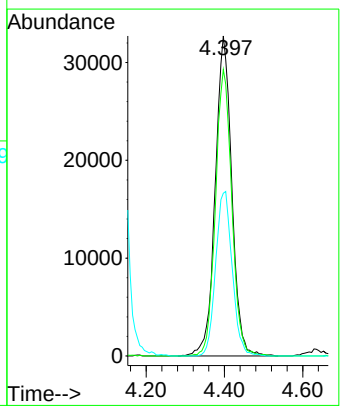


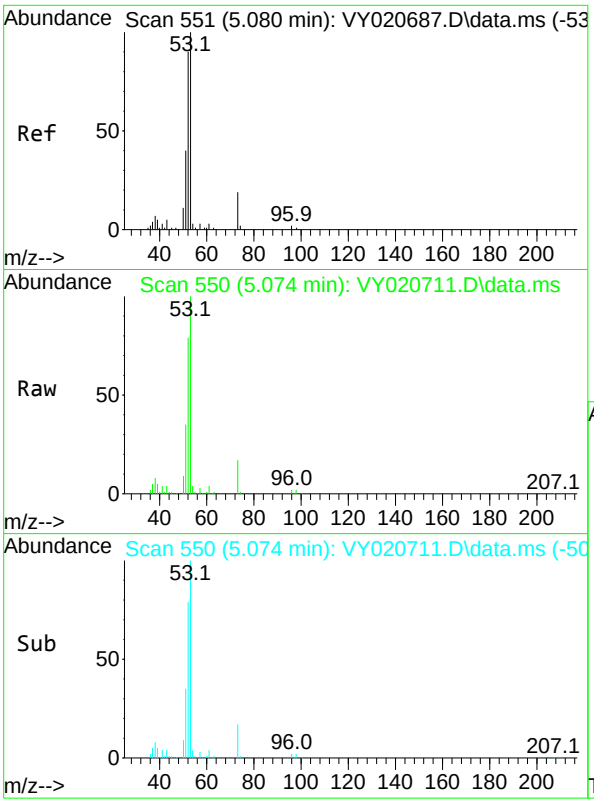


#14
Allyl chloride
Concen: 103.097 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.012 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 41 Resp: 96335

Ion	Ratio	Lower	Upper
41	100		
39	88.3	73.5	110.3
76	51.2	41.8	62.8



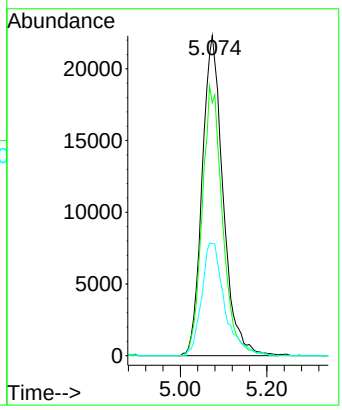


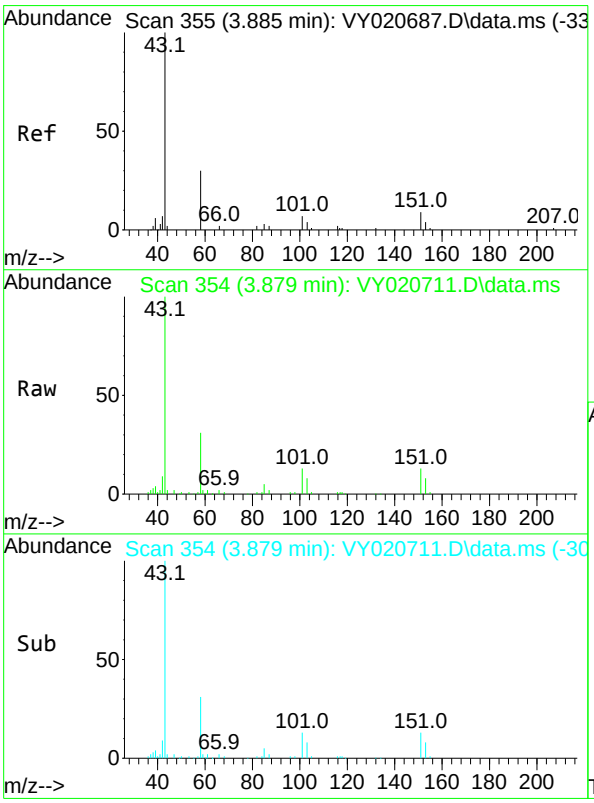
#15
Acrylonitrile
Concen: 498.444 ug/l
RT: 5.074 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 74874

Ion	Ratio	Lower	Upper
53	100		
52	81.8	67.1	100.7
51	38.6	31.4	47.0

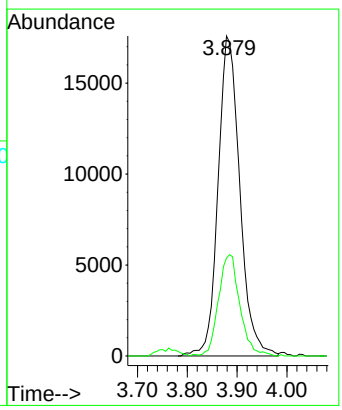


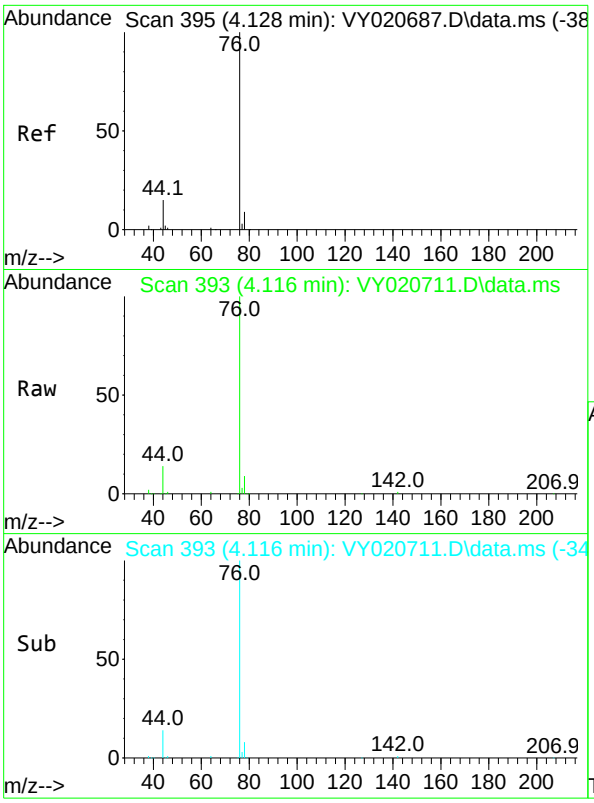


#16
Acetone
Concen: 438.581 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 43 Resp: 53244

Ion	Ratio	Lower	Upper
43	100		
58	30.6	25.0	37.6



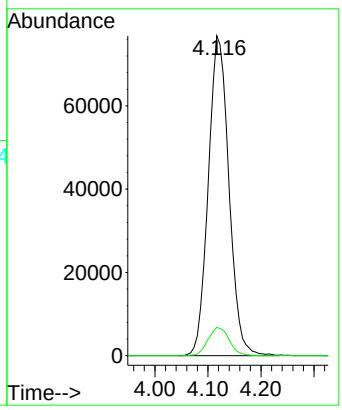


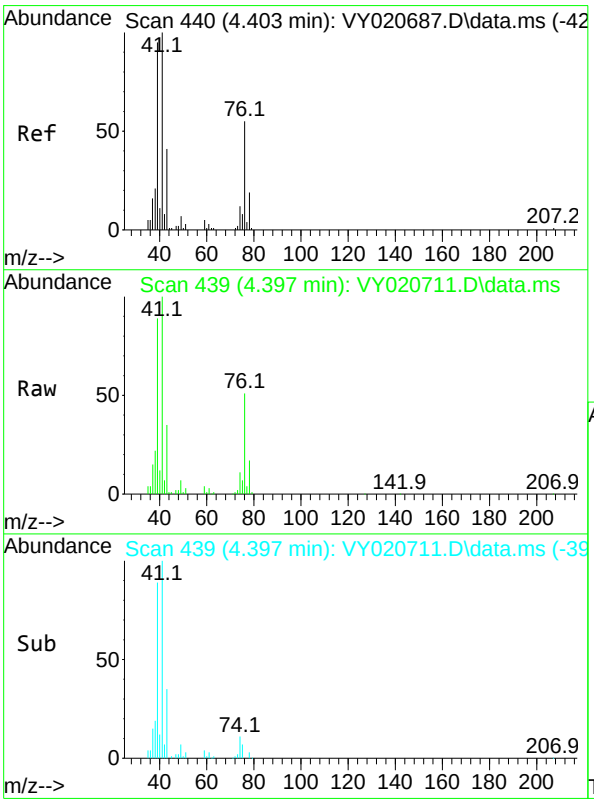
#17
Carbon Disulfide
Concen: 106.011 ug/l
RT: 4.116 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 207648

Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.9	10.3

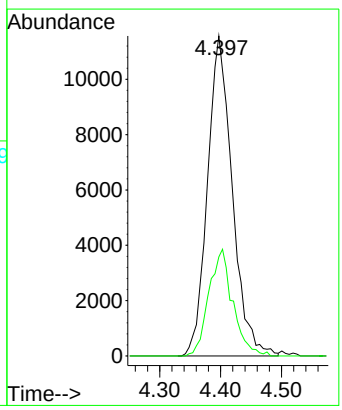


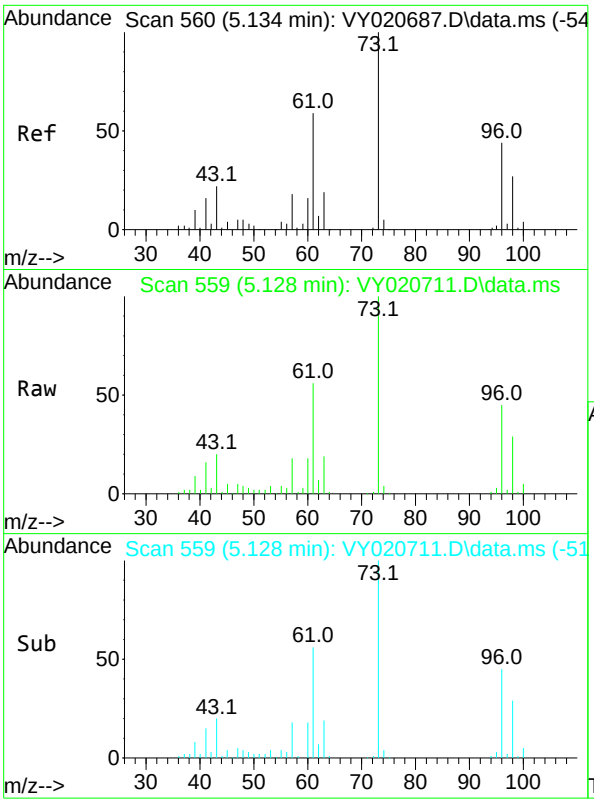


#18
Methyl Acetate
Concen: 99.589 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 43 Resp: 32722

Ion	Ratio	Lower	Upper
43	100		
74	32.3	25.3	37.9



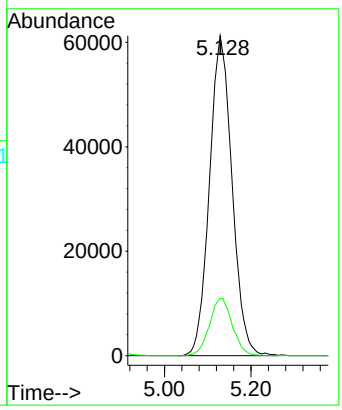


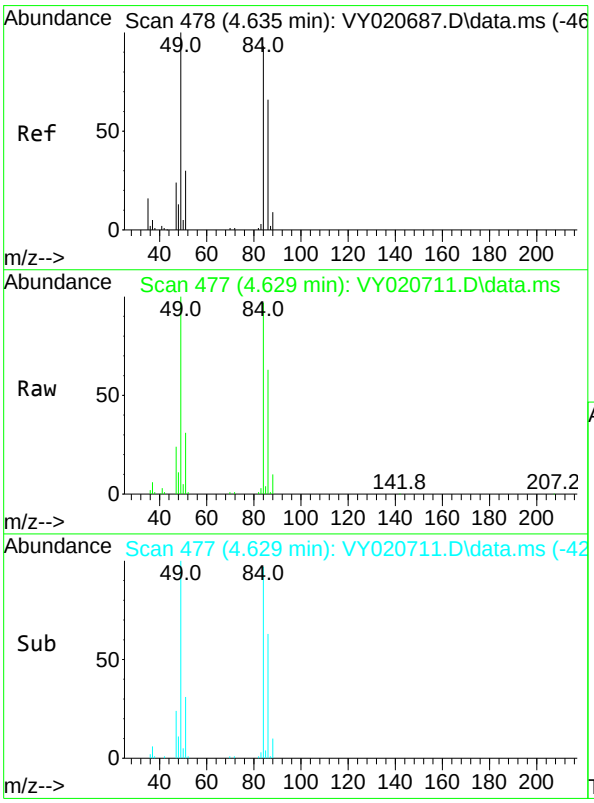
#19
Methyl tert-butyl Ether
Concen: 99.833 ug/l
RT: 5.128 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 222187

Ion	Ratio	Lower	Upper
73	100		
57	17.9	14.4	21.6

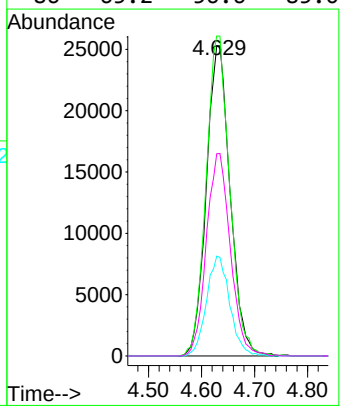


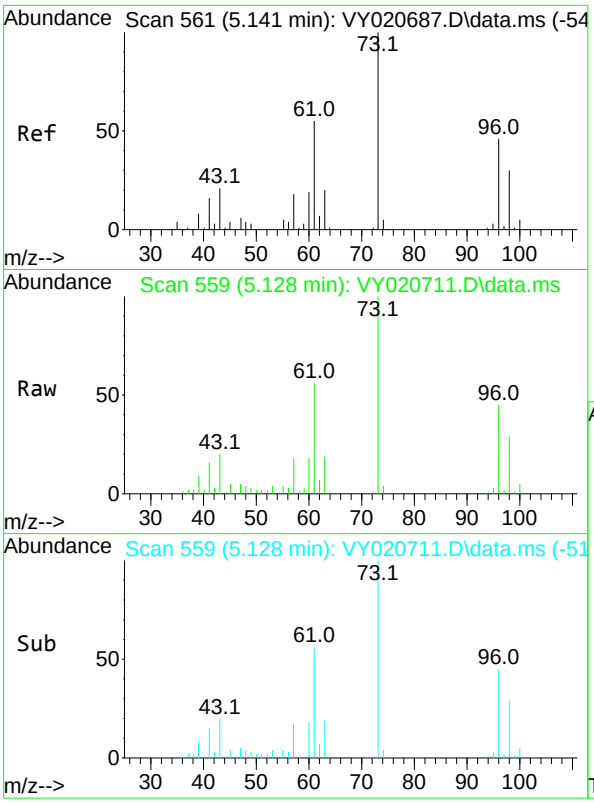


#20
Methylene Chloride
Concen: 99.904 ug/l
RT: 4.629 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 84 Resp: 78882

Ion	Ratio	Lower	Upper
84	100		
49	103.2	86.4	129.6
51	32.2	25.5	38.3
86	65.2	56.6	85.0



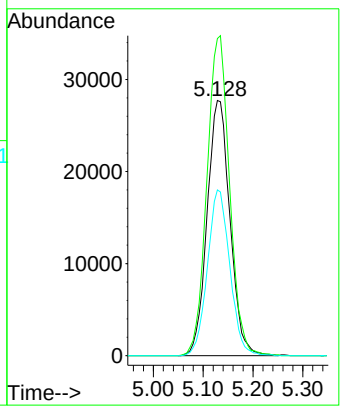


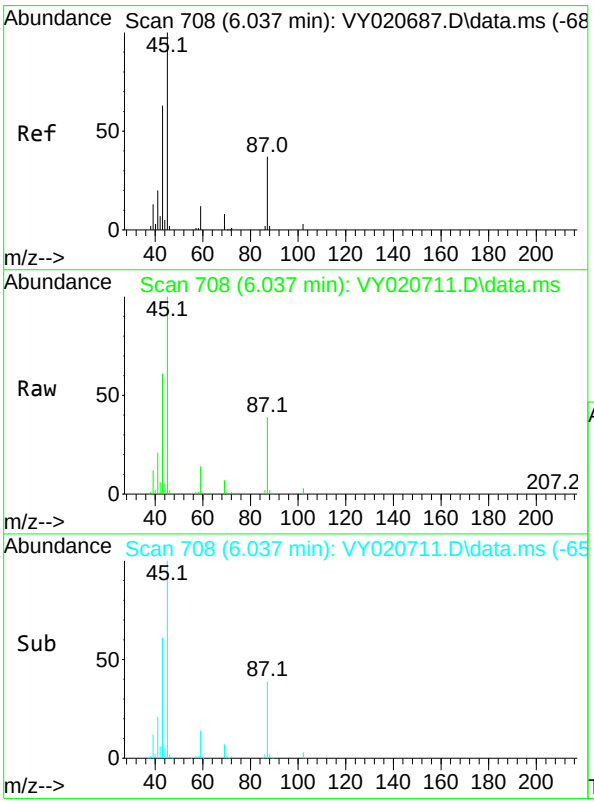
#21
trans-1,2-Dichloroethene
Concen: 102.532 ug/l
RT: 5.128 min Scan# 5
Delta R.T. -0.013 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 88224

Ion	Ratio	Lower	Upper
96	100		
61	124.3	96.1	144.1
98	64.9	52.7	79.1

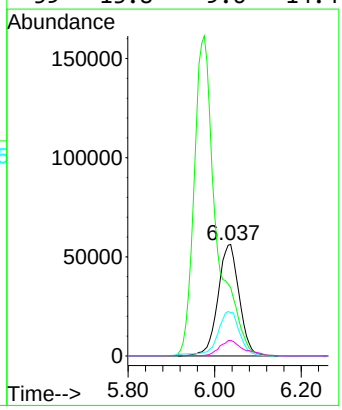


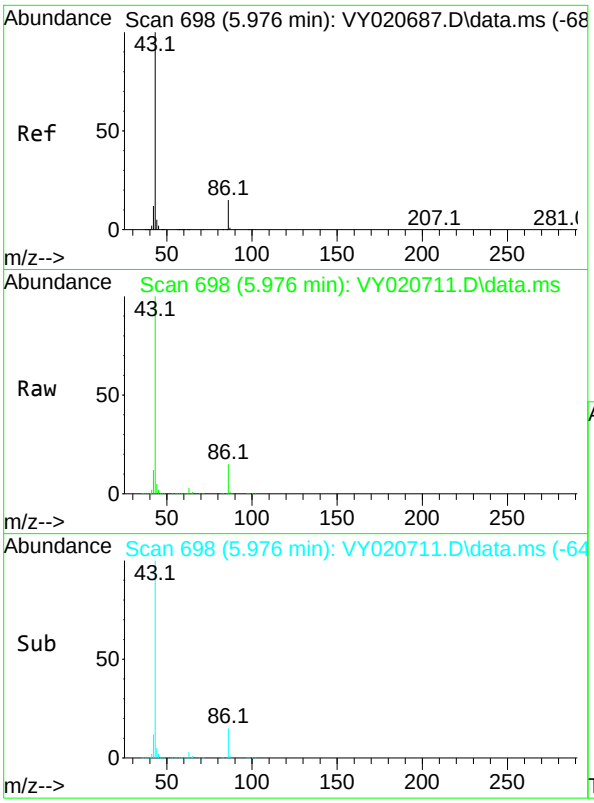


#22
Diisopropyl ether
Concen: 100.743 ug/l
RT: 6.037 min Scan# 708
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 45 Resp: 191362

Ion	Ratio	Lower	Upper
45	100		
43	61.0	51.3	76.9
87	38.8	30.6	46.0
59	13.8	9.6	14.4



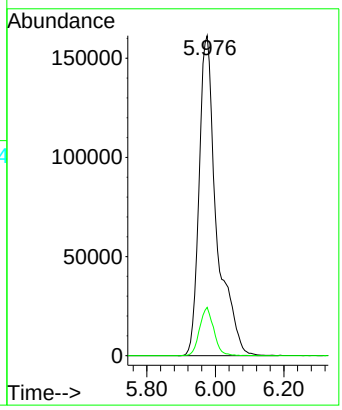


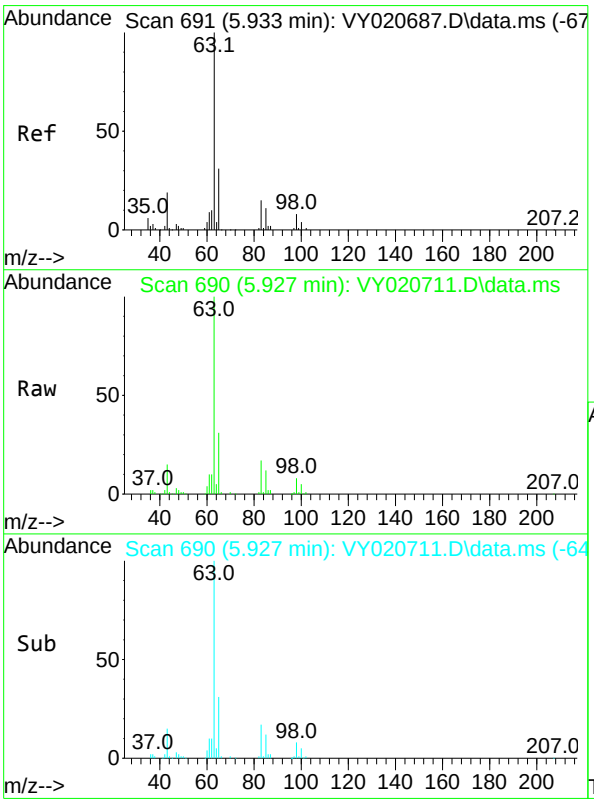
#23
Vinyl Acetate
Concen: 506.073 ug/l
RT: 5.976 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 574176

Ion	Ratio	Lower	Upper
43	100		
86	15.1	12.0	18.0

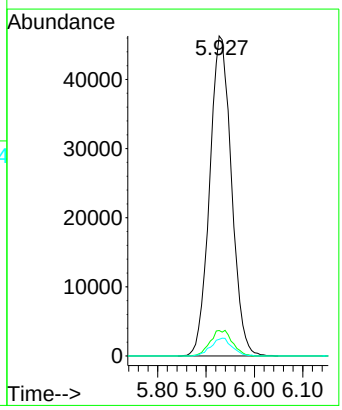


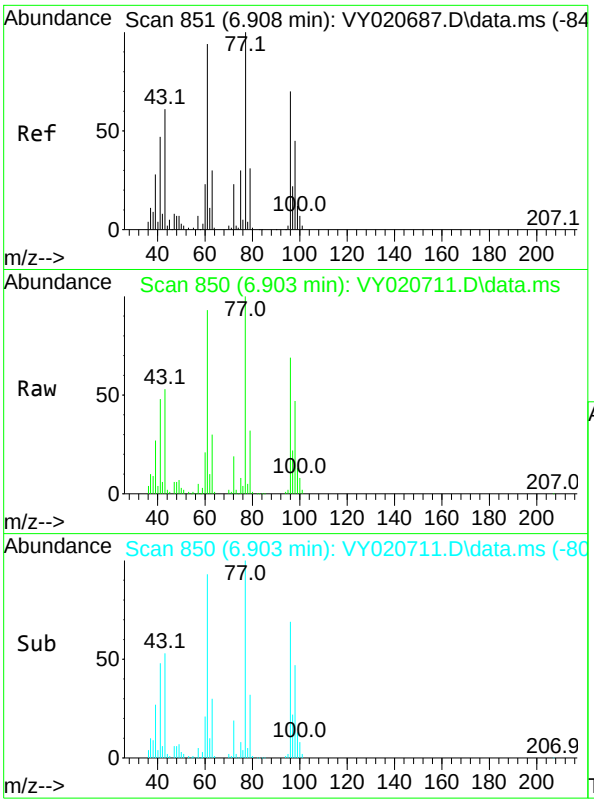


#24
1,1-Dichloroethane
Concen: 101.659 ug/l
RT: 5.927 min Scan# 690
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 63 Resp: 144777

Ion	Ratio	Lower	Upper
63	100		
98	7.9	4.0	12.0
100	5.2	2.1	6.2



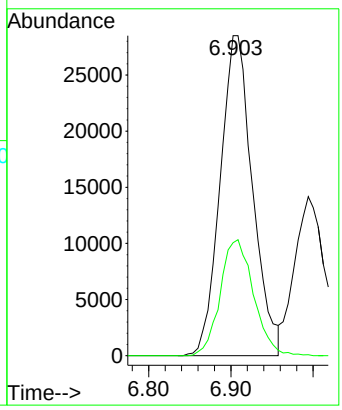


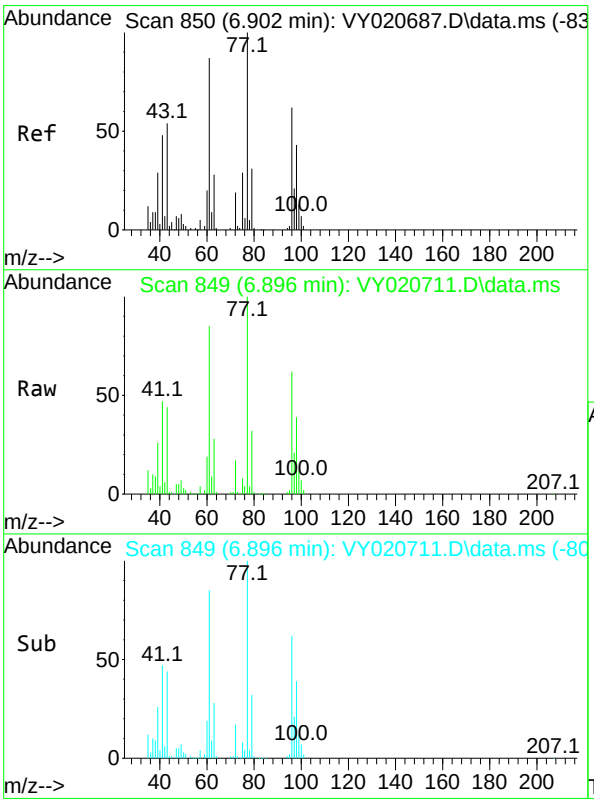
#25
2-Butanone
Concen: 477.386 ug/l
RT: 6.903 min Scan# 8
Delta R.T. -0.005 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 78288

Ion	Ratio	Lower	Upper
43	100		
72	35.3	29.5	44.3

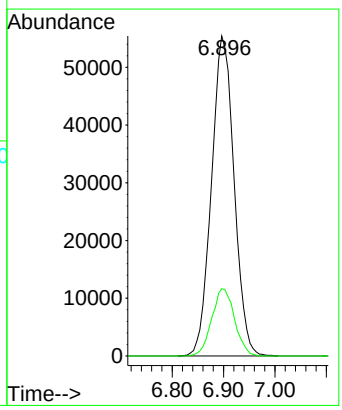


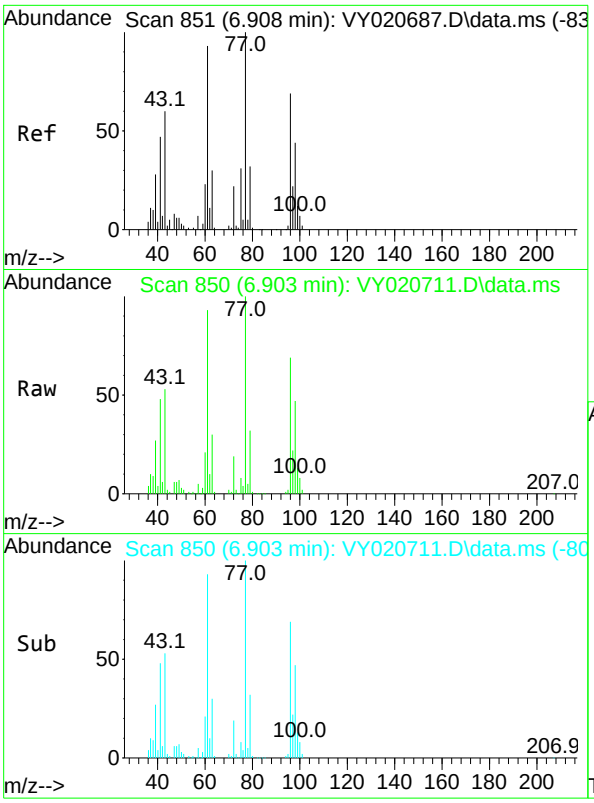


#26
2,2-Dichloropropane
Concen: 97.206 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 77 Resp: 169441

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.8	32.4



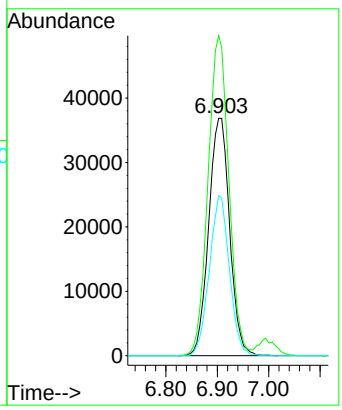


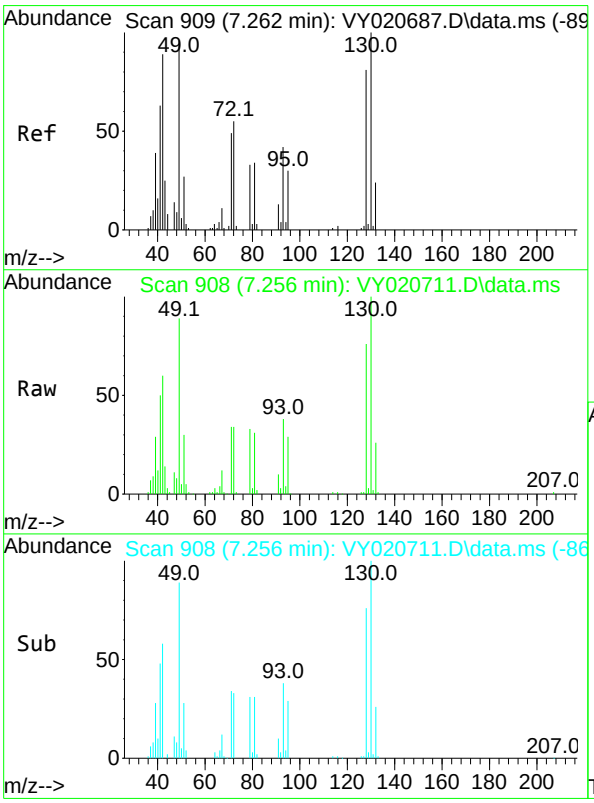
#27
cis-1,2-Dichloroethene
Concen: 101.307 ug/l
RT: 6.903 min Scan# 8
Delta R.T. -0.005 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 104390

Ion	Ratio	Lower	Upper
96	100		
61	134.1	0.0	277.2
98	64.7	0.0	131.0

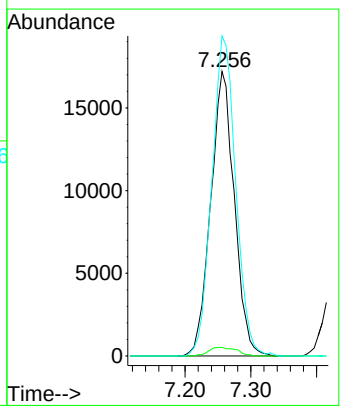


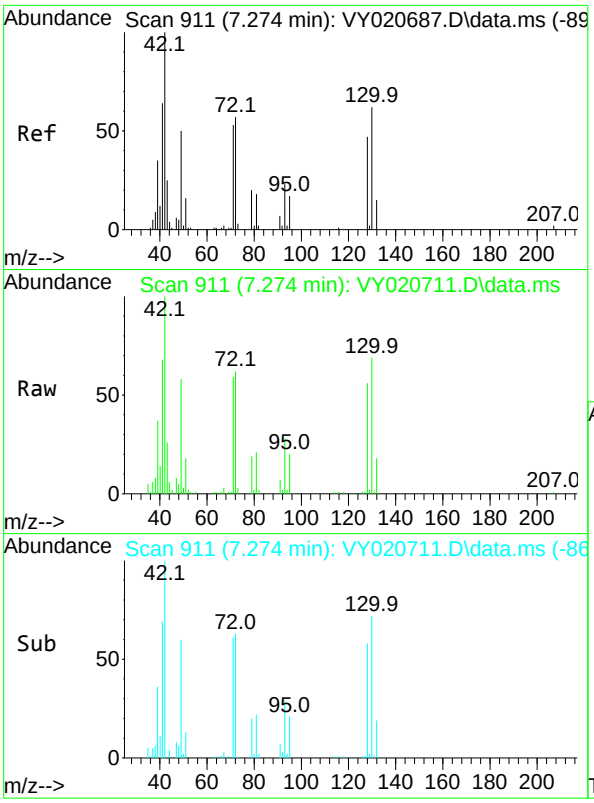


#28
Bromochloromethane
Concen: 114.037 ug/l
RT: 7.256 min Scan# 908
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 49 Resp: 42948

Ion	Ratio	Lower	Upper
49	100		
129	3.6	0.0	5.4
130	113.9	87.2	130.8



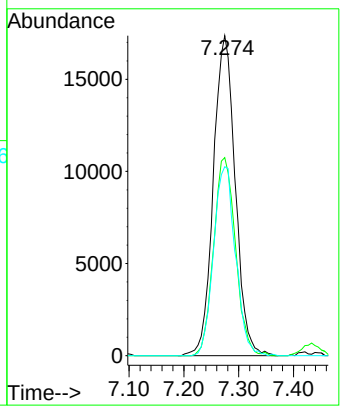


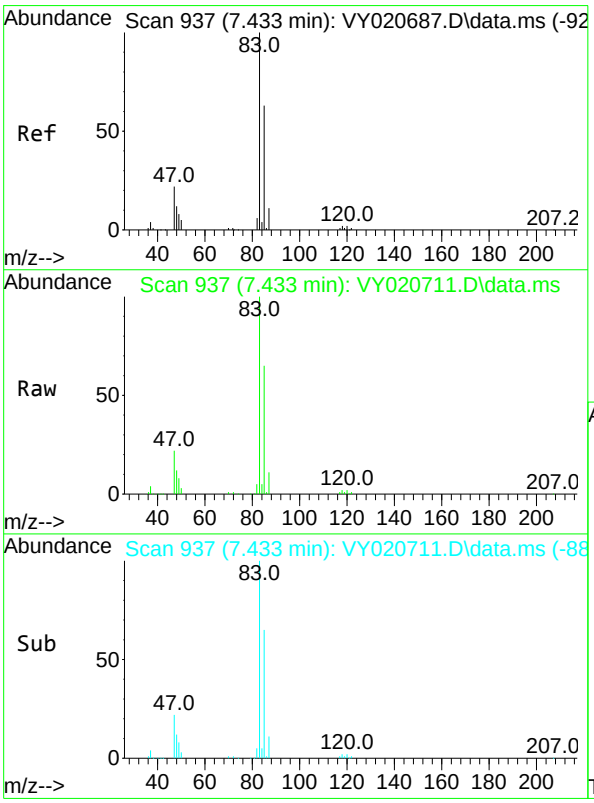
#29
Tetrahydrofuran
Concen: 478.582 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 48175

Ion	Ratio	Lower	Upper
42	100		
72	62.0	47.4	71.0
71	59.3	42.8	64.2

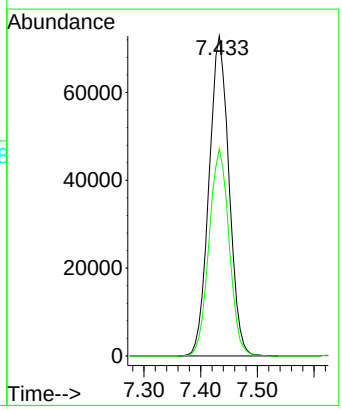


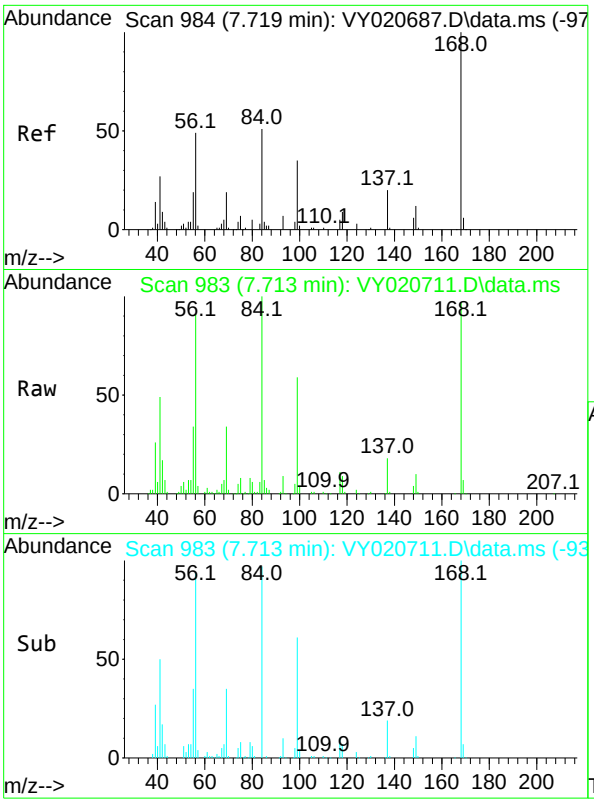


#30
Chloroform
Concen: 97.216 ug/l
RT: 7.433 min Scan# 937
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 83 Resp: 178101

Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.2	75.2



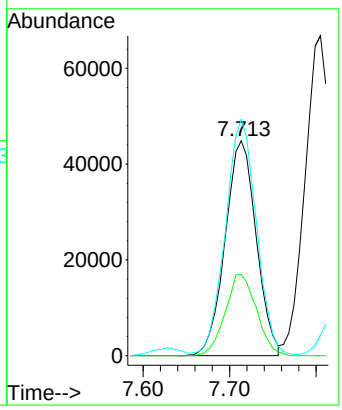


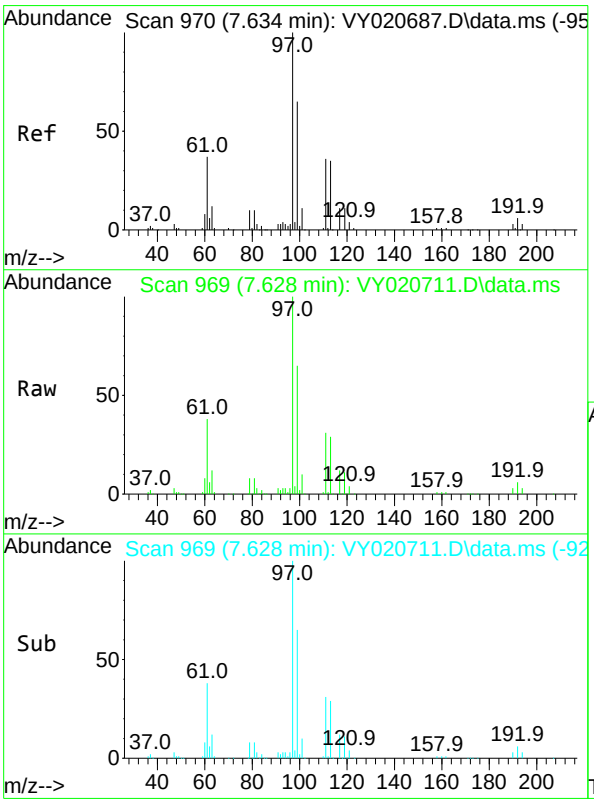
#31
Cyclohexane
Concen: 91.072 ug/l
RT: 7.713 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 111954

Ion	Ratio	Lower	Upper
56	100		
69	37.8	31.3	46.9
84	107.4	83.9	125.9

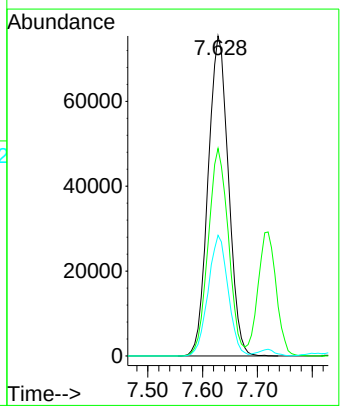


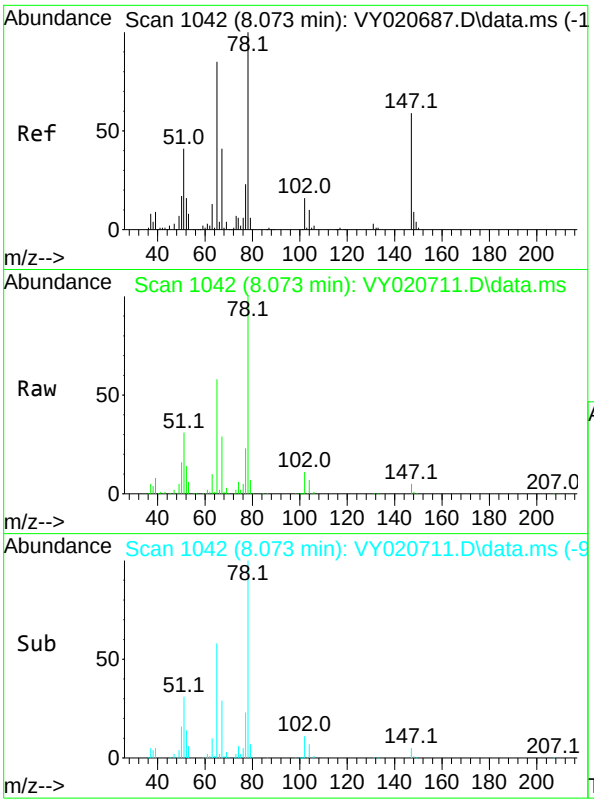


#32
1,1,1-Trichloroethane
Concen: 98.873 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 97 Resp: 194164

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.6
61	37.0	30.0	45.0



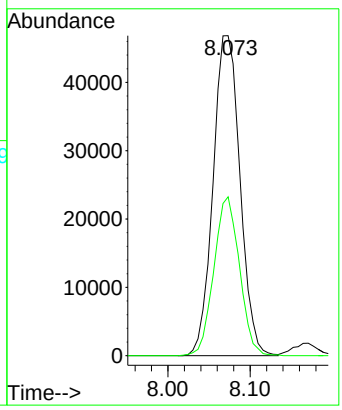


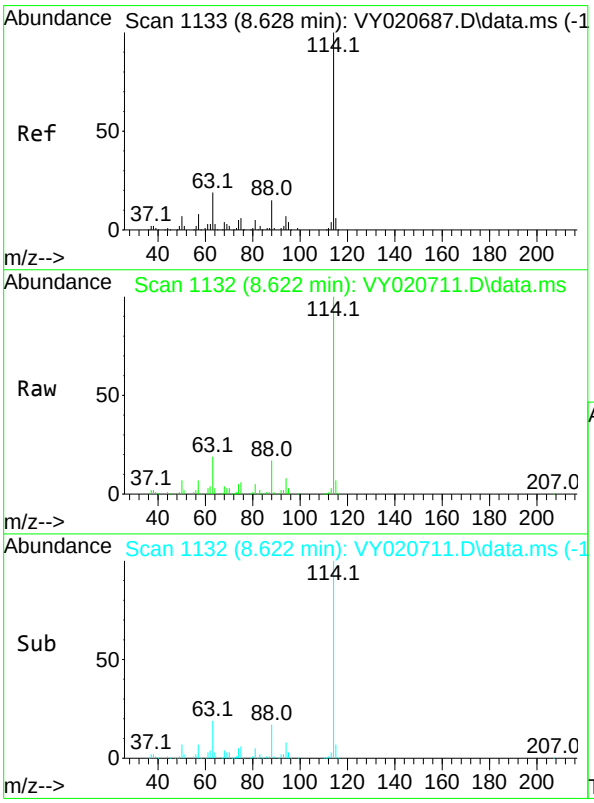
#33
1,2-Dichloroethane-d4
Concen: 111.689 ug/l
RT: 8.073 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 106883

Ion	Ratio	Lower	Upper
65	100		
67	47.1	0.0	98.0

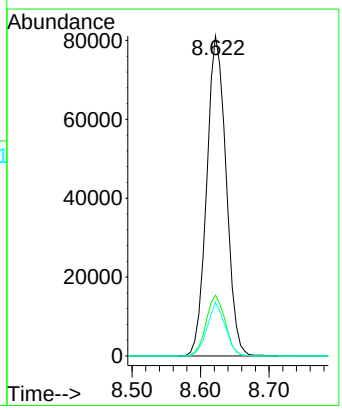


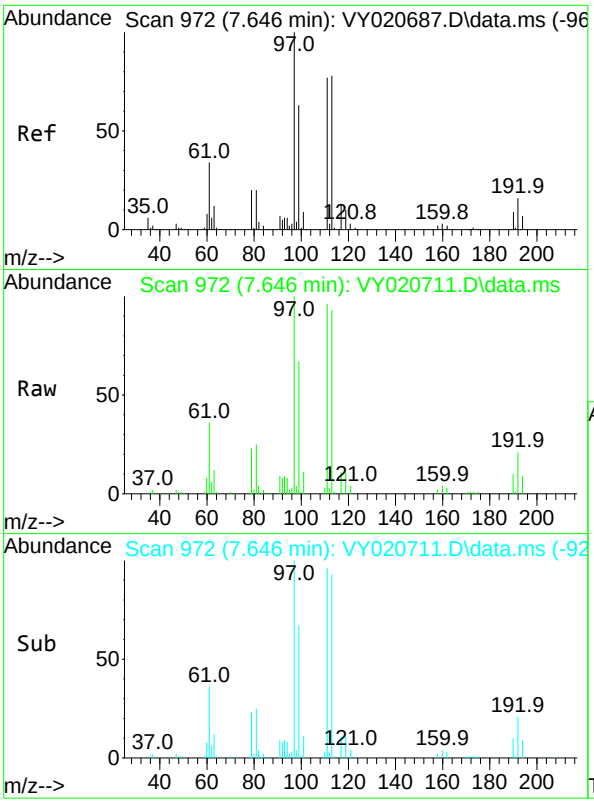


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:114 Resp: 159804

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	38.4
88	16.7	0.0	30.4



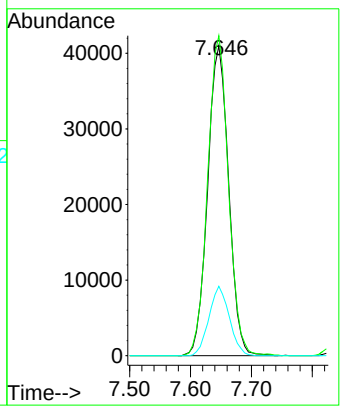


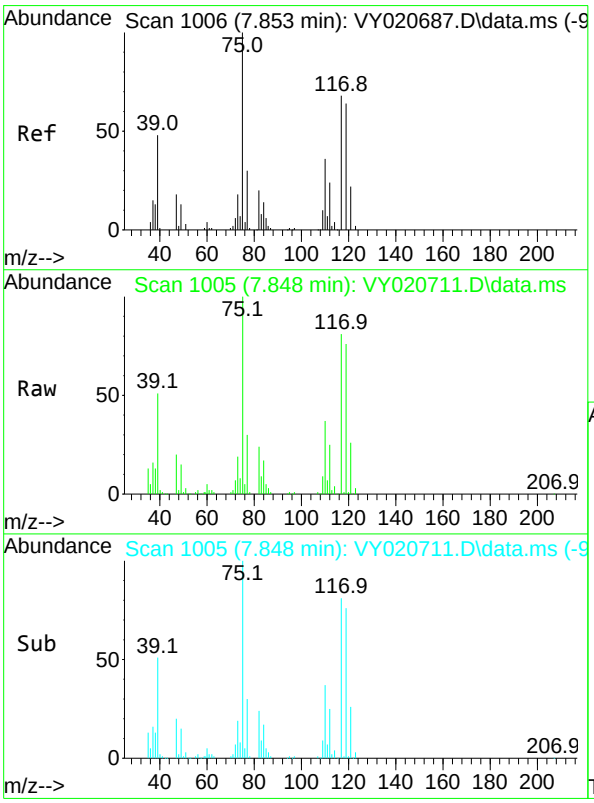
#35
Dibromofluoromethane
Concen: 111.484 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 98131

Ion	Ratio	Lower	Upper
113	100		
111	102.4	79.8	119.8
192	21.8	17.0	25.6

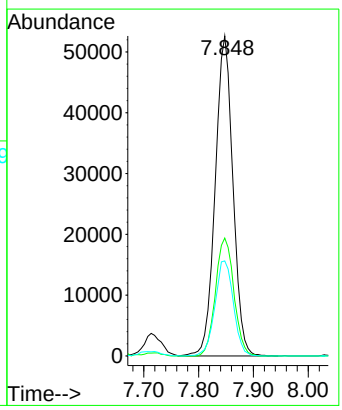


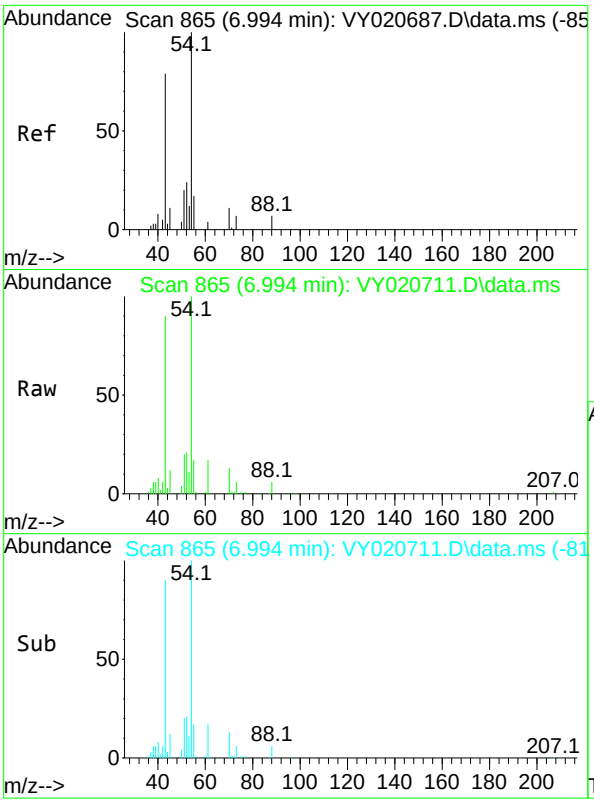


#36
1,1-Dichloropropene
Concen: 101.669 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. -0.005 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 75 Resp: 118213

Ion	Ratio	Lower	Upper
75	100		
110	38.3	19.6	58.7
77	31.0	25.1	37.7



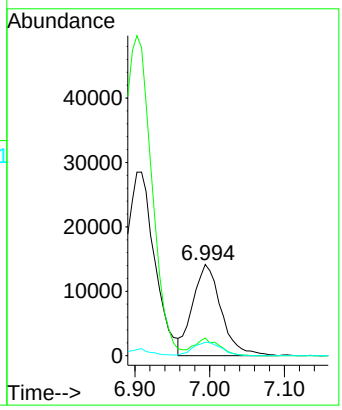


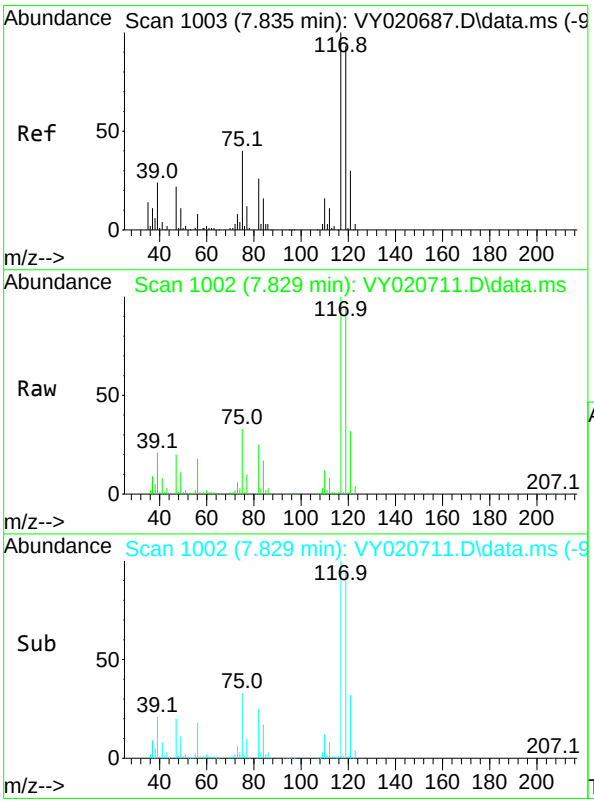
#37
Ethyl Acetate
Concen: 97.751 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 37453

Ion	Ratio	Lower	Upper
43	100		
61	16.1	11.7	17.5
70	14.6	11.0	16.4

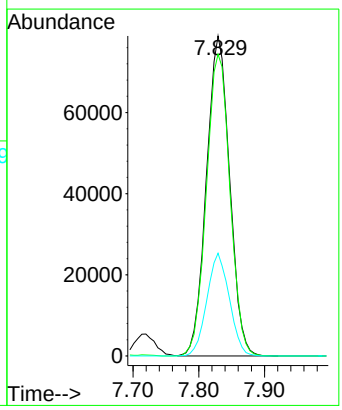


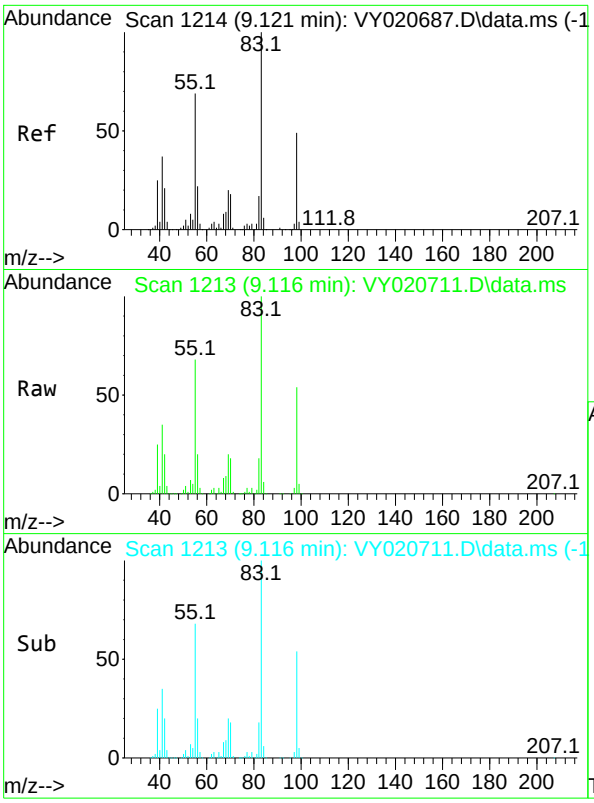


#38
Carbon Tetrachloride
Concen: 101.190 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:117 Resp: 193743

Ion	Ratio	Lower	Upper
117	100		
119	94.3	74.4	111.6
121	32.1	24.2	36.2



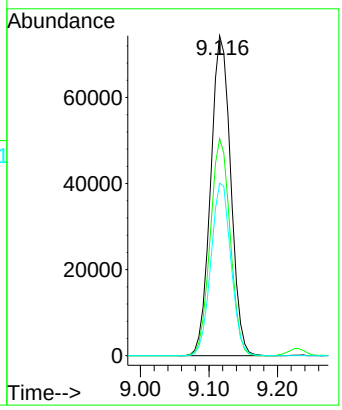


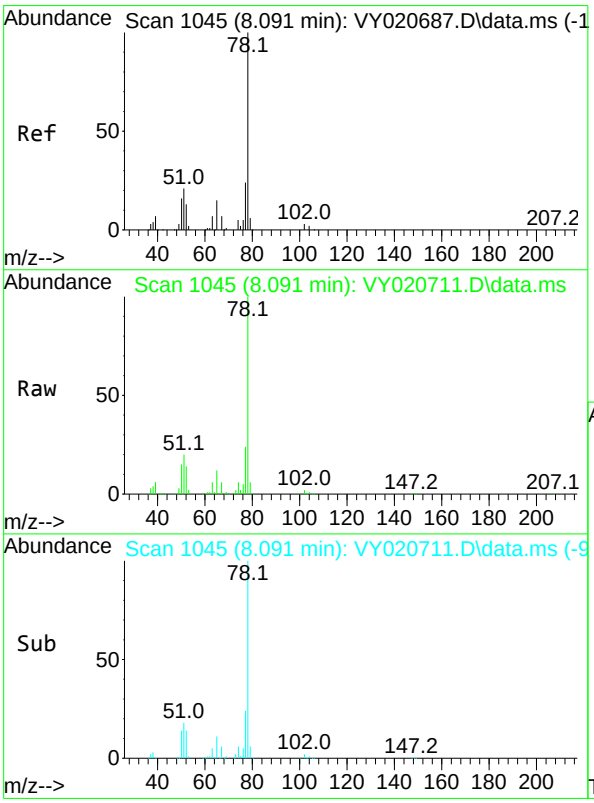
#39
Methylcyclohexane
Concen: 101.582 ug/l
RT: 9.116 min Scan# 1
Delta R.T. -0.005 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 151388

Ion	Ratio	Lower	Upper
83	100		
55	67.8	55.0	82.4
98	53.9	39.0	58.6

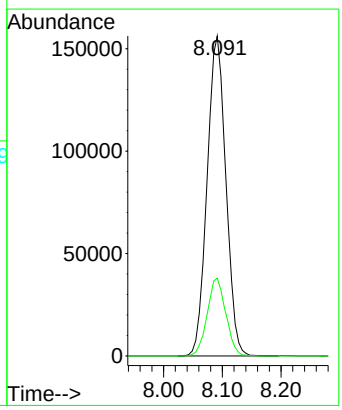


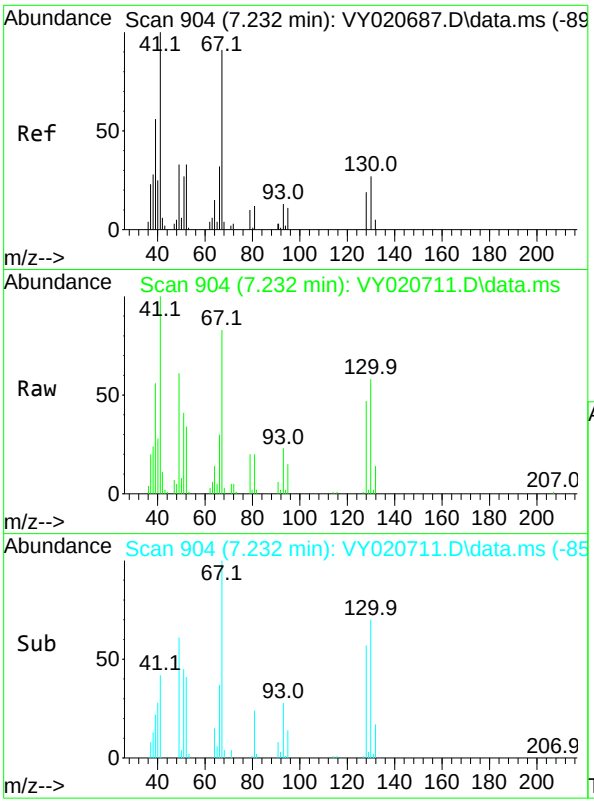


#40
Benzene
Concen: 102.763 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 78 Resp: 346286

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.2	28.8



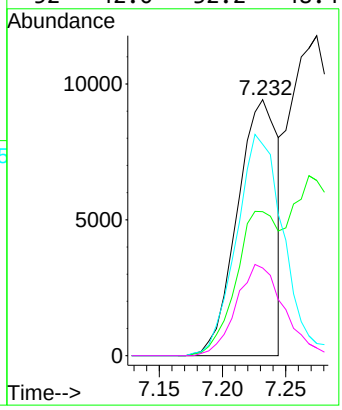


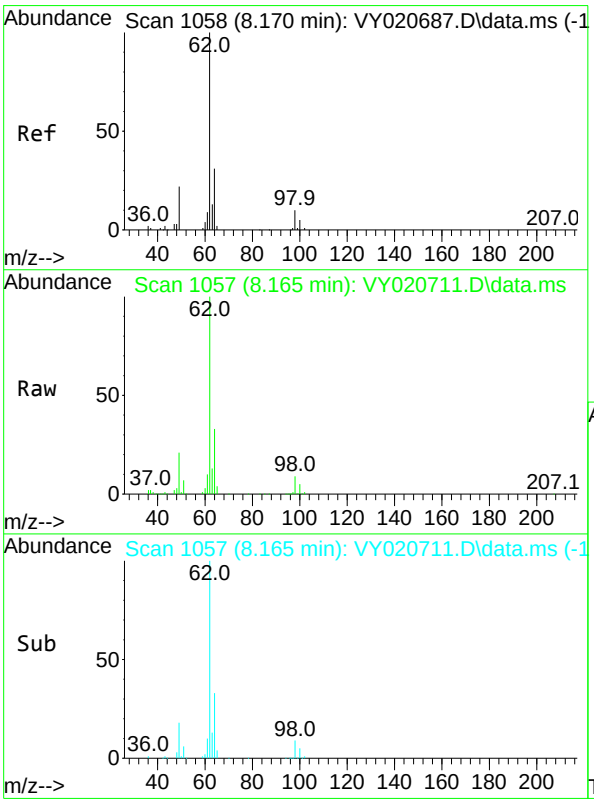
#41
Methacrylonitrile
Concen: 107.636 ug/l
RT: 7.232 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 20832

Ion	Ratio	Lower	Upper
41	100		
39	58.3	46.6	70.0
67	101.0	74.7	112.1
52	42.0	32.2	48.4

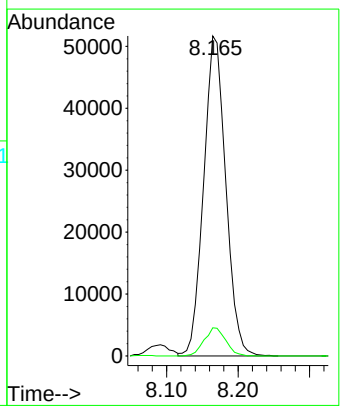


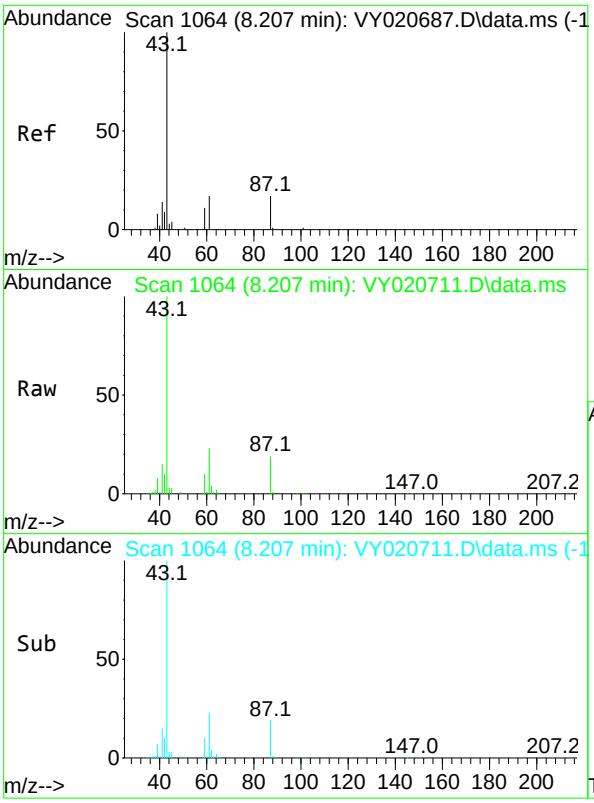


#42
1,2-Dichloroethane
Concen: 102.849 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. -0.005 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 62 Resp: 111130

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.6



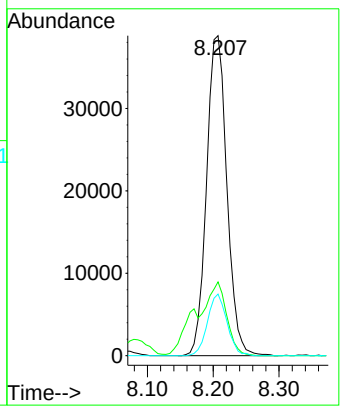


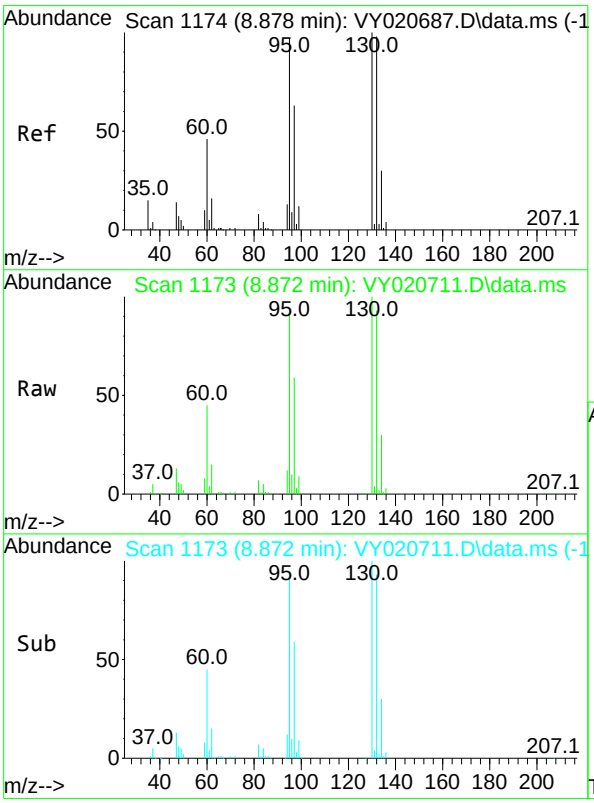
#43
Isopropyl Acetate
Concen: 102.557 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 83521

Ion	Ratio	Lower	Upper
43	100		
61	21.7	27.0	40.4#
87	18.5	14.2	21.4

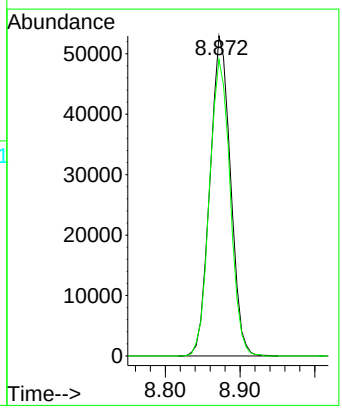


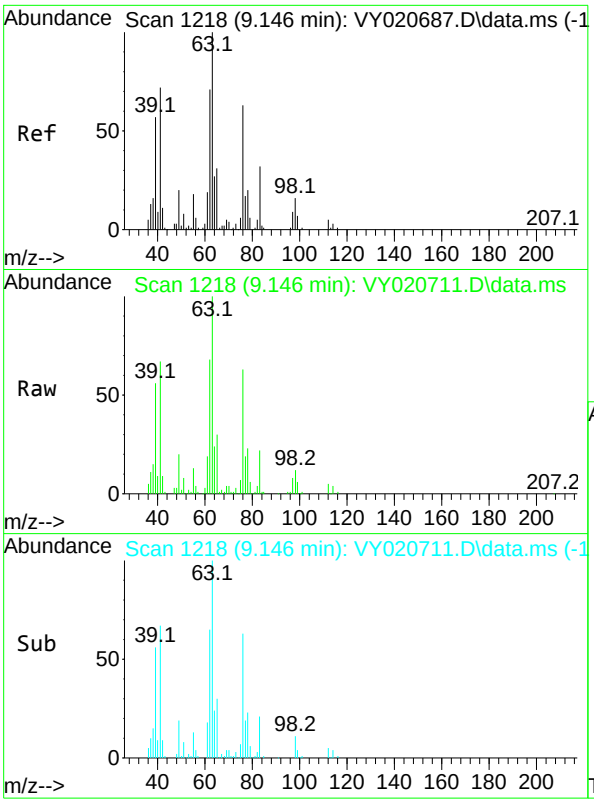


#44
Trichloroethene
Concen: 100.585 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:130 Resp: 101237

Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	194.8



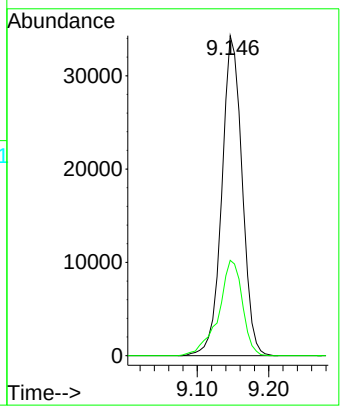


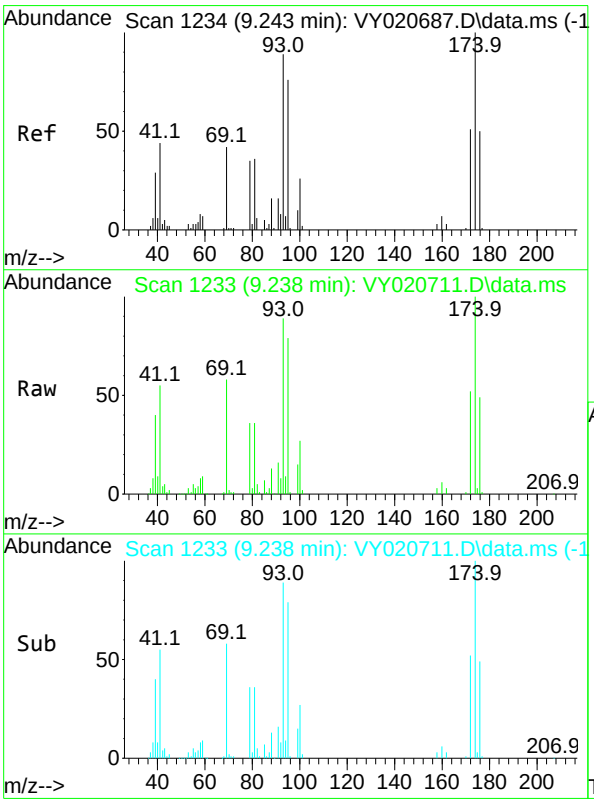
#45
1,2-Dichloropropane
Concen: 98.968 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 67508

Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.6	36.8

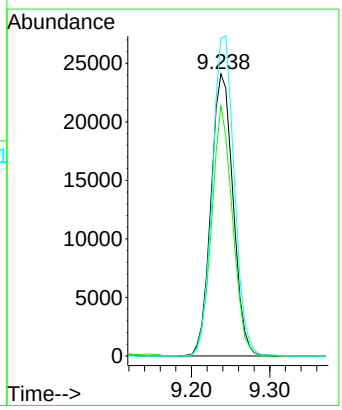


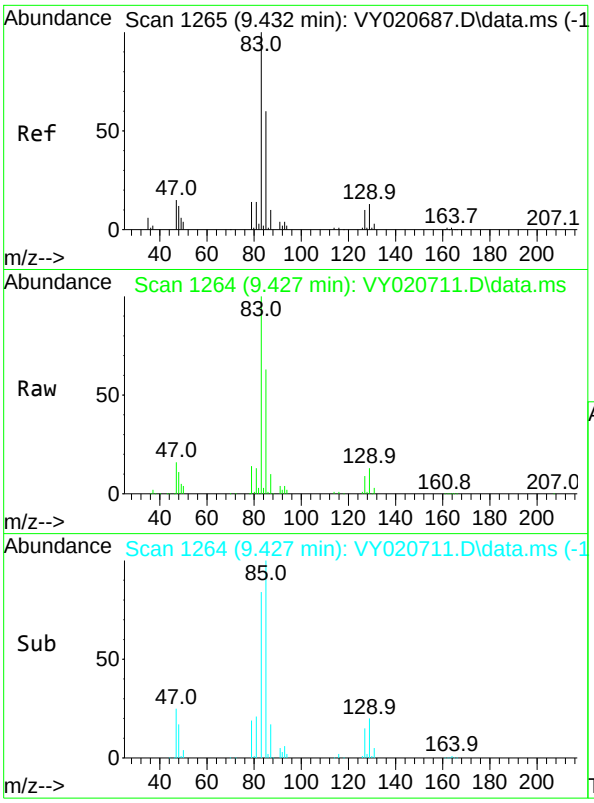


#46
Dibromomethane
Concen: 99.962 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. -0.005 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 93 Resp: 47179

Ion	Ratio	Lower	Upper
93	100		
95	83.8	67.8	101.8
174	112.7	89.4	134.0



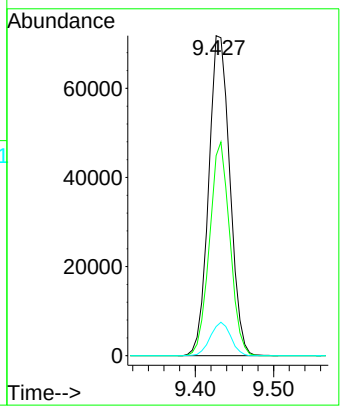


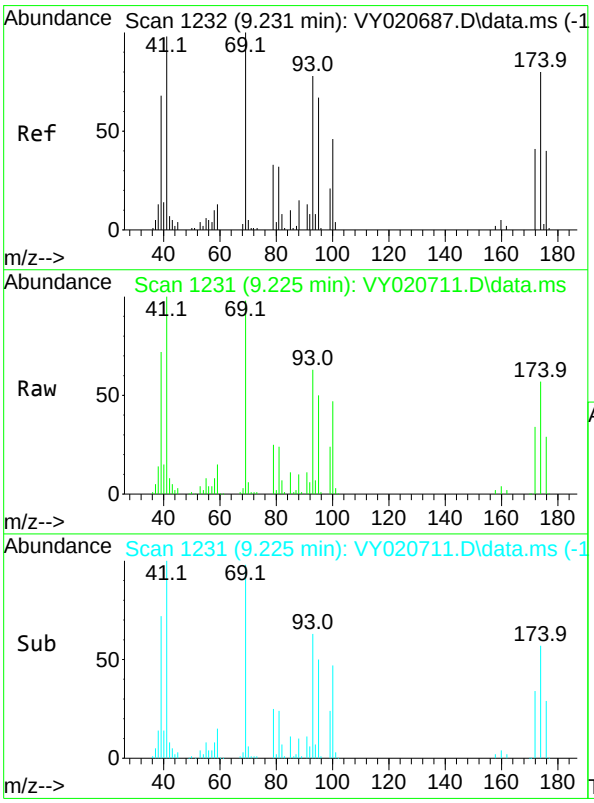
#47
Bromodichloromethane
Concen: 100.613 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.005 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 134627

Ion	Ratio	Lower	Upper
83	100		
85	62.5	47.6	71.4
127	9.1	7.9	11.9

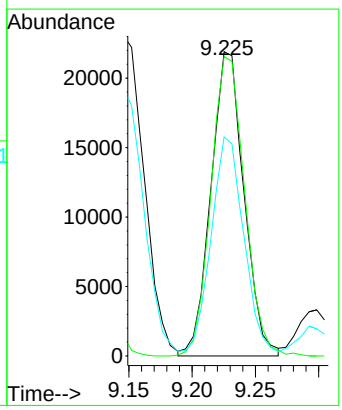


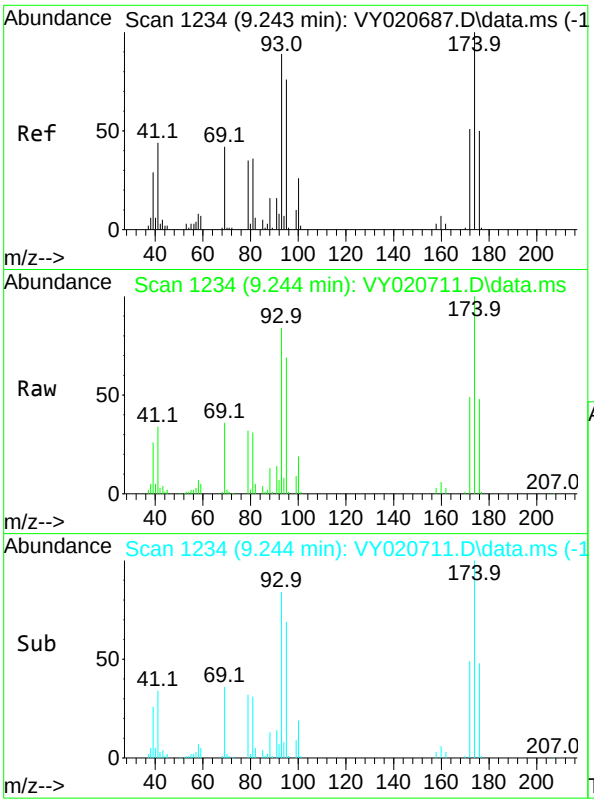


#48
Methyl methacrylate
Concen: 104.314 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 41 Resp: 39672

Ion	Ratio	Lower	Upper
41	100		
69	100.4	83.1	124.7
39	69.2	57.3	85.9



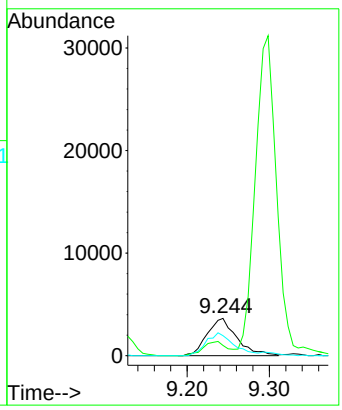


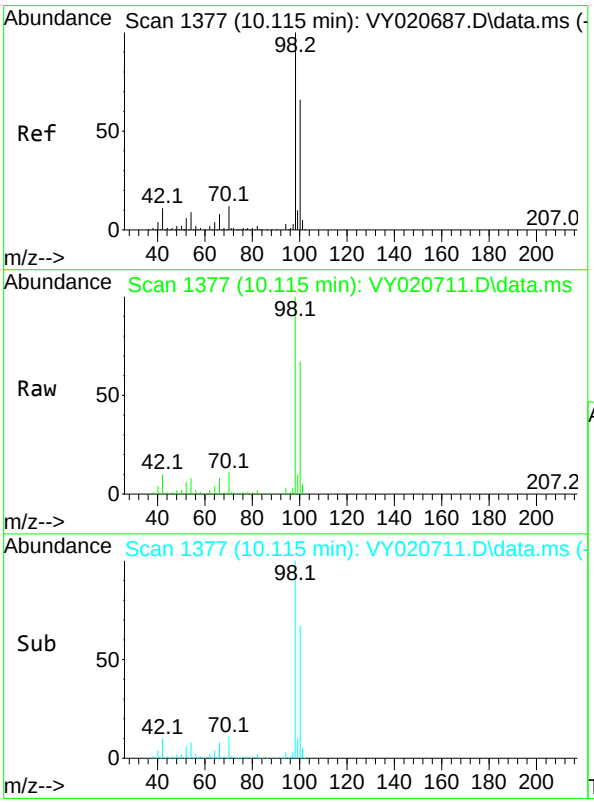
#49
1,4-Dioxane
Concen: 2030.846 ug/l
RT: 9.244 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 9130

Ion	Ratio	Lower	Upper
88	100		
43	30.6	22.1	33.1
58	57.0	46.7	70.1

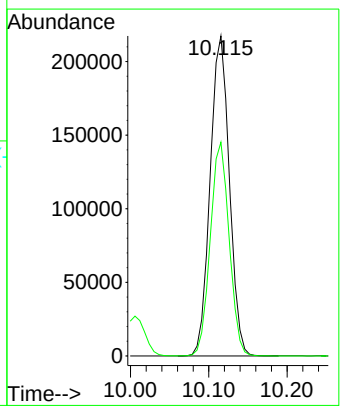


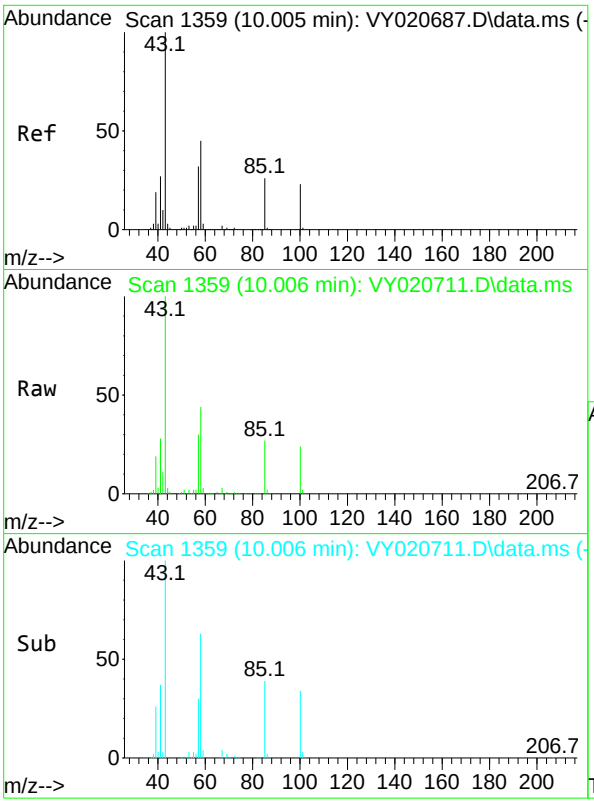


#50
Toluene-d8
Concen: 103.831 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 98 Resp: 370174

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.2	78.4



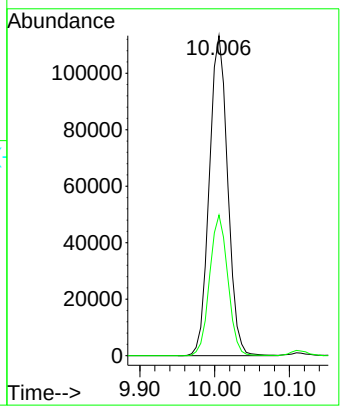


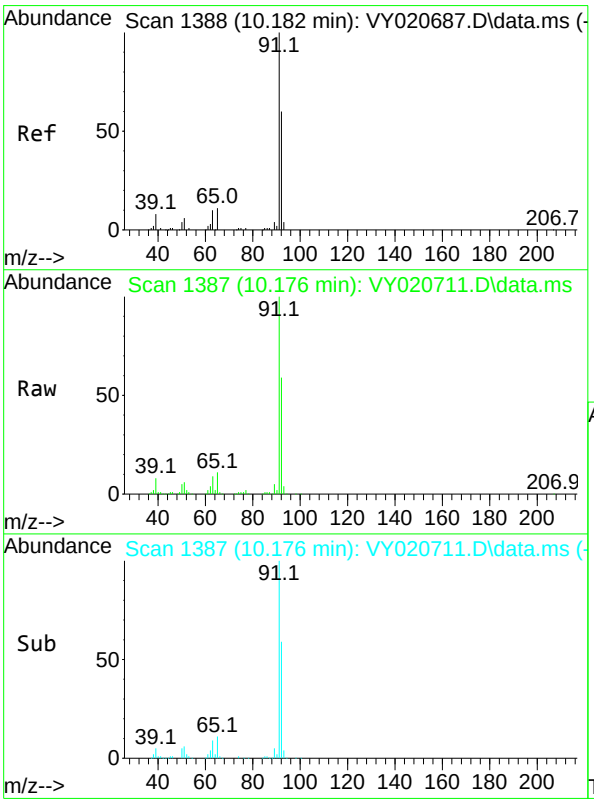
#51
4-Methyl-2-Pentanone
Concen: 493.895 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 194141

Ion	Ratio	Lower	Upper
43	100		
58	43.5	35.1	52.7

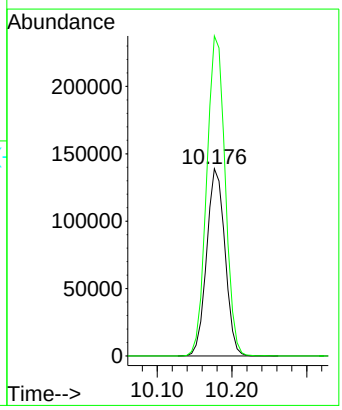


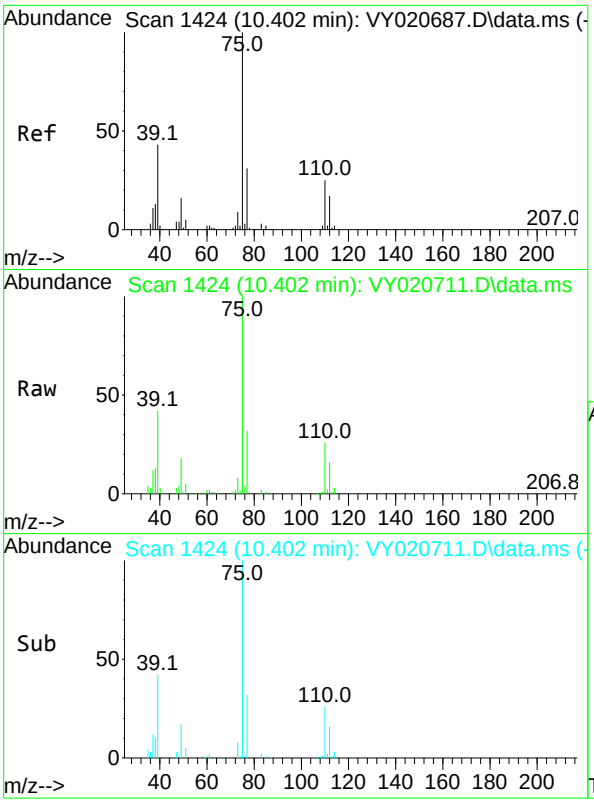


#52
Toluene
Concen: 102.558 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 92 Resp: 236867

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.7	206.5



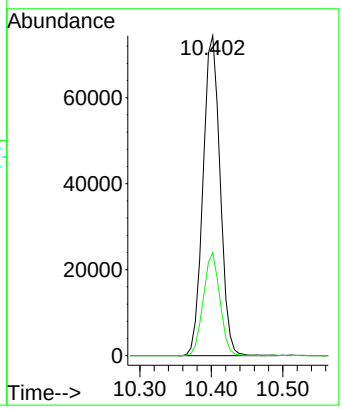


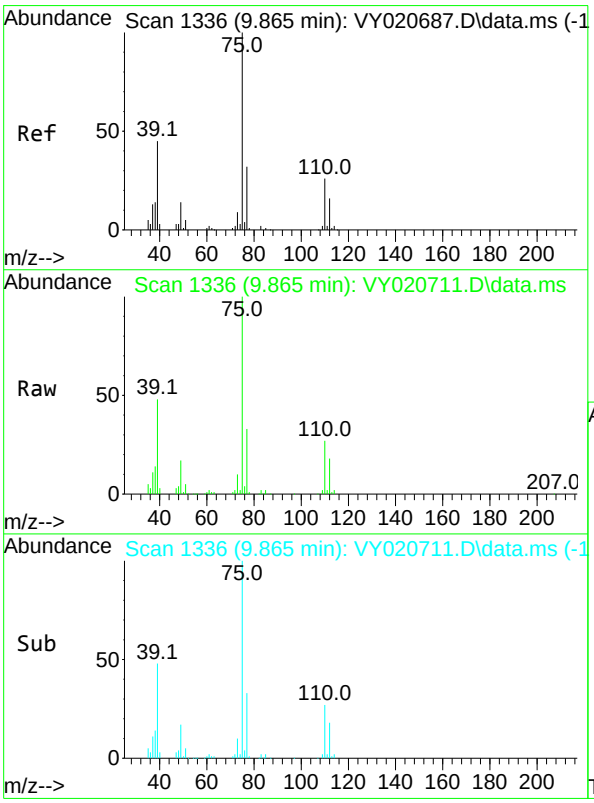
#53
t-1,3-Dichloropropene
Concen: 105.012 ug/l
RT: 10.402 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 123413

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.1	37.7

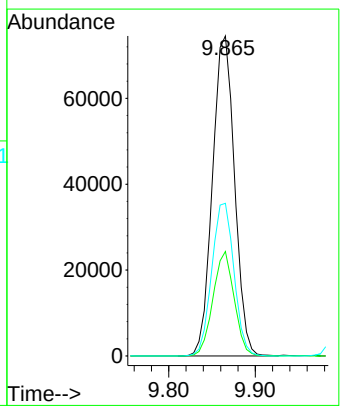


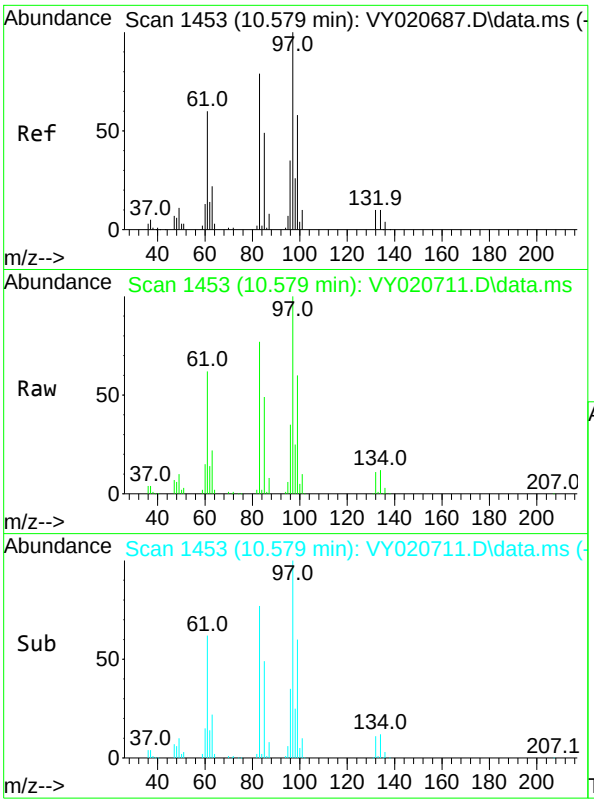


#54
cis-1,3-Dichloropropene
Concen: 102.590 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 75 Resp: 132154

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.6	38.4
39	47.7	36.2	54.2



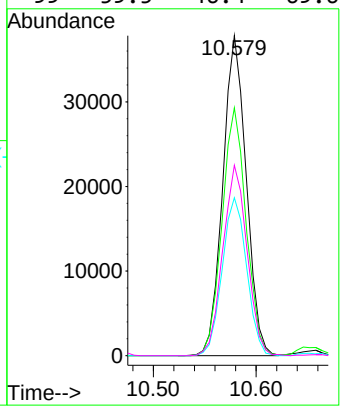


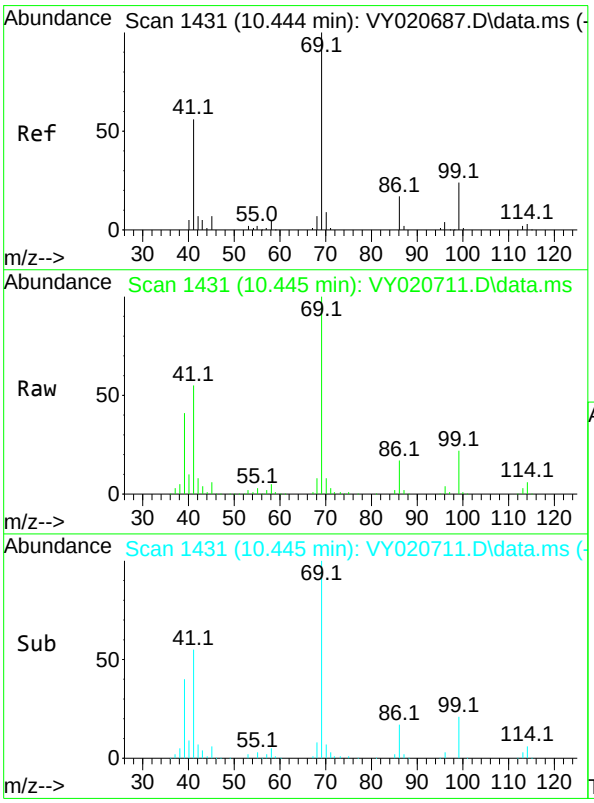
#55
1,1,2-Trichloroethane
Concen: 99.697 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 60063

Ion	Ratio	Lower	Upper
97	100		
83	77.5	63.1	94.7
85	49.4	39.5	59.3
99	59.5	46.4	69.6

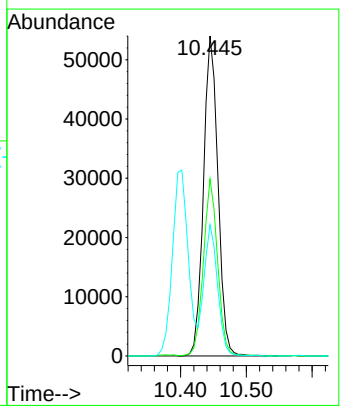


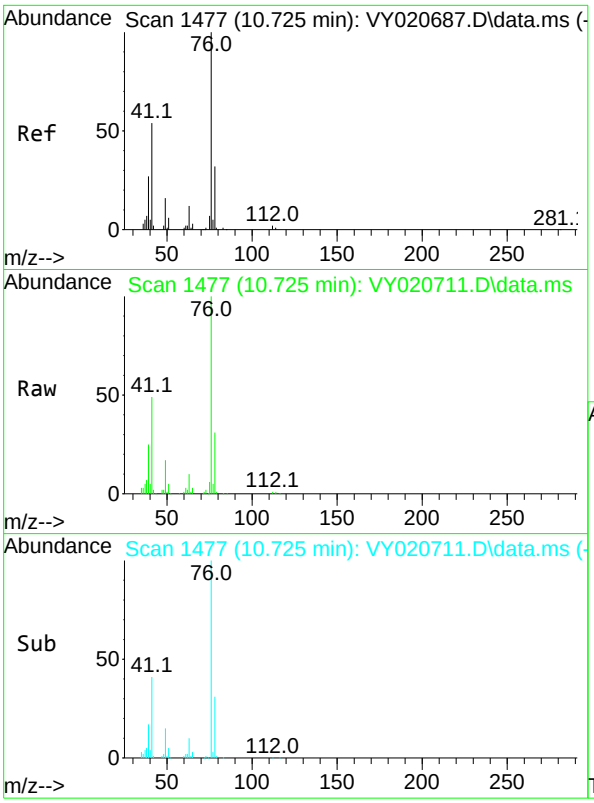


#56
Ethyl methacrylate
Concen: 104.330 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.001 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 69 Resp: 82573

Ion	Ratio	Lower	Upper
69	100		
41	54.4	43.8	65.6
39	37.7	32.0	48.0



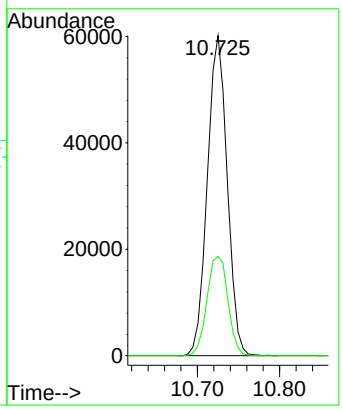


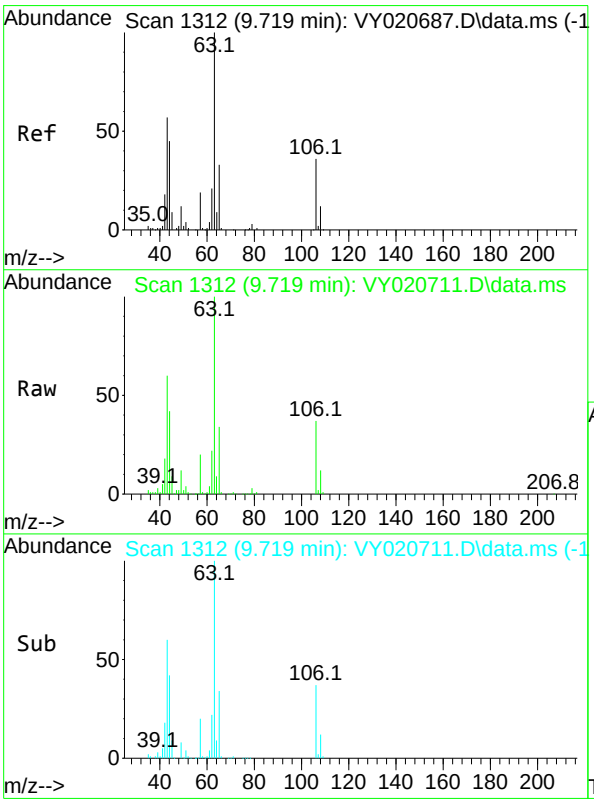
#57
1,3-Dichloropropane
Concen: 103.074 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 100785

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.0	37.6

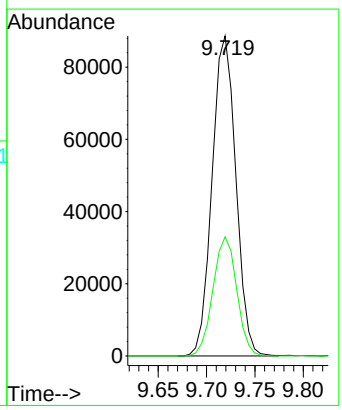


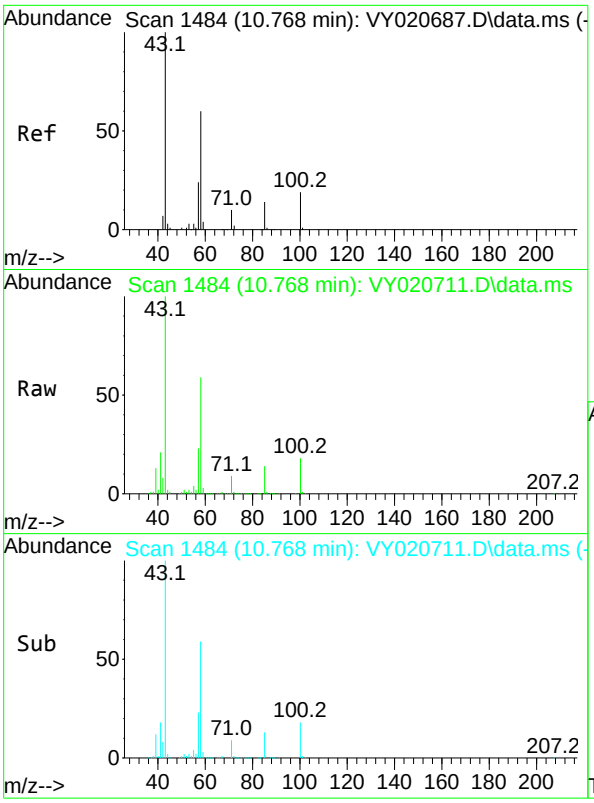


#58
2-Chloroethyl Vinyl ether
Concen: 547.868 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 63 Resp: 151207

Ion	Ratio	Lower	Upper
63	100		
106	37.2	29.1	43.7



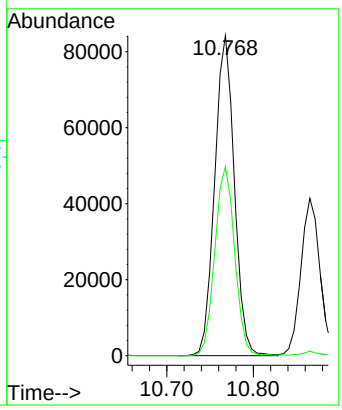


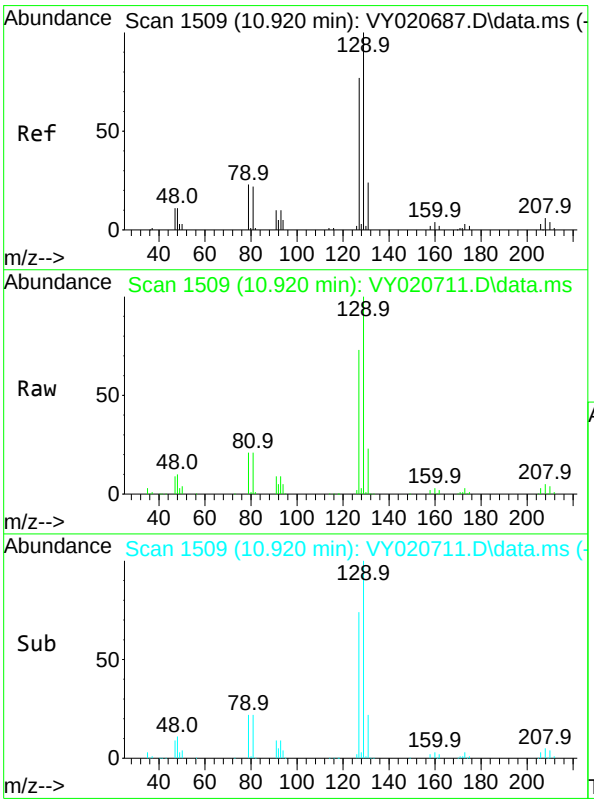
#59
2-Hexanone
Concen: 512.015 ug/l
RT: 10.768 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 132885

Ion	Ratio	Lower	Upper
43	100		
58	59.7	30.1	90.5

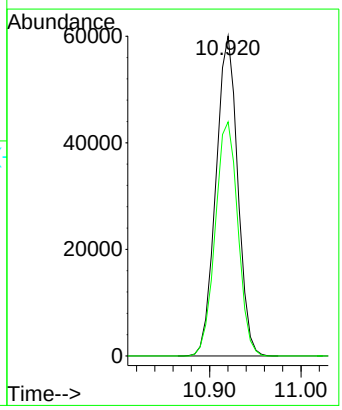


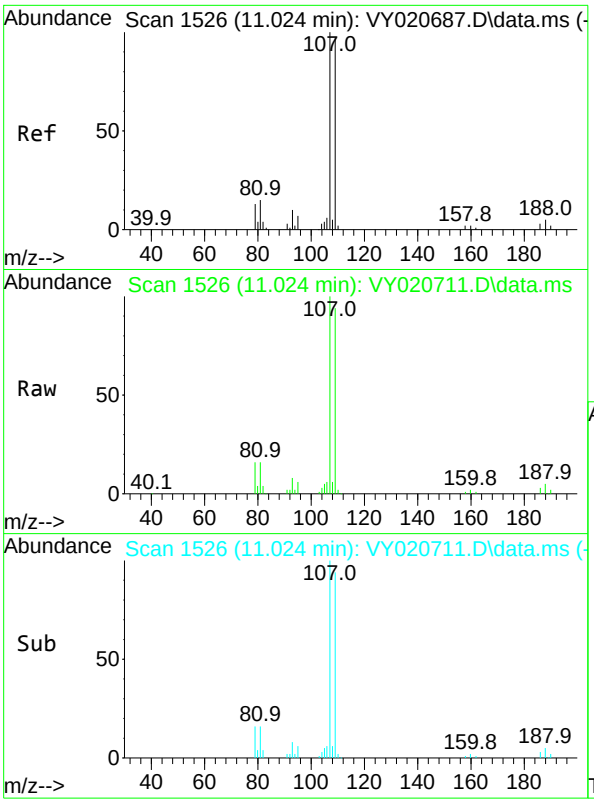


#60
Dibromochloromethane
Concen: 102.326 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:129 Resp: 99612

Ion	Ratio	Lower	Upper
129	100		
127	75.8	38.5	115.5



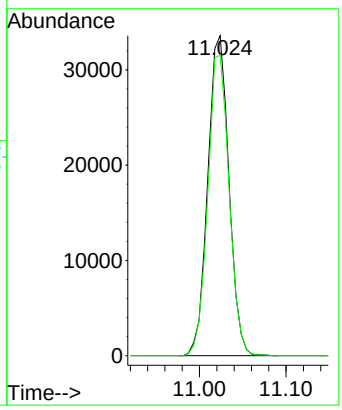


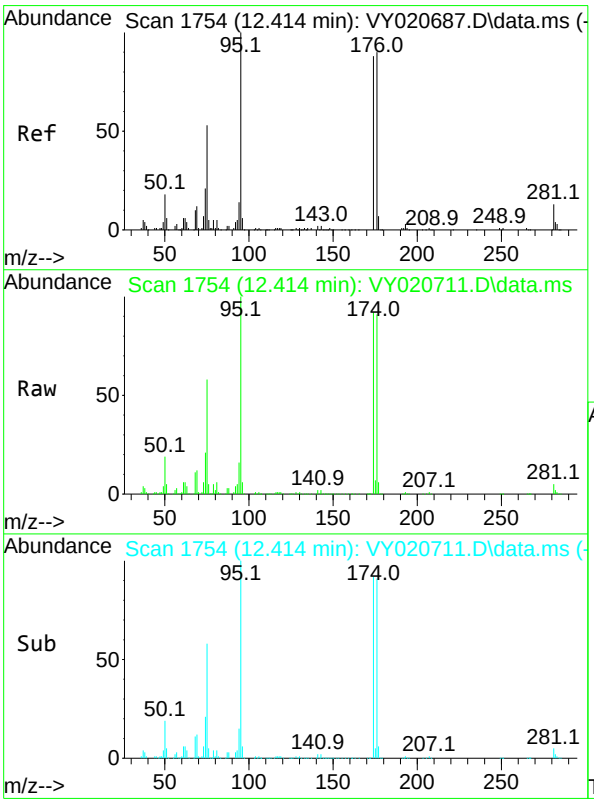
#61
1,2-Dibromoethane
Concen: 100.443 ug/l
RT: 11.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 56939

Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.5	113.3

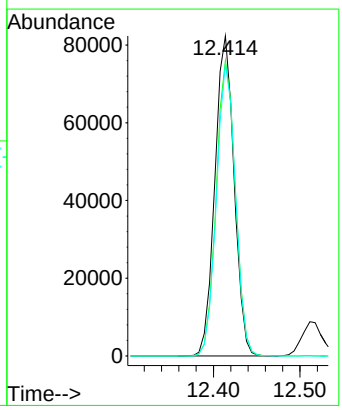


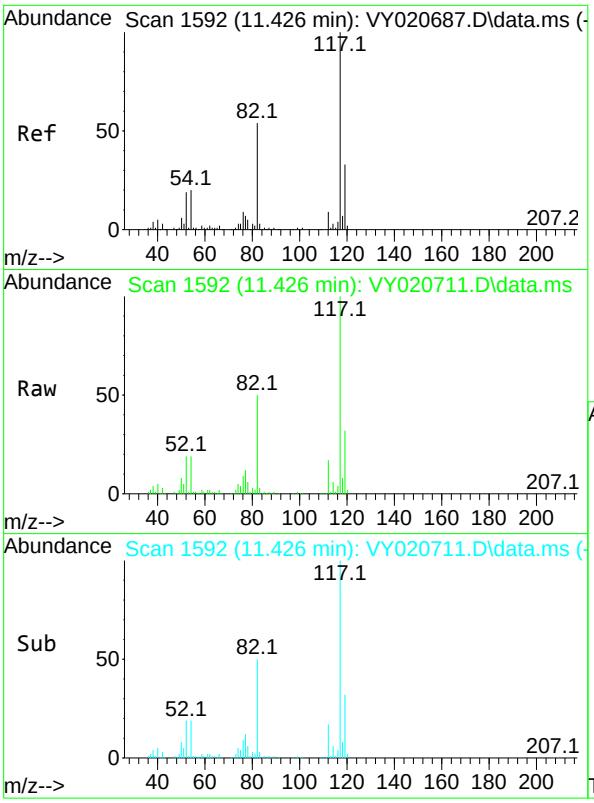


#62
4-Bromofluorobenzene
Concen: 108.473 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 95 Resp: 126890

Ion	Ratio	Lower	Upper
95	100		
174	92.3	0.0	179.2
176	90.0	0.0	179.8



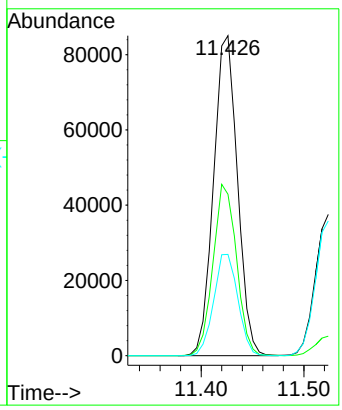


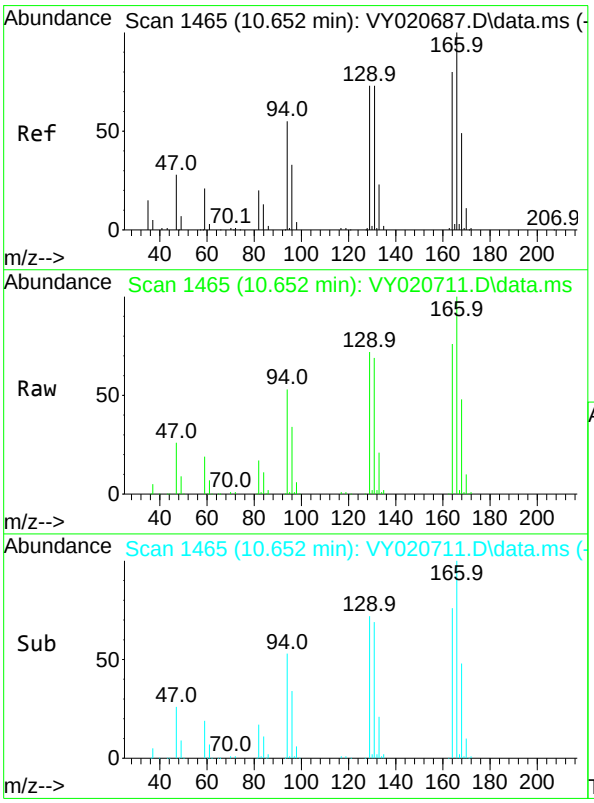
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 137258

Ion	Ratio	Lower	Upper
117	100		
82	50.5	43.4	65.2
119	31.6	26.6	39.8

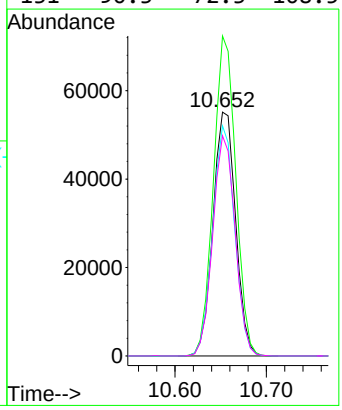


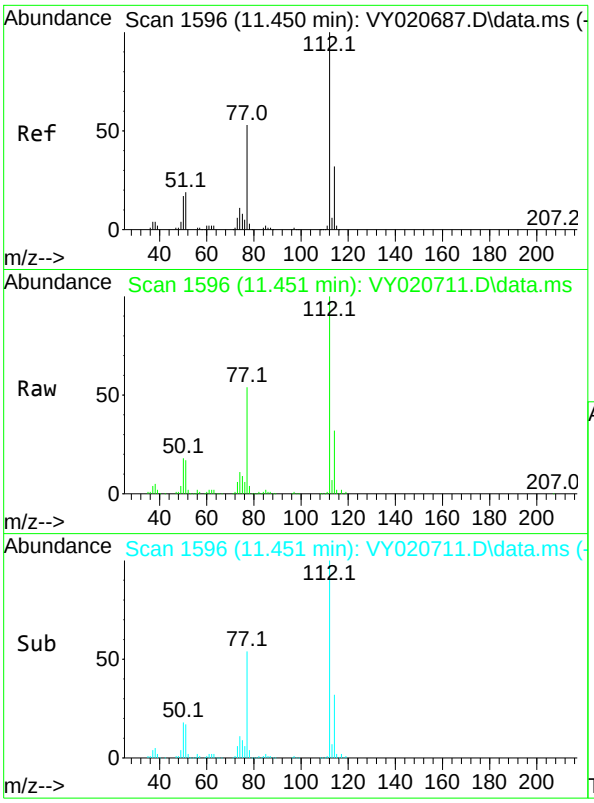


#64
Tetrachloroethene
Concen: 101.351 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:164 Resp: 95043

Ion	Ratio	Lower	Upper
164	100		
166	131.2	99.6	149.4
129	94.4	73.0	109.4
131	90.3	72.3	108.5



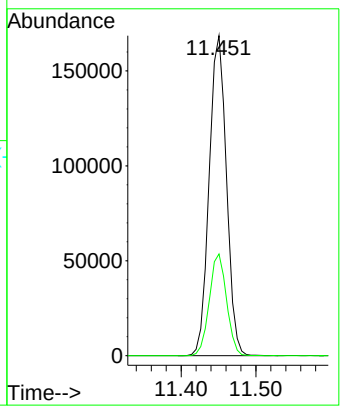


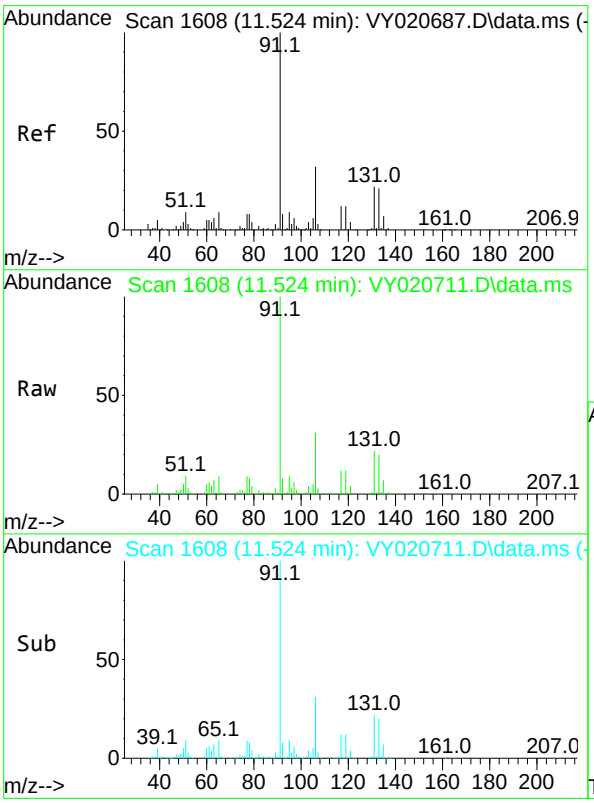
#65
Chlorobenzene
Concen: 100.641 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 270485

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.4	38.0

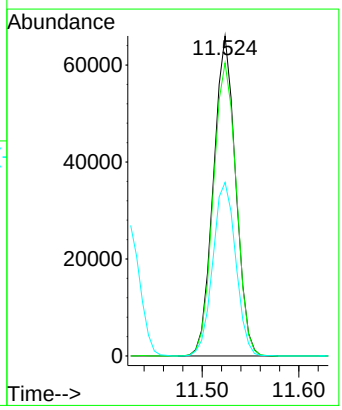


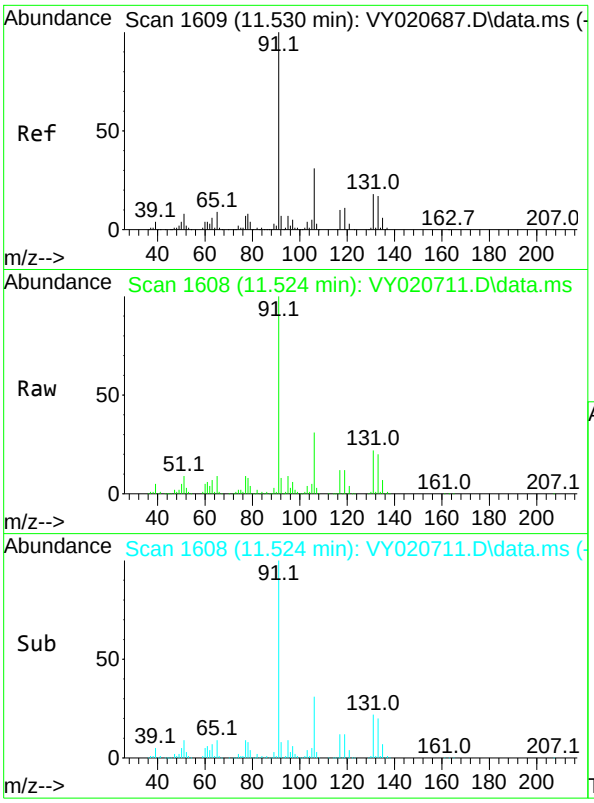


#66
1,1,1,2-Tetrachloroethane
Concen: 101.066 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:131 Resp: 105235

Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.6	145.9
119	55.9	28.4	85.3



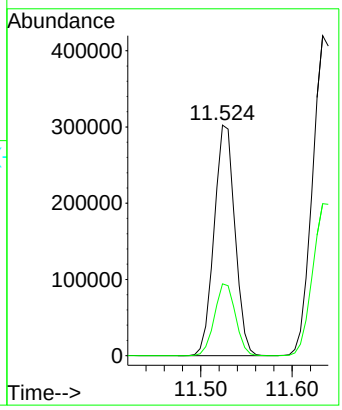


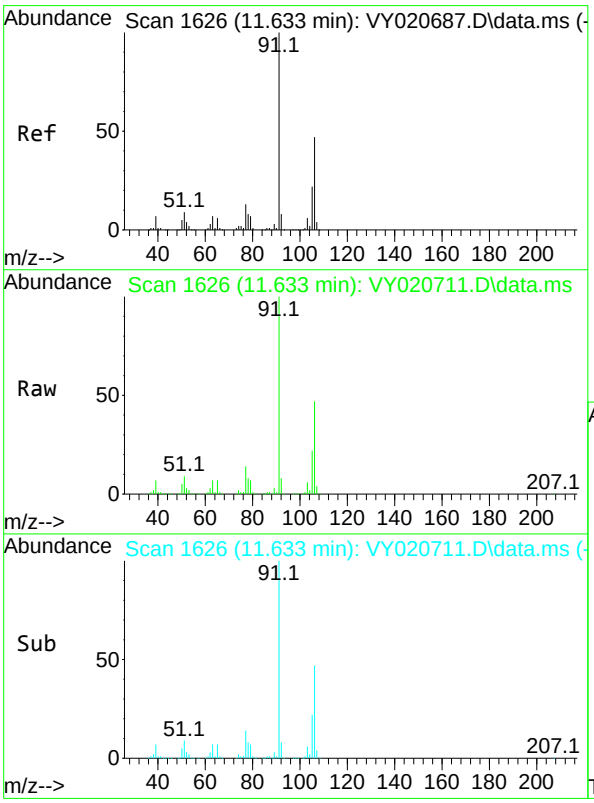
#67
Ethyl Benzene
Concen: 101.867 ug/l
RT: 11.524 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 478506

Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.5	36.7

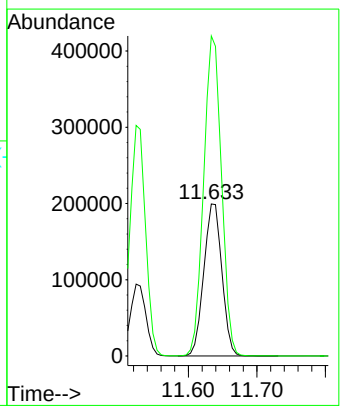


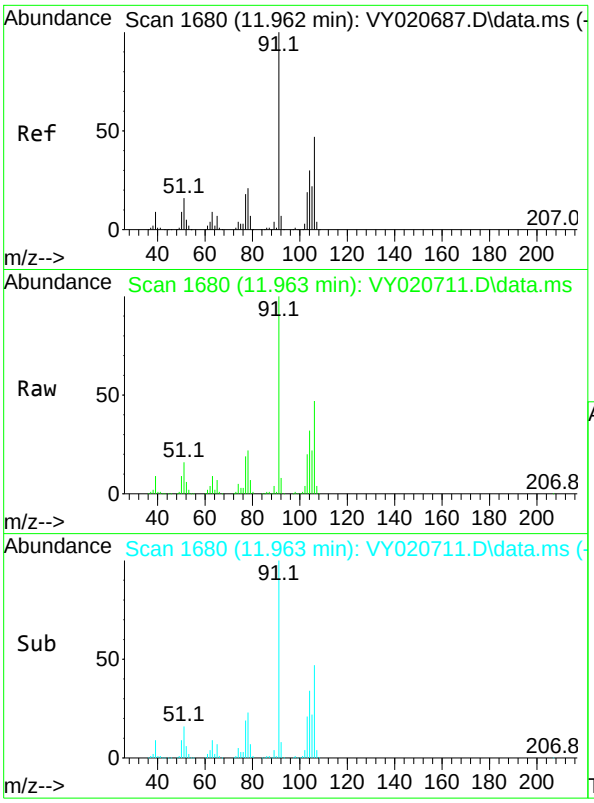


#68
m/p-Xylenes
Concen: 204.314 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:106 Resp: 366100

Ion	Ratio	Lower	Upper
106	100		
91	207.8	166.6	250.0



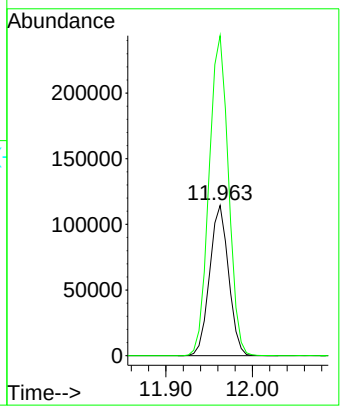


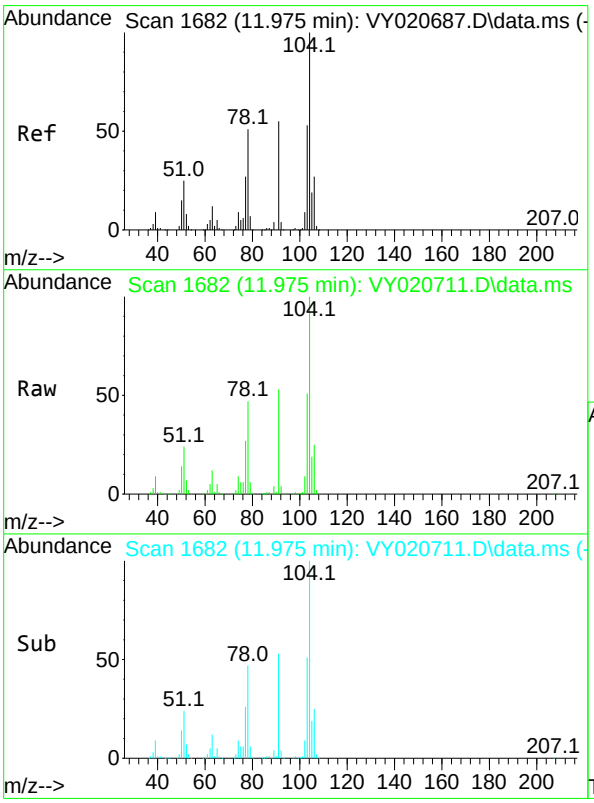
#69
o-Xylene
Concen: 101.366 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 173536

Ion	Ratio	Lower	Upper
106	100		
91	219.0	108.6	325.8

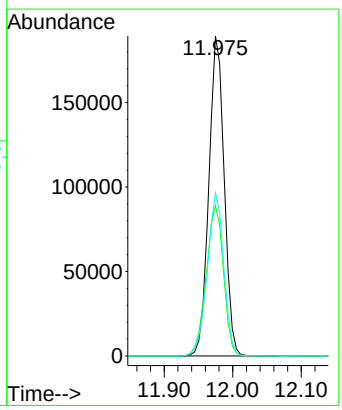


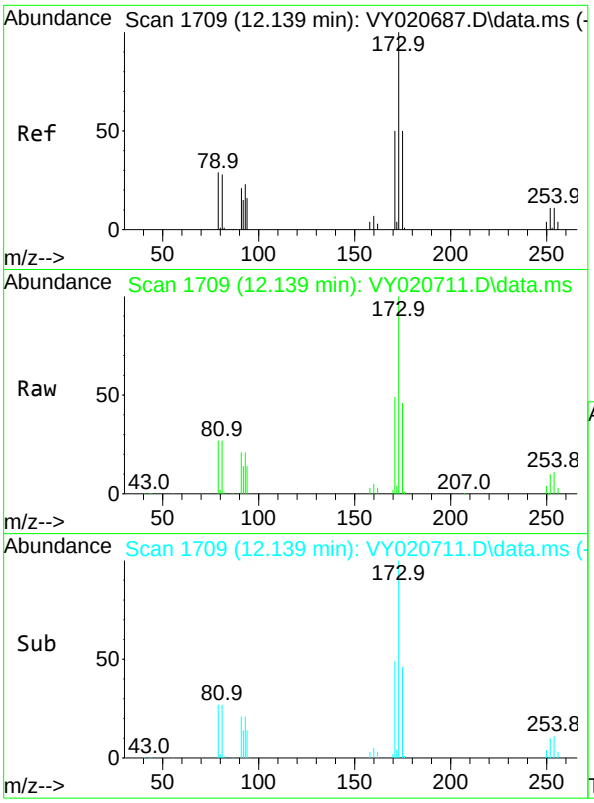


#70
Styrene
Concen: 102.647 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:104 Resp: 294999

Ion	Ratio	Lower	Upper
104	100		
78	52.9	43.0	64.4
103	54.8	44.4	66.6



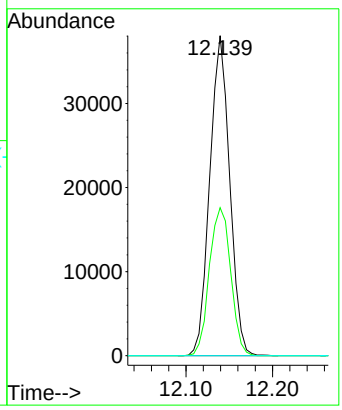


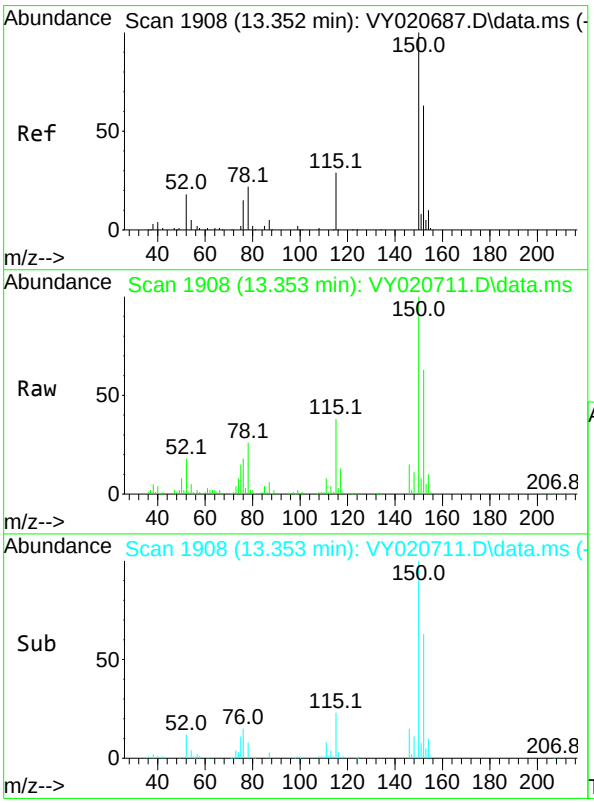
#71
Bromoform
Concen: 101.685 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 60872

Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.2	72.6
254	0.0	0.0	0.0

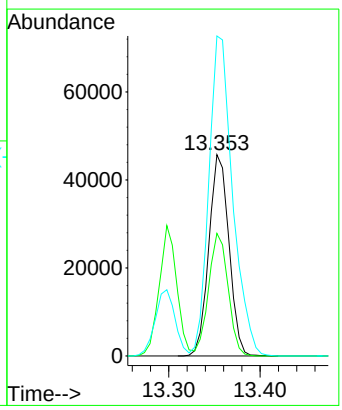


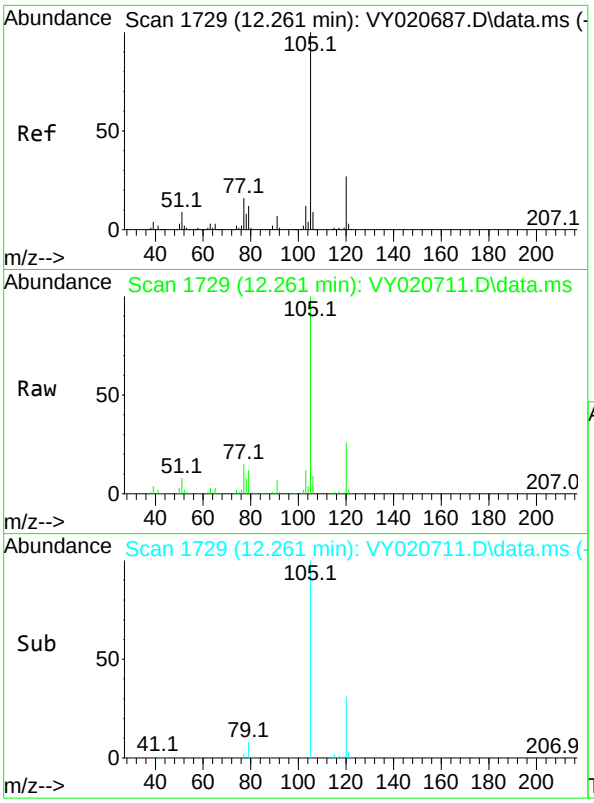


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.001 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:152 Resp: 69727

Ion	Ratio	Lower	Upper
152	100		
115	58.9	30.3	90.9
150	188.5	0.0	349.0



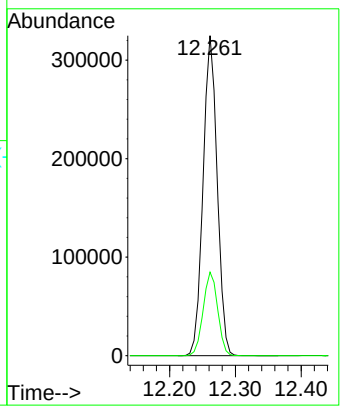


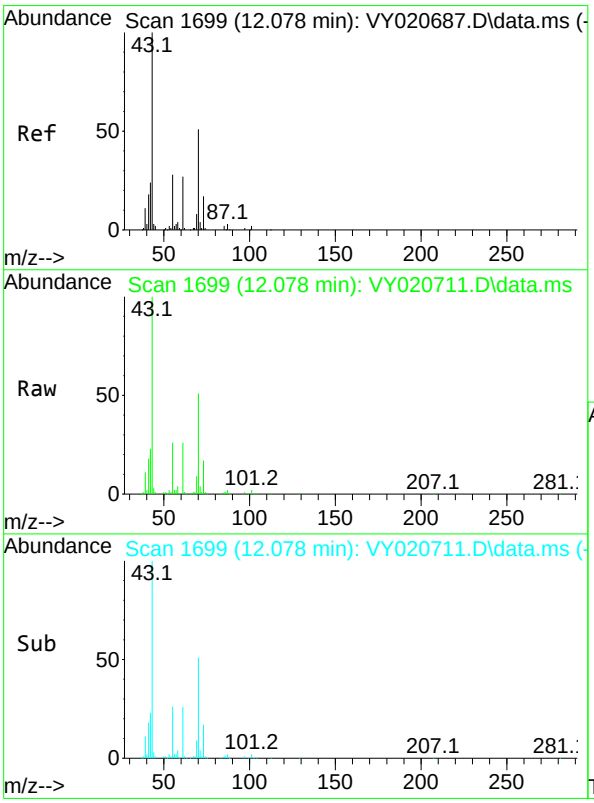
#73
Isopropylbenzene
Concen: 100.300 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 484532

Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.3	39.9

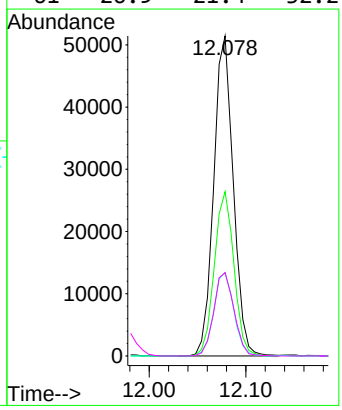


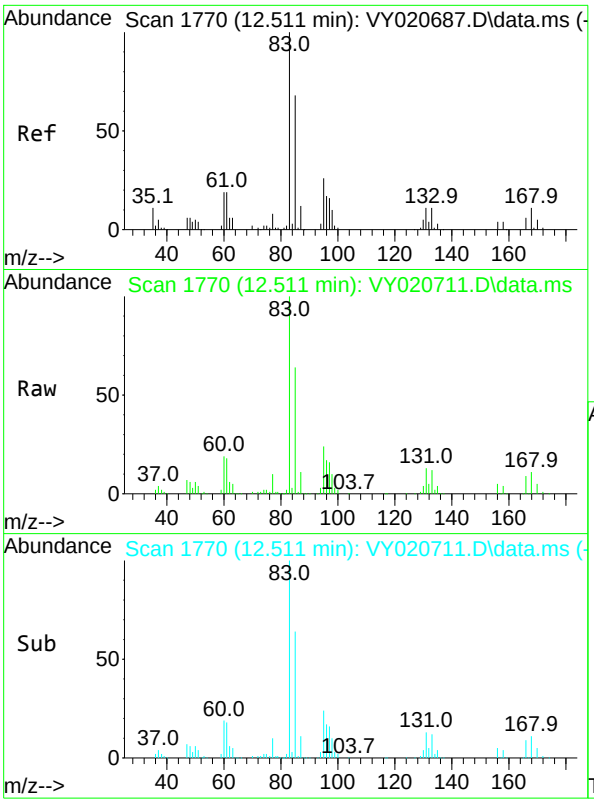


#74
N-amyl acetate
Concen: 105.221 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 43 Resp: 72233

Ion	Ratio	Lower	Upper
43	100		
70	51.4	39.7	59.5
55	26.7	21.5	32.3
61	26.9	21.4	32.2



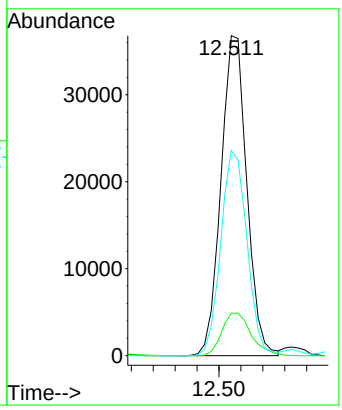


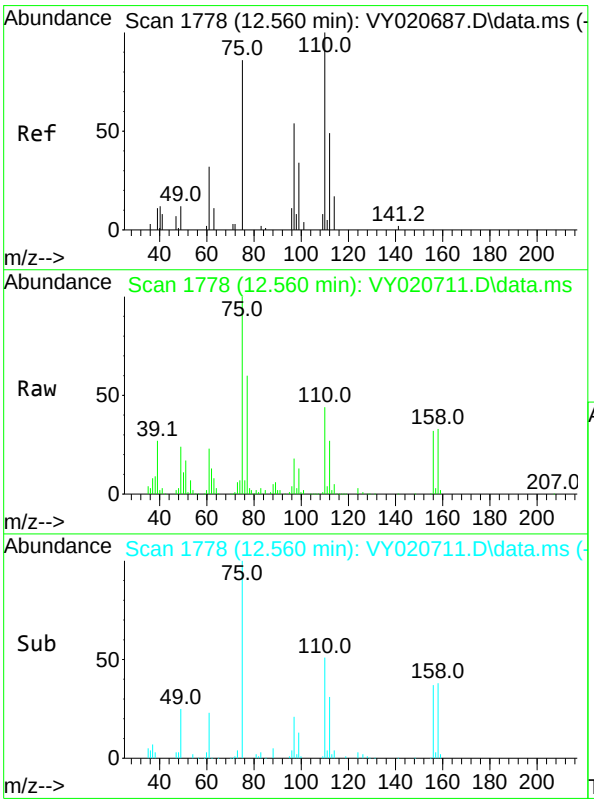
#75
1,1,2,2-Tetrachloroethane
Concen: 97.073 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 60116

Ion	Ratio	Lower	Upper
83	100		
131	15.1	6.9	20.7
85	65.0	32.5	97.4

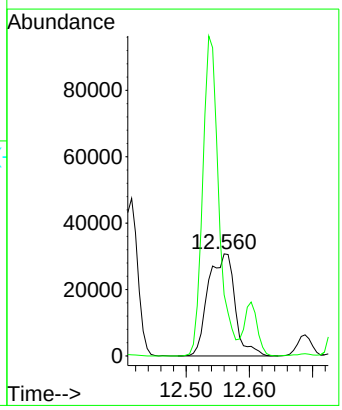


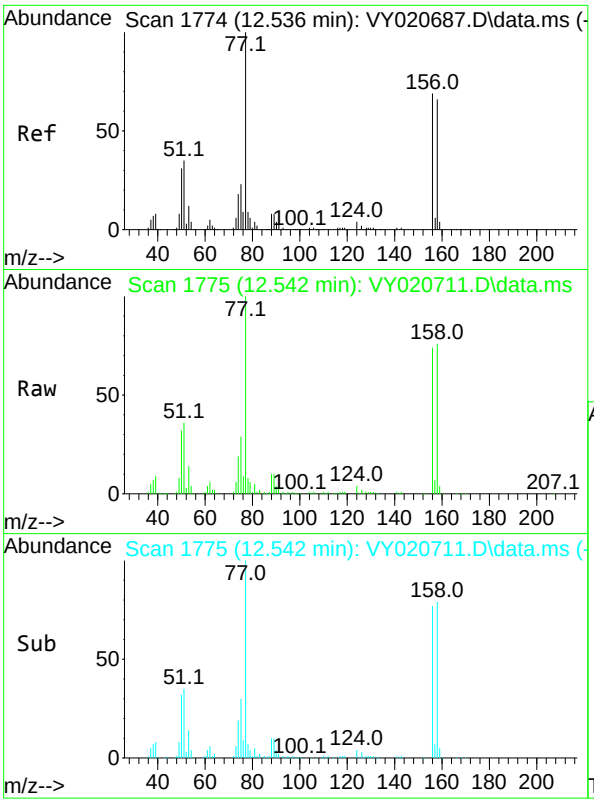


#76
1,2,3-Trichloropropane
Concen: 164.517 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 75 Resp: 90486

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



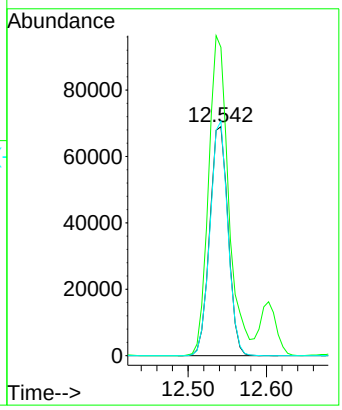


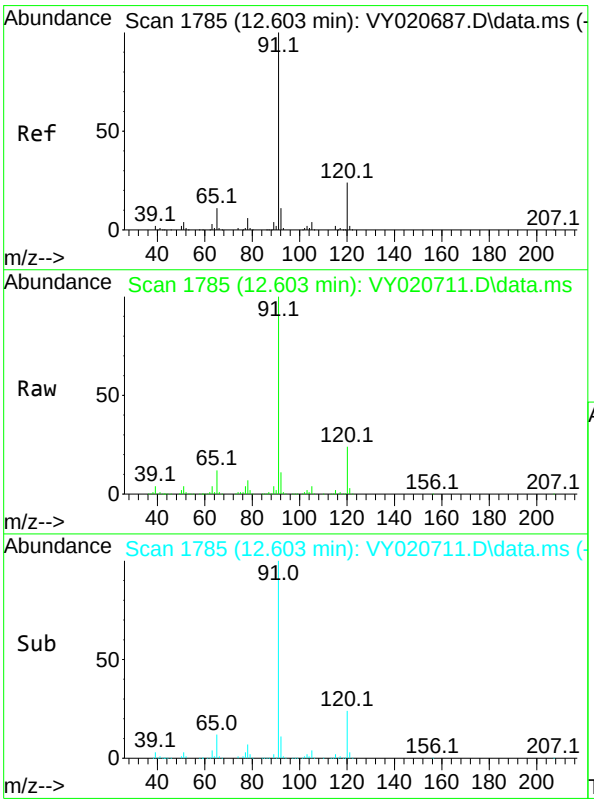
#77
Bromobenzene
Concen: 100.978 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 112291

Ion	Ratio	Lower	Upper
156	100		
77	151.8	78.3	235.0
158	99.4	48.3	144.9

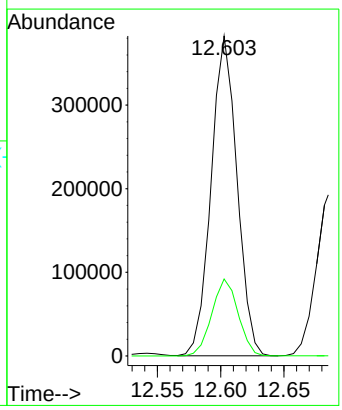


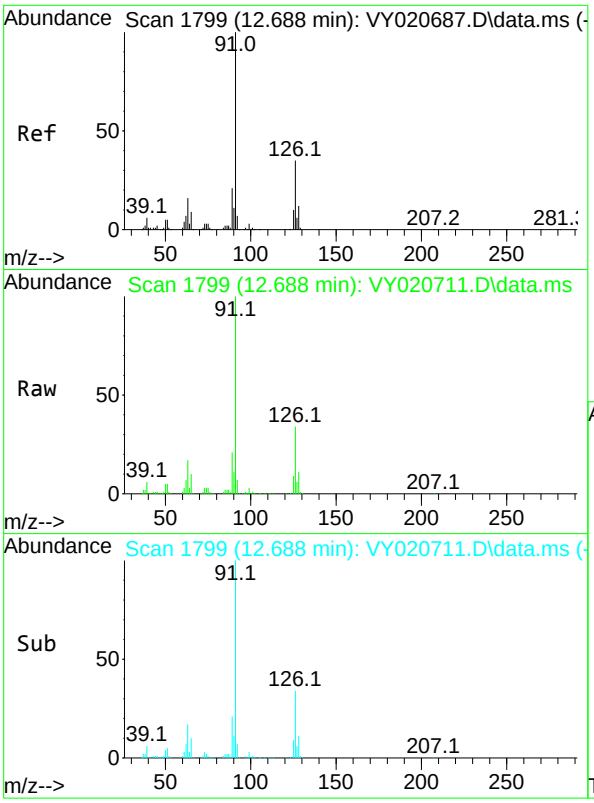


#78
n-propylbenzene
Concen: 100.496 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 91 Resp: 544130

Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.3	36.8



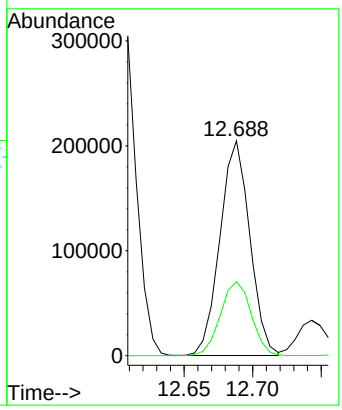


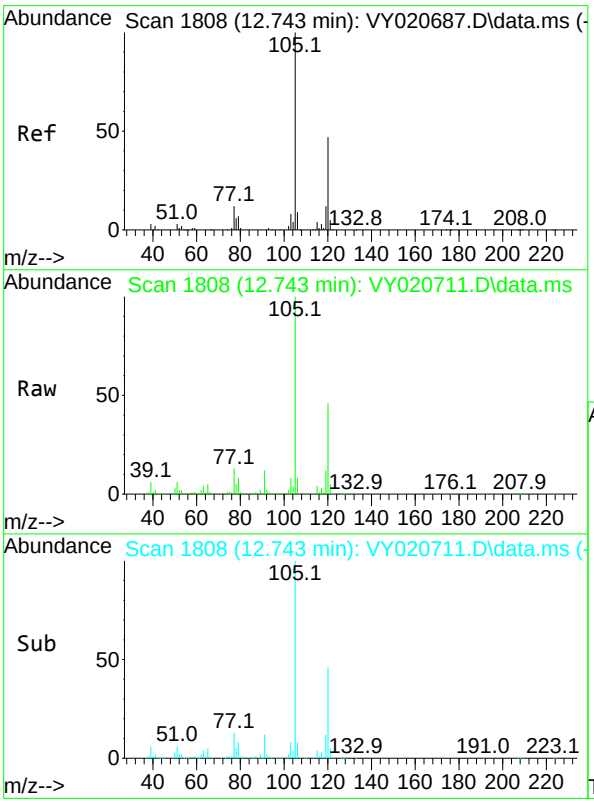
#79
2-Chlorotoluene
Concen: 100.568 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 310413

Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.8	53.3

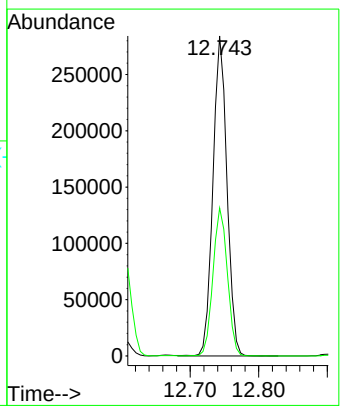


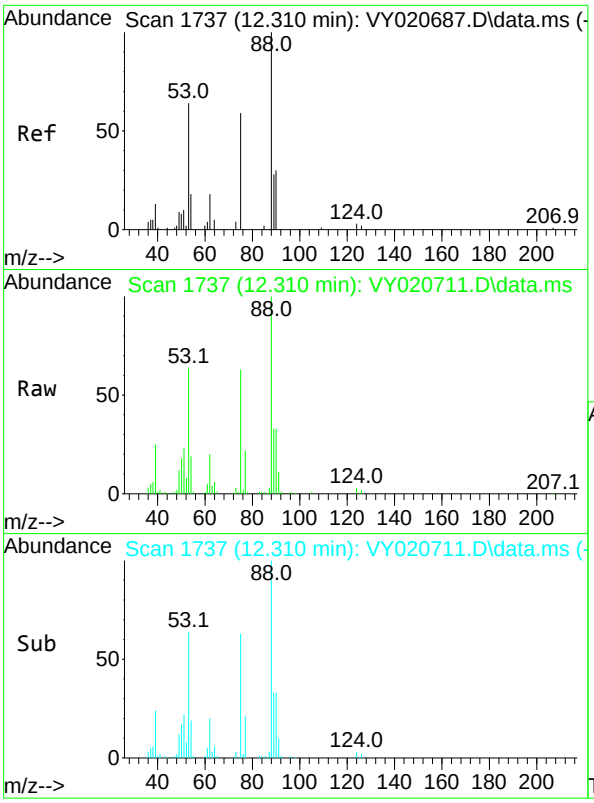


#80
1,3,5-Trimethylbenzene
Concen: 100.572 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:105 Resp: 404786

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.9	71.7



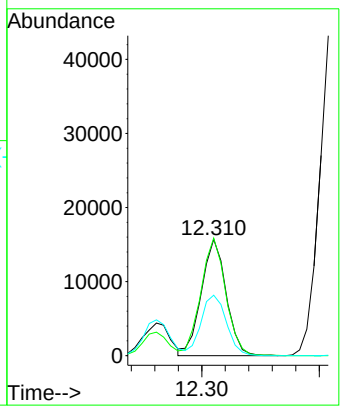


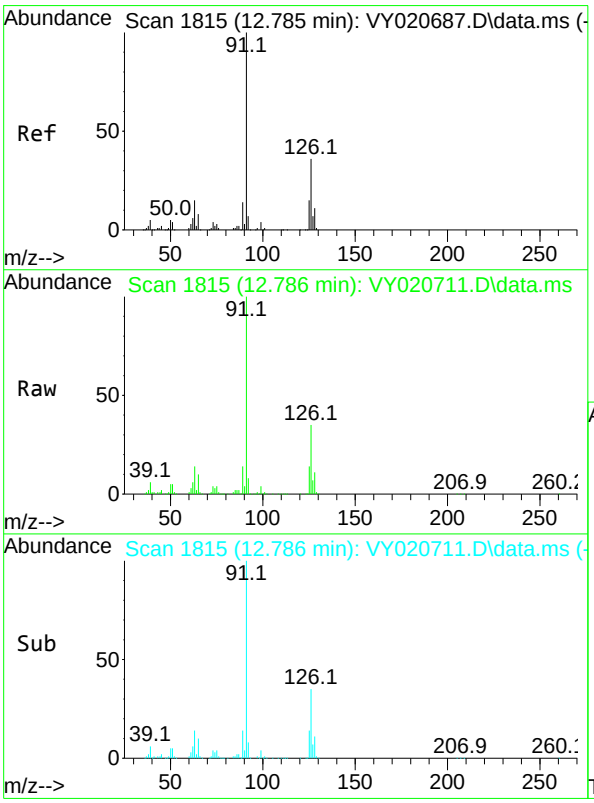
#81
trans-1,4-Dichloro-2-butene
Concen: 102.794 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 23063

Ion	Ratio	Lower	Upper
75	100		
53	101.5	83.1	124.7
89	53.0	40.6	61.0

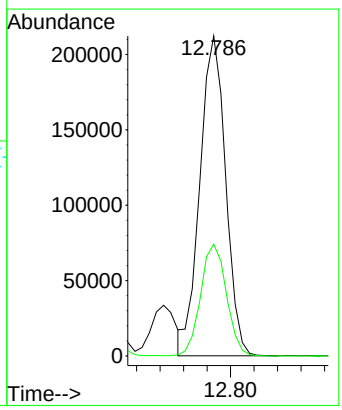


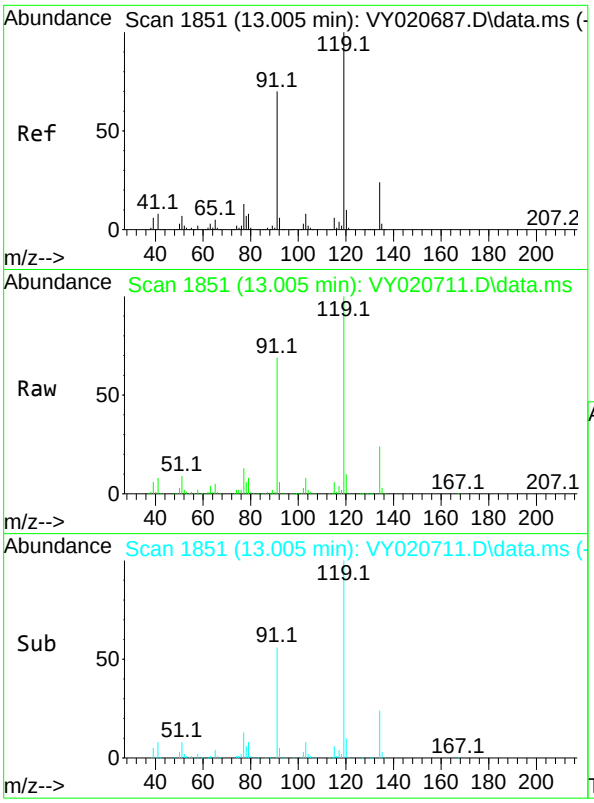


#82
4-Chlorotoluene
Concen: 101.007 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.001 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 91 Resp: 322204

Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.8	53.5



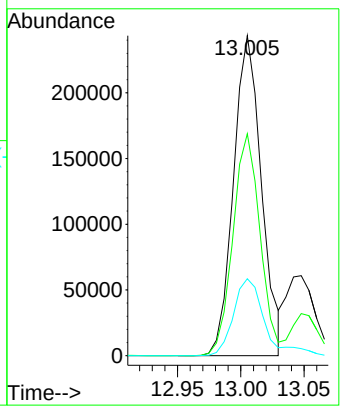


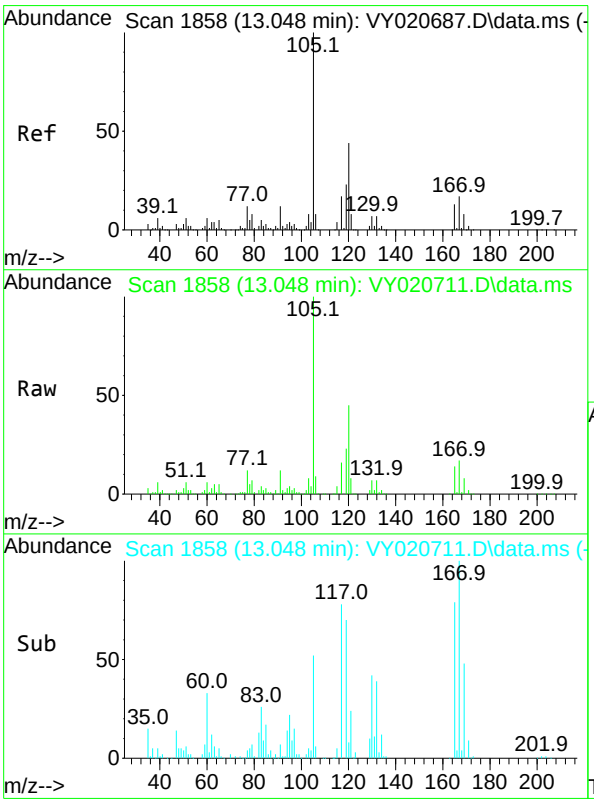
#83
tert-Butylbenzene
Concen: 99.709 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 374773

Ion	Ratio	Lower	Upper
119	100		
91	67.2	33.6	100.8
134	26.7	13.4	40.2

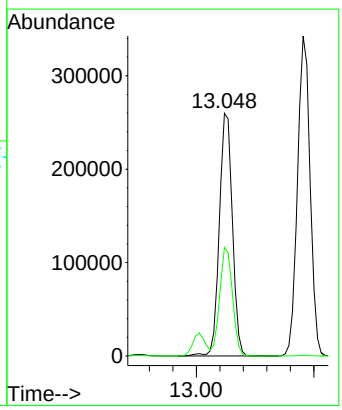


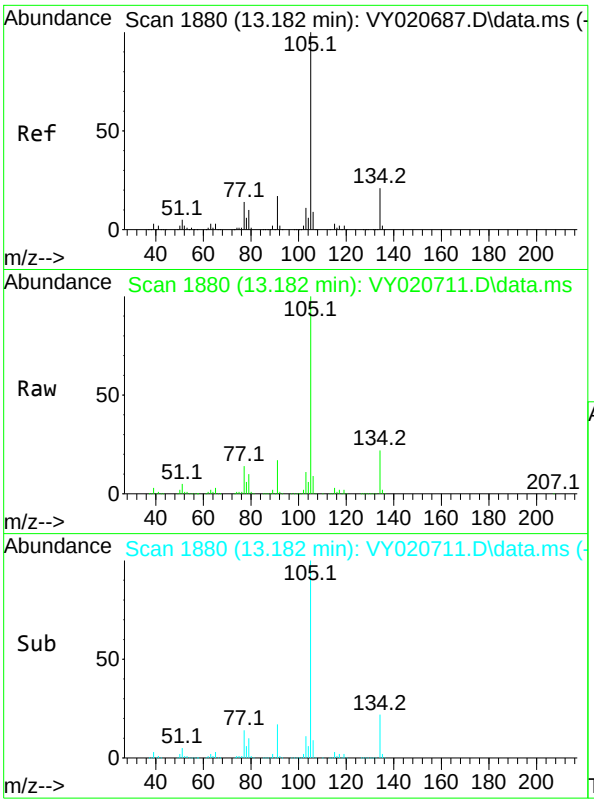


#84
1,2,4-Trimethylbenzene
Concen: 102.079 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:105 Resp: 399805

Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.8	65.3



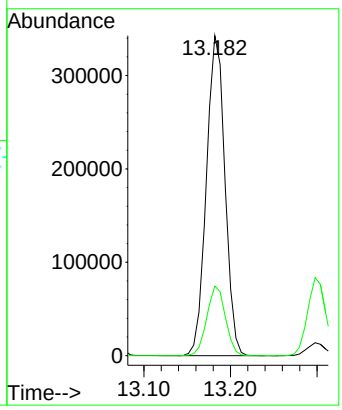


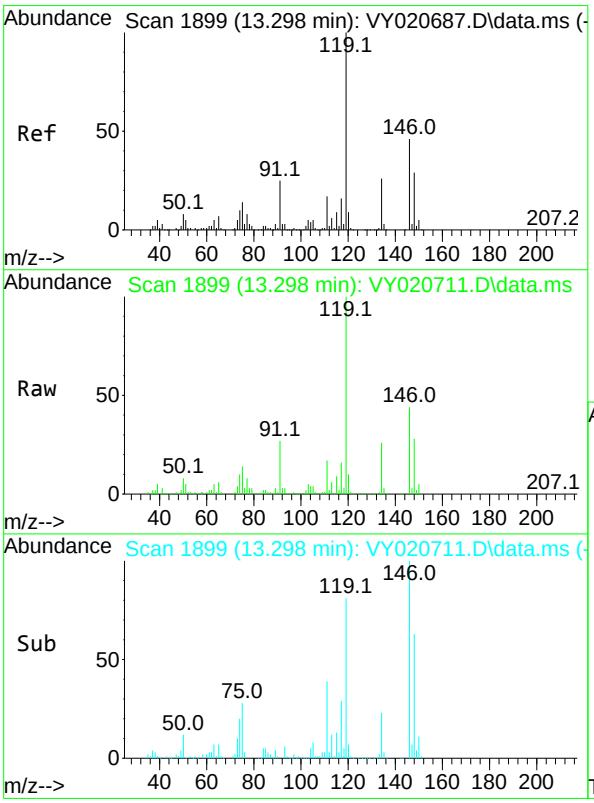
#85
sec-Butylbenzene
Concen: 100.564 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 509425

Ion	Ratio	Lower	Upper
105	100		
134	21.8	10.7	32.1

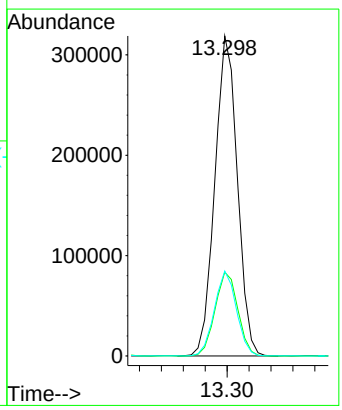


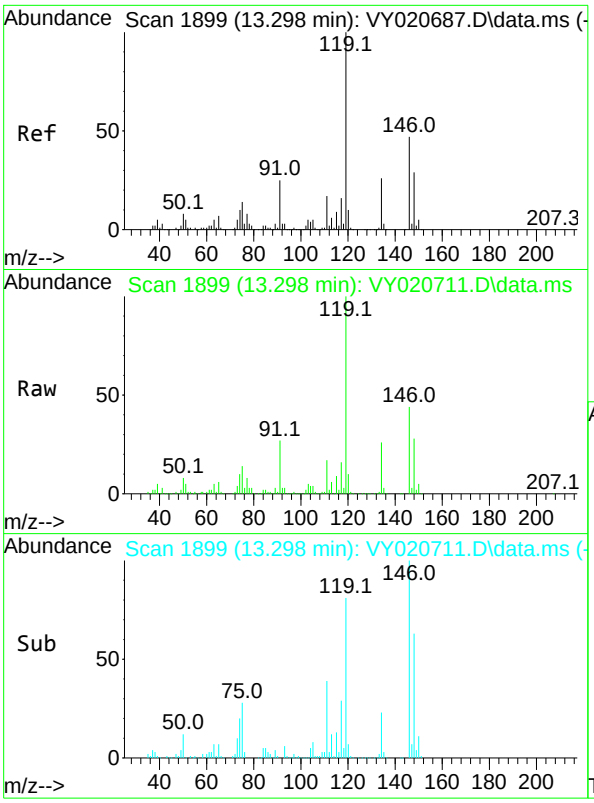


#86
p-Isopropyltoluene
Concen: 100.661 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:119 Resp: 454433

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.4	40.2
91	26.0	12.9	38.6



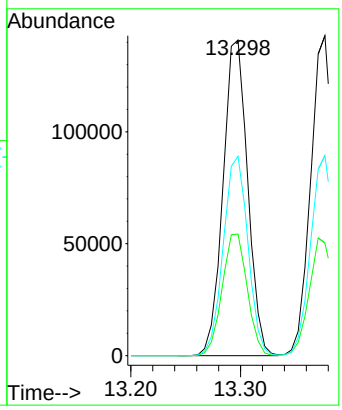


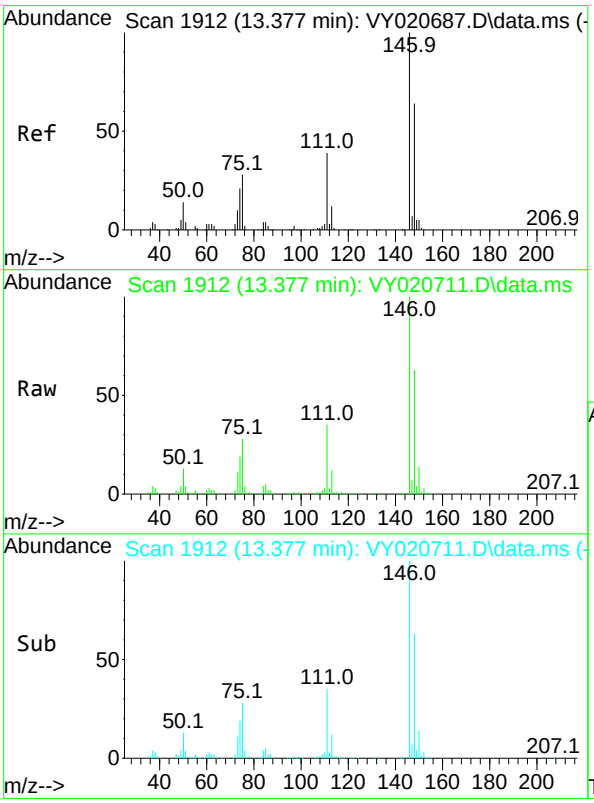
#87
1,3-Dichlorobenzene
Concen: 101.283 ug/l
RT: 13.298 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 220131

Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.3	57.8
148	63.3	31.1	93.5

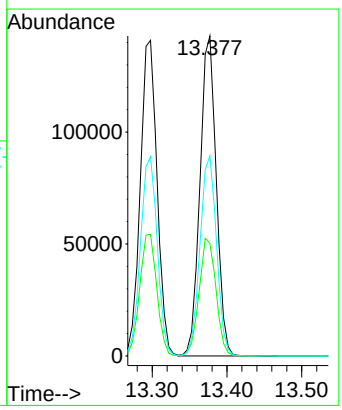


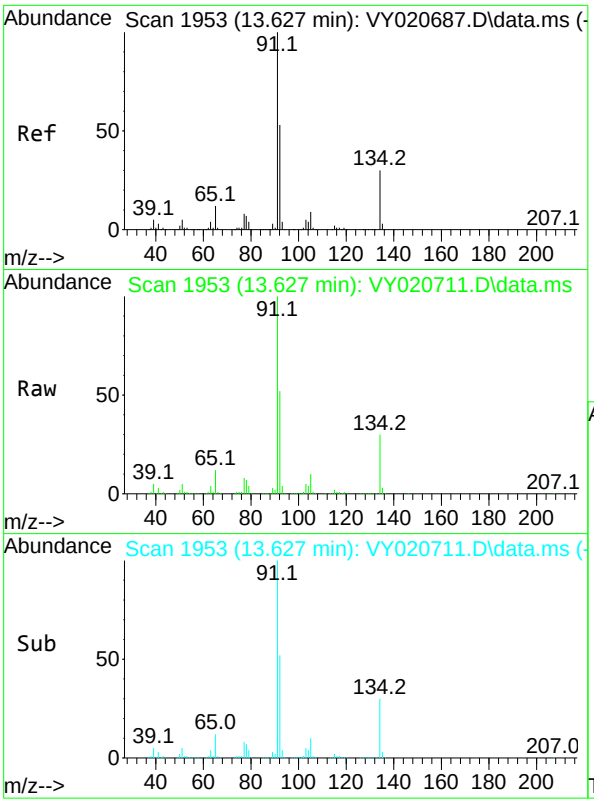


#88
1,4-Dichlorobenzene
Concen: 99.911 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:146 Resp: 216013

Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.7	59.0
148	63.8	32.8	98.3



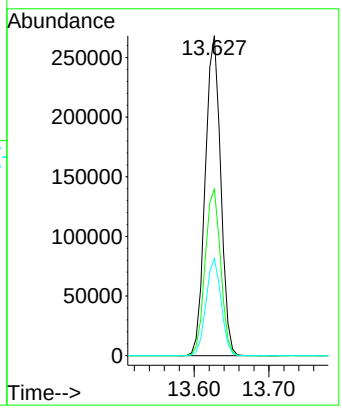


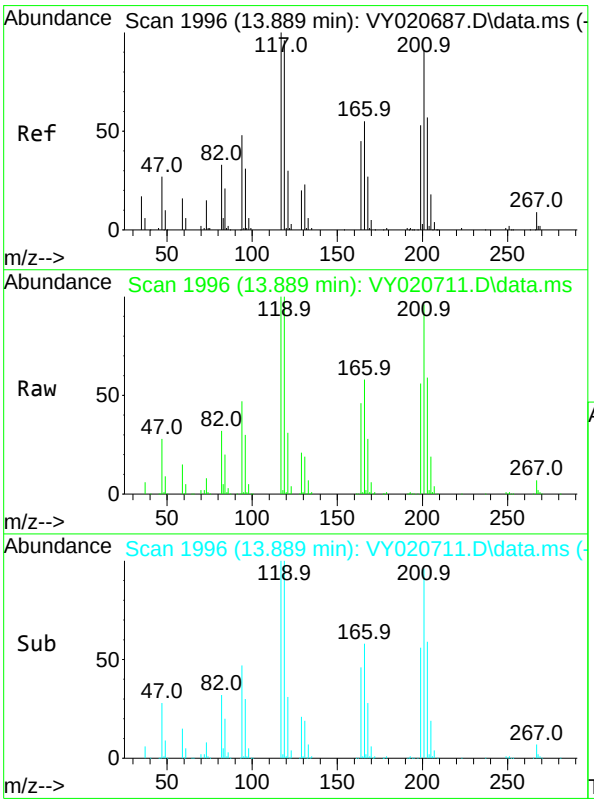
#89
n-Butylbenzene
Concen: 102.152 ug/l
RT: 13.627 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 384958

Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.2
134	29.7	14.8	44.4

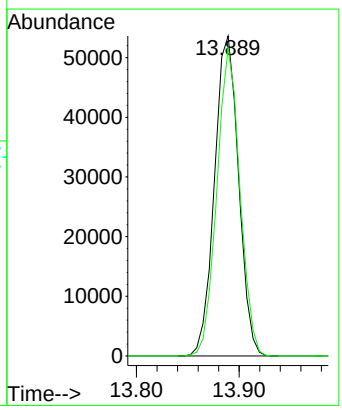


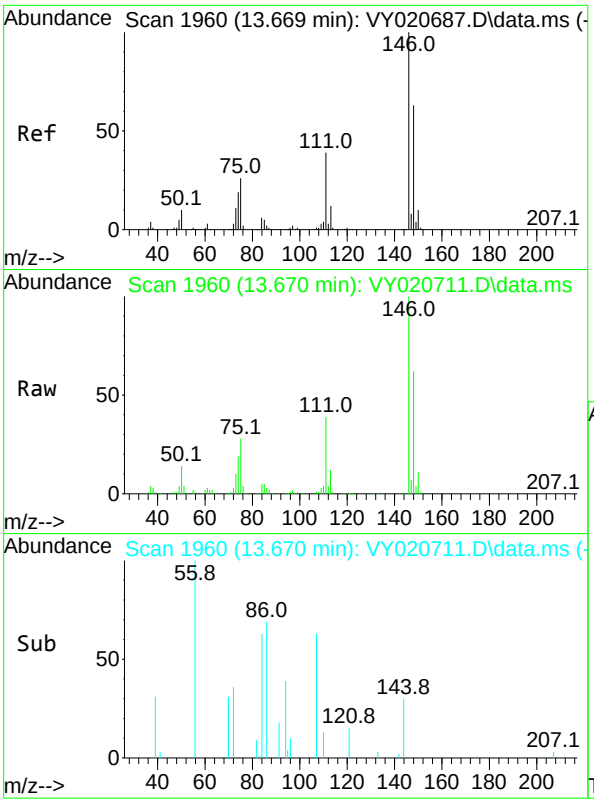


#90
Hexachloroethane
Concen: 101.535 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:117 Resp: 87162

Ion	Ratio	Lower	Upper
117	100		
201	92.2	44.9	134.7



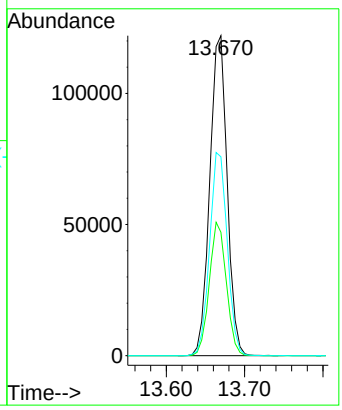


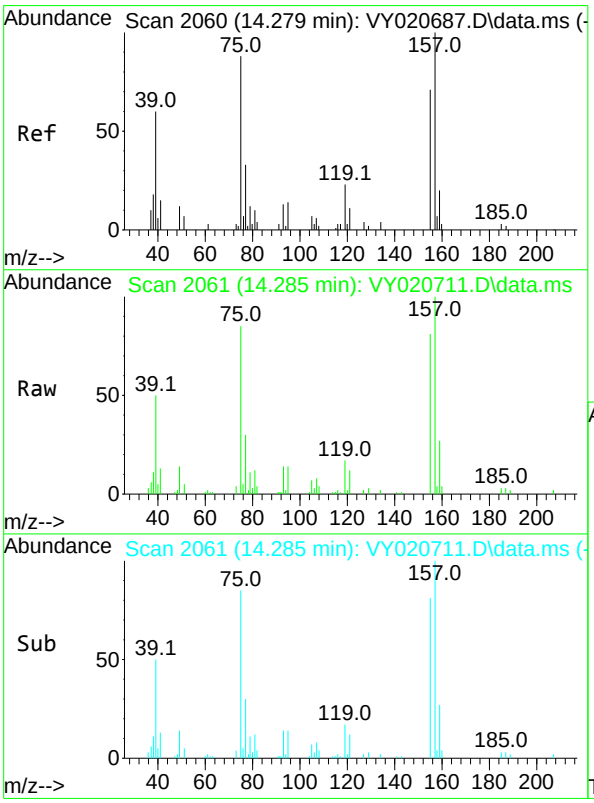
#91
1,2-Dichlorobenzene
Concen: 100.778 ug/l
RT: 13.670 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 187803

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.8
148	64.5	31.9	95.5

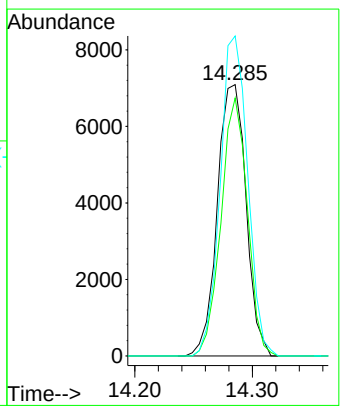


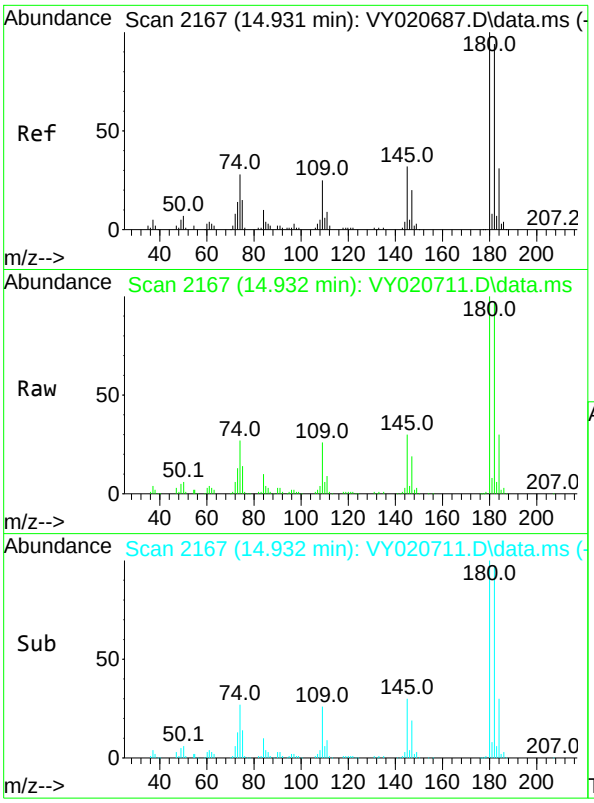


#92
1,2-Dibromo-3-Chloropropane
Concen: 100.298 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion: 75 Resp: 12047

Ion	Ratio	Lower	Upper
75	100		
155	87.1	43.4	130.2
157	113.0	58.6	175.7



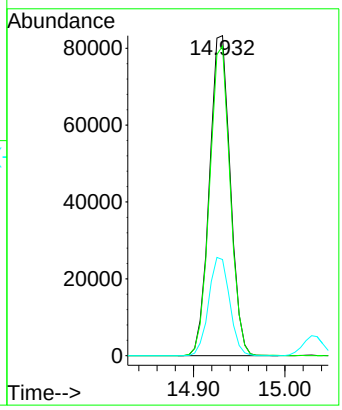


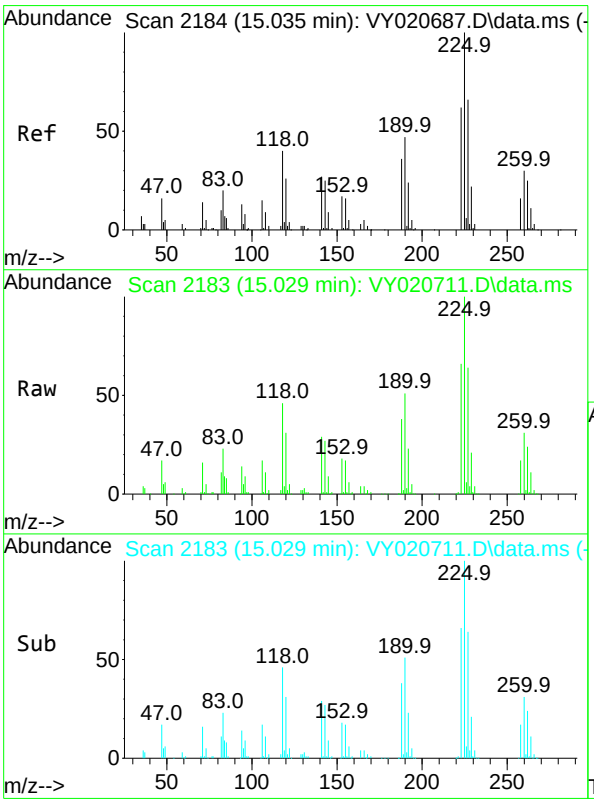
#93
1,2,4-Trichlorobenzene
Concen: 111.184 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.001 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 131697

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.7
145	30.8	15.6	46.8

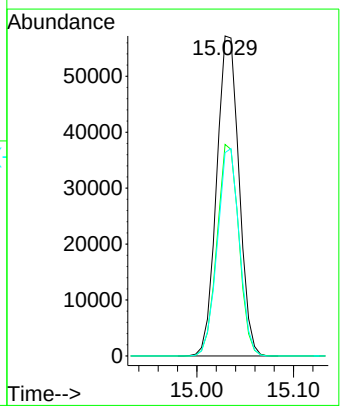


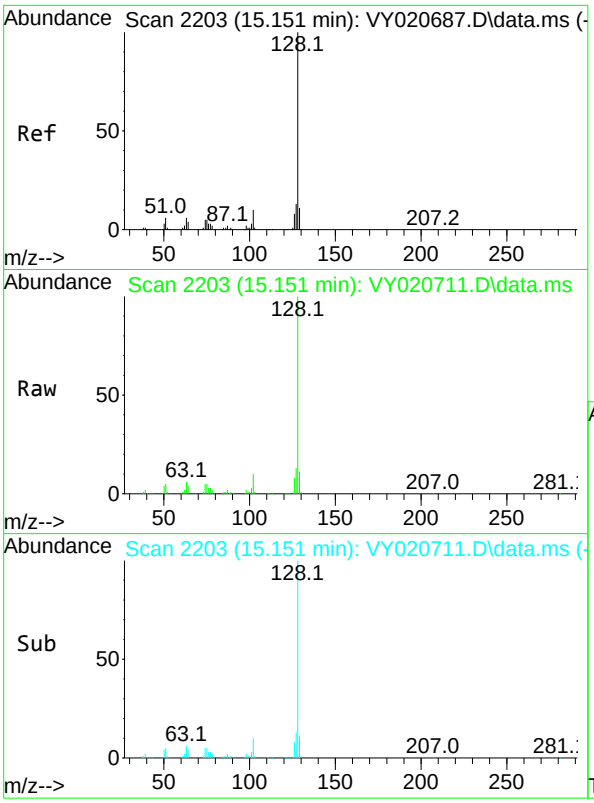


#94
Hexachlorobutadiene
Concen: 106.228 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.006 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:225 Resp: 91705

Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.3	93.8
227	63.6	32.1	96.5



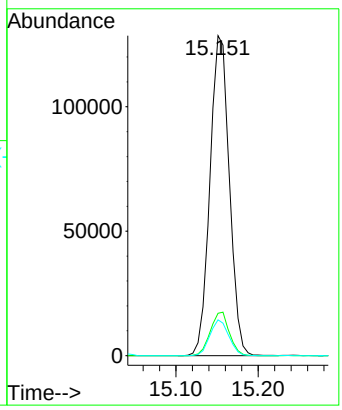


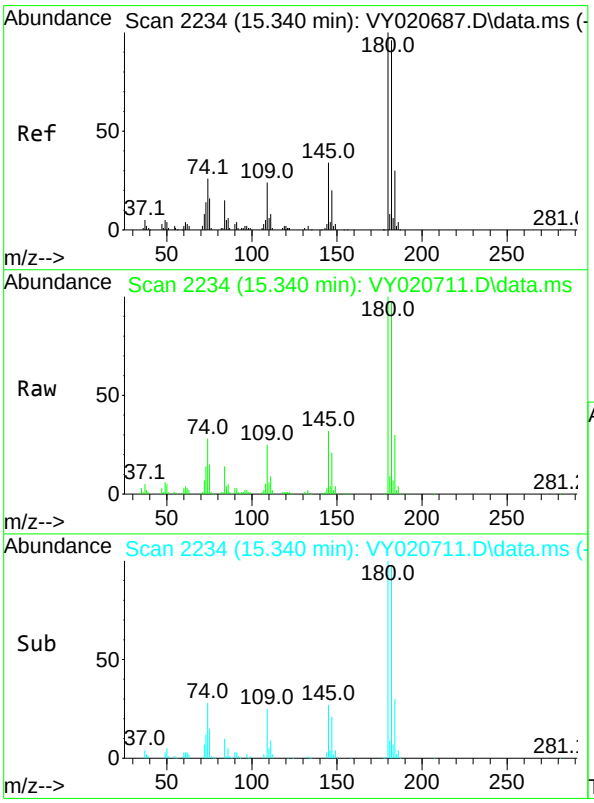
#95
Naphthalene
Concen: 111.196 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 210953

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.9	8.6	12.8

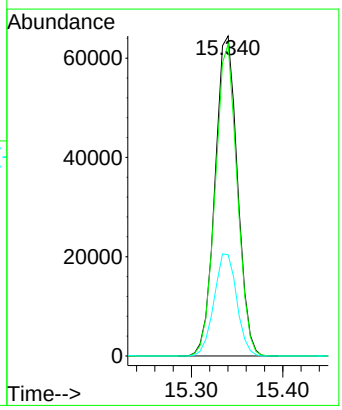




#96
1,2,3-Trichlorobenzene
Concen: 111.325 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.000 min
Lab File: VY020711.D
Acq: 26 Dec 2024 11:51

Tgt Ion:180 Resp: 109793

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.4	142.2
145	32.3	16.7	50.1



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020713.D
Acq On : 26 Dec 2024 12:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Quant Time: Dec 26 16:15:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	116912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	160856	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	136421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.358	152	70383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	50667	52.910	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.820%			
35) Dibromofluoromethane	7.646	113	46763	52.779	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.560%			
50) Toluene-d8	10.115	98	184089	52.171	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.340%			
62) 4-Bromofluorobenzene	12.413	95	62660	53.215	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 106.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	43692	47.479	ug/l	98
3) Chloromethane	2.080	50	18877	55.003	ug/l	99
4) Vinyl Chloride	2.214	62	21107	49.638	ug/l	97
5) Bromomethane	2.610	94	16385	51.036	ug/l	92
6) Chloroethane	2.750	64	13110	51.394	ug/l	100
7) Trichlorofluoromethane	3.074	101	79960	48.899	ug/l	100
8) Diethyl Ether	3.470	74	19539	50.215	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.830	101	43422	48.370	ug/l	98
10) Methyl Iodide	4.019	142	50185	51.123	ug/l	99
11) Tert butyl alcohol	4.878	59	12665	208.224	ug/l #	85
12) 1,1-Dichloroethene	3.805	96	39605	49.566	ug/l	99
13) Acrolein	3.677	56	2881	143.918	ug/l	97
14) Allyl chloride	4.403	41	47747	51.064	ug/l	96
15) Acrylonitrile	5.073	53	34113	226.940	ug/l	99
16) Acetone	3.878	43	25249	207.840	ug/l	99
17) Carbon Disulfide	4.122	76	103010	52.554	ug/l	99
18) Methyl Acetate	4.403	43	15970	48.572	ug/l	100
19) Methyl tert-butyl Ether	5.134	73	106703	47.911	ug/l	100
20) Methylene Chloride	4.628	84	39747	50.306	ug/l	90
21) trans-1,2-Dichloroethene	5.134	96	43912	50.999	ug/l	98
22) Diisopropyl ether	6.030	45	95914	50.460	ug/l	98
23) Vinyl Acetate	5.976	43	275873	242.987	ug/l	100
24) 1,1-Dichloroethane	5.933	63	72030	50.544	ug/l	99
25) 2-Butanone	6.908	43	36966	225.260	ug/l	97
26) 2,2-Dichloropropane	6.902	77	82553	47.328	ug/l	100
27) cis-1,2-Dichloroethene	6.908	96	51212	49.666	ug/l	98
28) Bromochloromethane	7.262	49	20413	54.165	ug/l	90
29) Tetrahydrofuran	7.280	42	22616	224.521	ug/l	95
30) Chloroform	7.433	83	88644	48.353	ug/l	95
31) Cyclohexane	7.713	56	55329	44.979	ug/l	94
32) 1,1,1-Trichloroethane	7.634	97	95277	48.484	ug/l	99
36) 1,1-Dichloropropene	7.847	75	57746	49.340	ug/l	99
37) Ethyl Acetate	7.000	43	18046	46.791	ug/l	97
38) Carbon Tetrachloride	7.829	117	94603	49.087	ug/l	98
39) Methylcyclohexane	9.121	83	76295	50.860	ug/l	95
40) Benzene	8.091	78	173716	51.214	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020713.D
Acq On : 26 Dec 2024 12:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Quant Time: Dec 26 16:15:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.237	41	9136	46.896	ug/l		94
42) 1,2-Dichloroethane	8.170	62	52925	48.661	ug/l		99
43) Isopropyl Acetate	8.207	43	38101	46.479	ug/l		97
44) Trichloroethene	8.877	130	50355	49.703	ug/l		92
45) 1,2-Dichloropropane	9.152	63	34051	49.593	ug/l		99
46) Dibromomethane	9.237	93	22170	46.666	ug/l		97
47) Bromodichloromethane	9.432	83	65991	48.995	ug/l		94
48) Methyl methacrylate	9.231	41	17544	45.829	ug/l		99
49) 1,4-Dioxane	9.237	88	4519	998.617	ug/l		96
51) 4-Methyl-2-Pentanone	10.005	43	91062	230.147	ug/l		99
52) Toluene	10.182	92	119622	51.455	ug/l		98
53) t-1,3-Dichloropropene	10.402	75	57734	48.805	ug/l		99
54) cis-1,3-Dichloropropene	9.865	75	64766	49.949	ug/l		98
55) 1,1,2-Trichloroethane	10.578	97	29233	48.206	ug/l		99
56) Ethyl methacrylate	10.444	69	37050	46.506	ug/l		99
57) 1,3-Dichloropropane	10.725	76	48458	49.234	ug/l		96
58) 2-Chloroethyl Vinyl ether	9.719	63	67974	244.679	ug/l		97
59) 2-Hexanone	10.767	43	59853	229.110	ug/l		97
60) Dibromochloromethane	10.920	129	47597	48.574	ug/l		100
61) 1,2-Dibromoethane	11.023	107	27610	48.387	ug/l		100
64) Tetrachloroethene	10.658	164	46724	50.131	ug/l		95
65) Chlorobenzene	11.450	112	133203	49.866	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.523	131	52397	50.630	ug/l		98
67) Ethyl Benzene	11.529	91	238810	51.151	ug/l		98
68) m/p-Xylenes	11.639	106	183706	103.152	ug/l		98
69) o-Xylene	11.962	106	86833	51.032	ug/l		99
70) Styrene	11.981	104	144868	50.717	ug/l		99
71) Bromoform	12.139	173	28995	48.733	ug/l	#	98
73) Isopropylbenzene	12.261	105	242449	49.720	ug/l		99
74) N-amyl acetate	12.078	43	33272	48.015	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	29166	46.657	ug/l		99
76) 1,2,3-Trichloropropane	12.566	75	42892	95.817	ug/l	#	100
77) Bromobenzene	12.541	156	56640	50.459	ug/l		96
78) n-propylbenzene	12.602	91	273917	50.119	ug/l		99
79) 2-Chlorotoluene	12.688	91	154710	49.656	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	205116	50.488	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	11017	48.646	ug/l		94
82) 4-Chlorotoluene	12.785	91	161536	50.168	ug/l		99
83) tert-Butylbenzene	13.005	119	188052	49.565	ug/l		99
84) 1,2,4-Trimethylbenzene	13.054	105	203012	51.350	ug/l		99
85) sec-Butylbenzene	13.188	105	258622	50.578	ug/l		99
86) p-Isopropyltoluene	13.303	119	230385	50.557	ug/l		100
87) 1,3-Dichlorobenzene	13.297	146	108941	49.657	ug/l		97
88) 1,4-Dichlorobenzene	13.377	146	107603	49.305	ug/l		98
89) n-Butylbenzene	13.627	91	194314	51.082	ug/l		99
90) Hexachloroethane	13.889	117	42996	49.619	ug/l		100
91) 1,2-Dichlorobenzene	13.669	146	95132	50.573	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	5601	46.197	ug/l		95
93) 1,2,4-Trichlorobenzene	14.931	180	62409	52.197	ug/l		99
94) Hexachlorobutadiene	15.035	225	44277	50.811	ug/l		98
95) Naphthalene	15.157	128	94983	49.600	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	51411	51.643	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020713.D
Acq On : 26 Dec 2024 12:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Quant Time: Dec 26 16:15:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

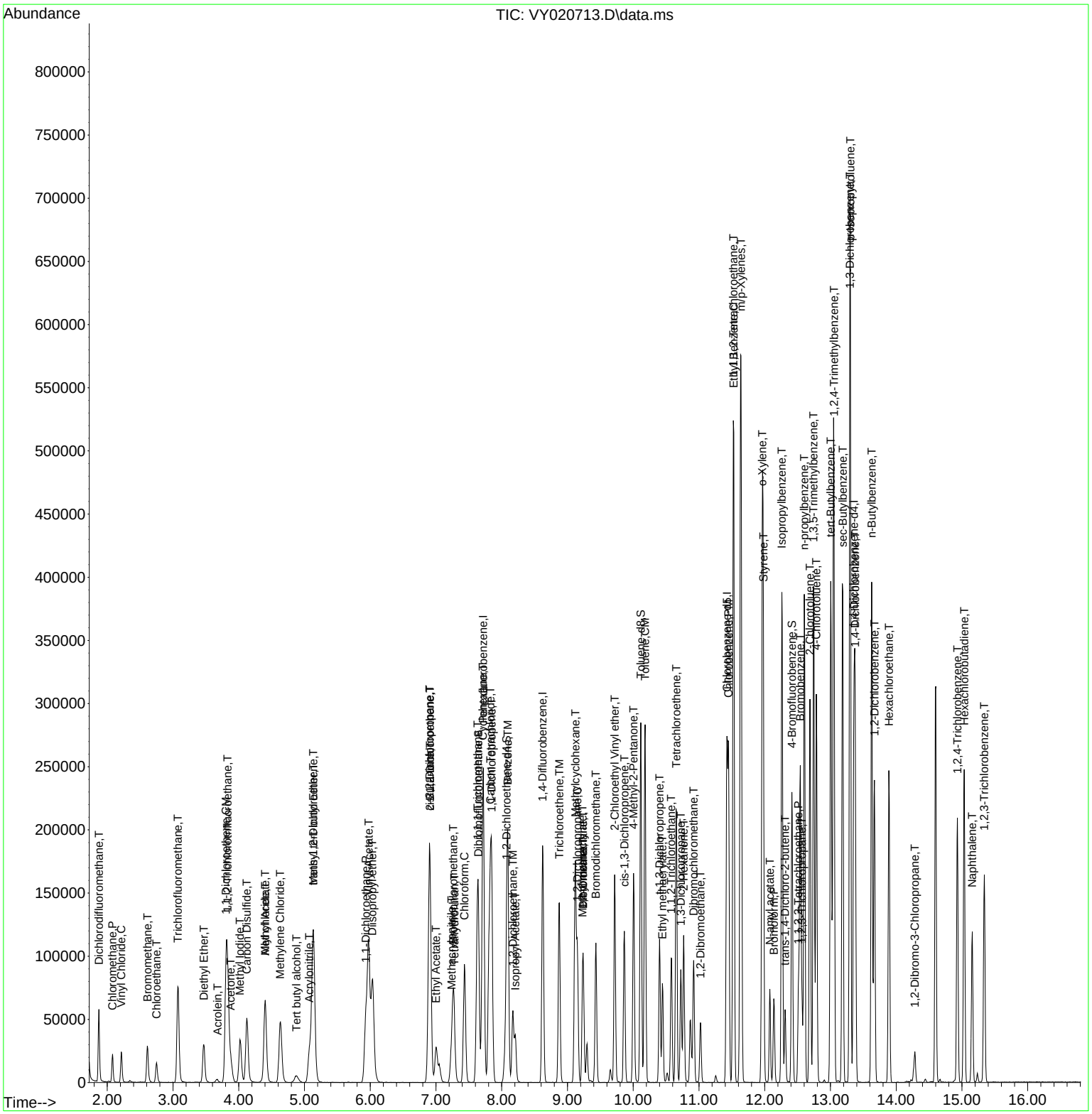
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

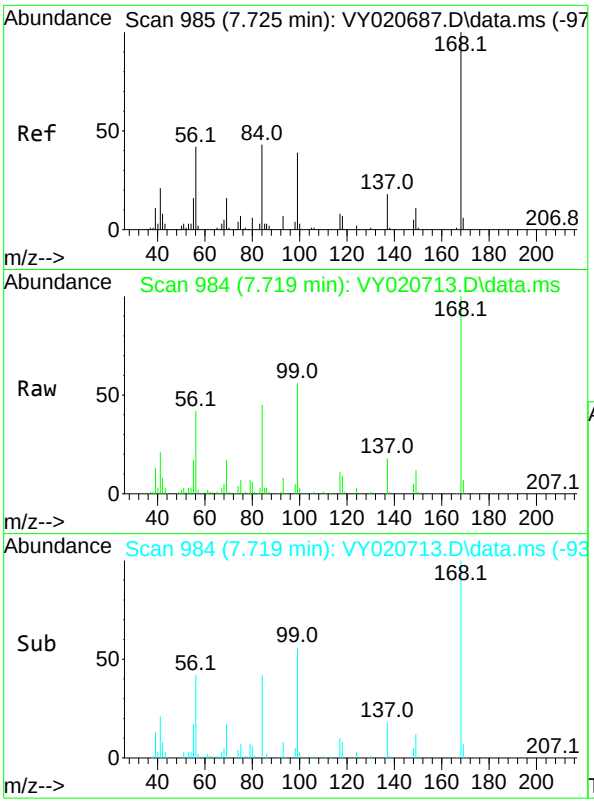
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020713.D
Acq On : 26 Dec 2024 12:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Quant Time: Dec 26 16:15:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration



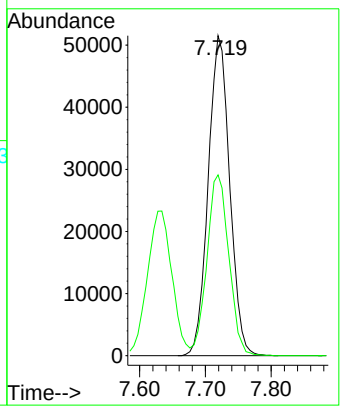


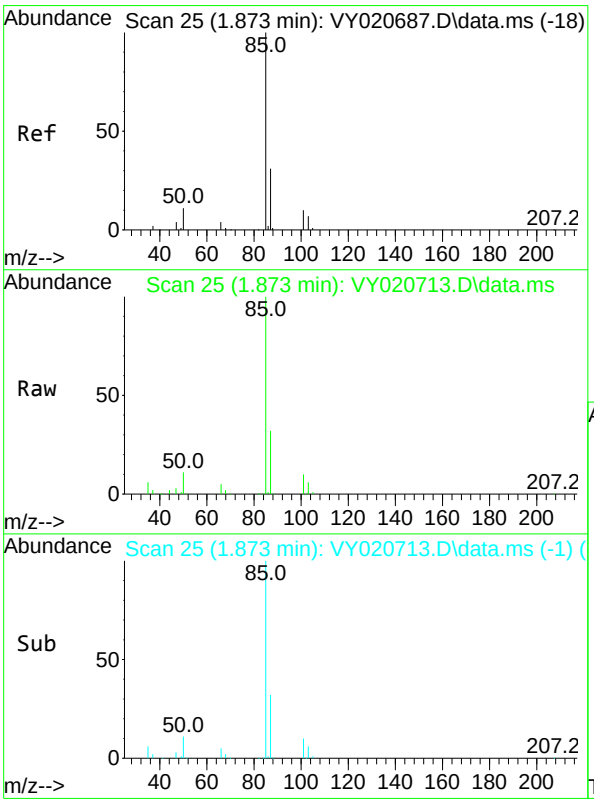
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion:168 Resp: 116912

Ion	Ratio	Lower	Upper
168	100		
99	56.5	43.8	65.6

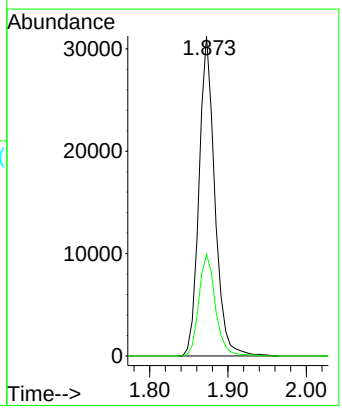


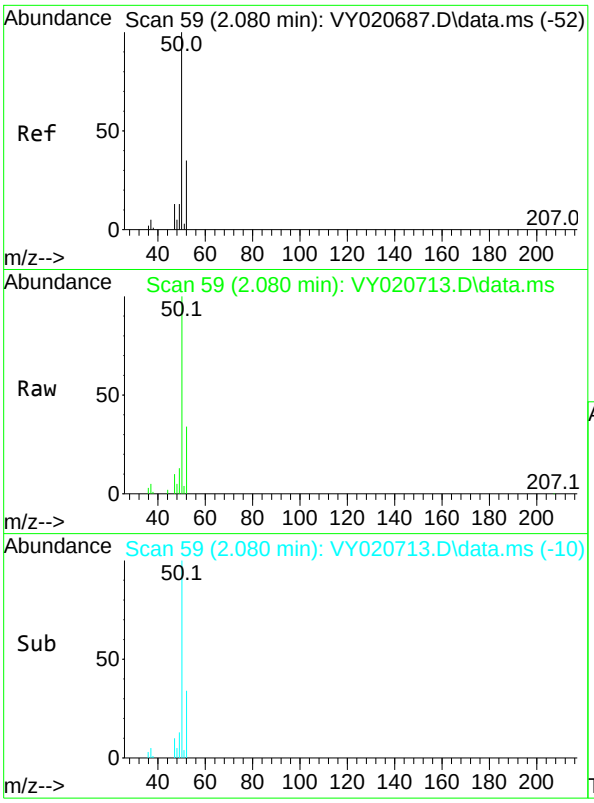


#2
Dichlorodifluoromethane
Concen: 47.479 ug/l
RT: 1.873 min Scan# 25
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 85 Resp: 43692

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.4	46.4



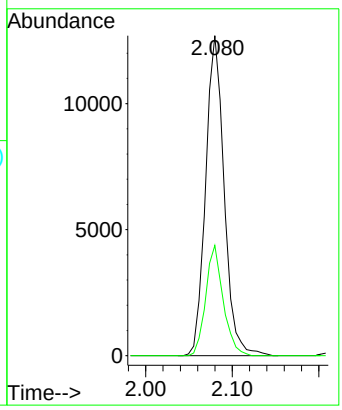


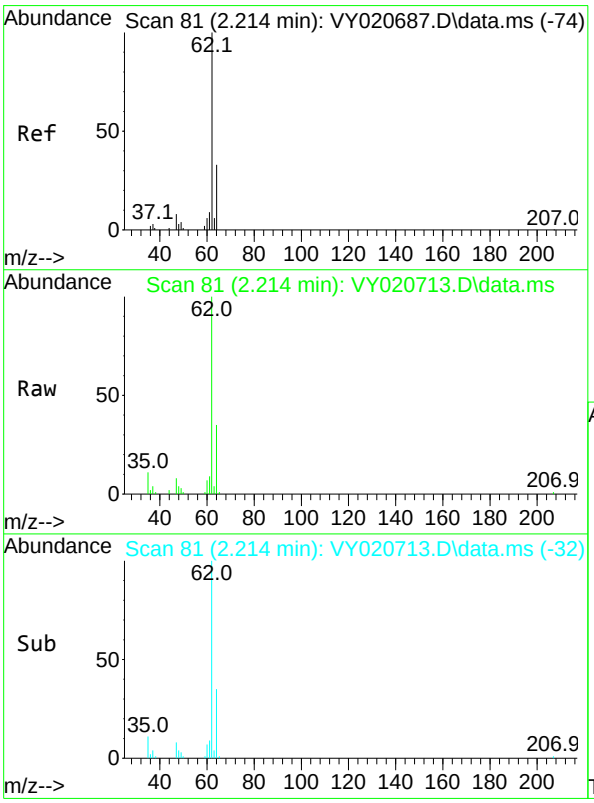
#3
Chloromethane
Concen: 55.003 ug/l
RT: 2.080 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 50 Resp: 18877

Ion	Ratio	Lower	Upper
50	100		
52	34.4	28.2	42.2

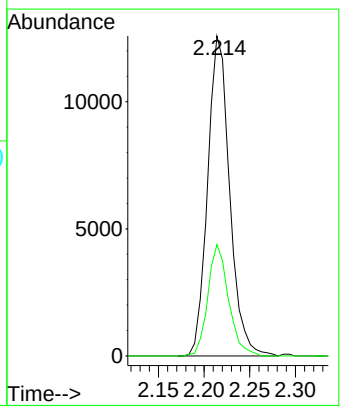


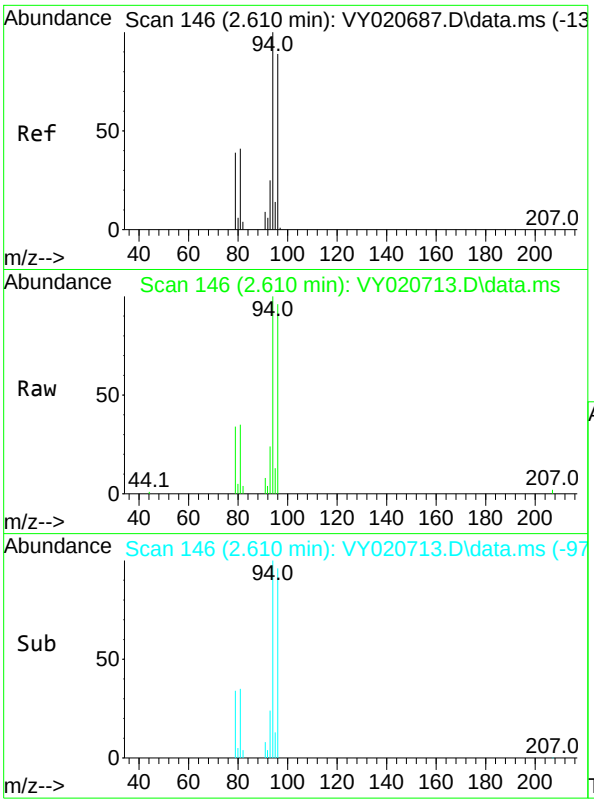


#4
Vinyl Chloride
Concen: 49.638 ug/l
RT: 2.214 min Scan# 81
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 62 Resp: 21107

Ion	Ratio	Lower	Upper
62	100		
64	34.8	26.6	40.0



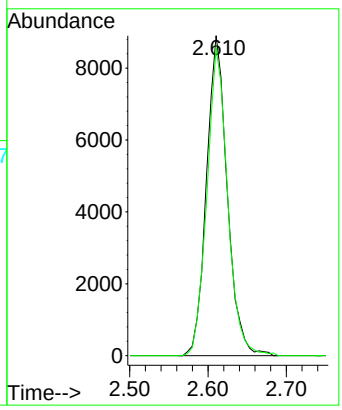


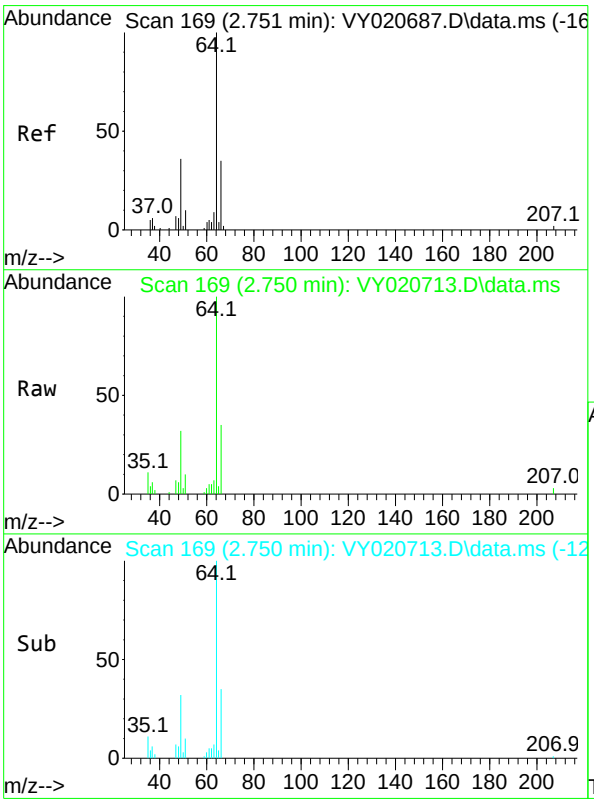
#5
Bromomethane
Concen: 51.036 ug/l
RT: 2.610 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 94 Resp: 16385

Ion	Ratio	Lower	Upper
94	100		
96	96.2	71.0	106.6

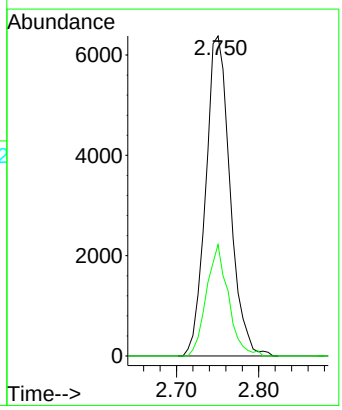


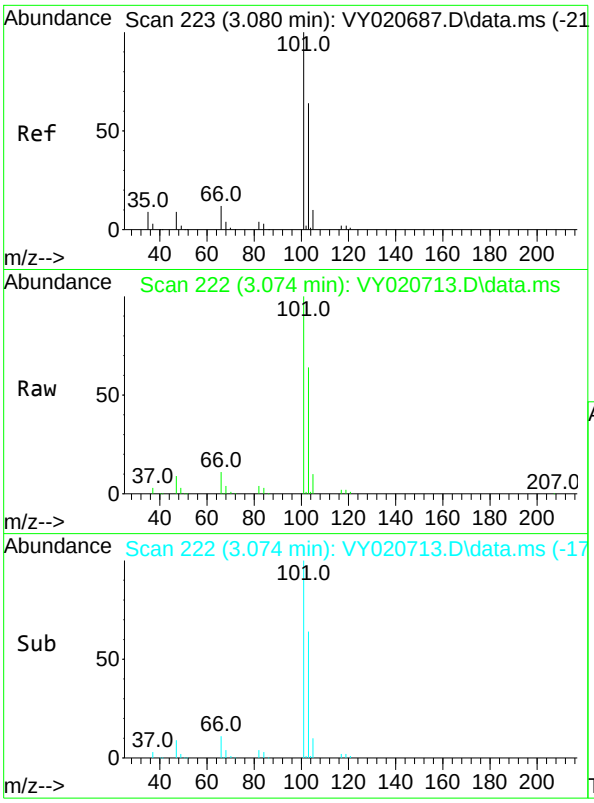


#6
Chloroethane
Concen: 51.394 ug/l
RT: 2.750 min Scan# 169
Delta R.T. -0.001 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 64 Resp: 13110

Ion	Ratio	Lower	Upper
64	100		
66	34.8	27.8	41.8



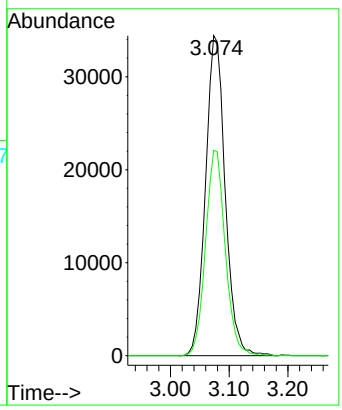


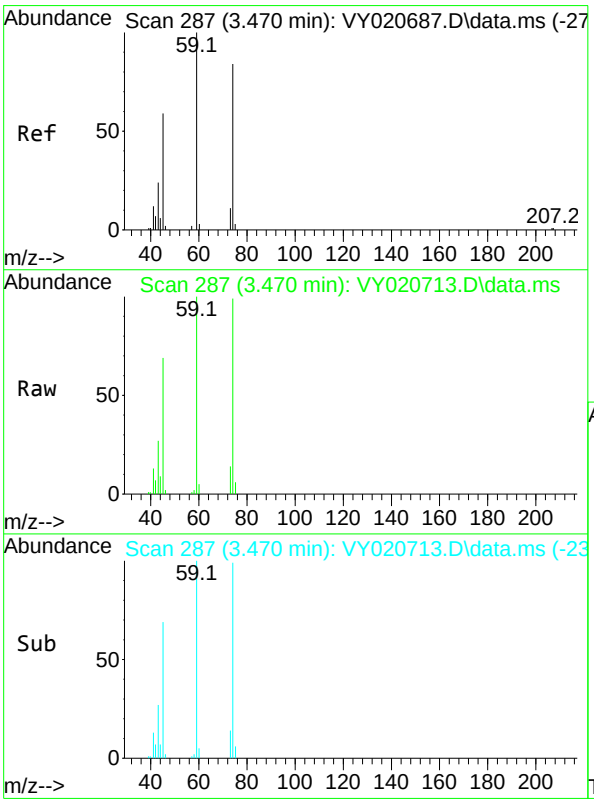
#7
Trichlorofluoromethane
Concen: 48.899 ug/l
RT: 3.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion:101 Resp: 79960

Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.4	77.0

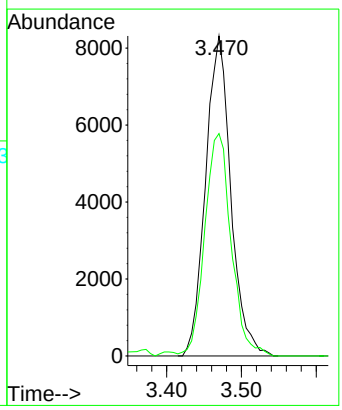


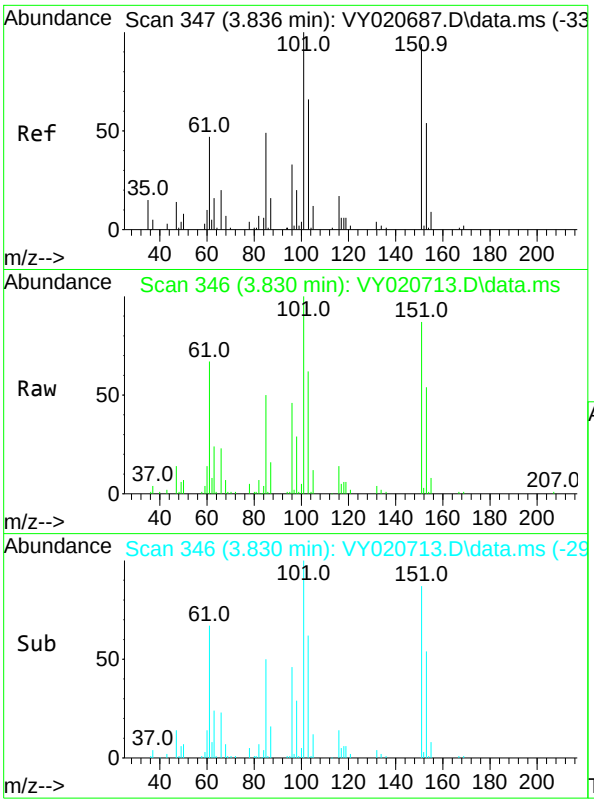


#8
Diethyl Ether
Concen: 50.215 ug/l
RT: 3.470 min Scan# 287
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 74 Resp: 19539

Ion	Ratio	Lower	Upper
74	100		
45	72.6	35.8	107.4



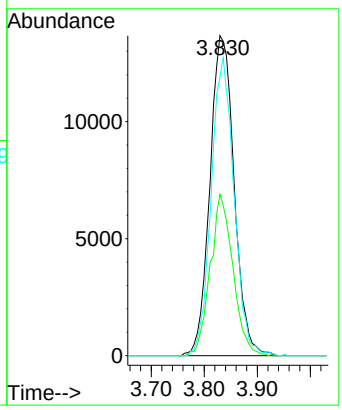


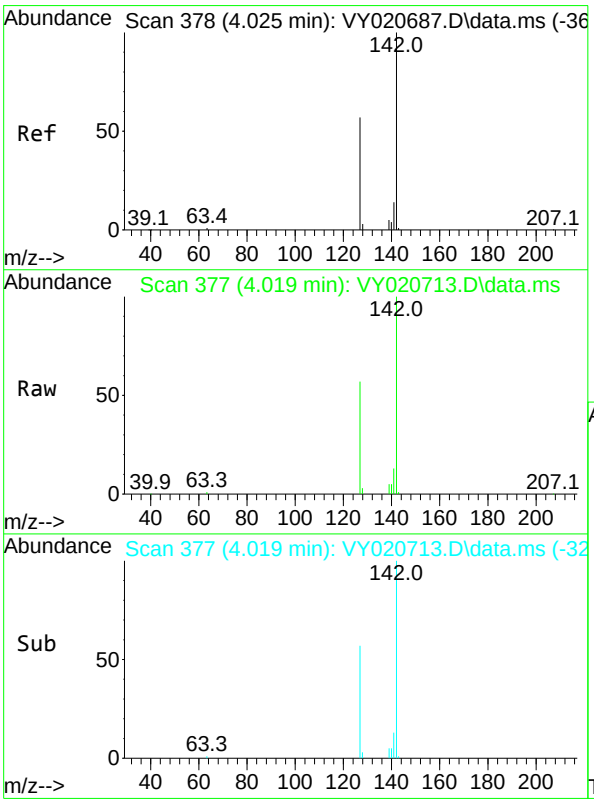
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.370 ug/l
RT: 3.830 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion:101 Resp: 43422

Ion	Ratio	Lower	Upper
101	100		
85	47.2	38.2	57.2
151	88.1	68.4	102.6

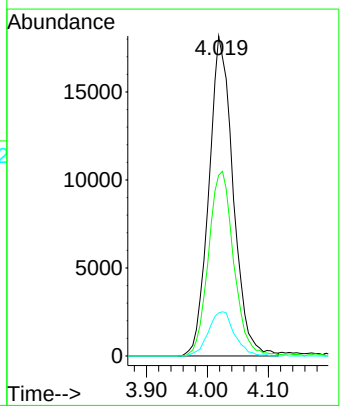


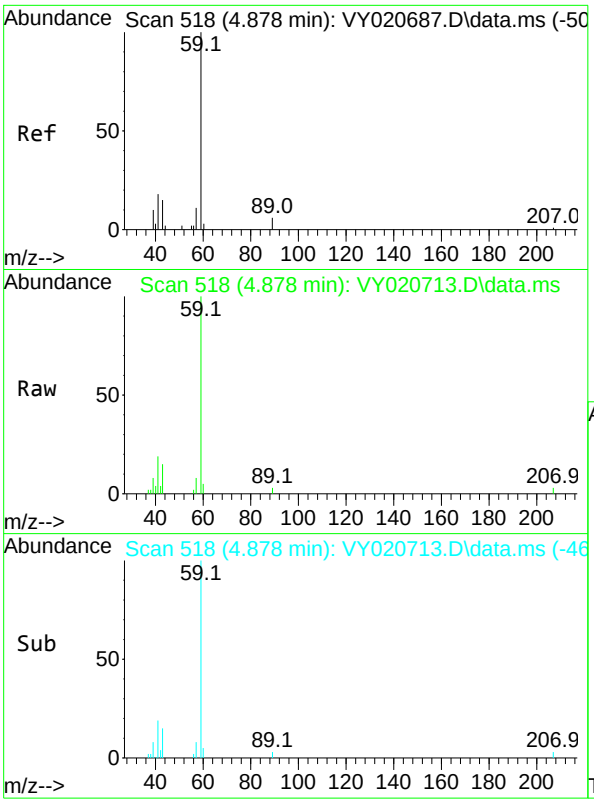


#10
Methyl Iodide
Concen: 51.123 ug/l
RT: 4.019 min Scan# 377
Delta R.T. -0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:142 Resp: 50185

Ion	Ratio	Lower	Upper
142	100		
127	59.9	48.8	73.2
141	14.9	11.9	17.9



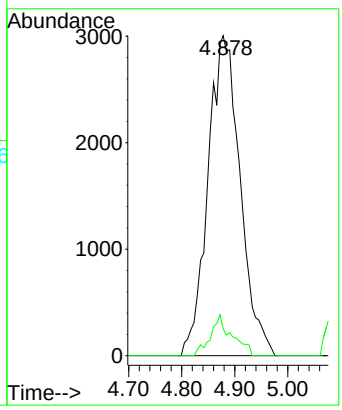


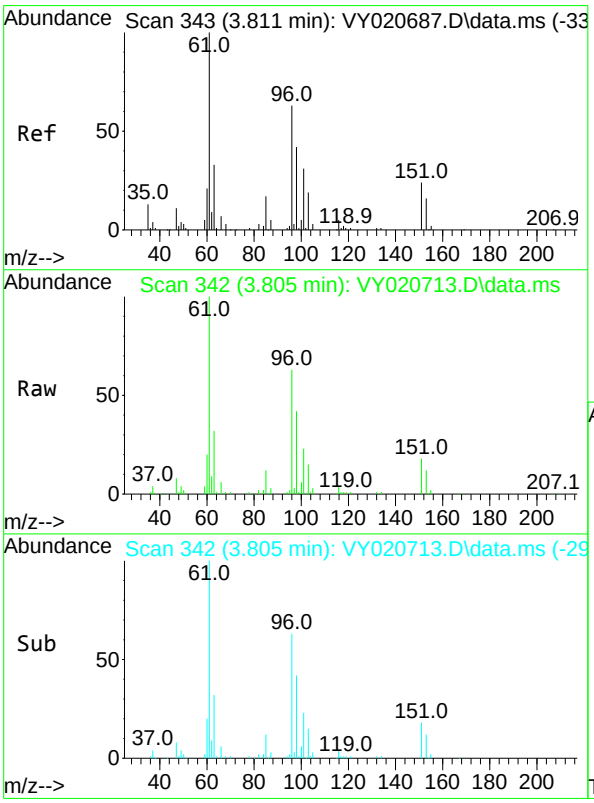
#11
Tert butyl alcohol
Concen: 208.224 ug/l
RT: 4.878 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 59 Resp: 12665

Ion	Ratio	Lower	Upper
59	100		
57	8.5	2.8	4.2#

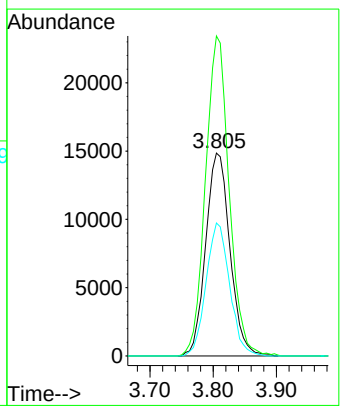


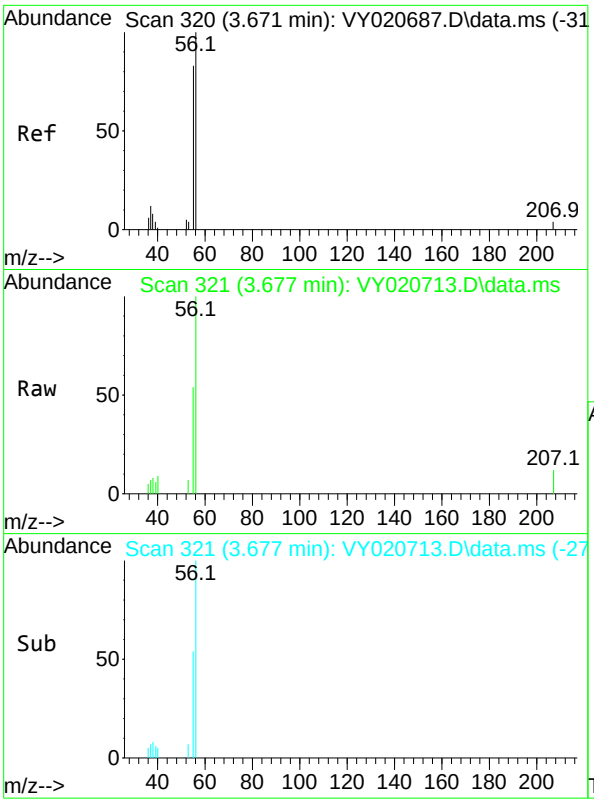


#12
1,1-Dichloroethene
Concen: 49.566 ug/l
RT: 3.805 min Scan# 342
Delta R.T. -0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 96 Resp: 39605

Ion	Ratio	Lower	Upper
96	100		
61	157.7	127.1	190.7
98	65.5	53.4	80.0



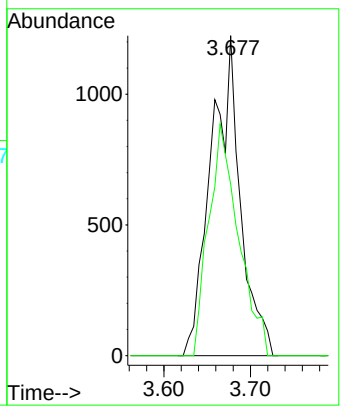


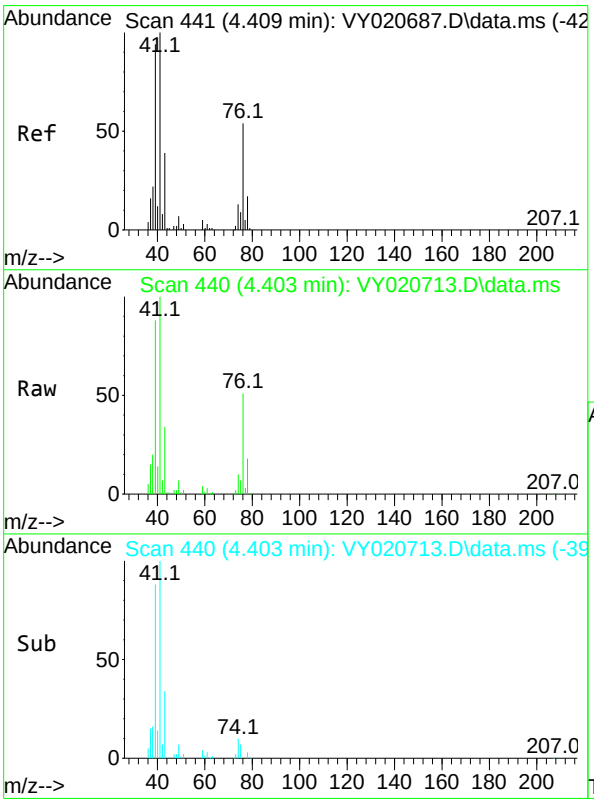
#13
Acrolein
Concen: 143.918 ug/l
RT: 3.677 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 56 Resp: 2881

Ion	Ratio	Lower	Upper
56	100		
55	73.5	57.0	85.4

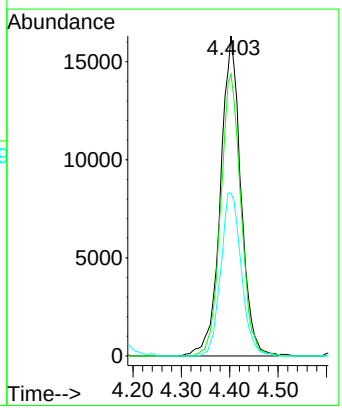


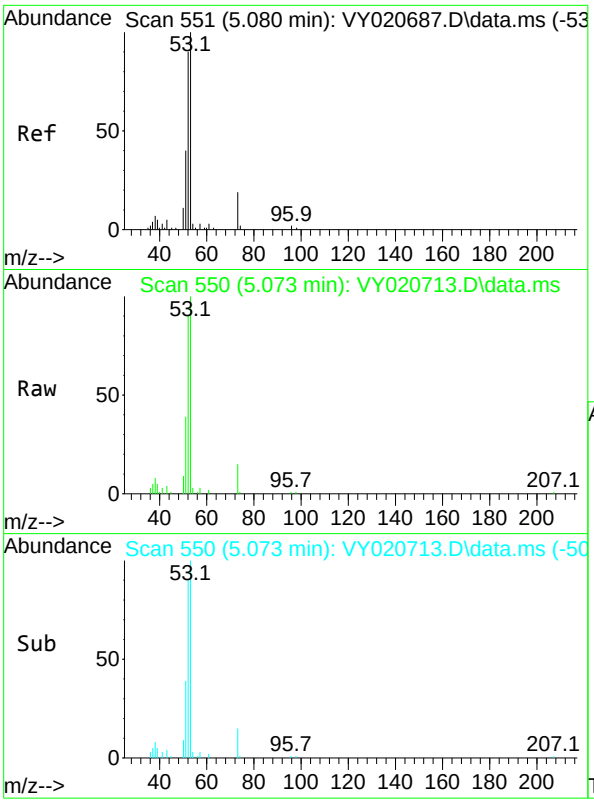


#14
Allyl chloride
Concen: 51.064 ug/l
RT: 4.403 min Scan# 440
Delta R.T. -0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 41 Resp: 47747

Ion	Ratio	Lower	Upper
41	100		
39	87.2	73.5	110.3
76	51.3	41.8	62.8



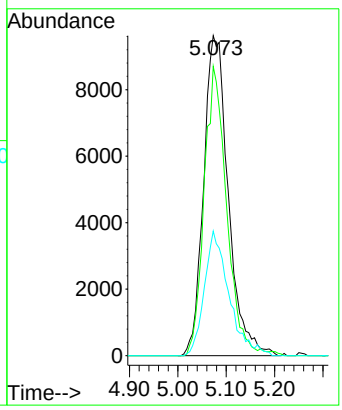


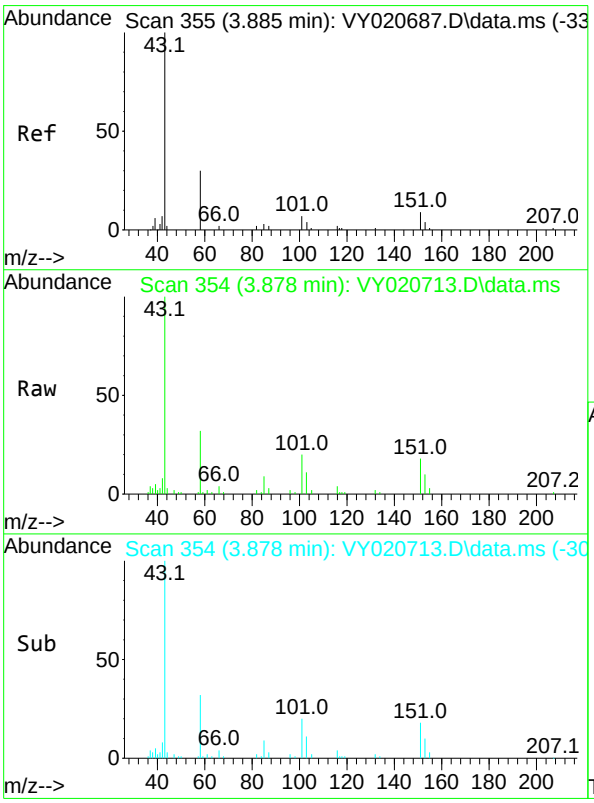
#15
Acrylonitrile
Concen: 226.940 ug/l
RT: 5.073 min Scan# 5
Delta R.T. -0.007 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 53 Resp: 34113

Ion	Ratio	Lower	Upper
53	100		
52	82.9	67.1	100.7
51	38.9	31.4	47.0

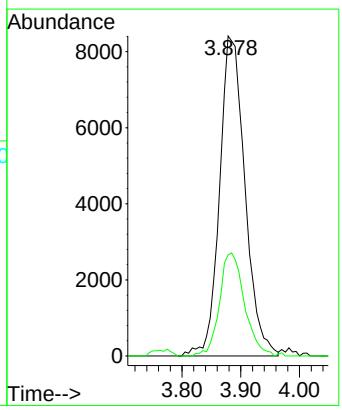


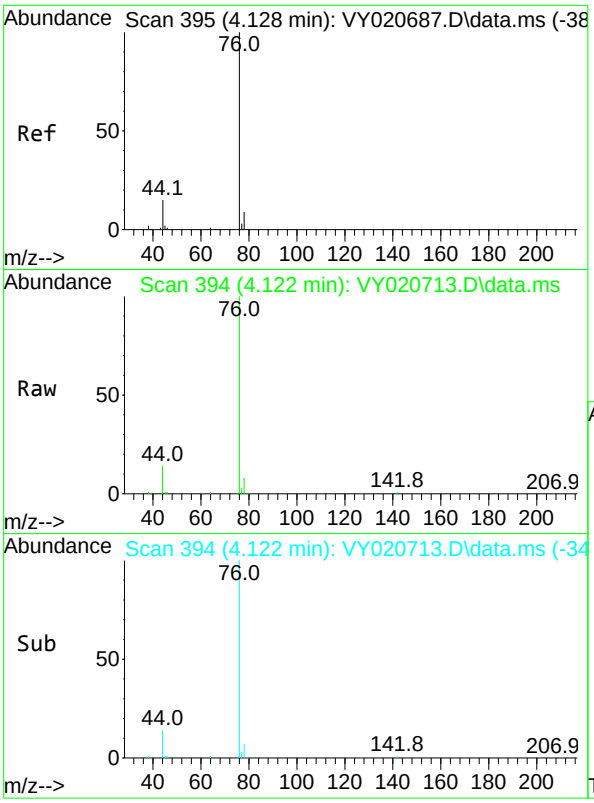


#16
Acetone
Concen: 207.840 ug/l
RT: 3.878 min Scan# 354
Delta R.T. -0.007 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 43 Resp: 25249

Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.0	37.6



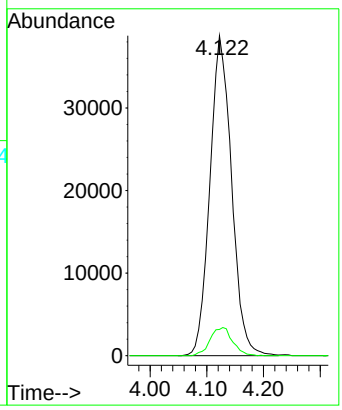


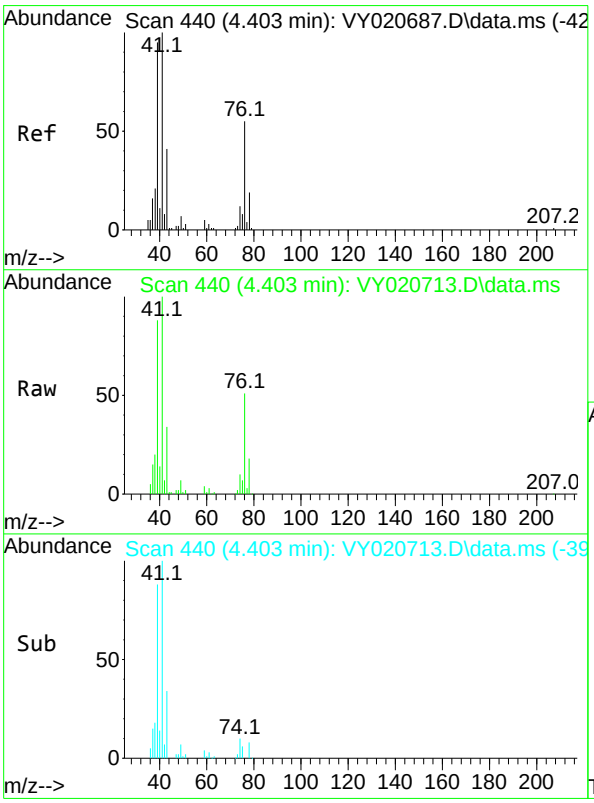
#17
Carbon Disulfide
Concen: 52.554 ug/l
RT: 4.122 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 76 Resp: 103010

Ion	Ratio	Lower	Upper
76	100		
78	8.2	6.9	10.3

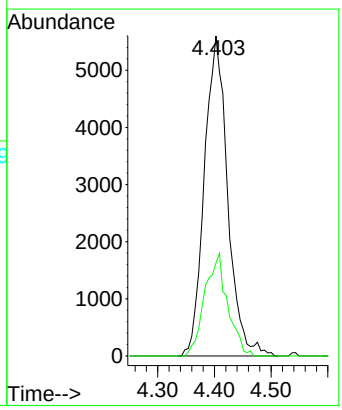


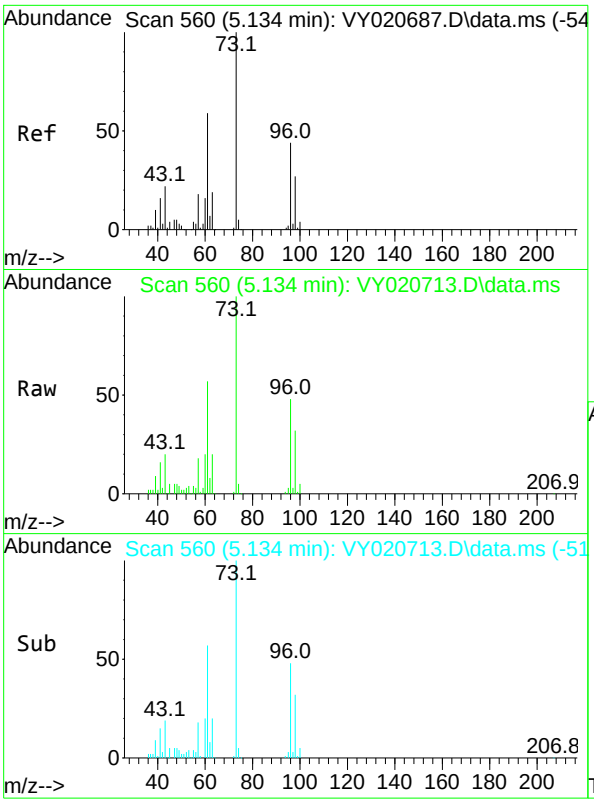


#18
Methyl Acetate
Concen: 48.572 ug/l
RT: 4.403 min Scan# 440
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 43 Resp: 15970

Ion	Ratio	Lower	Upper
43	100		
74	31.5	25.3	37.9



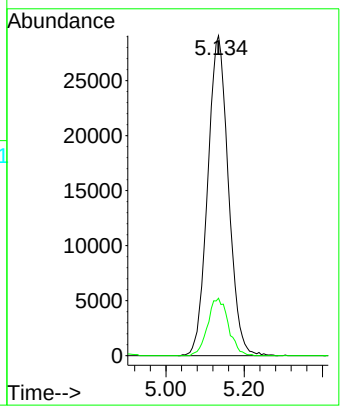


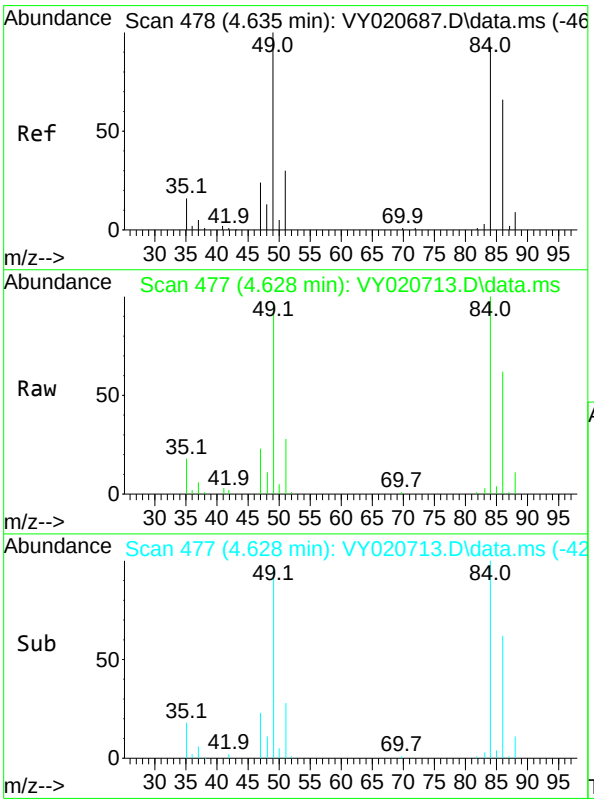
#19
Methyl tert-butyl Ether
Concen: 47.911 ug/l
RT: 5.134 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 73 Resp: 106703

Ion	Ratio	Lower	Upper
73	100		
57	18.0	14.4	21.6

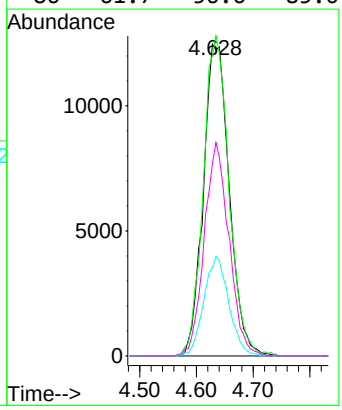


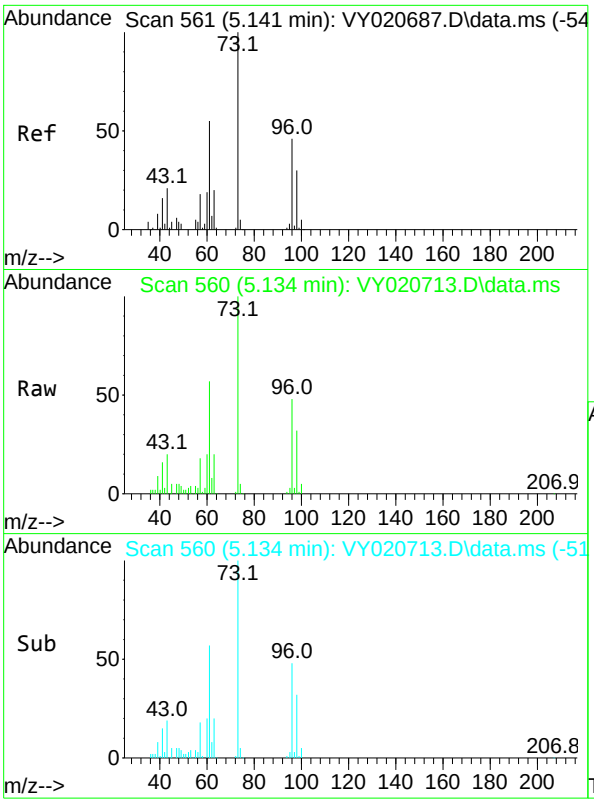


#20
Methylene Chloride
Concen: 50.306 ug/l
RT: 4.628 min Scan# 477
Delta R.T. -0.007 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 84 Resp: 39747

Ion	Ratio	Lower	Upper
84	100		
49	96.3	86.4	129.6
51	28.3	25.5	38.3
86	61.7	56.6	85.0



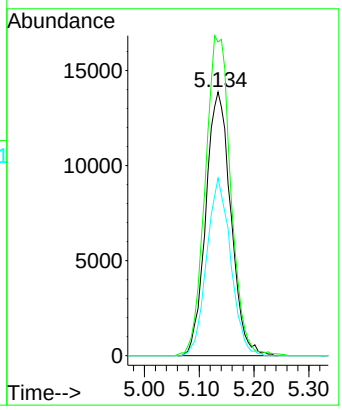


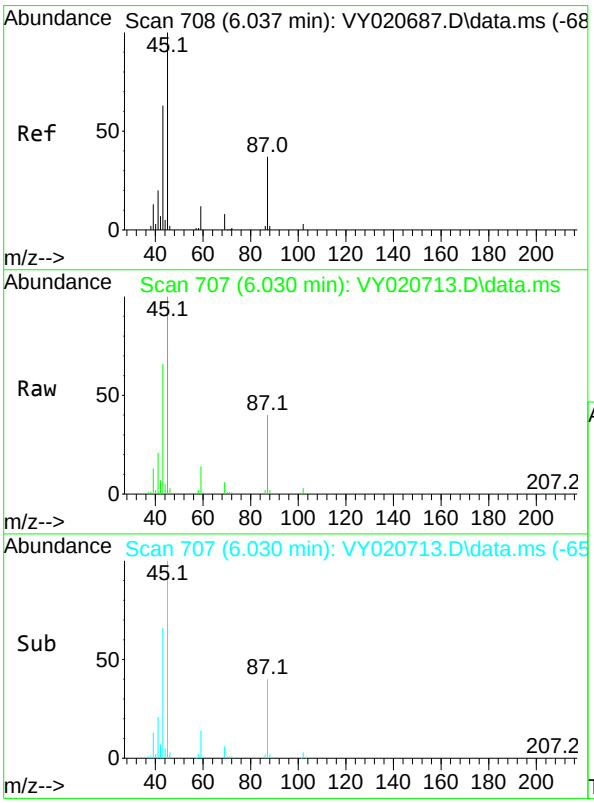
#21
trans-1,2-Dichloroethene
Concen: 50.999 ug/l
RT: 5.134 min Scan# 5
Delta R.T. -0.007 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 96 Resp: 43912

Ion	Ratio	Lower	Upper
96	100		
61	118.5	96.1	144.1
98	67.4	52.7	79.1

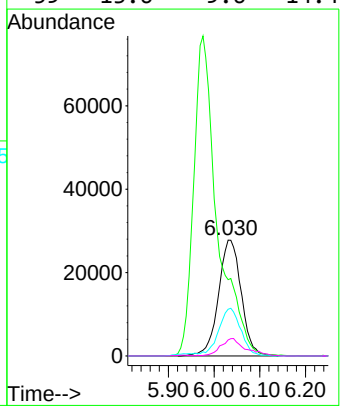


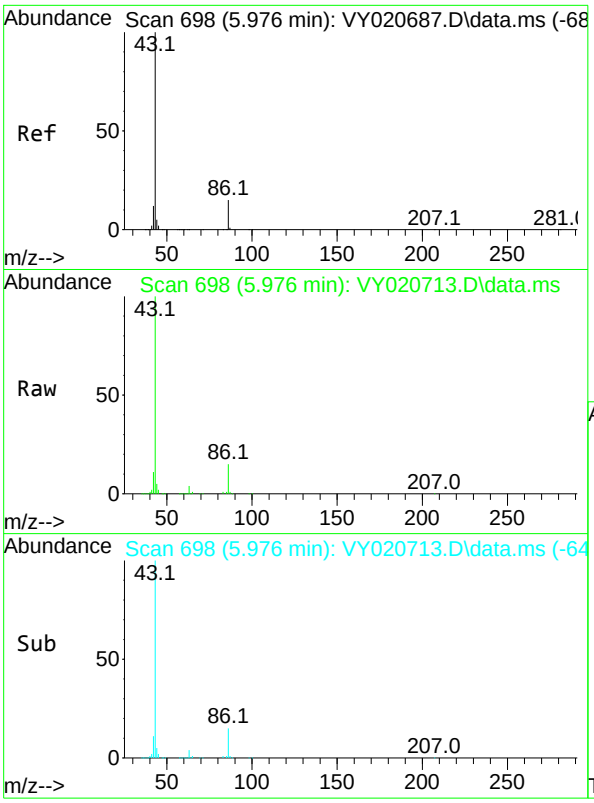


#22
Diisopropyl ether
Concen: 50.460 ug/l
RT: 6.030 min Scan# 707
Delta R.T. -0.007 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 45 Resp: 95914

Ion	Ratio	Lower	Upper
45	100		
43	65.3	51.3	76.9
87	40.3	30.6	46.0
59	13.6	9.6	14.4



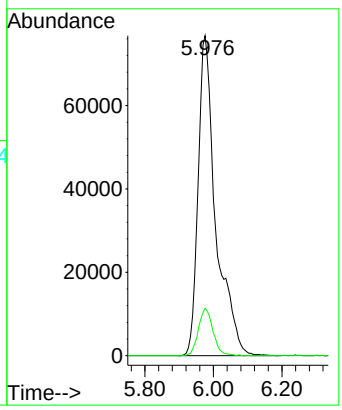


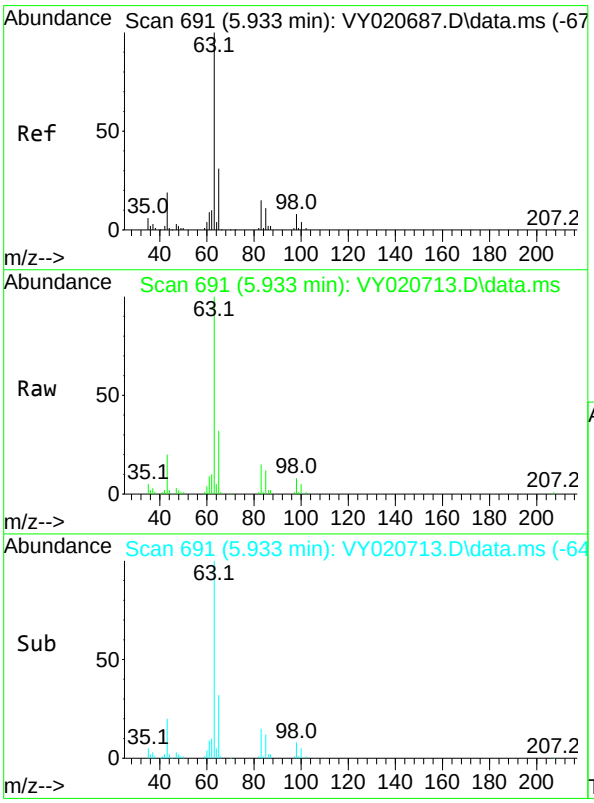
#23
Vinyl Acetate
Concen: 242.987 ug/l
RT: 5.976 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 43 Resp: 275873

Ion	Ratio	Lower	Upper
43	100		
86	14.8	12.0	18.0

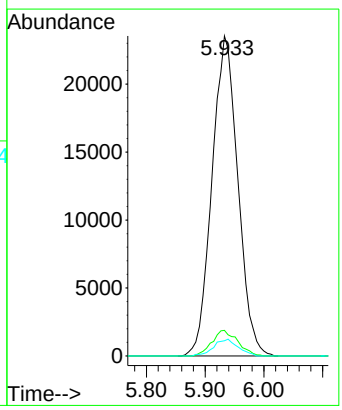


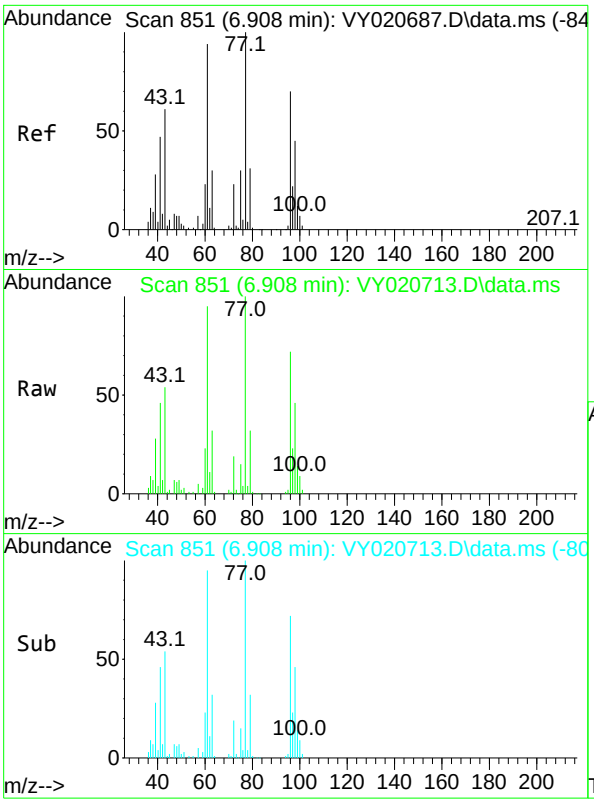


#24
1,1-Dichloroethane
Concen: 50.544 ug/l
RT: 5.933 min Scan# 691
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 63 Resp: 72030

Ion	Ratio	Lower	Upper
63	100		
98	8.0	4.0	12.0
100	4.7	2.1	6.2



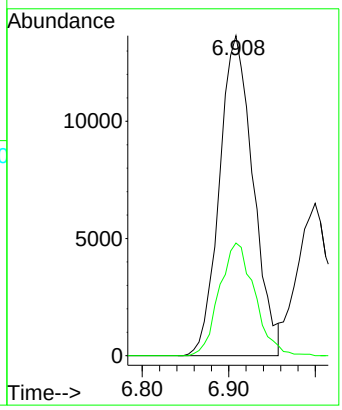


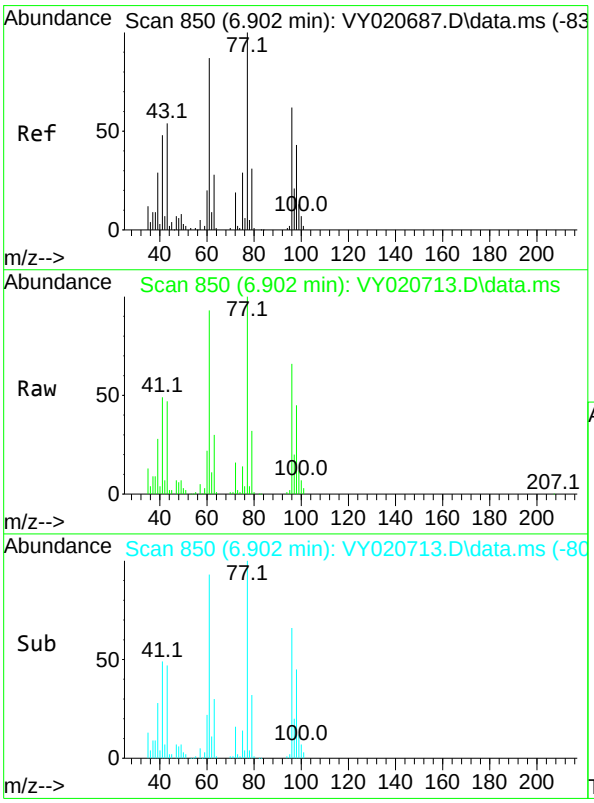
#25
2-Butanone
Concen: 225.260 ug/l
RT: 6.908 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 43 Resp: 36966

Ion	Ratio	Lower	Upper
43	100		
72	35.2	29.5	44.3

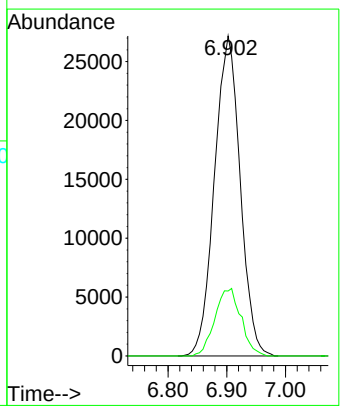


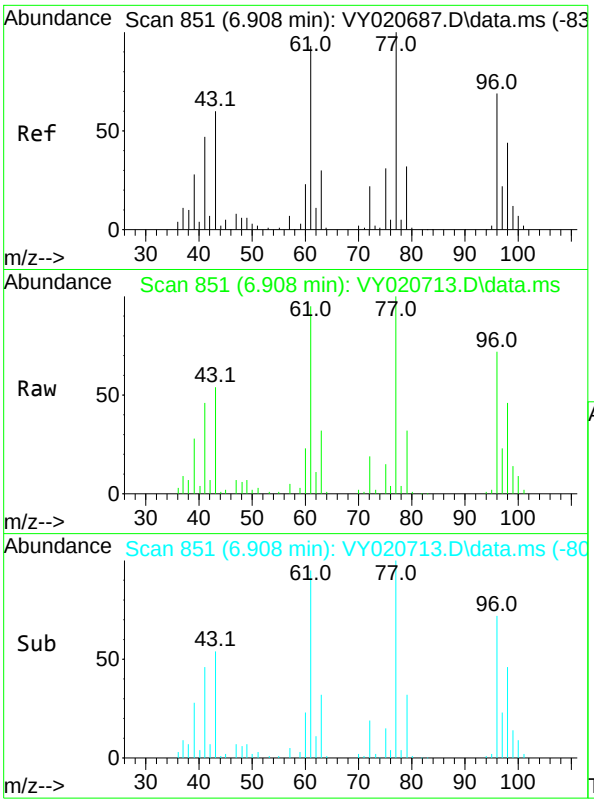


#26
2,2-Dichloropropane
Concen: 47.328 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 77 Resp: 82553

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.8	32.4



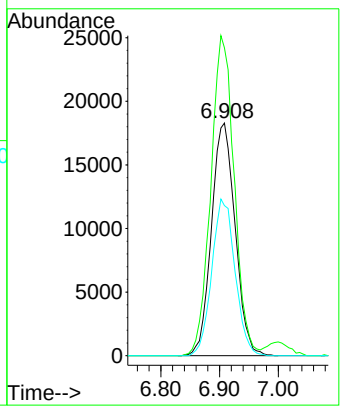


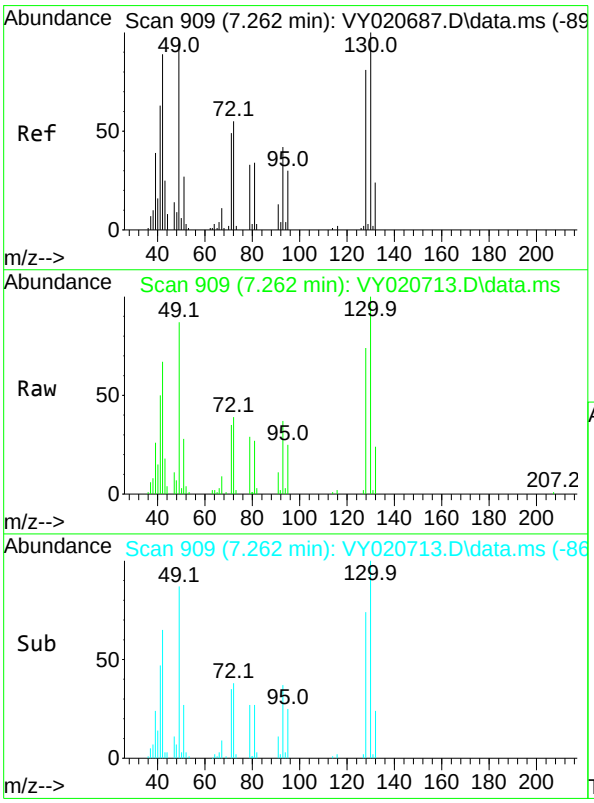
#27
cis-1,2-Dichloroethene
Concen: 49.666 ug/l
RT: 6.908 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 96 Resp: 51212

Ion	Ratio	Lower	Upper
96	100		
61	135.9	0.0	277.2
98	66.0	0.0	131.0

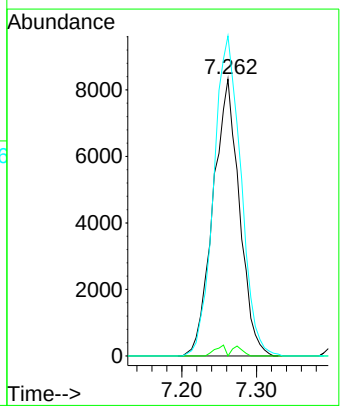


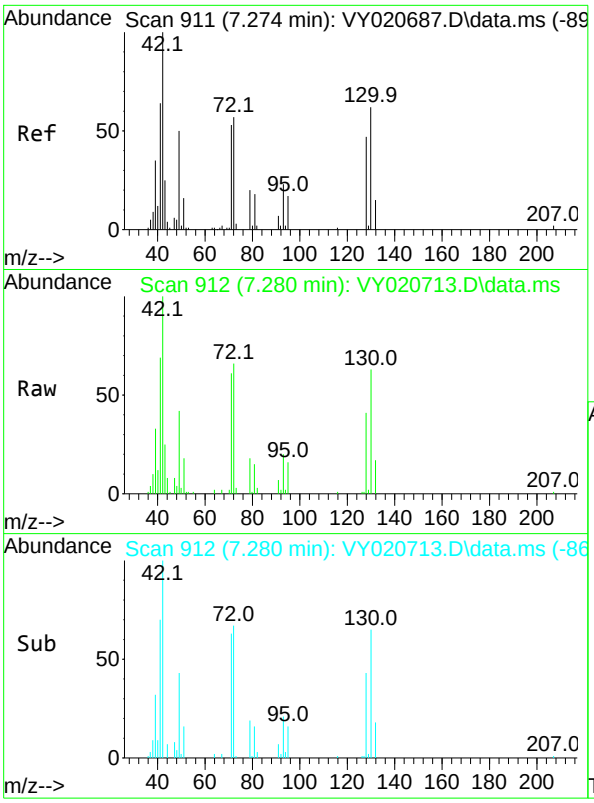


#28
Bromochloromethane
Concen: 54.165 ug/l
RT: 7.262 min Scan# 909
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 49 Resp: 20413

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	5.4
130	119.2	87.2	130.8



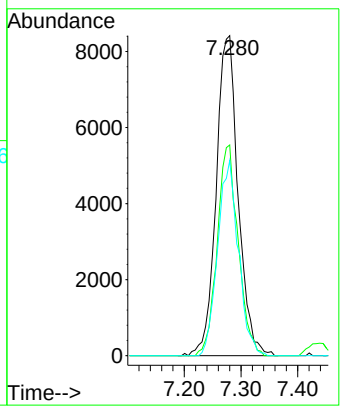


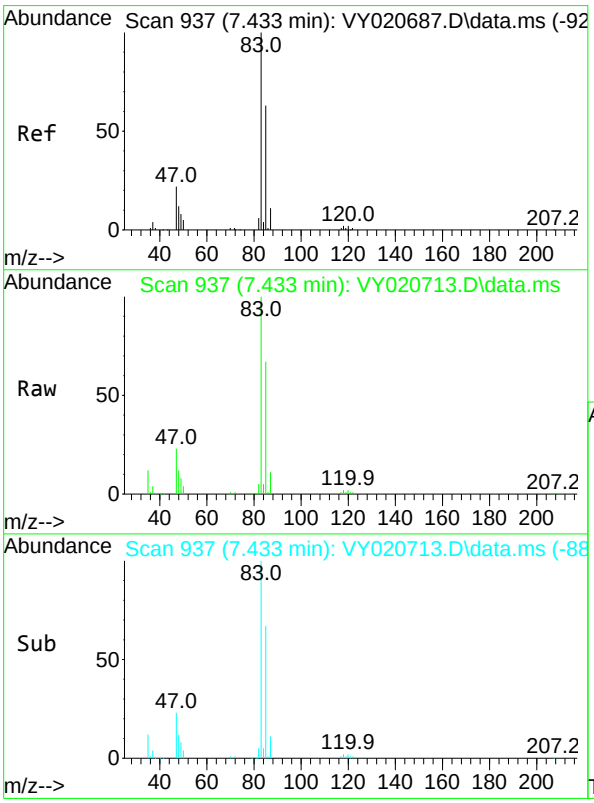
#29
Tetrahydrofuran
Concen: 224.521 ug/l
RT: 7.280 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 42 Resp: 22616

Ion	Ratio	Lower	Upper
42	100		
72	63.0	47.4	71.0
71	57.5	42.8	64.2

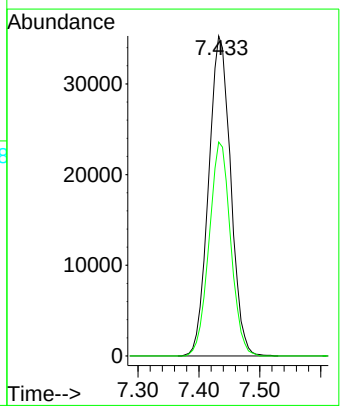


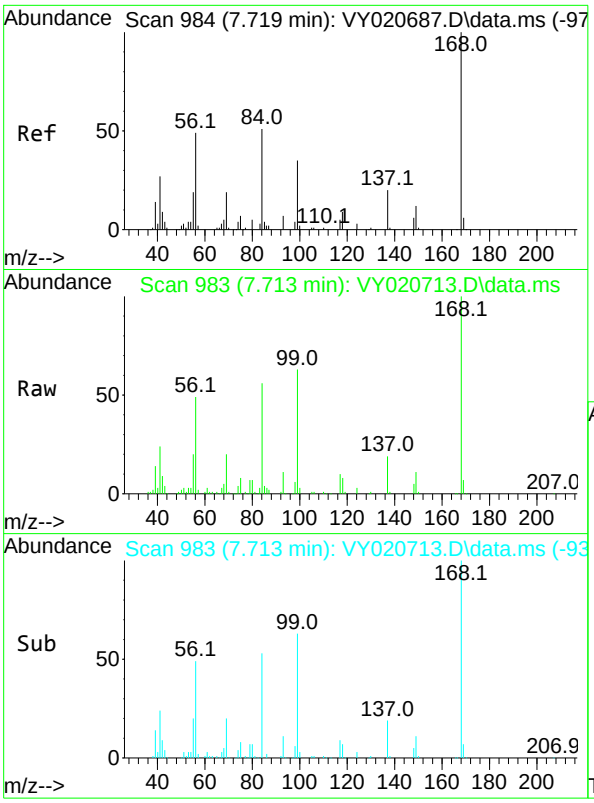


#30
Chloroform
Concen: 48.353 ug/l
RT: 7.433 min Scan# 937
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 83 Resp: 88644

Ion	Ratio	Lower	Upper
83	100		
85	66.9	50.2	75.2



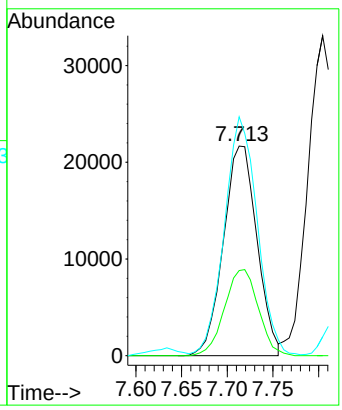


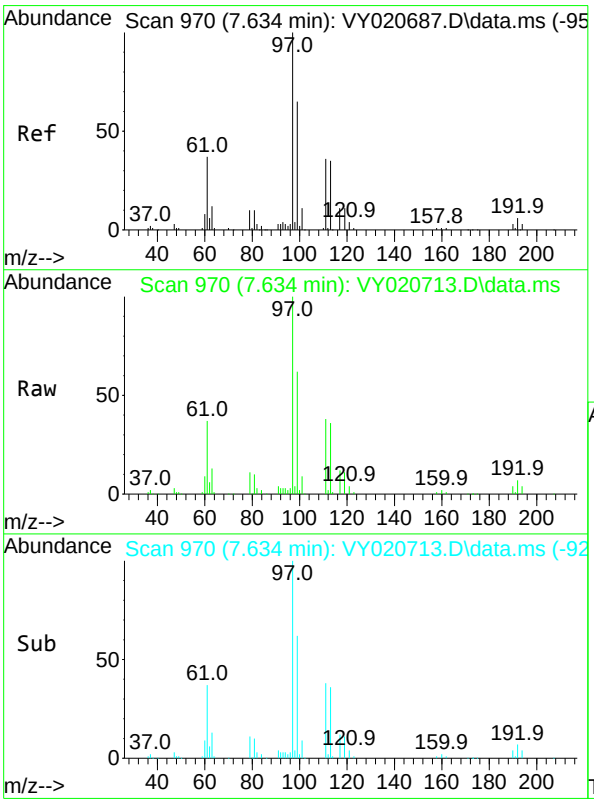
#31
Cyclohexane
Concen: 44.979 ug/l
RT: 7.713 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 56 Resp: 55329

Ion	Ratio	Lower	Upper
56	100		
69	40.6	31.3	46.9
84	111.9	83.9	125.9

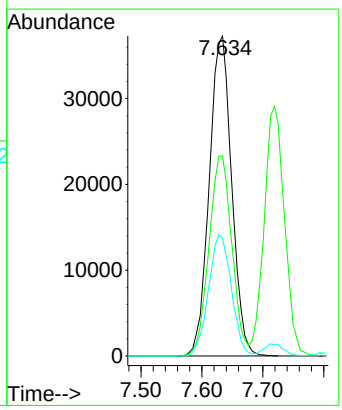


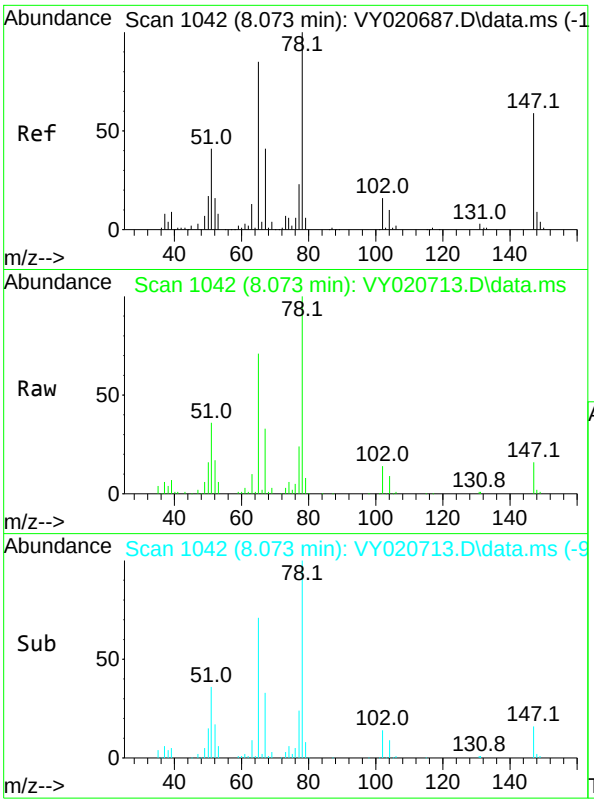


#32
1,1,1-Trichloroethane
Concen: 48.484 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 97 Resp: 95277

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	38.6	30.0	45.0



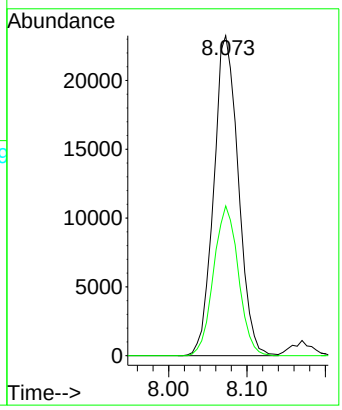


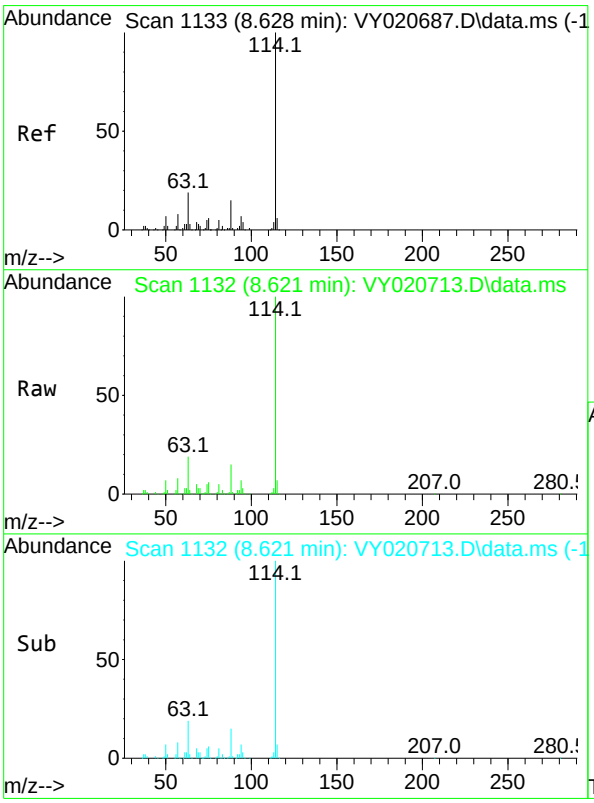
#33
1,2-Dichloroethane-d4
Concen: 52.910 ug/l
RT: 8.073 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 65 Resp: 50667

Ion	Ratio	Lower	Upper
65	100		
67	47.3	0.0	98.0

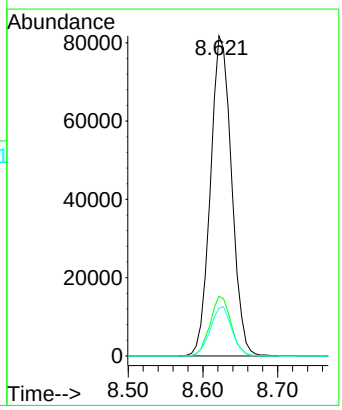


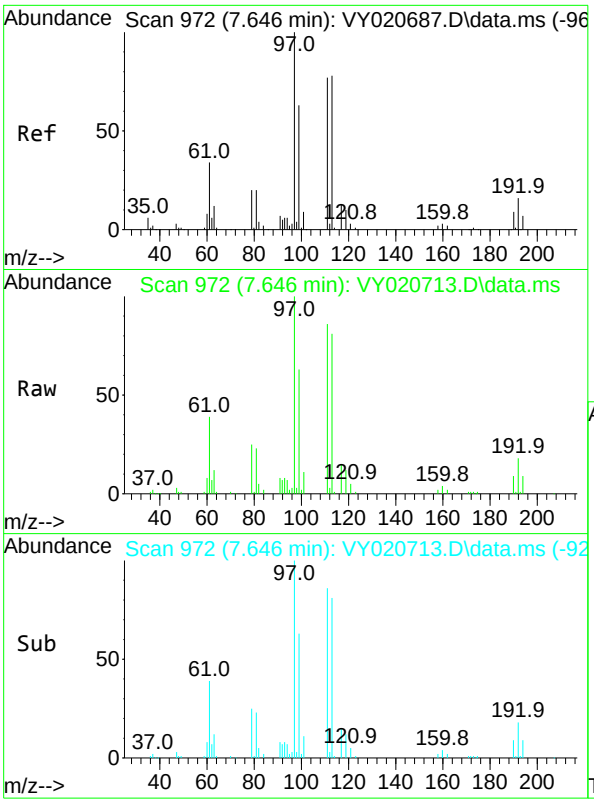


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 1132
Delta R.T. -0.007 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:114 Resp: 160856

Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	38.4
88	15.0	0.0	30.4



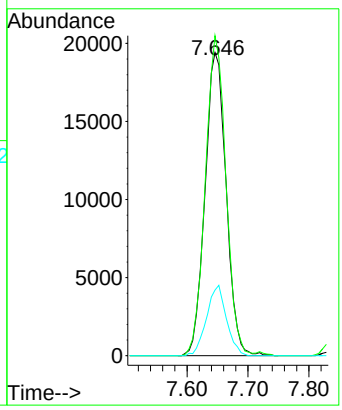


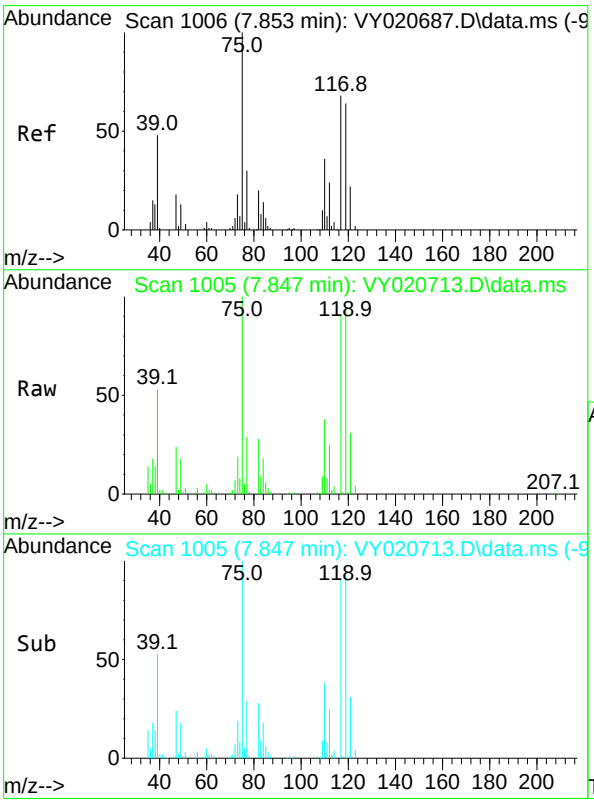
#35
Dibromofluoromethane
Concen: 52.779 ug/l
RT: 7.646 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion:113 Resp: 46763

Ion	Ratio	Lower	Upper
113	100		
111	102.9	79.8	119.8
192	21.9	17.0	25.6

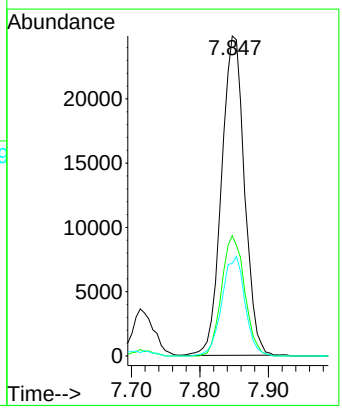


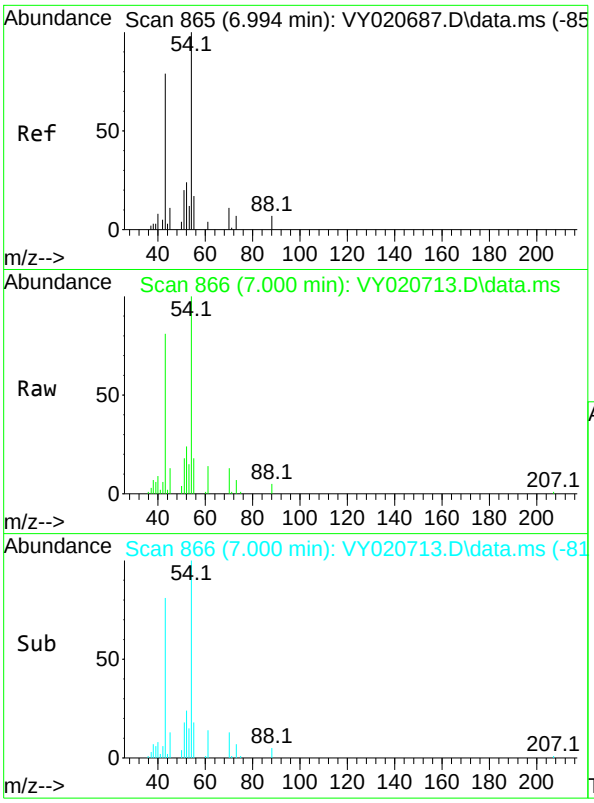


#36
1,1-Dichloropropene
Concen: 49.340 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. -0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 75 Resp: 57746

Ion	Ratio	Lower	Upper
75	100		
110	37.7	19.6	58.7
77	31.4	25.1	37.7



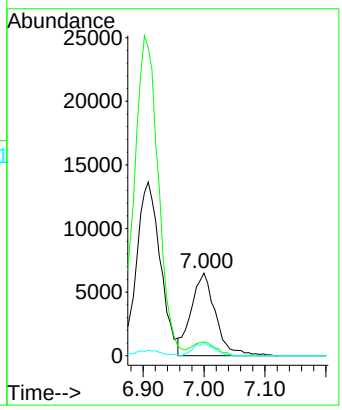


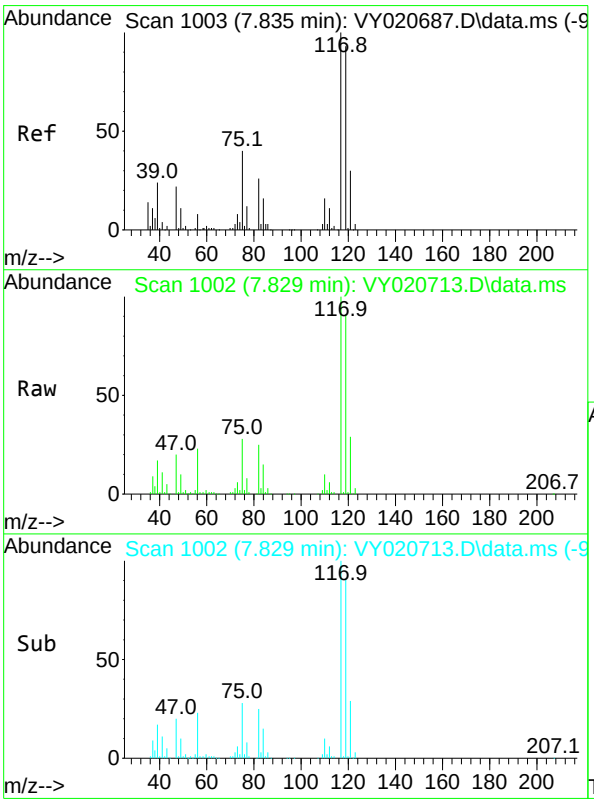
#37
Ethyl Acetate
Concen: 46.791 ug/l
RT: 7.000 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 43 Resp: 18046

Ion	Ratio	Lower	Upper
43	100		
61	16.1	11.7	17.5
70	13.0	11.0	16.4

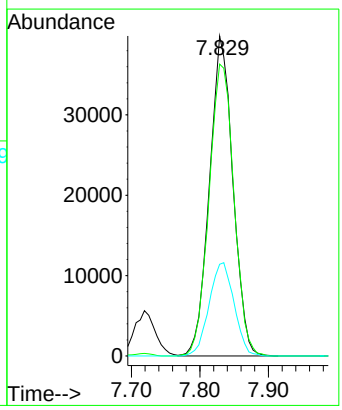


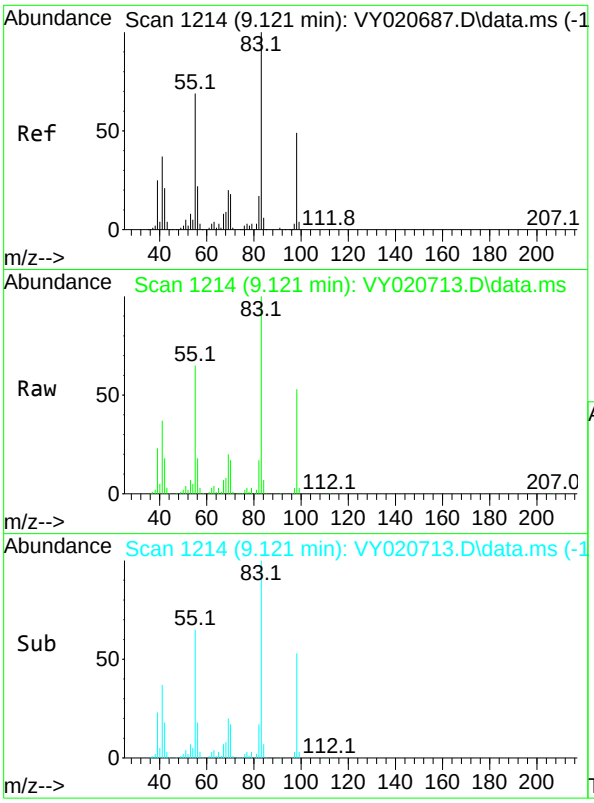


#38
Carbon Tetrachloride
Concen: 49.087 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:117 Resp: 94603

Ion	Ratio	Lower	Upper
117	100		
119	91.2	74.4	111.6
121	28.6	24.2	36.2



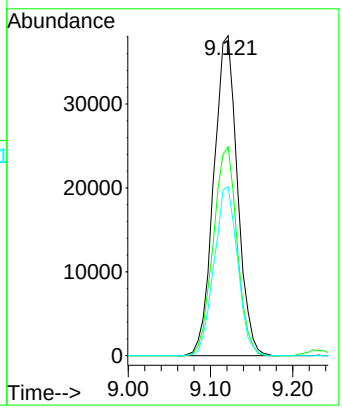


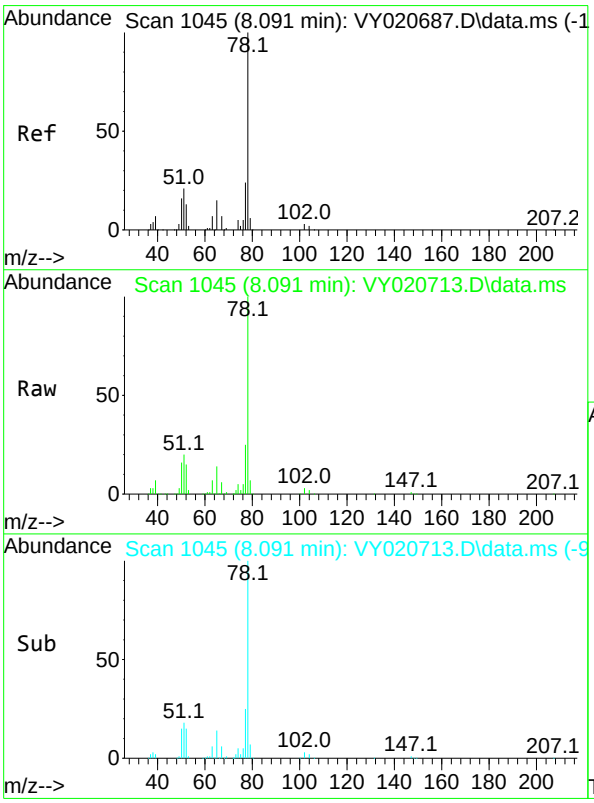
#39
Methylcyclohexane
Concen: 50.860 ug/l
RT: 9.121 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 83 Resp: 76295

Ion	Ratio	Lower	Upper
83	100		
55	65.3	55.0	82.4
98	52.8	39.0	58.6

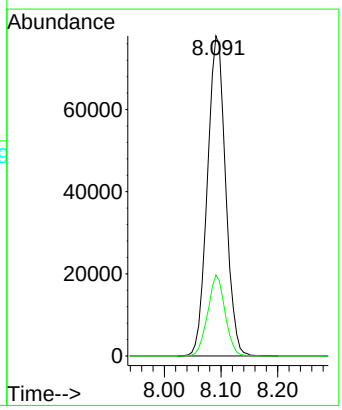


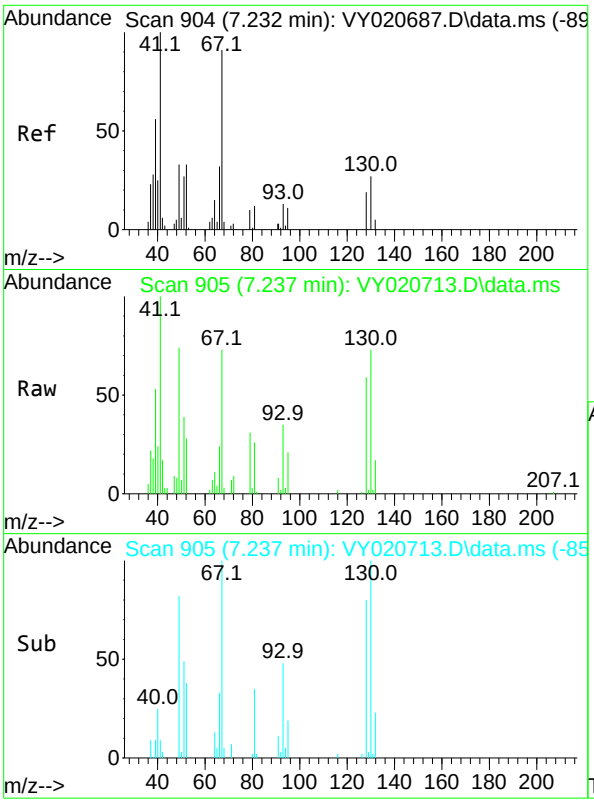


#40
Benzene
Concen: 51.214 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 78 Resp: 173716

Ion	Ratio	Lower	Upper
78	100		
77	25.3	19.2	28.8



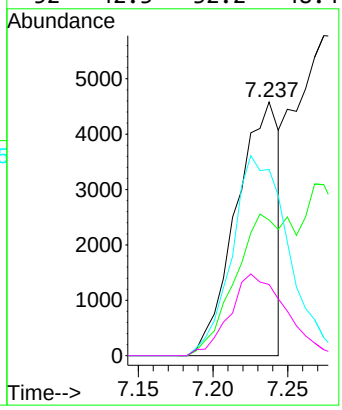


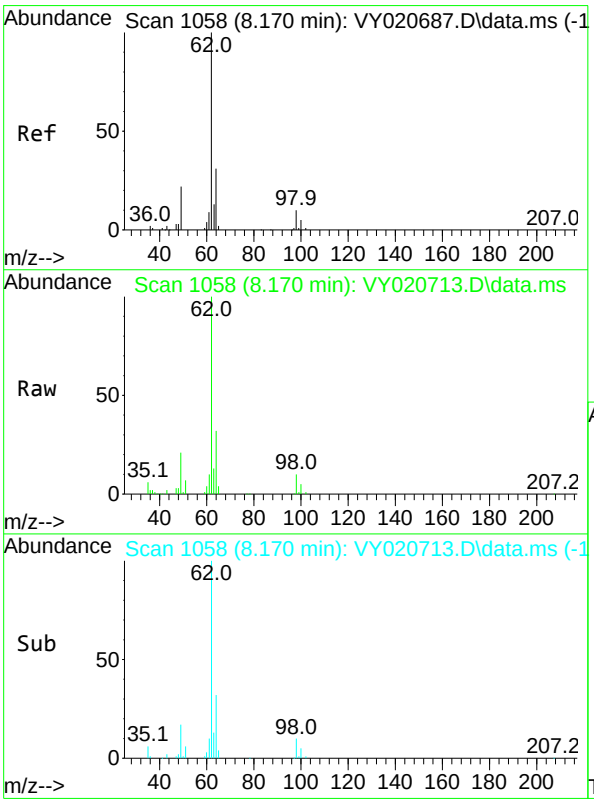
#41
Methacrylonitrile
Concen: 46.896 ug/l
RT: 7.237 min Scan# 9
Delta R.T. 0.005 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 41 Resp: 9136

Ion	Ratio	Lower	Upper
41	100		
39	57.0	46.6	70.0
67	103.5	74.7	112.1
52	42.3	32.2	48.4

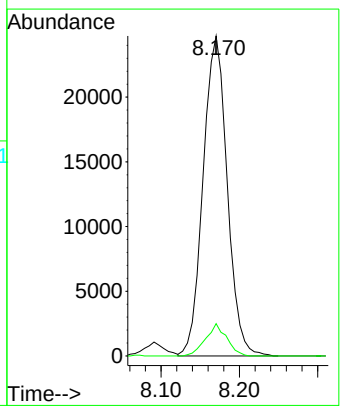


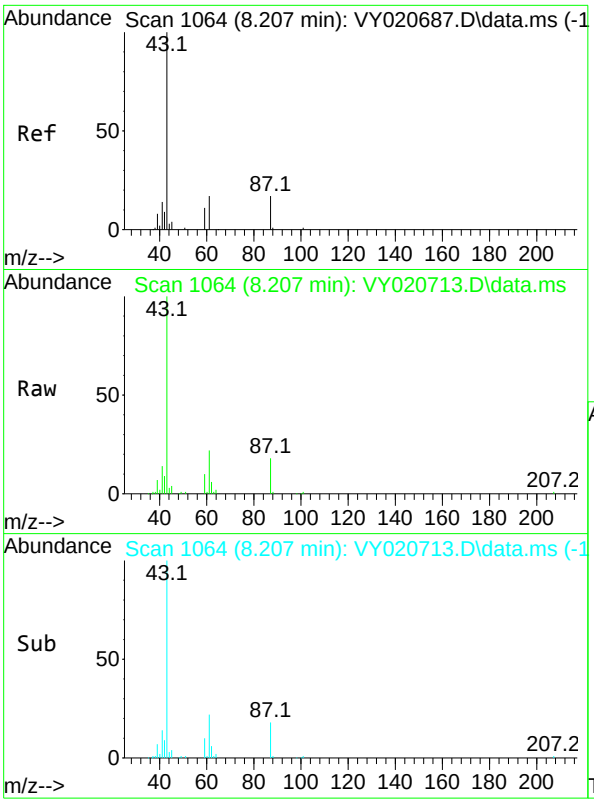


#42
1,2-Dichloroethane
Concen: 48.661 ug/l
RT: 8.170 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 62 Resp: 52925

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.6



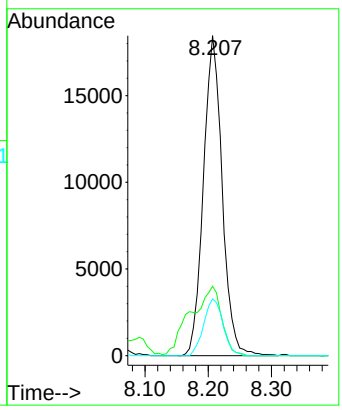


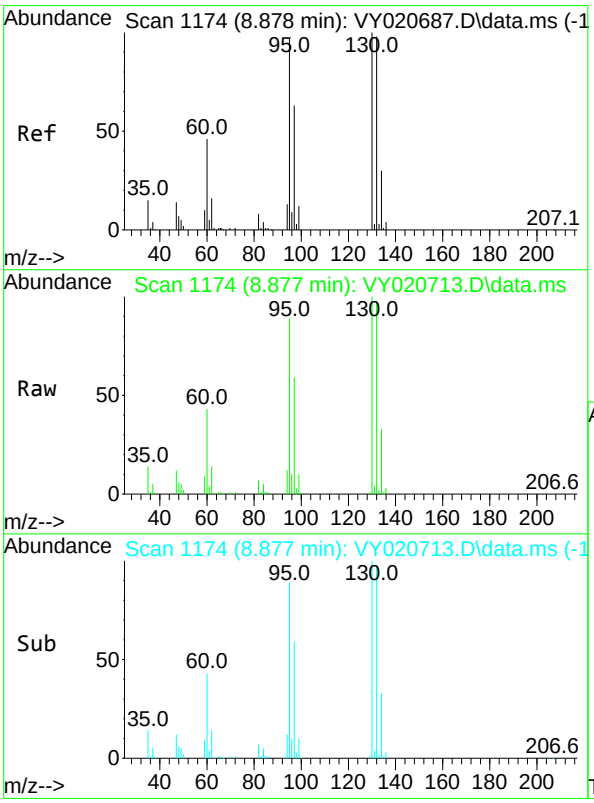
#43
Isopropyl Acetate
Concen: 46.479 ug/l
RT: 8.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 43 Resp: 38101

Ion	Ratio	Lower	Upper
43	100		
61	35.8	27.0	40.4
87	18.3	14.2	21.4

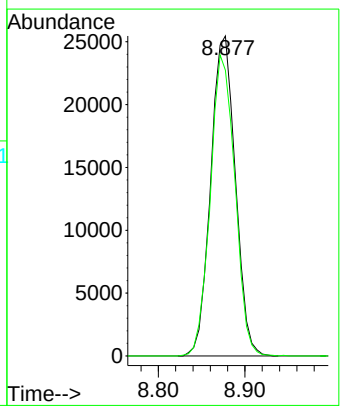


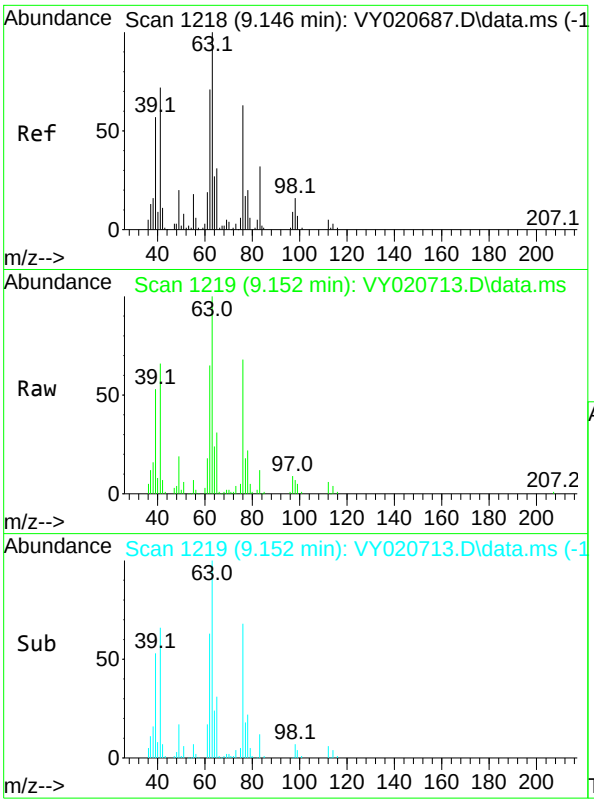


#44
Trichloroethene
Concen: 49.703 ug/l
RT: 8.877 min Scan# 1174
Delta R.T. -0.001 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:130 Resp: 50355

Ion	Ratio	Lower	Upper
130	100		
95	89.3	0.0	194.8



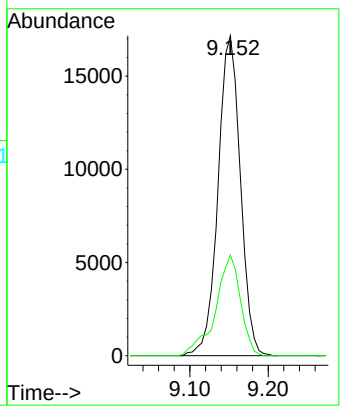


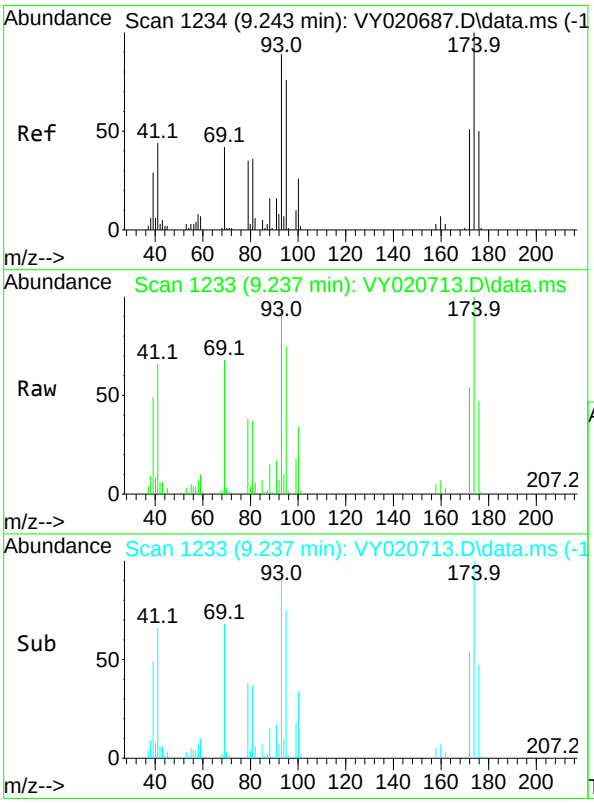
#45
1,2-Dichloropropane
Concen: 49.593 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 63 Resp: 34051

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.6	36.8

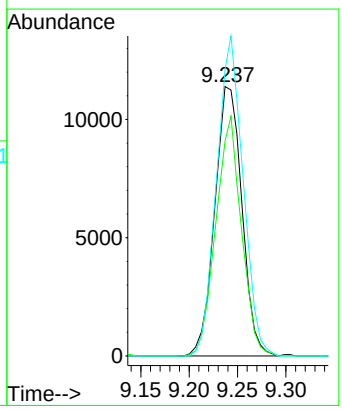


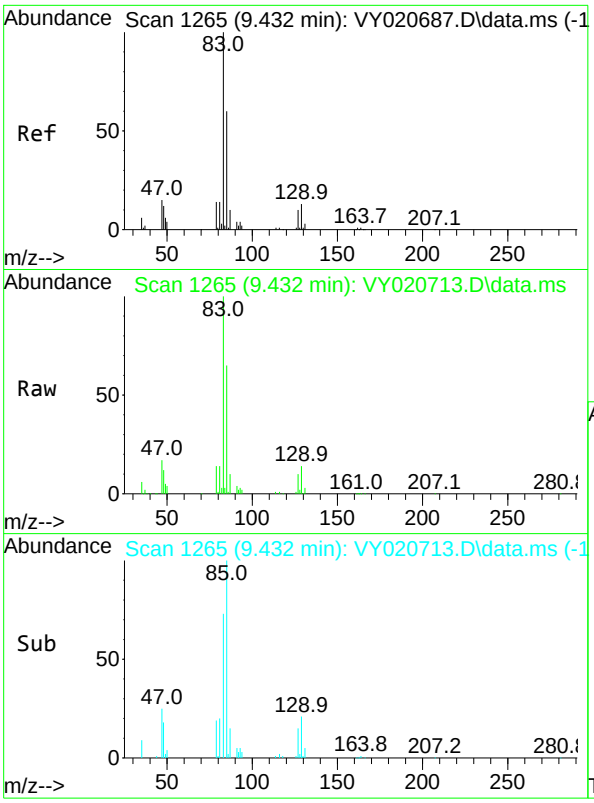


#46
Dibromomethane
Concen: 46.666 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 93 Resp: 22170

Ion	Ratio	Lower	Upper
93	100		
95	83.8	67.8	101.8
174	115.7	89.4	134.0



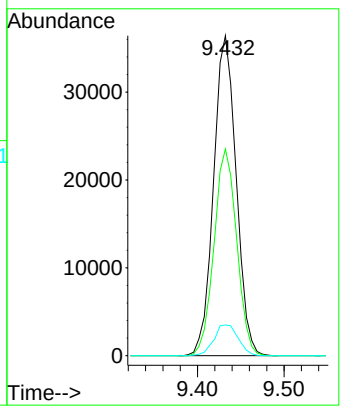


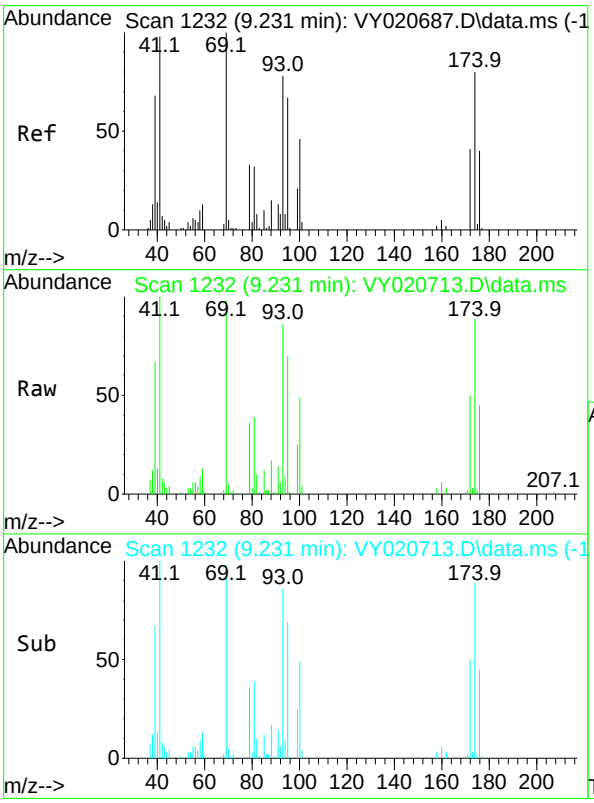
#47
Bromodichloromethane
Concen: 48.995 ug/l
RT: 9.432 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 83 Resp: 65991

Ion	Ratio	Lower	Upper
83	100		
85	64.6	47.6	71.4
127	9.6	7.9	11.9

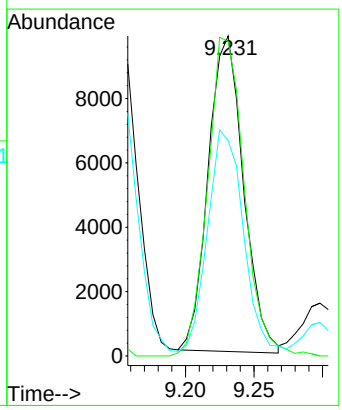


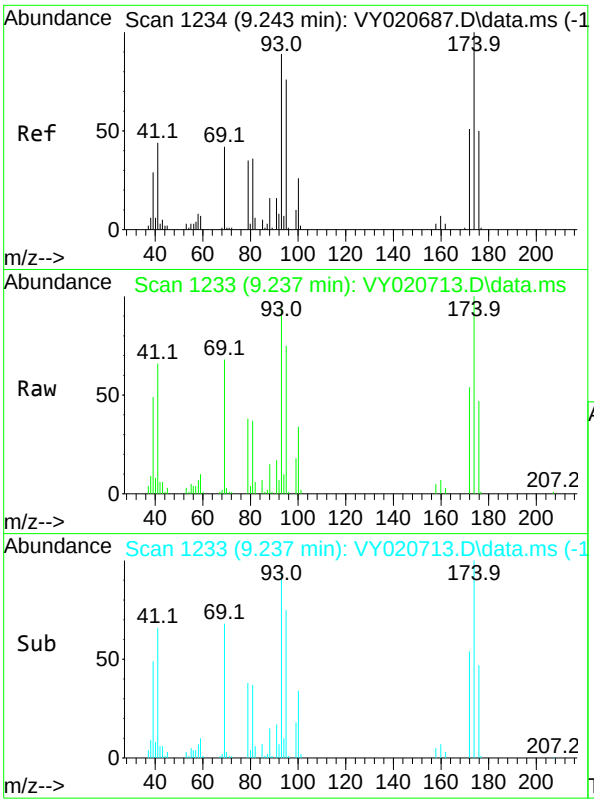


#48
Methyl methacrylate
Concen: 45.829 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 41 Resp: 17544

Ion	Ratio	Lower	Upper
41	100		
69	105.1	83.1	124.7
39	71.1	57.3	85.9



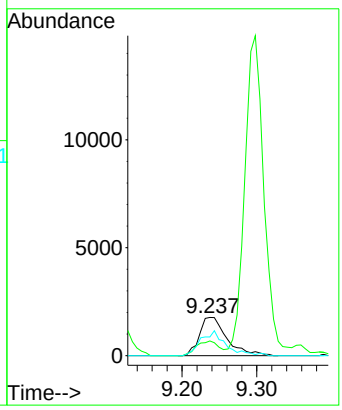


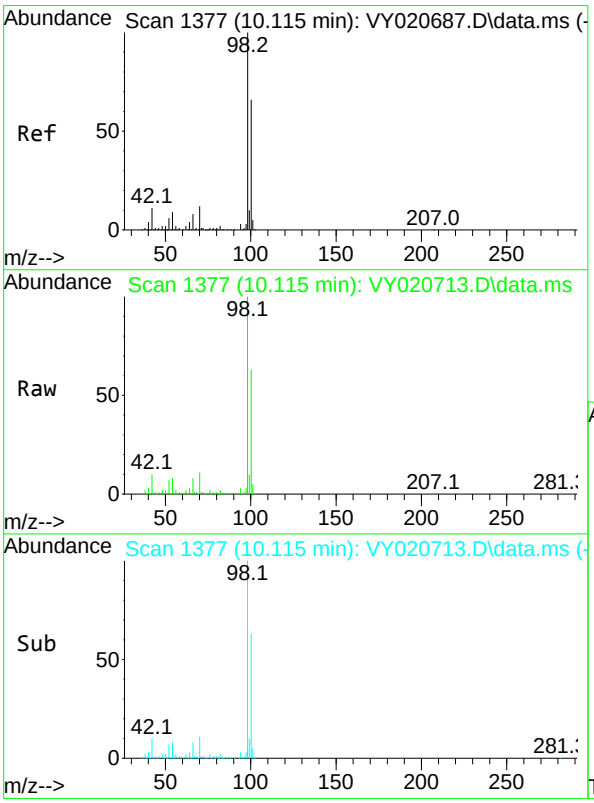
#49
1,4-Dioxane
Concen: 998.617 ug/l
RT: 9.237 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 88 Resp: 4519

Ion	Ratio	Lower	Upper
88	100		
43	31.2	22.1	33.1
58	59.8	46.7	70.1

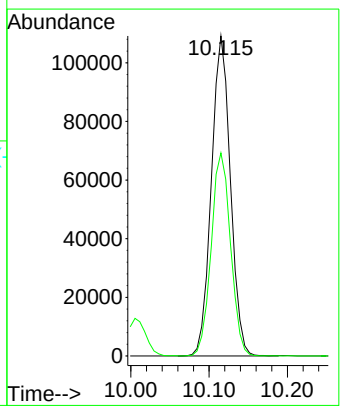


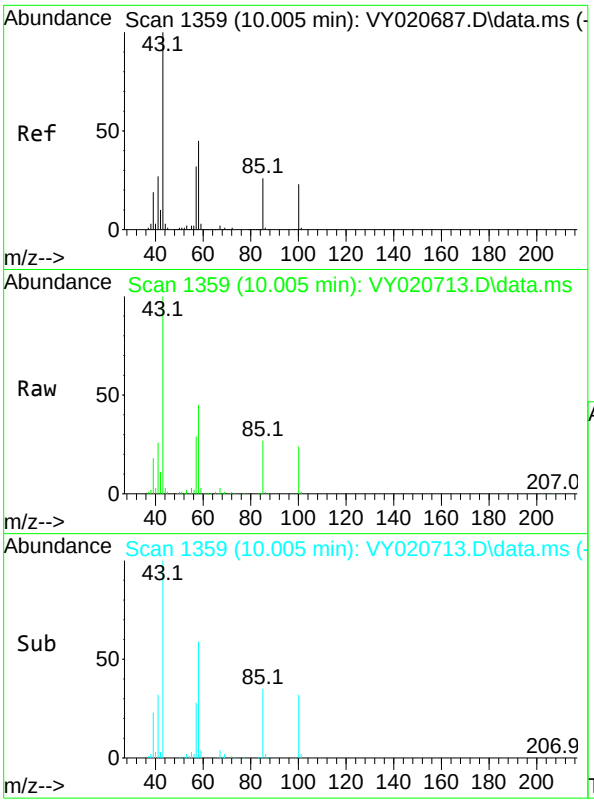


#50
Toluene-d8
Concen: 52.171 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 98 Resp: 184089

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.4



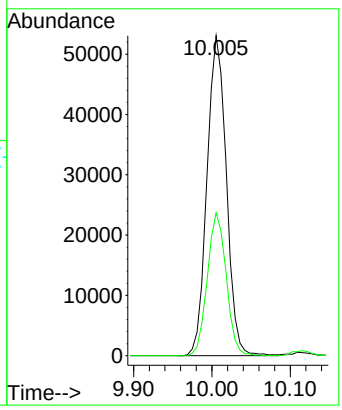


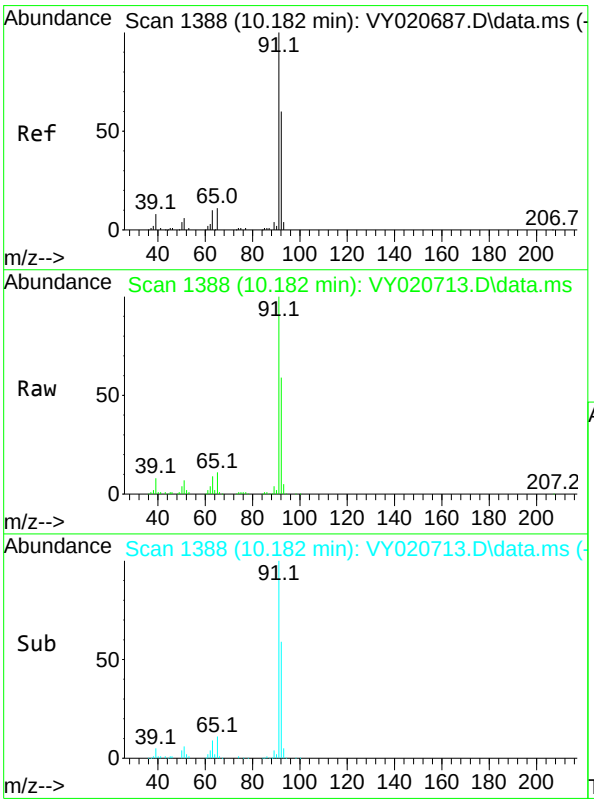
#51
4-Methyl-2-Pentanone
Concen: 230.147 ug/l
RT: 10.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 43 Resp: 91062

Ion	Ratio	Lower	Upper
43	100		
58	43.5	35.1	52.7

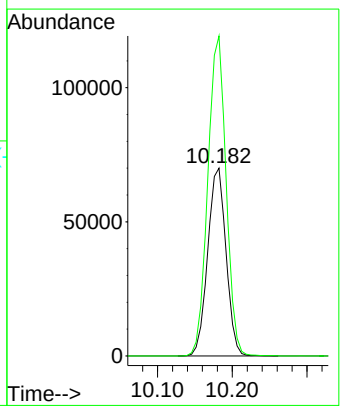


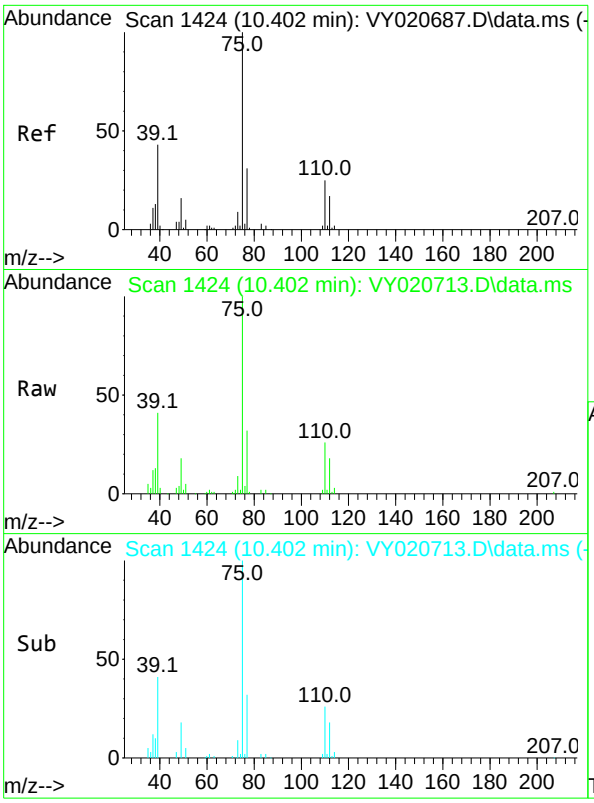


#52
Toluene
Concen: 51.455 ug/l
RT: 10.182 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 92 Resp: 119622

Ion	Ratio	Lower	Upper
92	100		
91	169.7	137.7	206.5



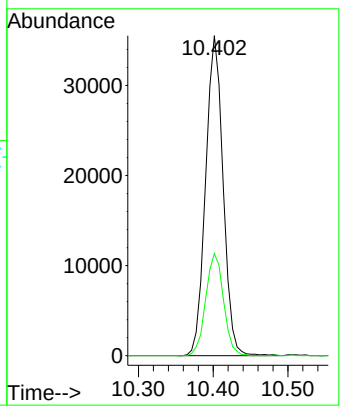


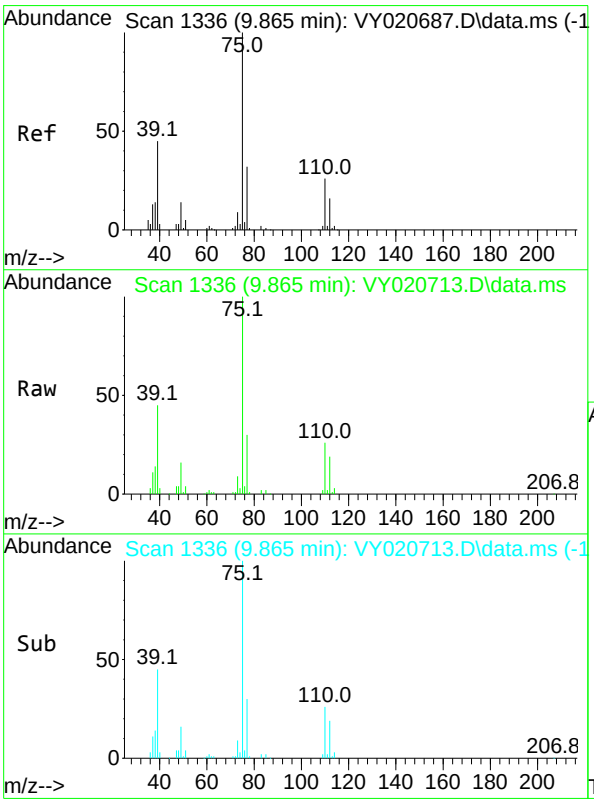
#53
t-1,3-Dichloropropene
Concen: 48.805 ug/l
RT: 10.402 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 75 Resp: 57734

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.1	37.7

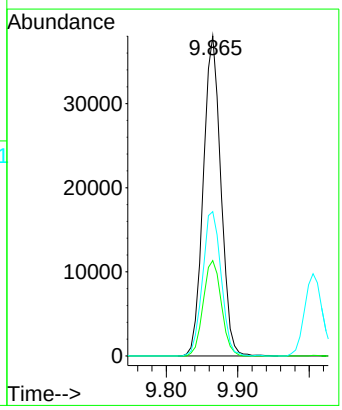


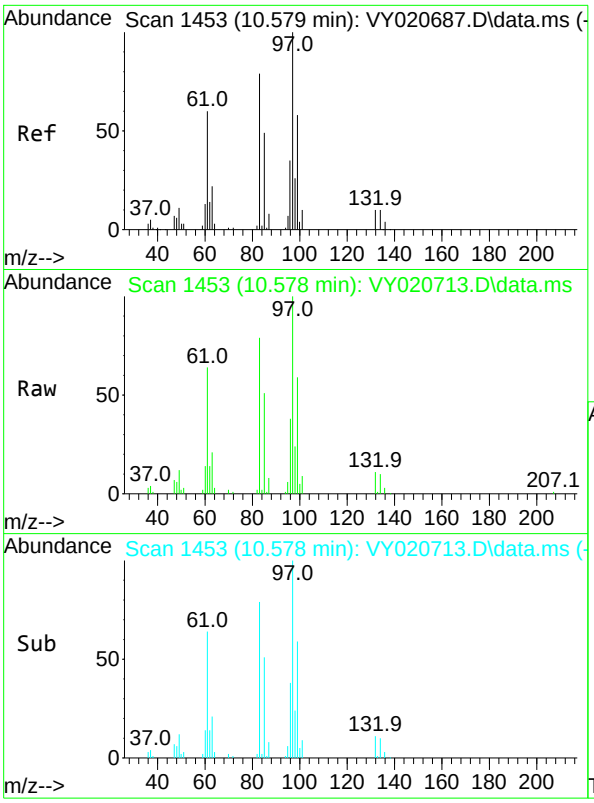


#54
cis-1,3-Dichloropropene
Concen: 49.949 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 75 Resp: 64766

Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.6	38.4
39	45.1	36.2	54.2



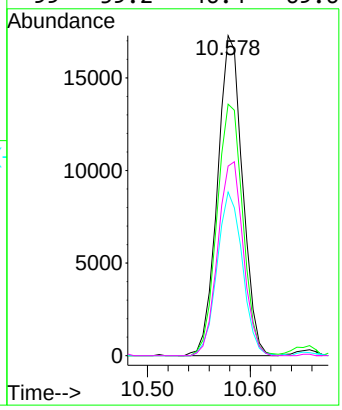


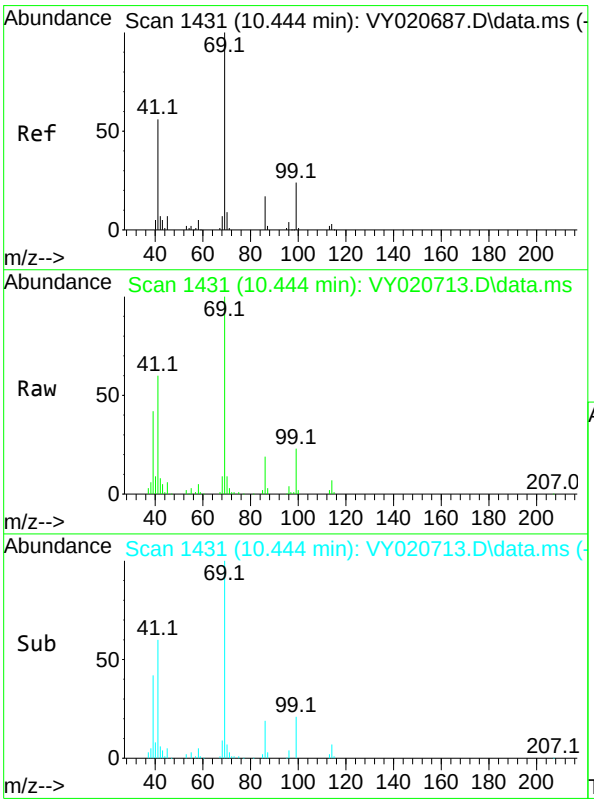
#55
1,1,2-Trichloroethane
Concen: 48.206 ug/l
RT: 10.578 min Scan# 14
Delta R.T. -0.001 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 97 Resp: 29233

Ion	Ratio	Lower	Upper
97	100		
83	78.6	63.1	94.7
85	51.1	39.5	59.3
99	59.2	46.4	69.6

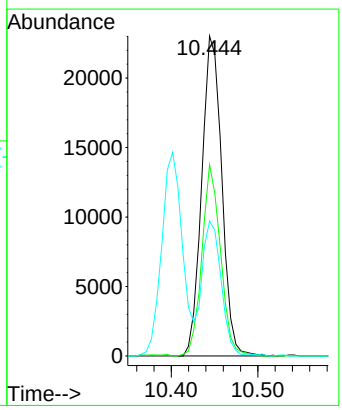


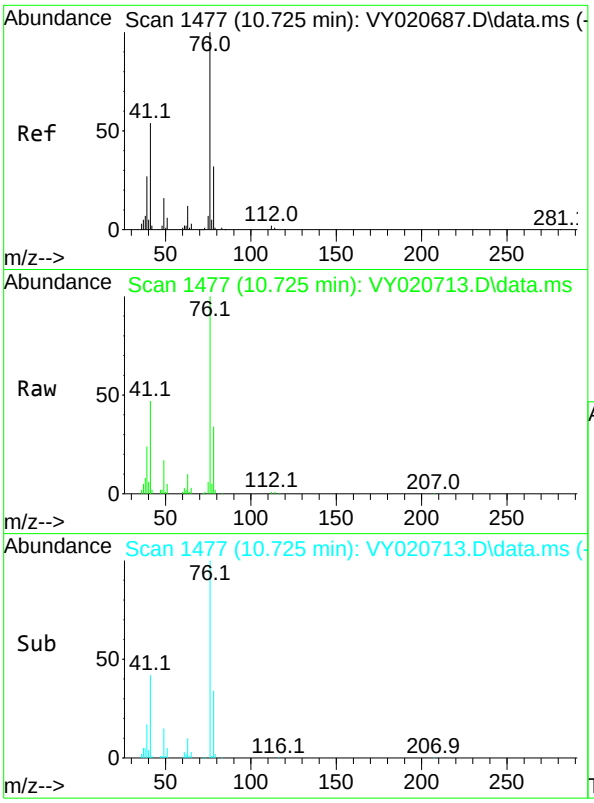


#56
Ethyl methacrylate
Concen: 46.506 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 69 Resp: 37050

Ion	Ratio	Lower	Upper
69	100		
41	55.6	43.8	65.6
39	40.6	32.0	48.0



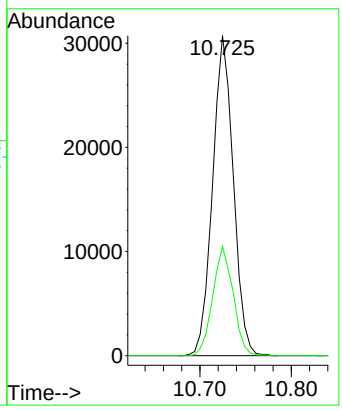


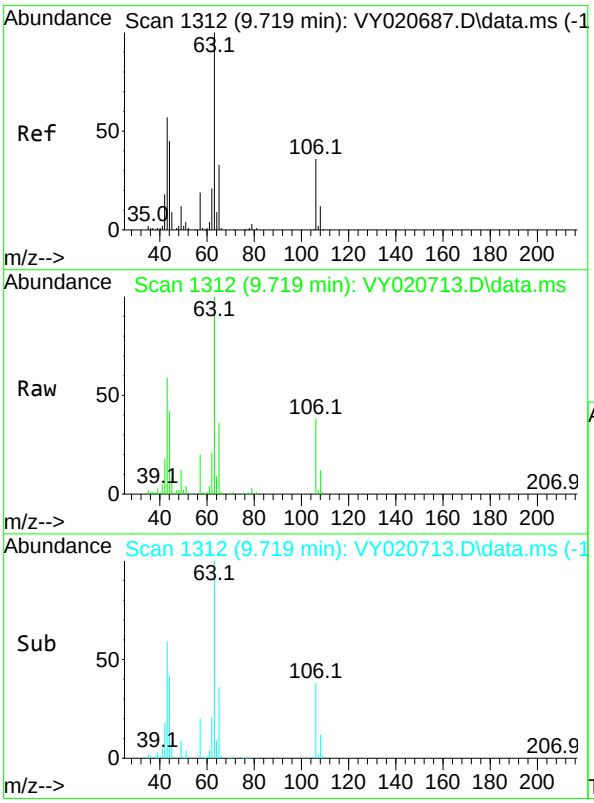
#57
1,3-Dichloropropane
Concen: 49.234 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 76 Resp: 48458

Ion	Ratio	Lower	Upper
76	100		
78	33.6	25.0	37.6

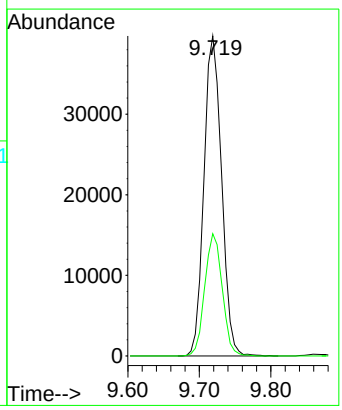


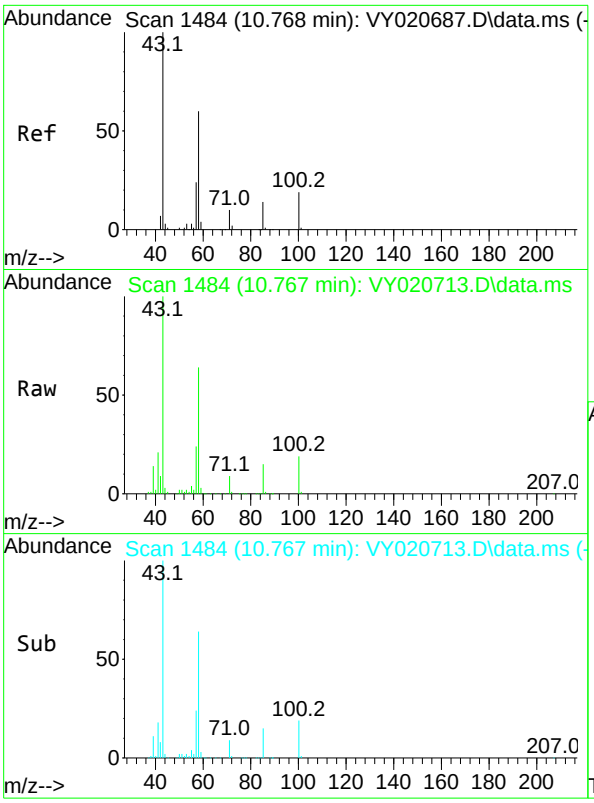


#58
2-Chloroethyl Vinyl ether
Concen: 244.679 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 63 Resp: 67974

Ion	Ratio	Lower	Upper
63	100		
106	38.0	29.1	43.7



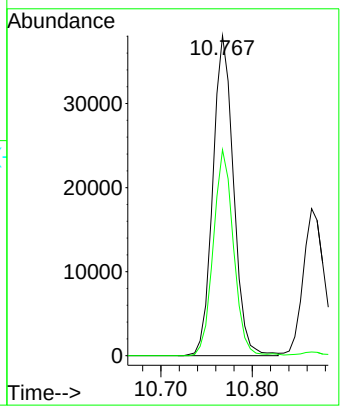


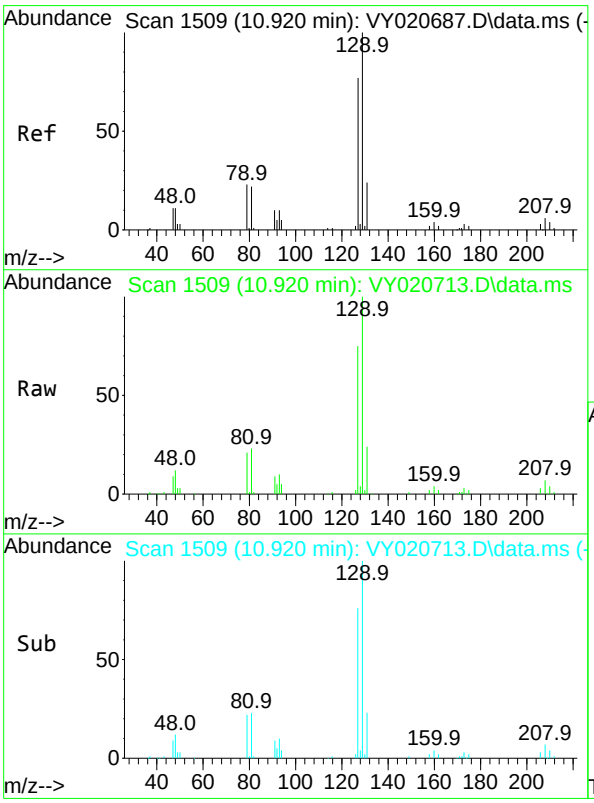
#59
2-Hexanone
Concen: 229.110 ug/l
RT: 10.767 min Scan# 14
Delta R.T. -0.001 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 43 Resp: 59853

Ion	Ratio	Lower	Upper
43	100		
58	62.7	30.1	90.5

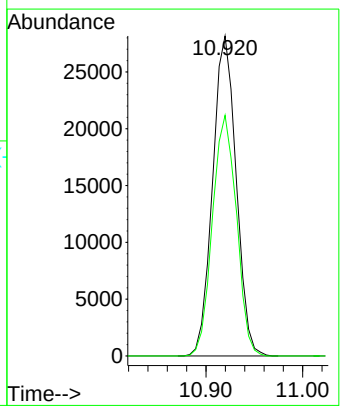


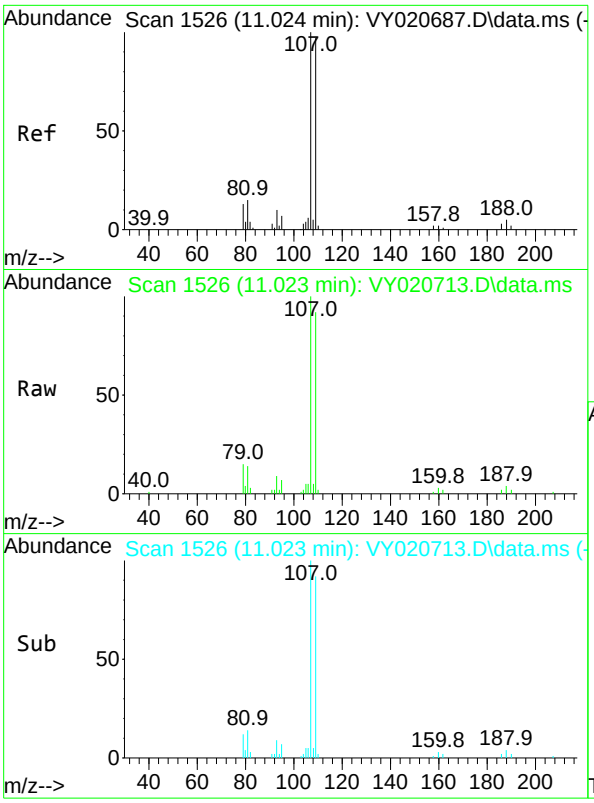


#60
Dibromochloromethane
Concen: 48.574 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:129 Resp: 47597

Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.5	115.5



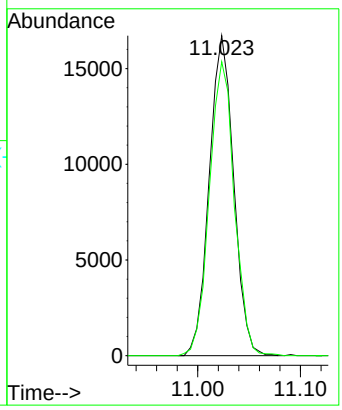


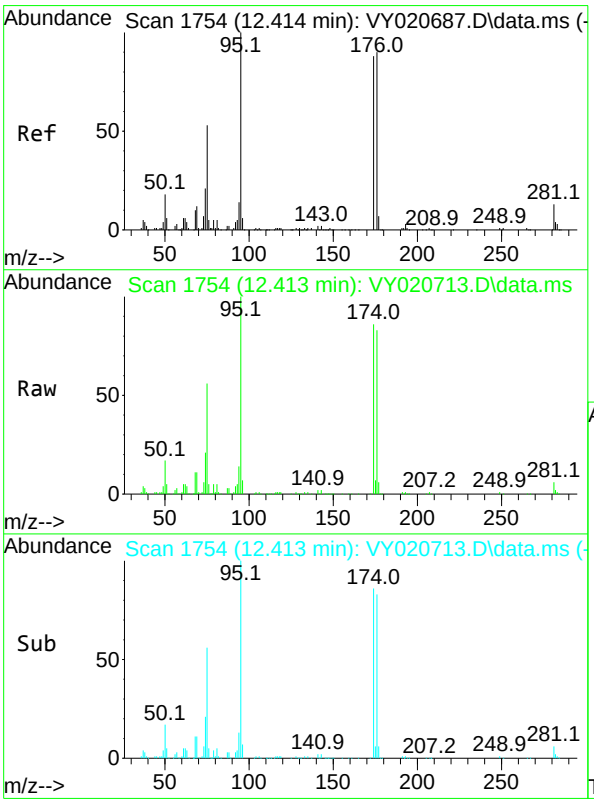
#61
1,2-Dibromoethane
Concen: 48.387 ug/l
RT: 11.023 min Scan# 1
Delta R.T. -0.001 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion:107 Resp: 27610

Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.5	113.3

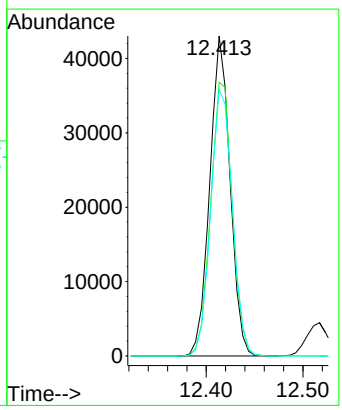


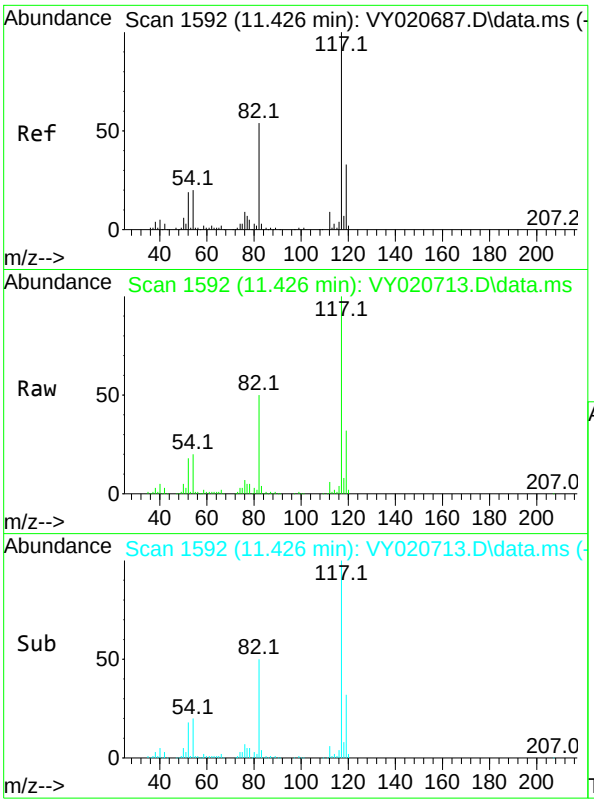


#62
4-Bromofluorobenzene
Concen: 53.215 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. -0.001 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 95 Resp: 62660

Ion	Ratio	Lower	Upper
95	100		
174	91.1	0.0	179.2
176	88.9	0.0	179.8



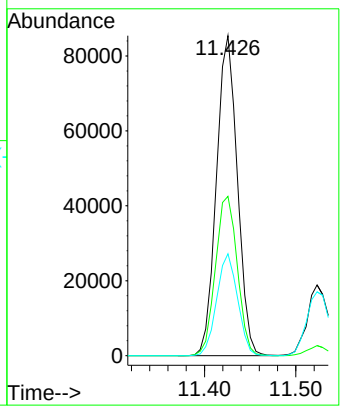


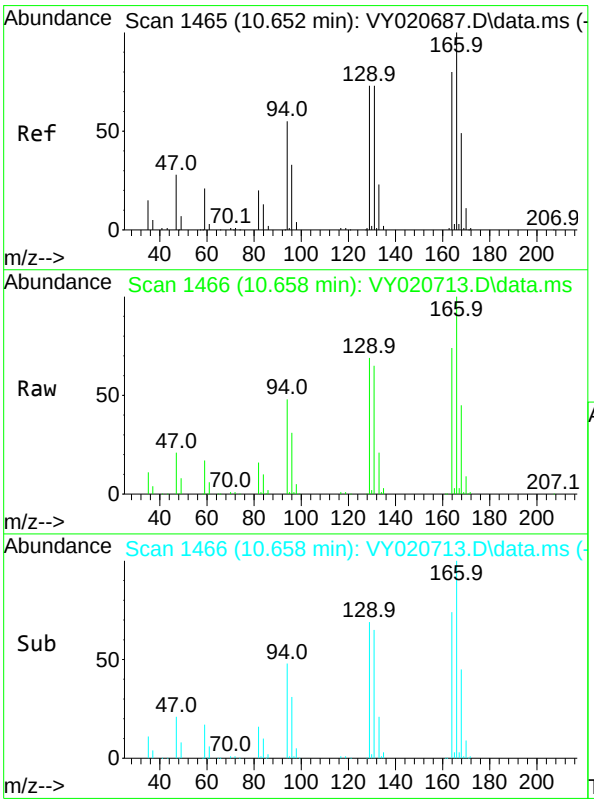
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion:117 Resp: 136421

Ion	Ratio	Lower	Upper
117	100		
82	49.8	43.4	65.2
119	31.9	26.6	39.8

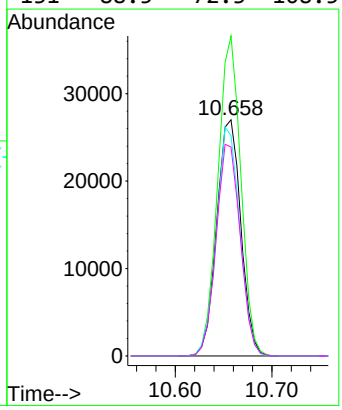


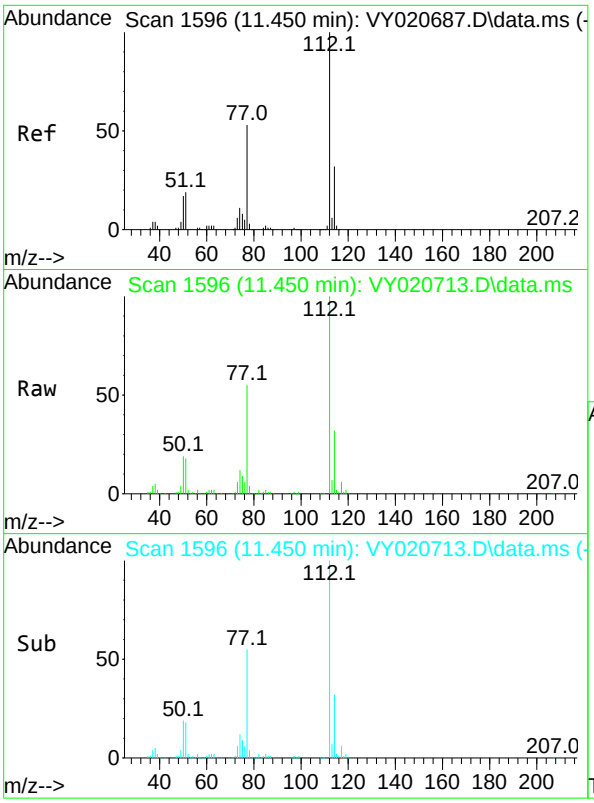


#64
Tetrachloroethene
Concen: 50.131 ug/l
RT: 10.658 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:164 Resp: 46724

Ion	Ratio	Lower	Upper
164	100		
166	135.5	99.6	149.4
129	93.3	73.0	109.4
131	88.5	72.3	108.5



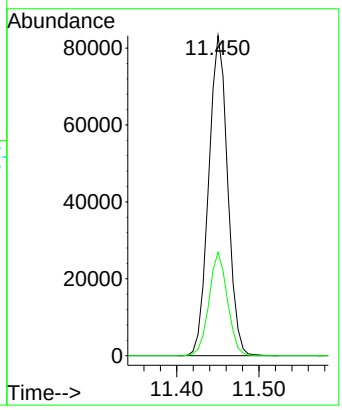


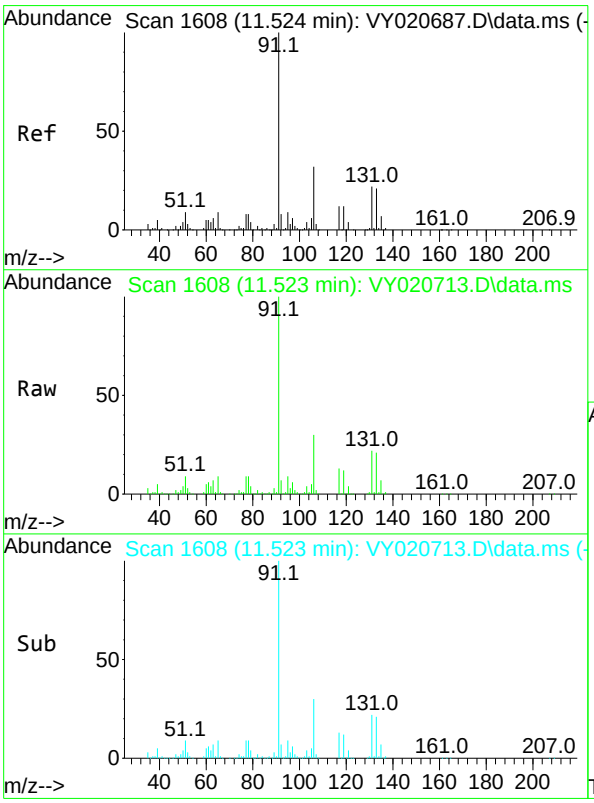
#65
Chlorobenzene
Concen: 49.866 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion:112 Resp: 133203

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.4	38.0

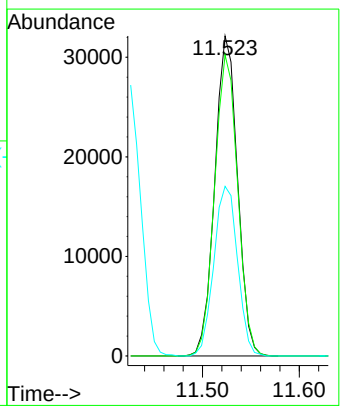


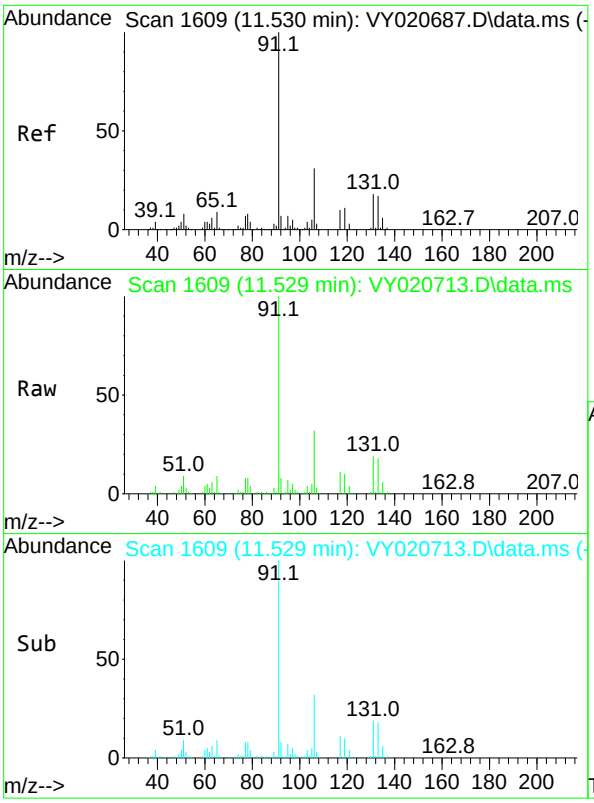


#66
1,1,1,2-Tetrachloroethane
Concen: 50.630 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. -0.001 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:131 Resp: 52397

Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.6	145.9
119	55.4	28.4	85.3



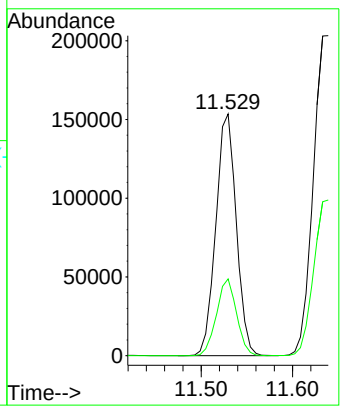


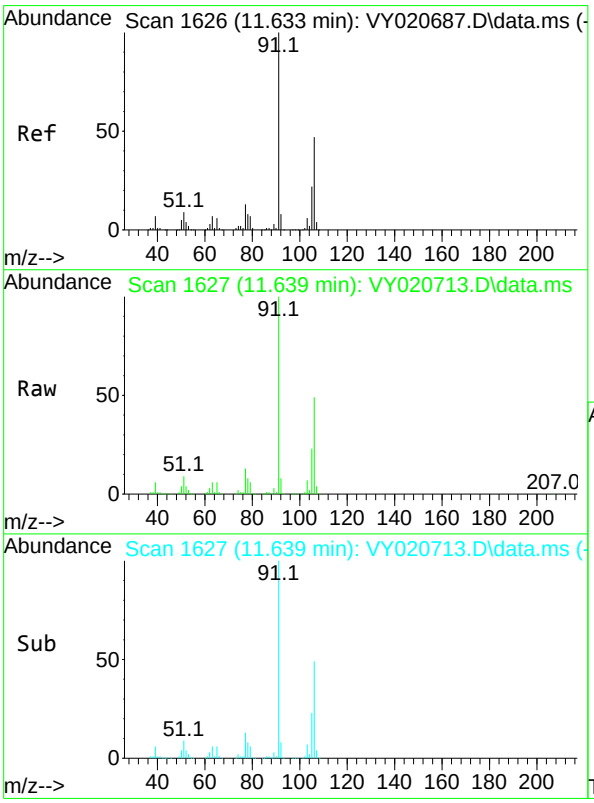
#67
Ethyl Benzene
Concen: 51.151 ug/l
RT: 11.529 min Scan# 1
Delta R.T. -0.001 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 91 Resp: 238810

Ion	Ratio	Lower	Upper
91	100		
106	31.8	24.5	36.7

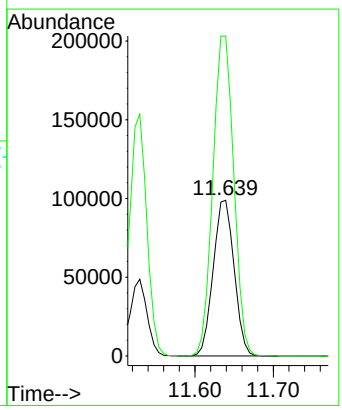


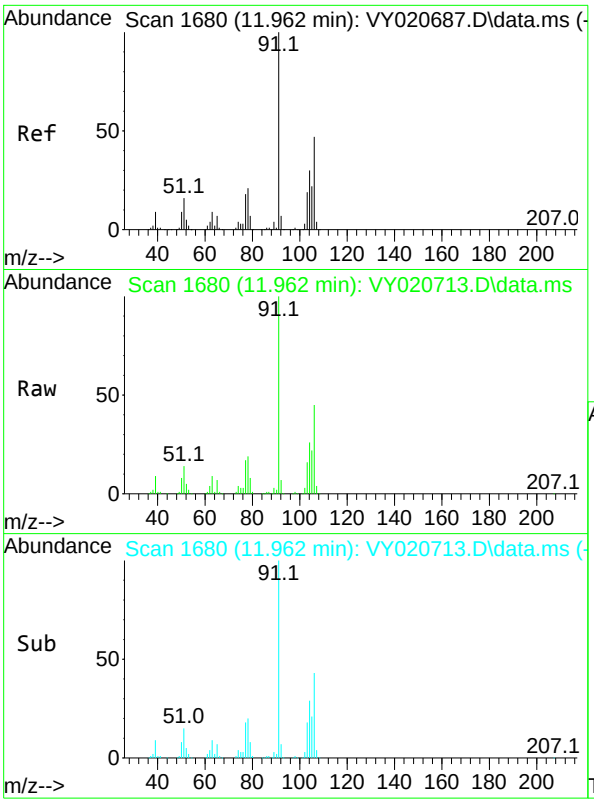


#68
m/p-Xylenes
Concen: 103.152 ug/l
RT: 11.639 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:106 Resp: 183706

Ion	Ratio	Lower	Upper
106	100		
91	205.9	166.6	250.0



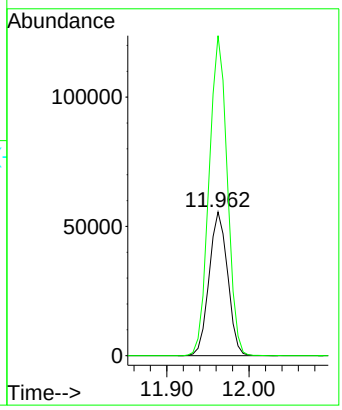


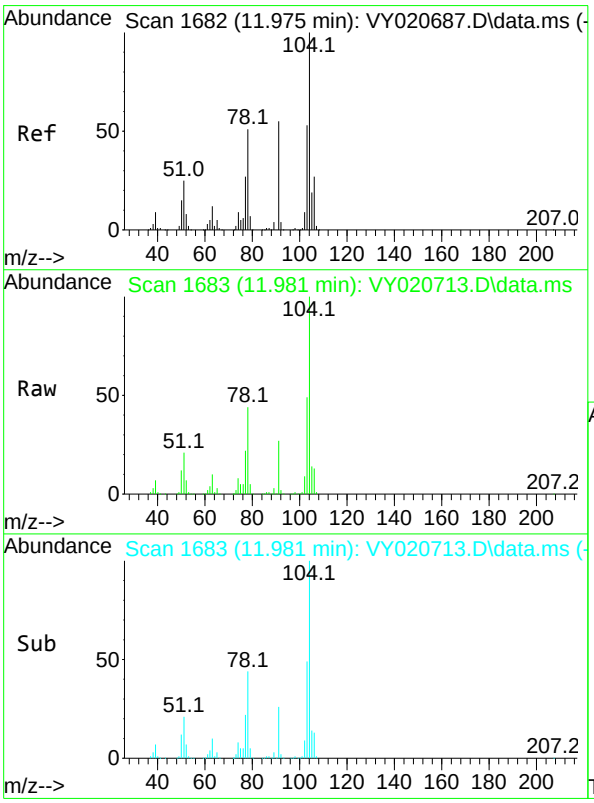
#69
o-Xylene
Concen: 51.032 ug/l
RT: 11.962 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion:106 Resp: 86833

Ion	Ratio	Lower	Upper
106	100		
91	219.3	108.6	325.8

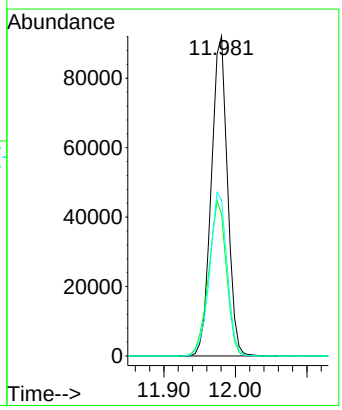


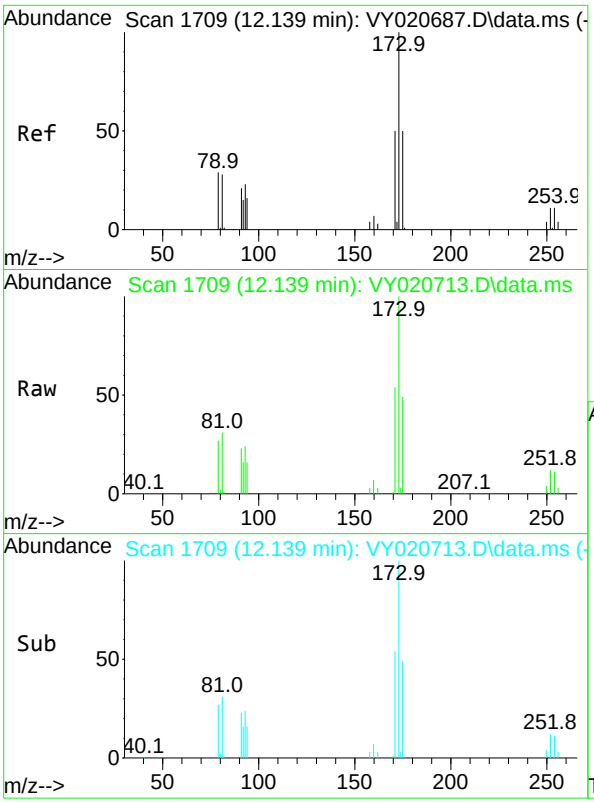


#70
Styrene
Concen: 50.717 ug/l
RT: 11.981 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:104 Resp: 144868

Ion	Ratio	Lower	Upper
104	100		
78	53.4	43.0	64.4
103	55.0	44.4	66.6



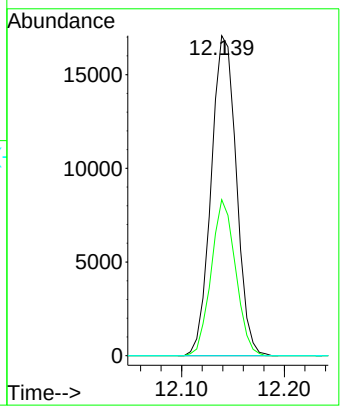


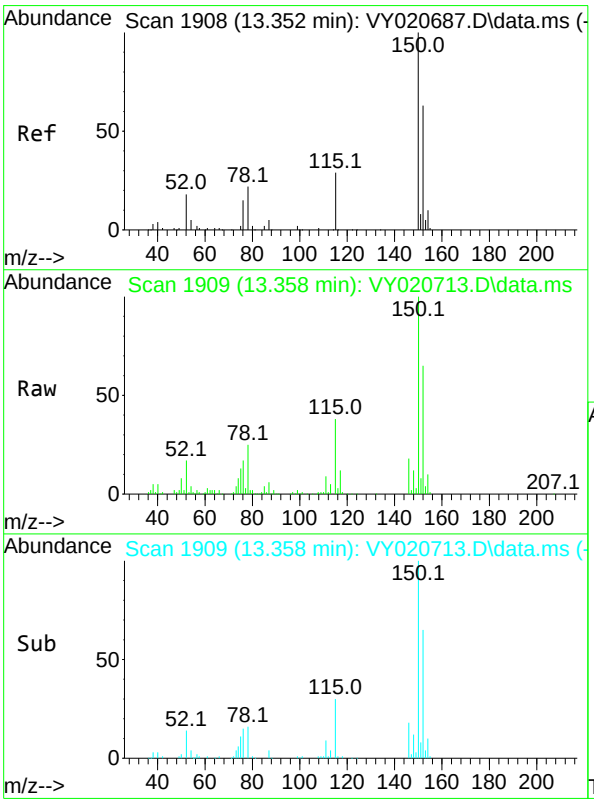
#71
Bromoform
Concen: 48.733 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion:173 Resp: 28995

Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.2	72.6
254	0.0	0.0	0.0

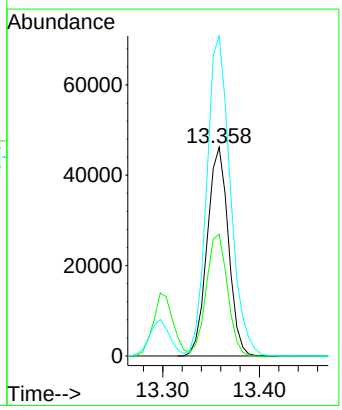


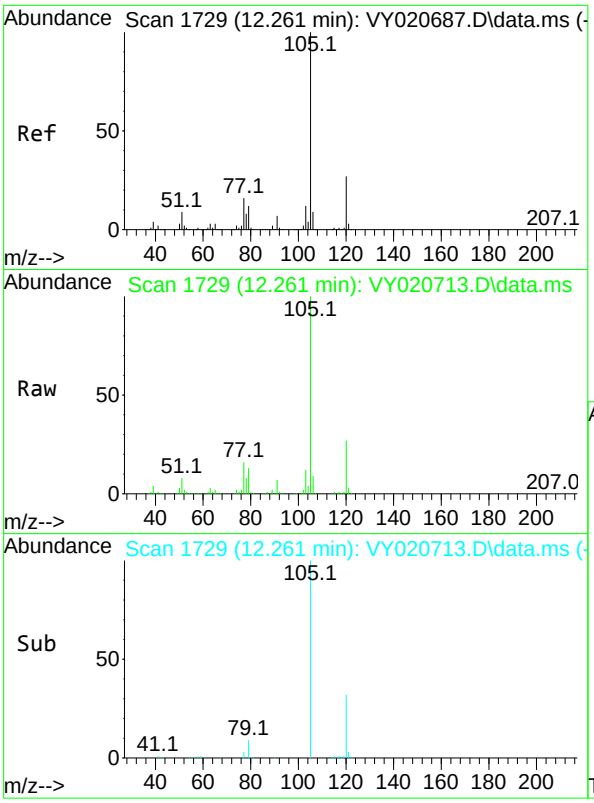


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.358 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:152 Resp: 70383

Ion	Ratio	Lower	Upper
152	100		
115	58.4	30.3	90.9
150	170.0	0.0	349.0



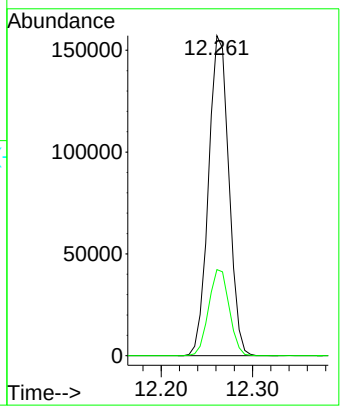


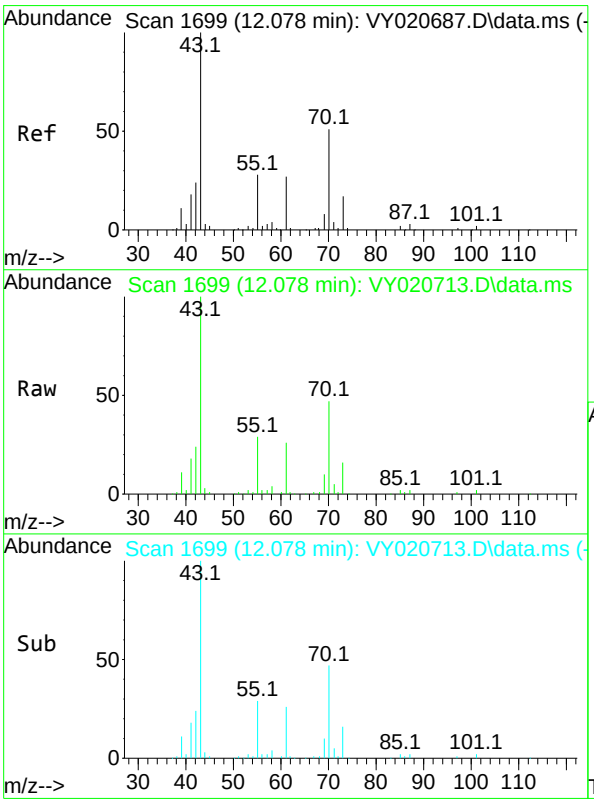
#73
Isopropylbenzene
Concen: 49.720 ug/l
RT: 12.261 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion:105 Resp: 242449

Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.3	39.9

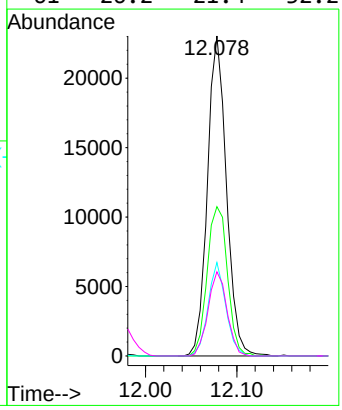


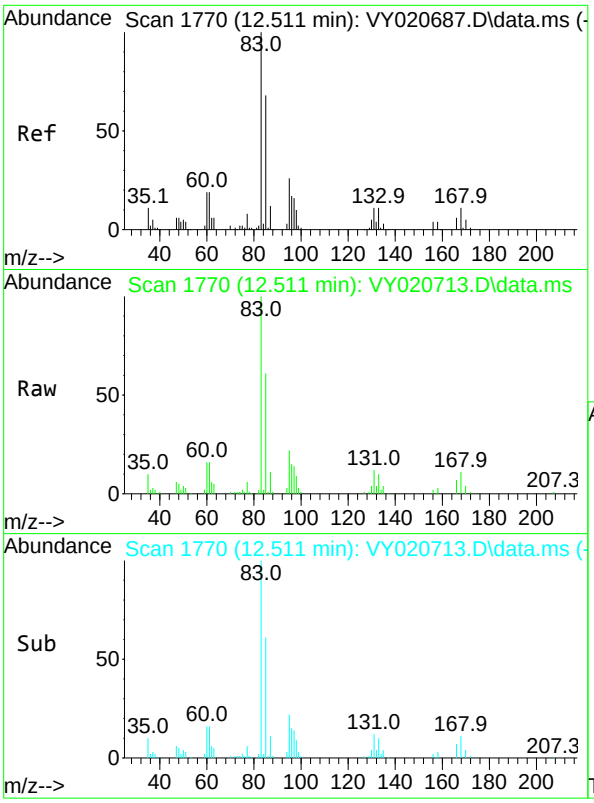


#74
N-amyl acetate
Concen: 48.015 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 43 Resp: 33272

Ion	Ratio	Lower	Upper
43	100		
70	49.9	39.7	59.5
55	27.2	21.5	32.3
61	26.2	21.4	32.2



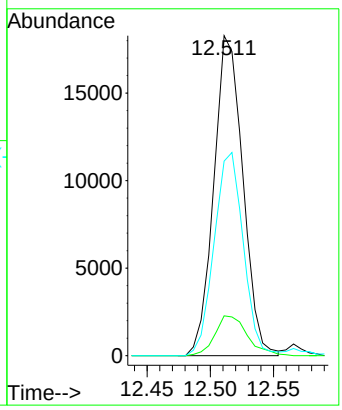


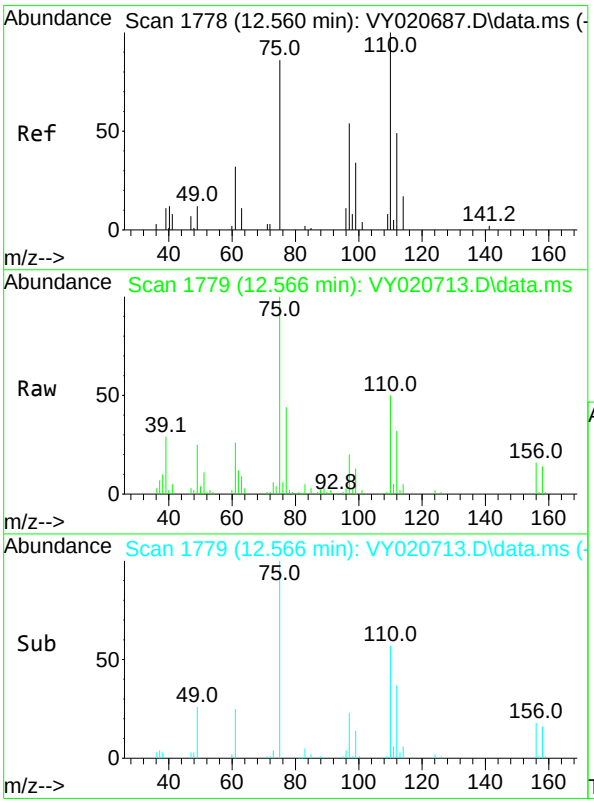
#75
1,1,2,2-Tetrachloroethane
Concen: 46.657 ug/l
RT: 12.511 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 83 Resp: 29166

Ion	Ratio	Lower	Upper
83	100		
131	14.0	6.9	20.7
85	63.9	32.5	97.4

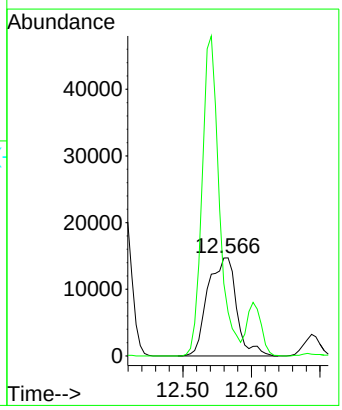


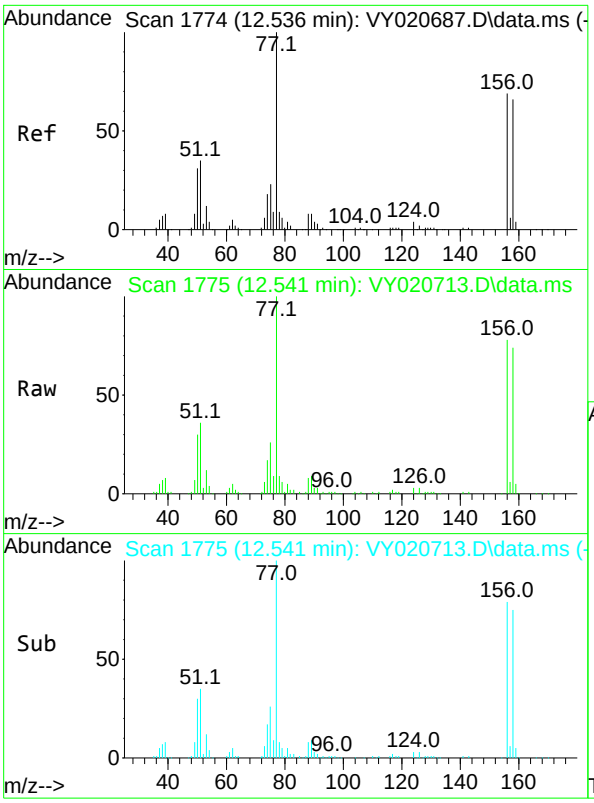


#76
1,2,3-Trichloropropane
Concen: 95.817 ug/l
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 75 Resp: 42892

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



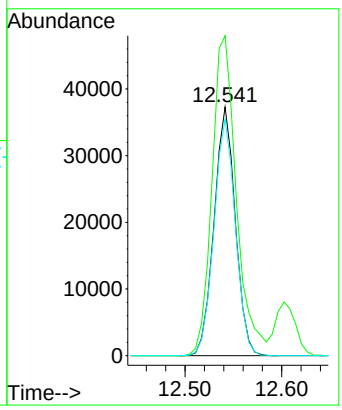


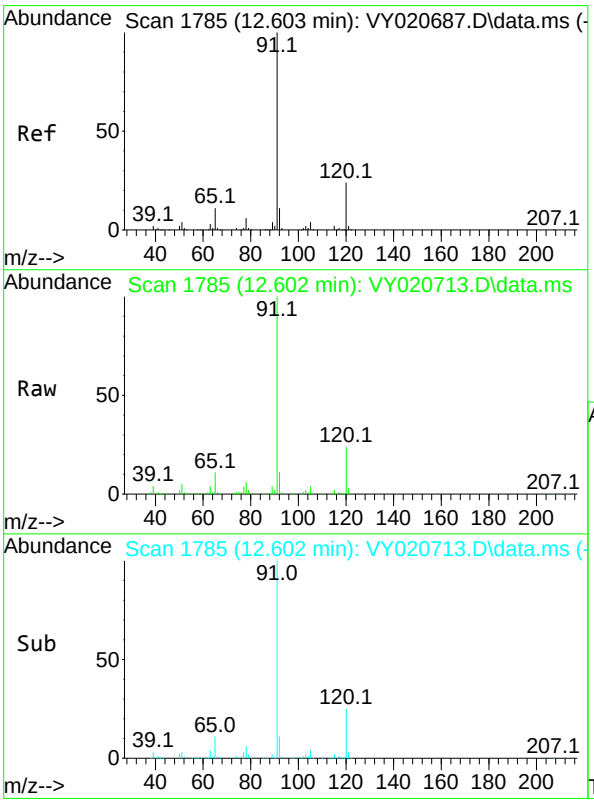
#77
Bromobenzene
Concen: 50.459 ug/l
RT: 12.541 min Scan# 1
Delta R.T. 0.005 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion:156 Resp: 56640

Ion	Ratio	Lower	Upper
156	100		
77	148.5	78.3	235.0
158	96.1	48.3	144.9

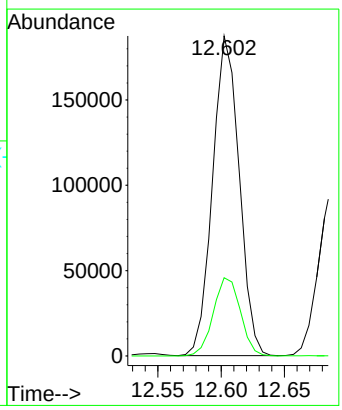


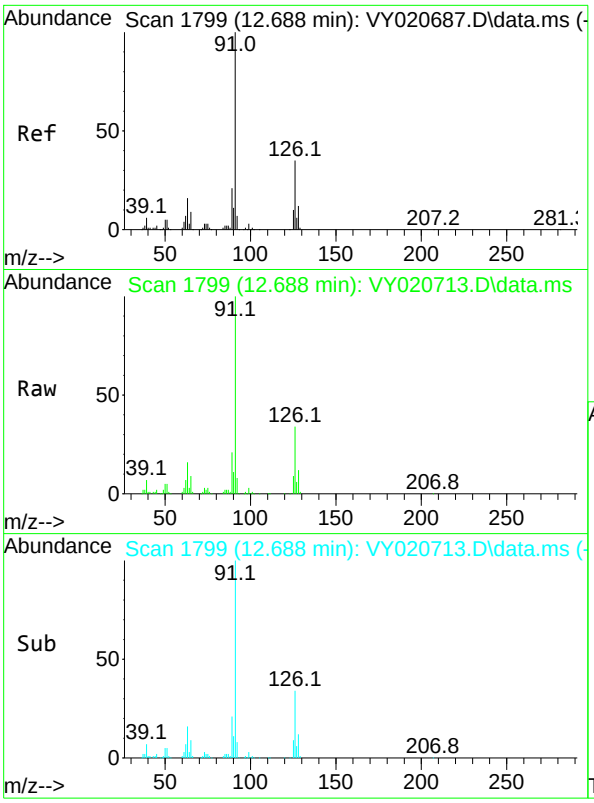


#78
n-propylbenzene
Concen: 50.119 ug/l
RT: 12.602 min Scan# 1785
Delta R.T. -0.001 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 91 Resp: 273917

Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.3	36.8



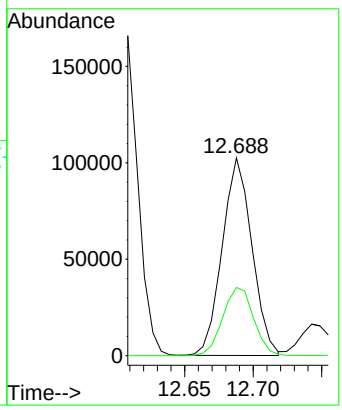


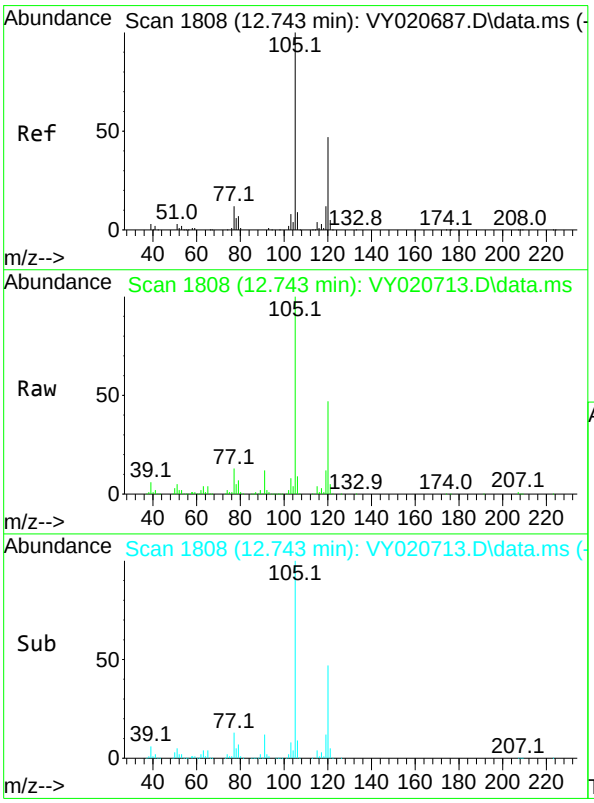
#79
2-Chlorotoluene
Concen: 49.656 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 91 Resp: 154710

Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.8	53.3

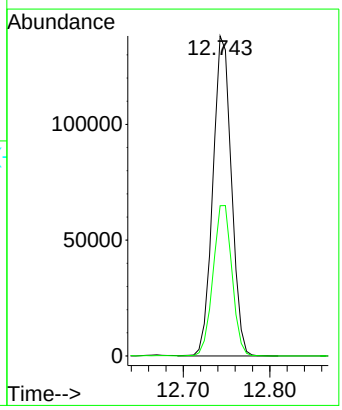


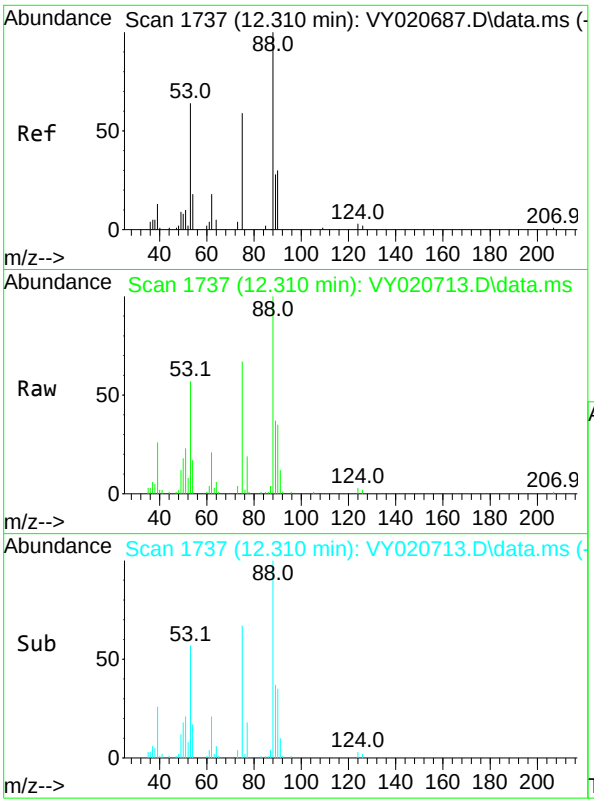


#80
1,3,5-Trimethylbenzene
Concen: 50.488 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:105 Resp: 205116

Ion	Ratio	Lower	Upper
105	100		
120	48.2	23.9	71.7



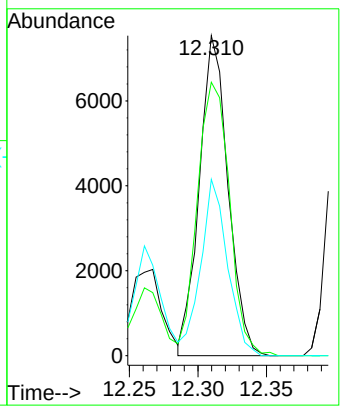


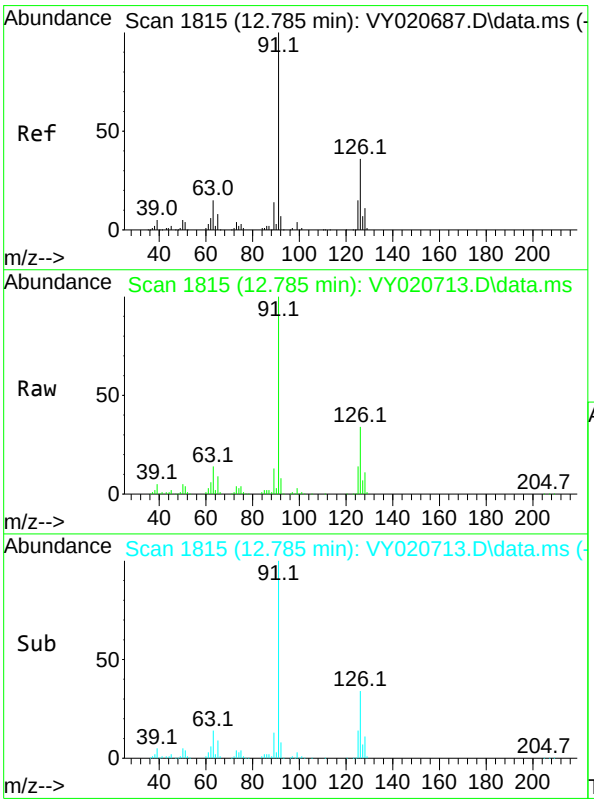
#81
trans-1,4-Dichloro-2-butene
Concen: 48.646 ug/l
RT: 12.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 75 Resp: 11017

Ion	Ratio	Lower	Upper
75	100		
53	95.0	83.1	124.7
89	51.5	40.6	61.0

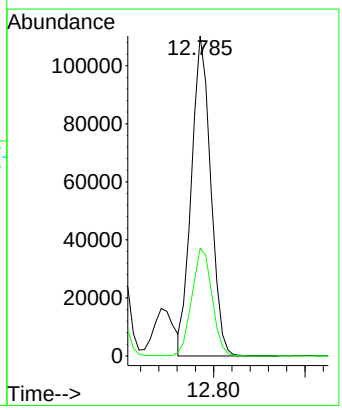


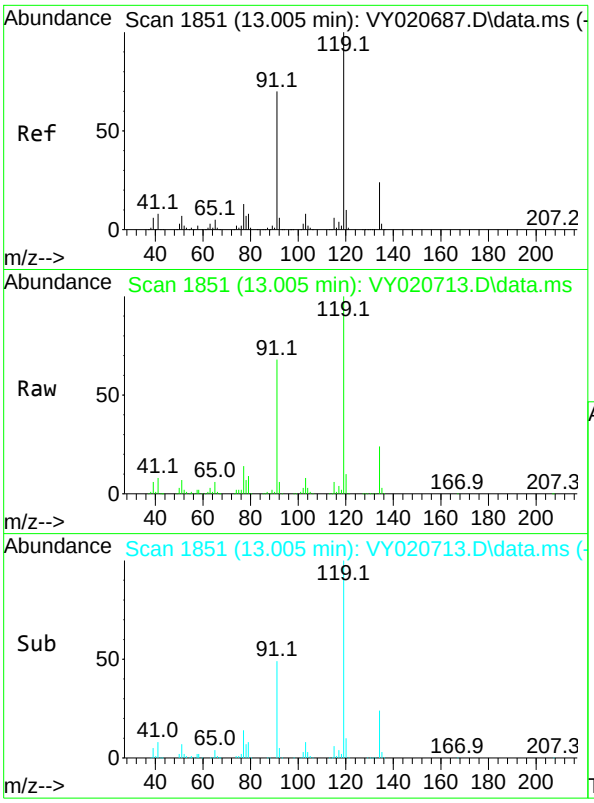


#82
4-Chlorotoluene
Concen: 50.168 ug/l
RT: 12.785 min Scan# 1815
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 91 Resp: 161536

Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.8	53.5



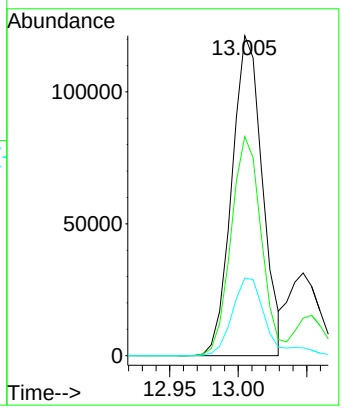


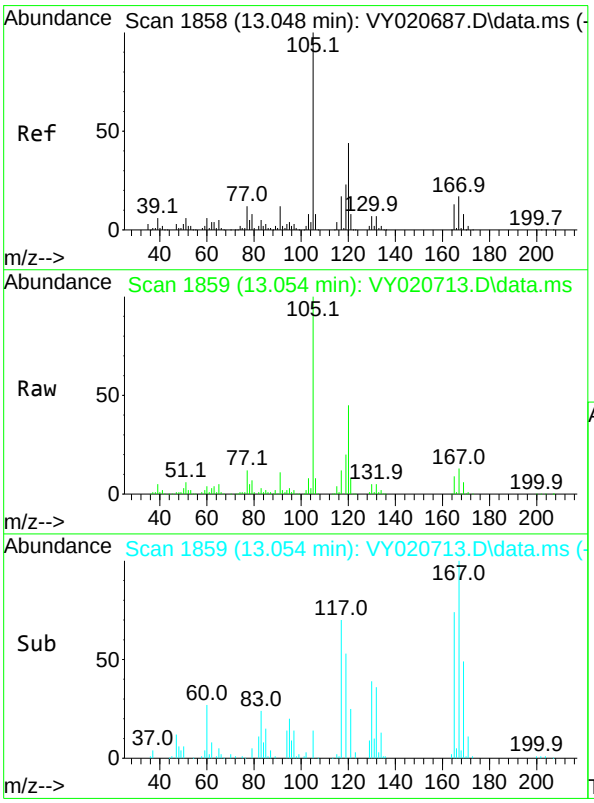
#83
tert-Butylbenzene
Concen: 49.565 ug/l
RT: 13.005 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion:119 Resp: 188052

Ion	Ratio	Lower	Upper
119	100		
91	68.2	33.6	100.8
134	27.0	13.4	40.2

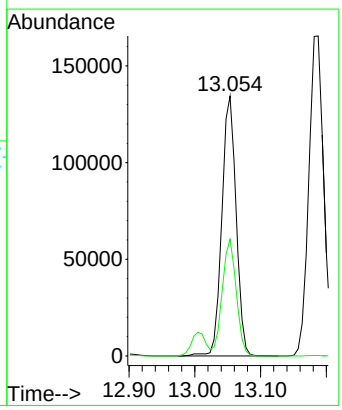


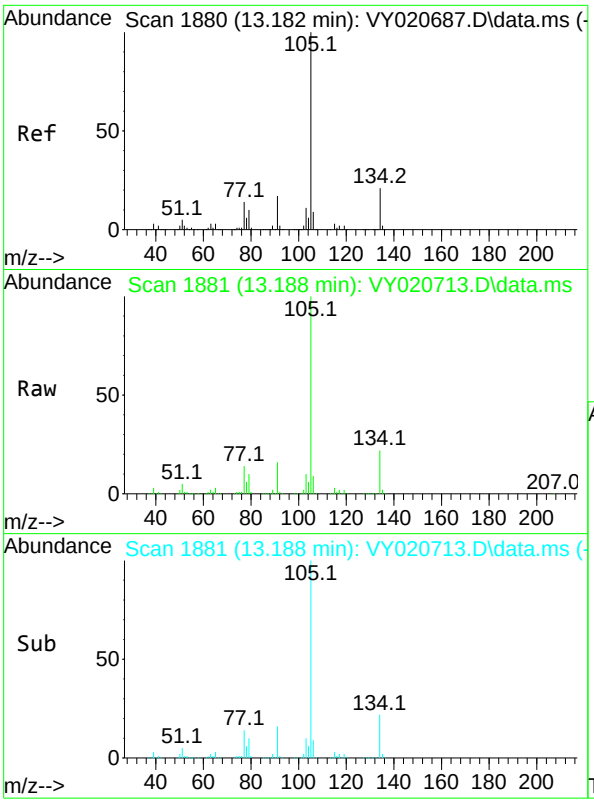


#84
1,2,4-Trimethylbenzene
Concen: 51.350 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.005 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:105 Resp: 203012

Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.8	65.3



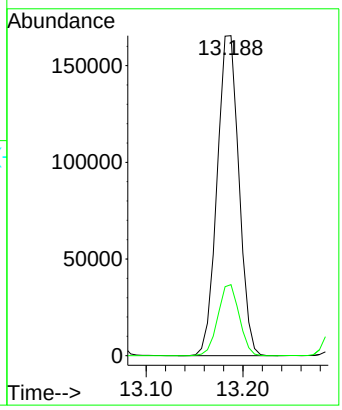


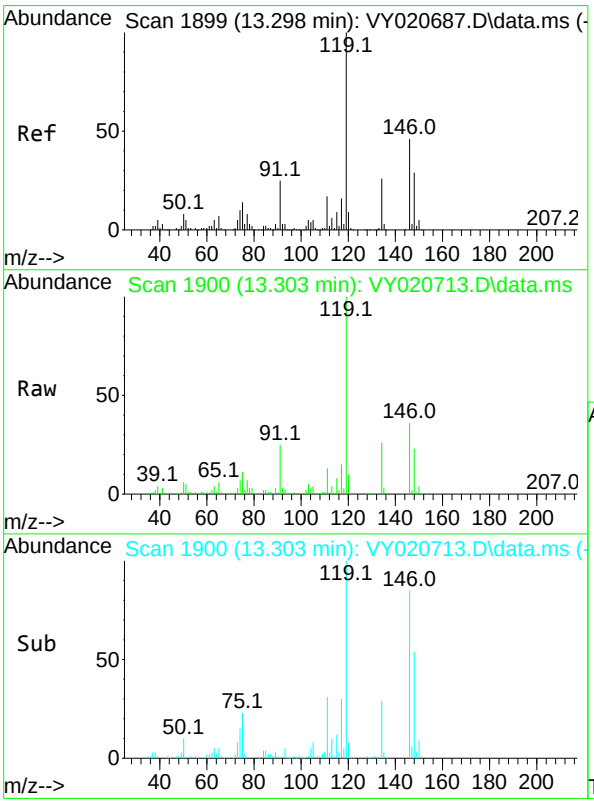
#85
sec-Butylbenzene
Concen: 50.578 ug/l
RT: 13.188 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion:105 Resp: 258622

Ion	Ratio	Lower	Upper
105	100		
134	21.7	10.7	32.1

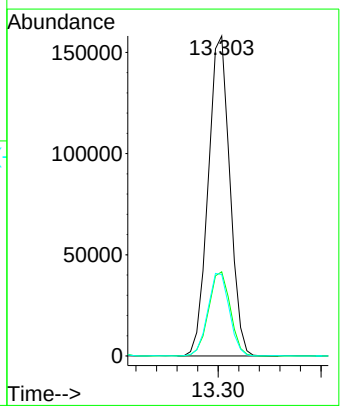


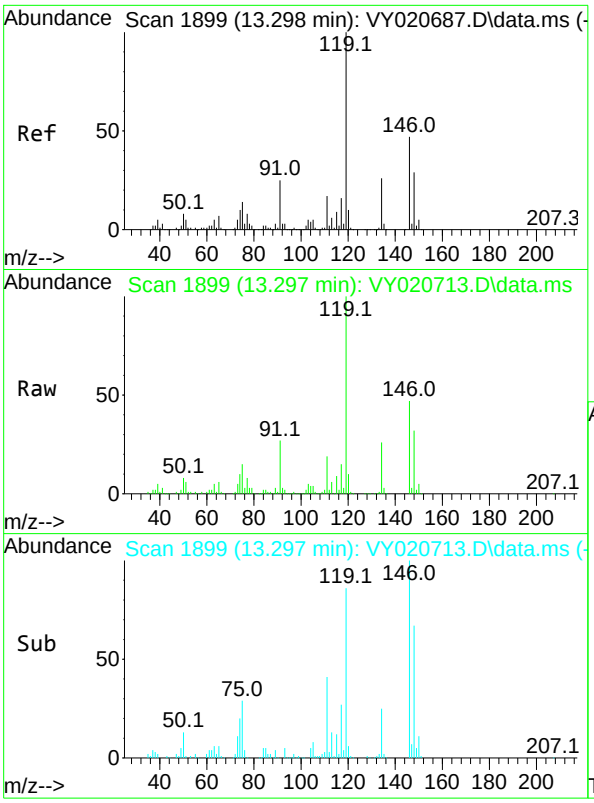


#86
p-Isopropyltoluene
Concen: 50.557 ug/l
RT: 13.303 min Scan# 1900
Delta R.T. 0.005 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:119 Resp: 230385

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.4	40.2
91	25.8	12.9	38.6



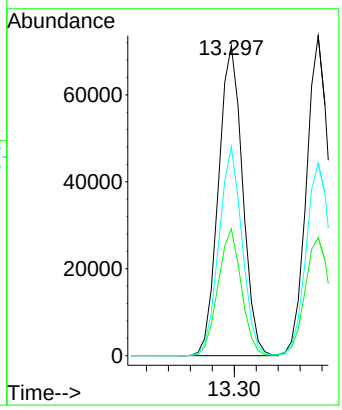


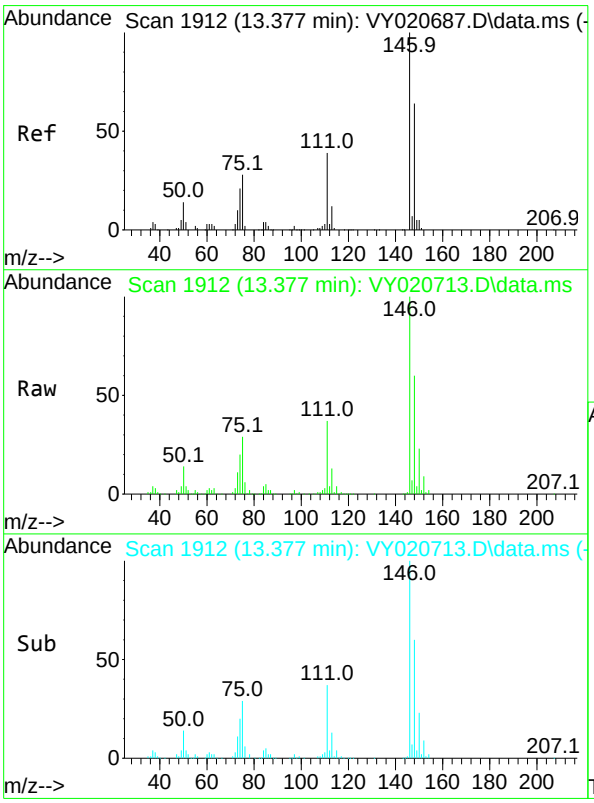
#87
1,3-Dichlorobenzene
Concen: 49.657 ug/l
RT: 13.297 min Scan# 1
Delta R.T. -0.001 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion:146 Resp: 108941

Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.3	57.8
148	64.8	31.1	93.5

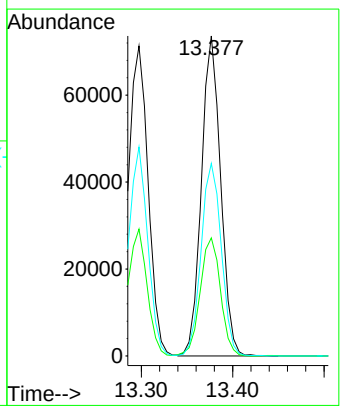


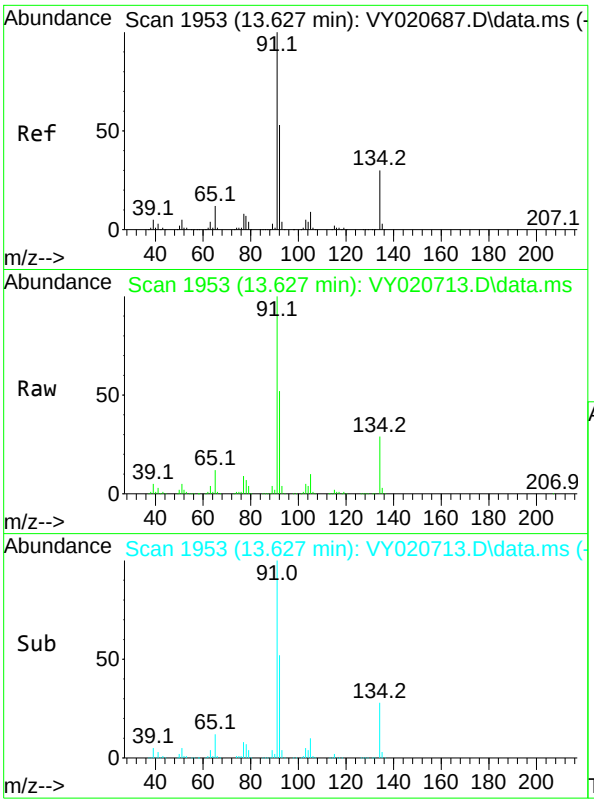


#88
1,4-Dichlorobenzene
Concen: 49.305 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:146 Resp: 107603

Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.0
148	63.3	32.8	98.3



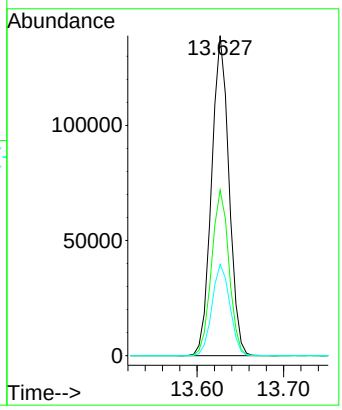


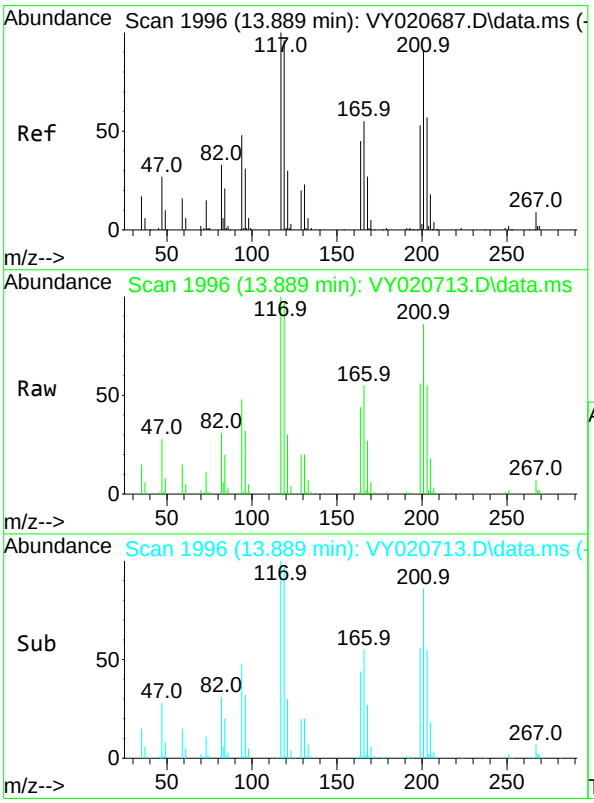
#89
n-Butylbenzene
Concen: 51.082 ug/l
RT: 13.627 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion: 91 Resp: 194314

Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.1	78.2
134	29.2	14.8	44.4

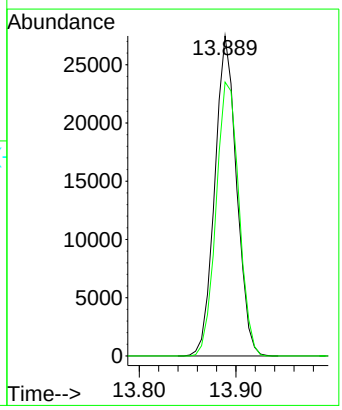


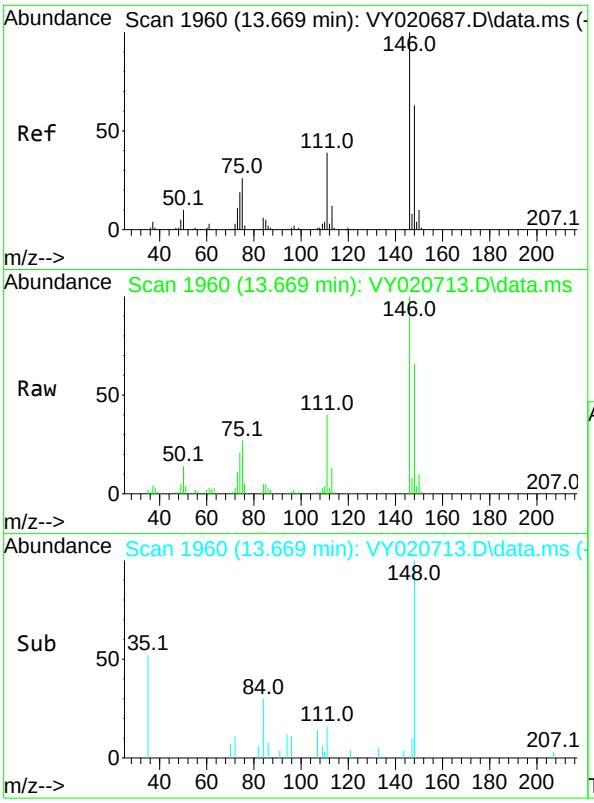


#90
Hexachloroethane
Concen: 49.619 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:117 Resp: 42996

Ion	Ratio	Lower	Upper
117	100		
201	89.5	44.9	134.7



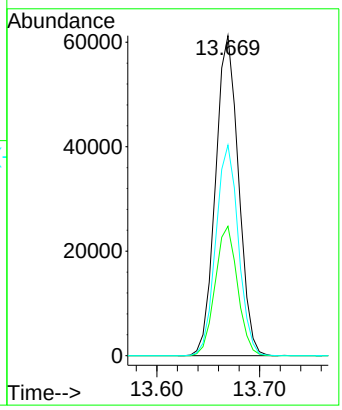


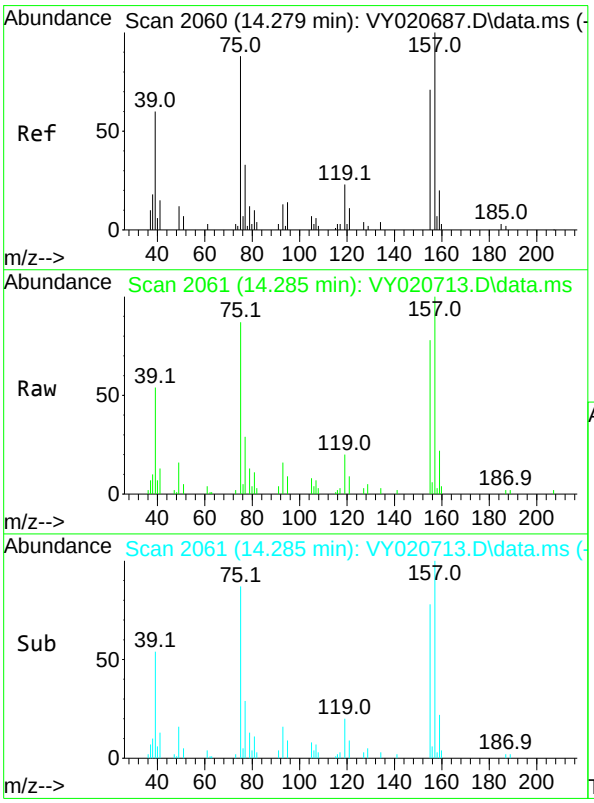
#91
1,2-Dichlorobenzene
Concen: 50.573 ug/l
RT: 13.669 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion:146 Resp: 95132

Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.3	60.8
148	64.7	31.9	95.5

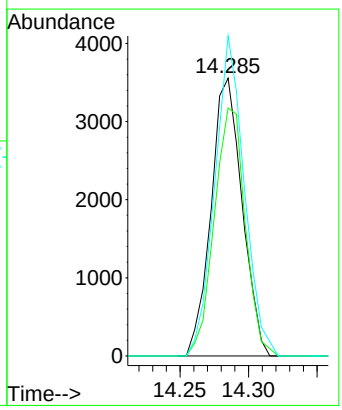


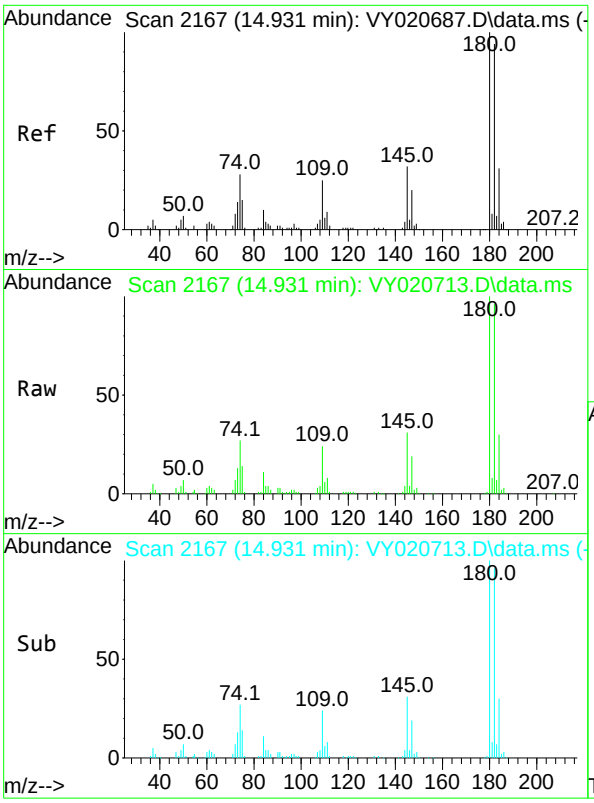


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.197 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion: 75 Resp: 5601

Ion	Ratio	Lower	Upper
75	100		
155	88.6	43.4	130.2
157	109.3	58.6	175.7



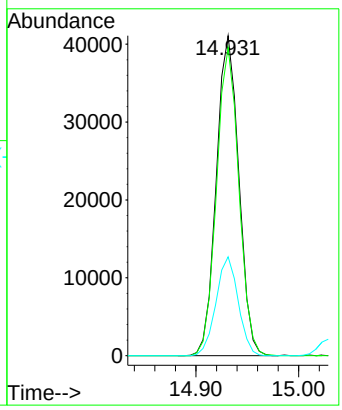


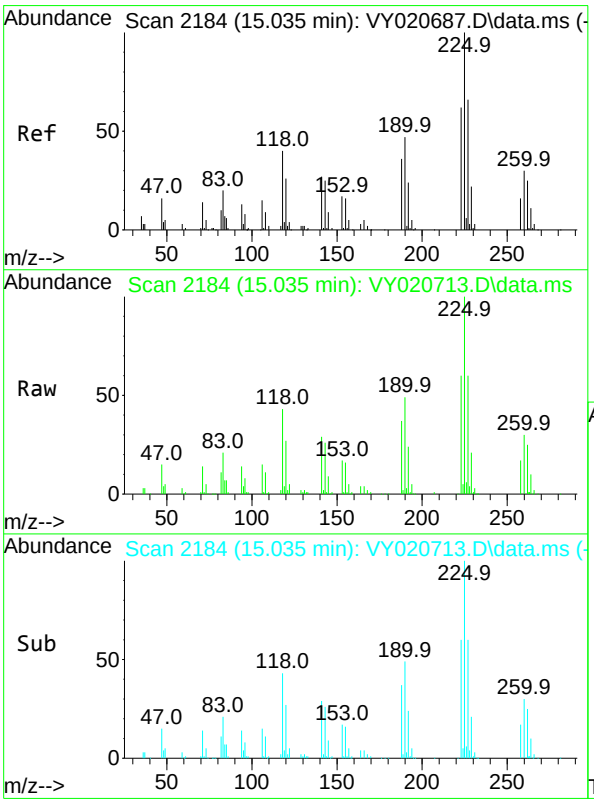
#93
1,2,4-Trichlorobenzene
Concen: 52.197 ug/l
RT: 14.931 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion:180 Resp: 62409

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.7
145	30.5	15.6	46.8

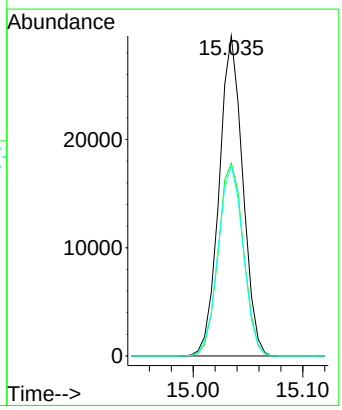


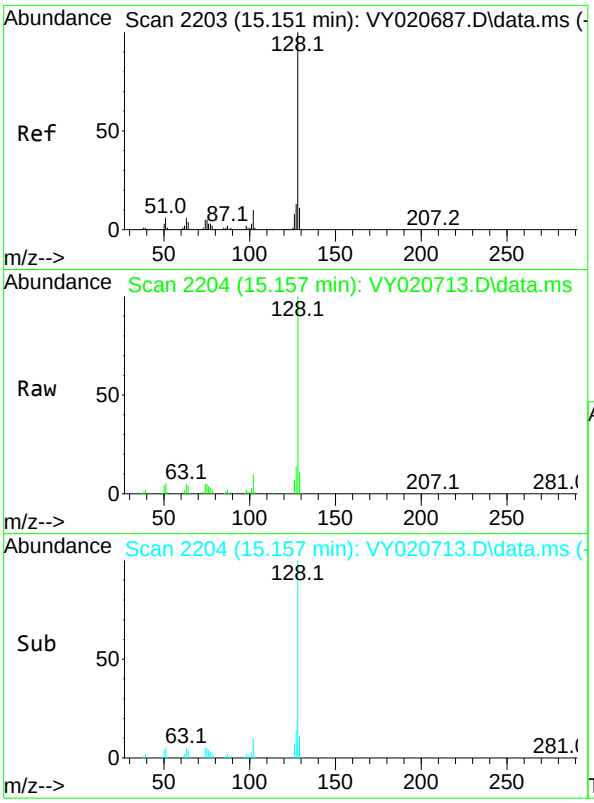


#94
Hexachlorobutadiene
Concen: 50.811 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:225 Resp: 44277

Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.3	93.8
227	63.1	32.1	96.5



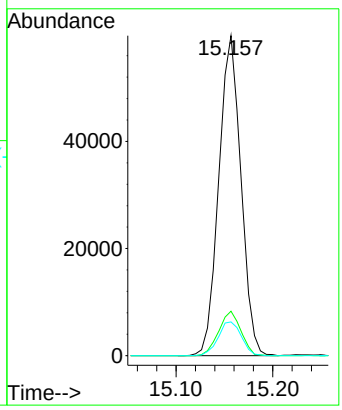


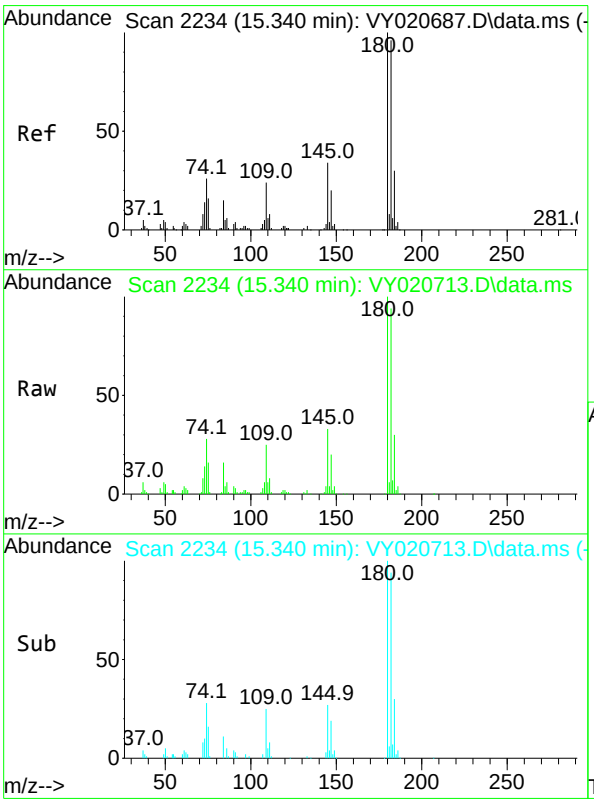
#95
Naphthalene
Concen: 49.600 ug/l
RT: 15.157 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122624

Tgt Ion:128 Resp: 94983

Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.7	16.1
129	11.1	8.6	12.8

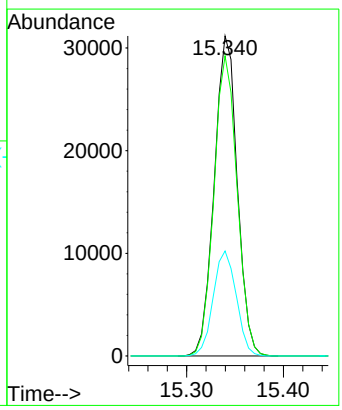




#96
1,2,3-Trichlorobenzene
Concen: 51.643 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. -0.000 min
Lab File: VY020713.D
Acq: 26 Dec 2024 12:51

Tgt Ion:180 Resp: 51411

Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.4	142.2
145	32.9	16.7	50.1



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020715.D
Acq On : 26 Dec 2024 14:32
Operator : SY/MD
Sample : VY1226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Quant Time: Dec 26 16:19:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.720	168	120044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	165739	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	139363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	74040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	54084	55.004	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.000%			
35) Dibromofluoromethane	7.640	113	47566	52.103	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.200%			
50) Toluene-d8	10.115	98	183793	50.606	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.220%			
62) 4-Bromofluorobenzene	12.414	95	62876	51.825	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 103.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	18836	19.935	ug/l	98
3) Chloromethane	2.074	50	6770	19.212	ug/l	93
4) Vinyl Chloride	2.214	62	7714	17.668	ug/l	89
5) Bromomethane	2.598	94	6509	19.745	ug/l	90
6) Chloroethane	2.745	64	4700	17.944	ug/l	96
7) Trichlorofluoromethane	3.074	101	32224	19.192	ug/l	99
8) Diethyl Ether	3.464	74	8143	20.381	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.830	101	18072	19.606	ug/l	98
10) Methyl Iodide	4.019	142	17304	17.167	ug/l	97
11) Tert butyl alcohol	4.860	59	7980	119.075	ug/l #	84
12) 1,1-Dichloroethene	3.806	96	15688	19.122	ug/l	87
13) Acrolein	3.659	56	2794	135.930	ug/l	97
14) Allyl chloride	4.397	41	18840	19.623	ug/l	96
15) Acrylonitrile	5.068	53	15561	100.820	ug/l	98
16) Acetone	3.885	43	11775	94.398	ug/l	96
17) Carbon Disulfide	4.117	76	37004	18.386	ug/l	99
18) Methyl Acetate	4.397	43	6995	20.720	ug/l	98
19) Methyl tert-butyl Ether	5.135	73	44886	19.629	ug/l	98
20) Methylene Chloride	4.629	84	16773	20.675	ug/l	89
21) trans-1,2-Dichloroethene	5.122	96	16777	18.976	ug/l	91
22) Diisopropyl ether	6.031	45	39231	20.101	ug/l	98
23) Vinyl Acetate	5.970	43	118423	101.585	ug/l	98
24) 1,1-Dichloroethane	5.933	63	28874	19.732	ug/l	97
25) 2-Butanone	6.909	43	17840	105.875	ug/l	98
26) 2,2-Dichloropropane	6.896	77	34412	19.214	ug/l	100
27) cis-1,2-Dichloroethene	6.909	96	20436	19.302	ug/l	99
28) Bromochloromethane	7.256	49	6829	17.648	ug/l	98
29) Tetrahydrofuran	7.268	42	10899	105.377	ug/l	97
30) Chloroform	7.433	83	37760	20.060	ug/l	94
31) Cyclohexane	7.713	56	24445	19.354	ug/l #	90
32) 1,1,1-Trichloroethane	7.628	97	39114	19.385	ug/l	99
36) 1,1-Dichloropropene	7.841	75	23598	19.569	ug/l	98
37) Ethyl Acetate	7.000	43	8566	21.556	ug/l	98
38) Carbon Tetrachloride	7.823	117	39187	19.734	ug/l	99
39) Methylcyclohexane	9.116	83	30514	19.742	ug/l	96
40) Benzene	8.091	78	69851	19.987	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020715.D
Acq On : 26 Dec 2024 14:32
Operator : SY/MD
Sample : VY1226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Quant Time: Dec 26 16:19:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.268	41	11882	59.194	ug/l	#	28
42) 1,2-Dichloroethane	8.165	62	22857	20.396	ug/l		99
43) Isopropyl Acetate	8.207	43	16685	19.754	ug/l	#	90
44) Trichloroethene	8.872	130	20214	19.365	ug/l		96
45) 1,2-Dichloropropane	9.146	63	14072	19.891	ug/l		96
46) Dibromomethane	9.238	93	9956	20.339	ug/l		98
47) Bromodichloromethane	9.433	83	27211	19.608	ug/l		99
48) Methyl methacrylate	9.231	41	7854	19.912	ug/l		96
49) 1,4-Dioxane	9.238	88	2078	445.671	ug/l		95
51) 4-Methyl-2-Pentanone	10.006	43	42819	105.031	ug/l		100
52) Toluene	10.176	92	48544	20.266	ug/l		98
53) t-1,3-Dichloropropene	10.402	75	24065	19.744	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	26207	19.616	ug/l		99
55) 1,1,2-Trichloroethane	10.579	97	12505	20.014	ug/l		94
56) Ethyl methacrylate	10.445	69	16177	19.708	ug/l		97
57) 1,3-Dichloropropane	10.725	76	21343	21.046	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	27555	96.265	ug/l		100
59) 2-Hexanone	10.768	43	28183	104.703	ug/l		98
60) Dibromochloromethane	10.920	129	19953	19.763	ug/l		97
61) 1,2-Dibromoethane	11.024	107	11889	20.222	ug/l		100
64) Tetrachloroethene	10.652	164	19878	20.877	ug/l		97
65) Chlorobenzene	11.451	112	54119	19.832	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.524	131	21666	20.493	ug/l		98
67) Ethyl Benzene	11.524	91	96550	20.244	ug/l		99
68) m/p-Xylenes	11.633	106	75635	41.573	ug/l		97
69) o-Xylene	11.963	106	35970	20.693	ug/l		98
70) Styrene	11.975	104	59026	20.228	ug/l		99
71) Bromoform	12.139	173	12535	20.623	ug/l	#	99
73) Isopropylbenzene	12.261	105	101462	19.780	ug/l		99
74) N-amyl acetate	12.079	43	14718	20.191	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	13746	20.903	ug/l		96
76) 1,2,3-Trichloropropane	12.566	75	19258	40.896	ug/l	#	100
77) Bromobenzene	12.536	156	22761	19.276	ug/l		99
78) n-propylbenzene	12.603	91	114949	19.993	ug/l		99
79) 2-Chlorotoluene	12.688	91	65099	19.862	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	84854	19.855	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	4908	20.601	ug/l		98
82) 4-Chlorotoluene	12.786	91	67579	19.951	ug/l		100
83) tert-Butylbenzene	13.005	119	78963	19.784	ug/l		100
84) 1,2,4-Trimethylbenzene	13.048	105	83301	20.030	ug/l		98
85) sec-Butylbenzene	13.182	105	107364	19.960	ug/l		100
86) p-Isopropyltoluene	13.298	119	94876	19.792	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	45455	19.696	ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	45797	19.948	ug/l		98
89) n-Butylbenzene	13.627	91	79827	19.949	ug/l		98
90) Hexachloroethane	13.889	117	17599	19.307	ug/l		98
91) 1,2-Dichlorobenzene	13.670	146	40158	20.294	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	2581	20.237	ug/l		94
93) 1,2,4-Trichlorobenzene	14.926	180	23946	19.039	ug/l		98
94) Hexachlorobutadiene	15.029	225	18496	20.177	ug/l		98
95) Naphthalene	15.151	128	40300	20.005	ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	21103	20.151	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020715.D
Acq On : 26 Dec 2024 14:32
Operator : SY/MD
Sample : VY1226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Quant Time: Dec 26 16:19:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

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

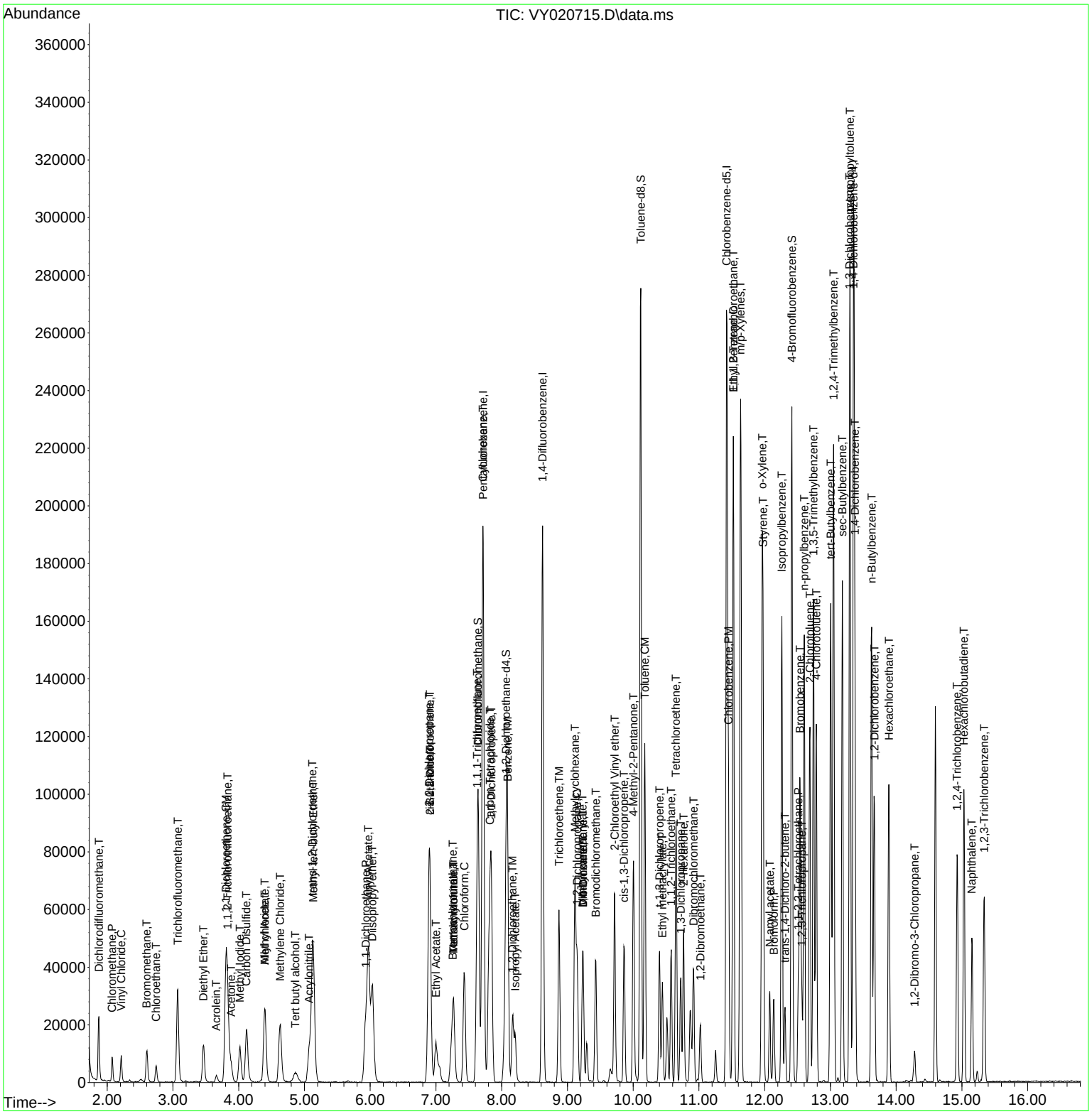
(#) = qualifier out of range (m) = manual integration (+) = signals summed

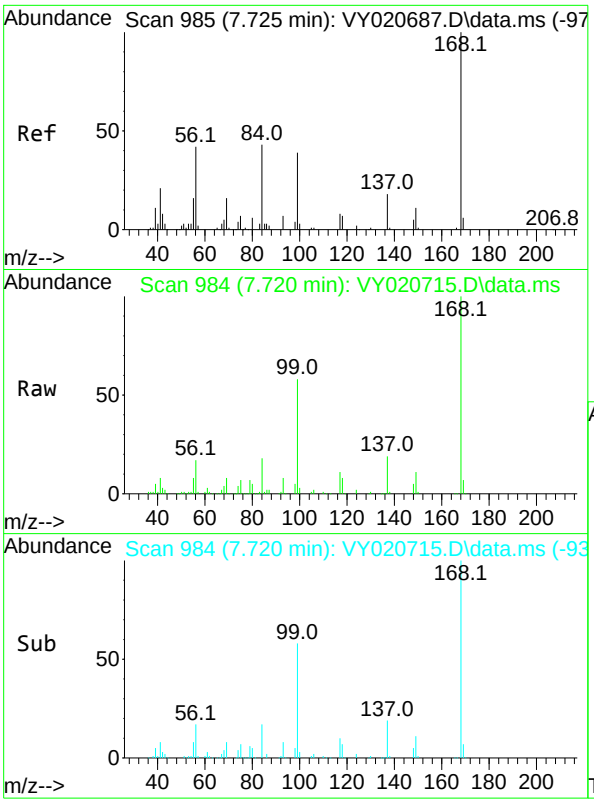
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020715.D
Acq On : 26 Dec 2024 14:32
Operator : SY/MD
Sample : VY1226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Quant Time: Dec 26 16:19:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration



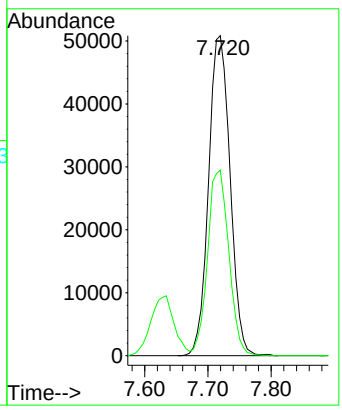


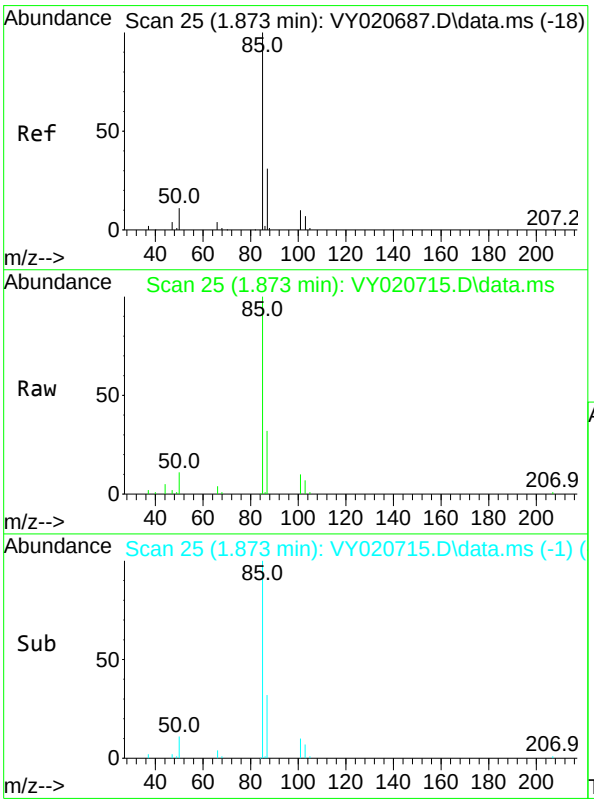
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 9
Delta R.T. -0.005 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion:168 Resp: 120044

Ion	Ratio	Lower	Upper
168	100		
99	58.0	43.8	65.6

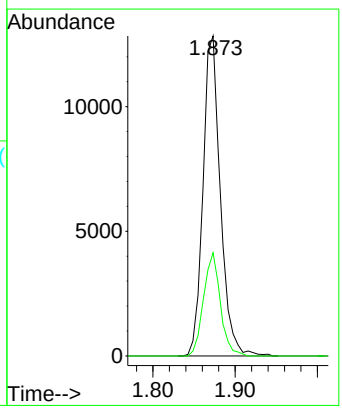


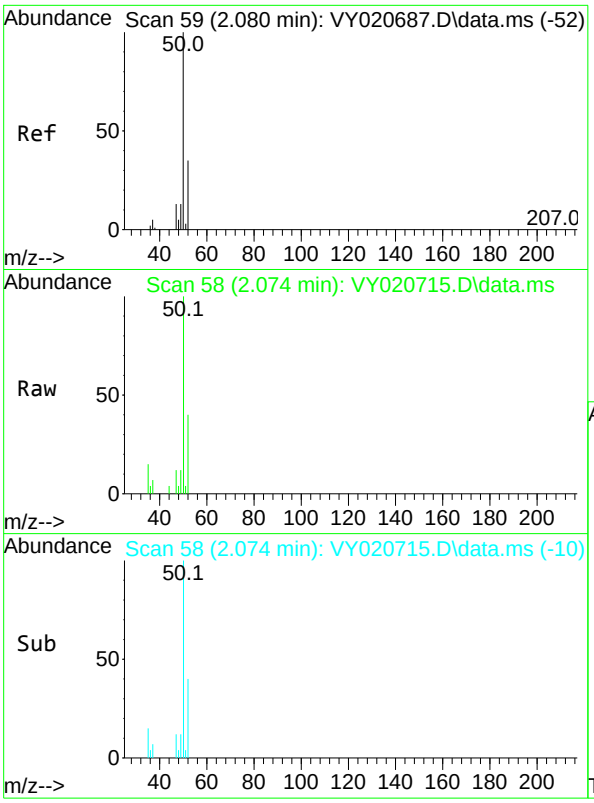


#2
Dichlorodifluoromethane
Concen: 19.935 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 85 Resp: 18836

Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.4	46.4



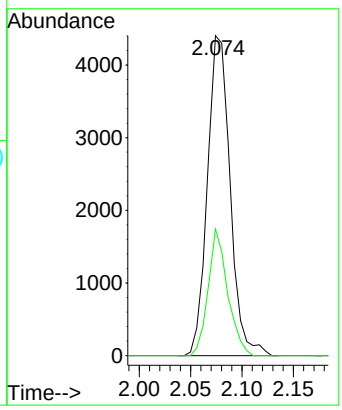


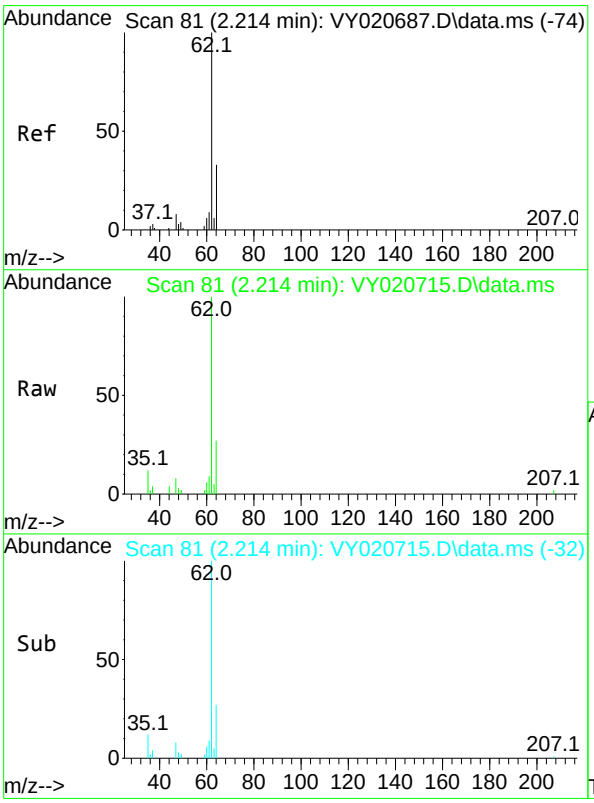
#3
Chloromethane
Concen: 19.212 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 50 Resp: 6770

Ion	Ratio	Lower	Upper
50	100		
52	39.6	28.2	42.2

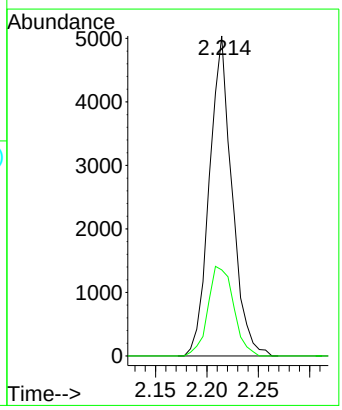


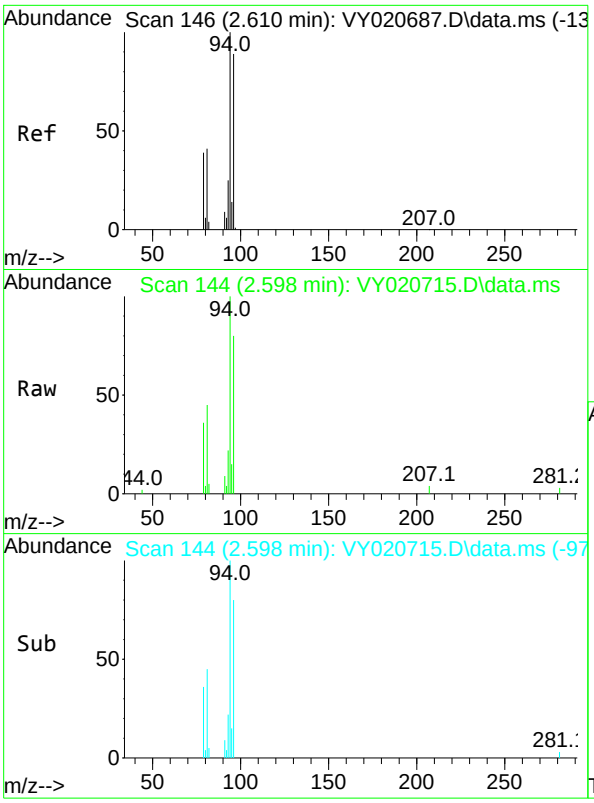


#4
Vinyl Chloride
Concen: 17.668 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 62 Resp: 7714

Ion	Ratio	Lower	Upper
62	100		
64	26.9	26.6	40.0



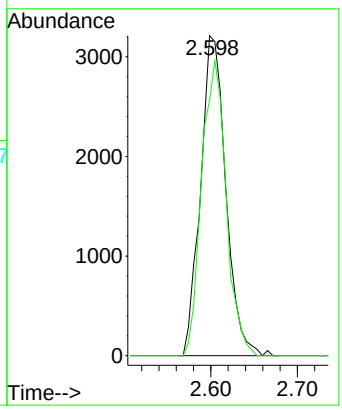


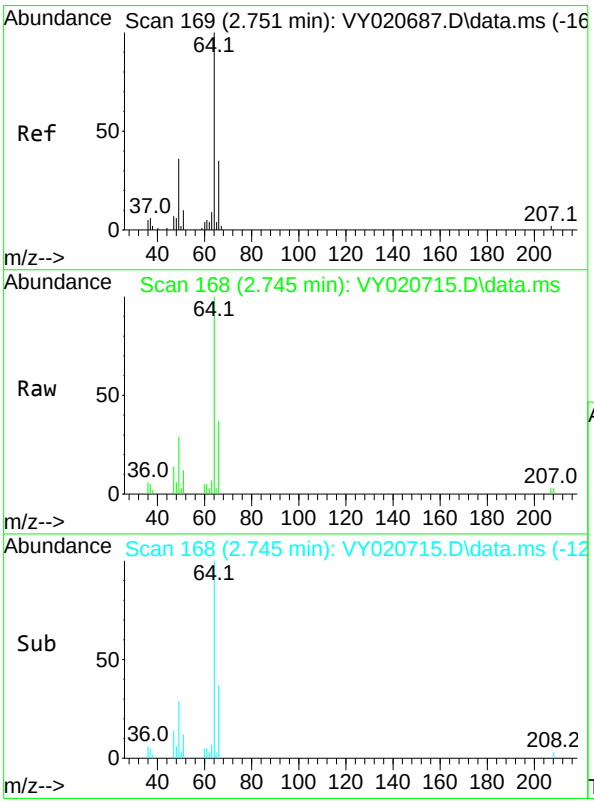
#5
Bromomethane
Concen: 19.745 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 94 Resp: 6509

Ion	Ratio	Lower	Upper
94	100		
96	79.7	71.0	106.6

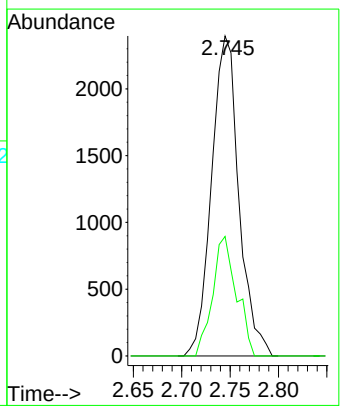


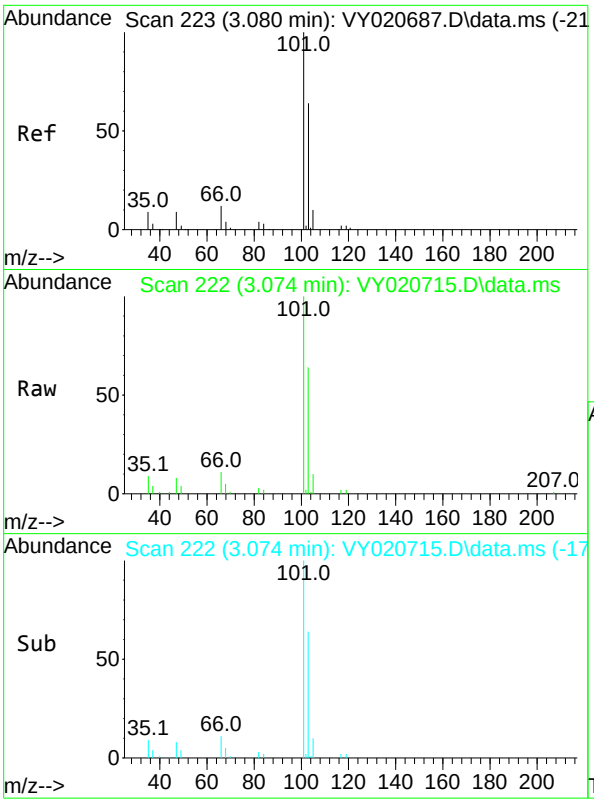


#6
Chloroethane
Concen: 17.944 ug/l
RT: 2.745 min Scan# 168
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 64 Resp: 4700

Ion	Ratio	Lower	Upper
64	100		
66	37.4	27.8	41.8



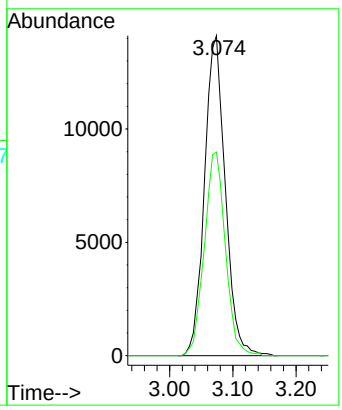


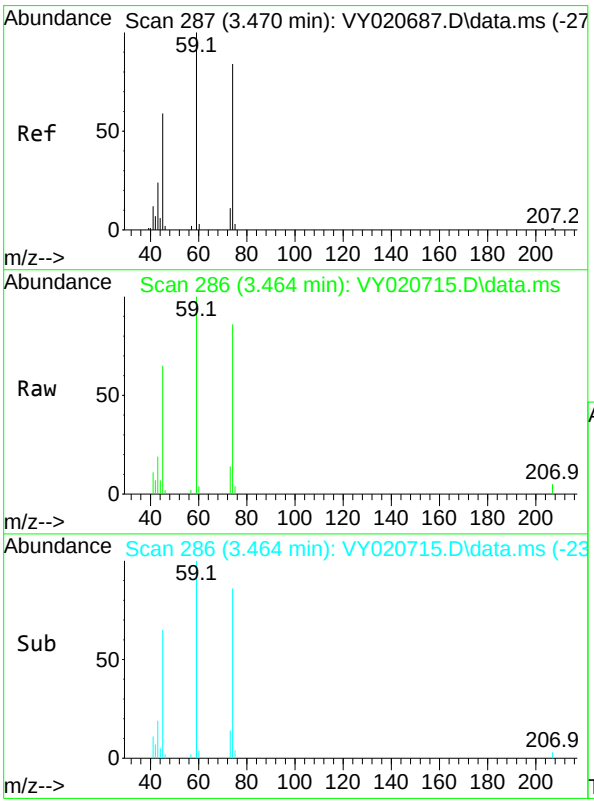
#7
Trichlorofluoromethane
Concen: 19.192 ug/l
RT: 3.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion:101 Resp: 32224

Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.4	77.0

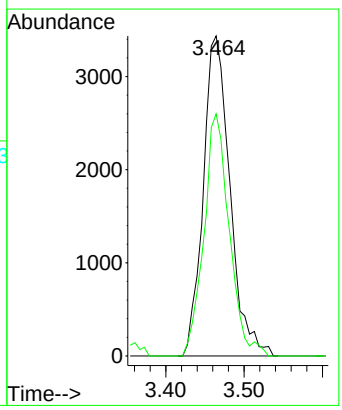


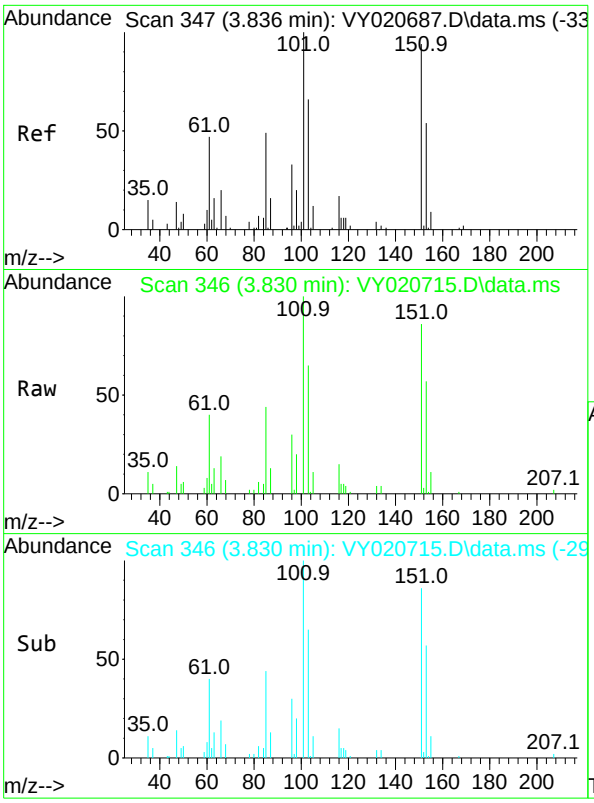


#8
Diethyl Ether
Concen: 20.381 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 74 Resp: 8143

Ion	Ratio	Lower	Upper
74	100		
45	71.7	35.8	107.4



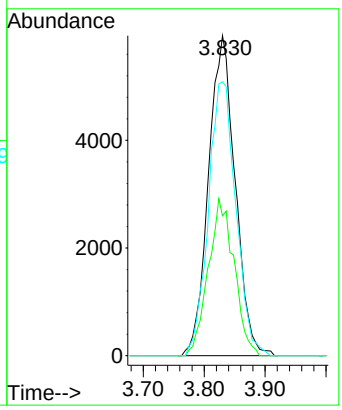


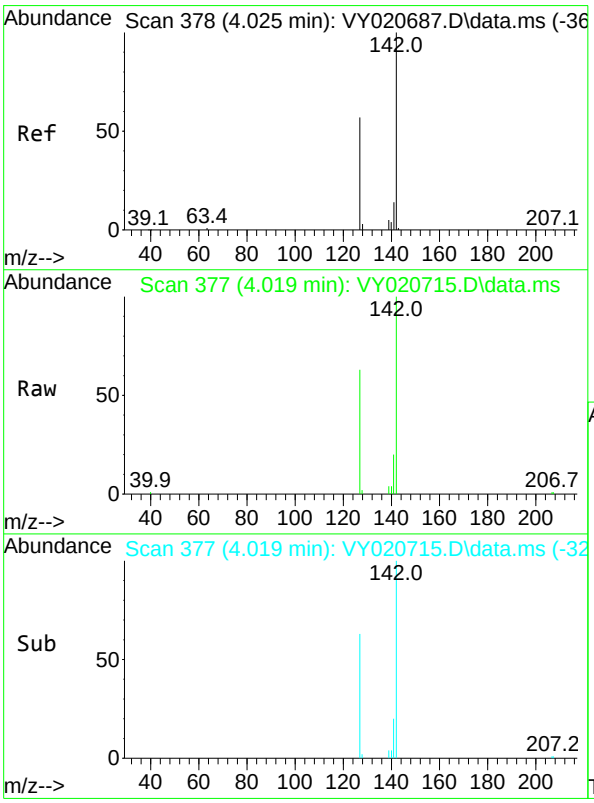
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.606 ug/l
RT: 3.830 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion:101 Resp: 18072

Ion	Ratio	Lower	Upper
101	100		
85	47.5	38.2	57.2
151	88.4	68.4	102.6

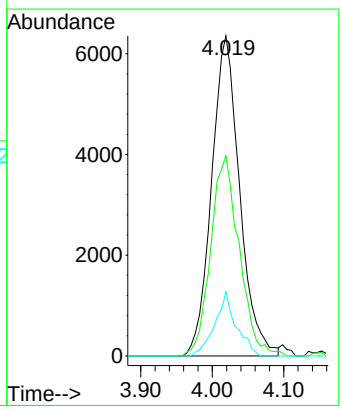


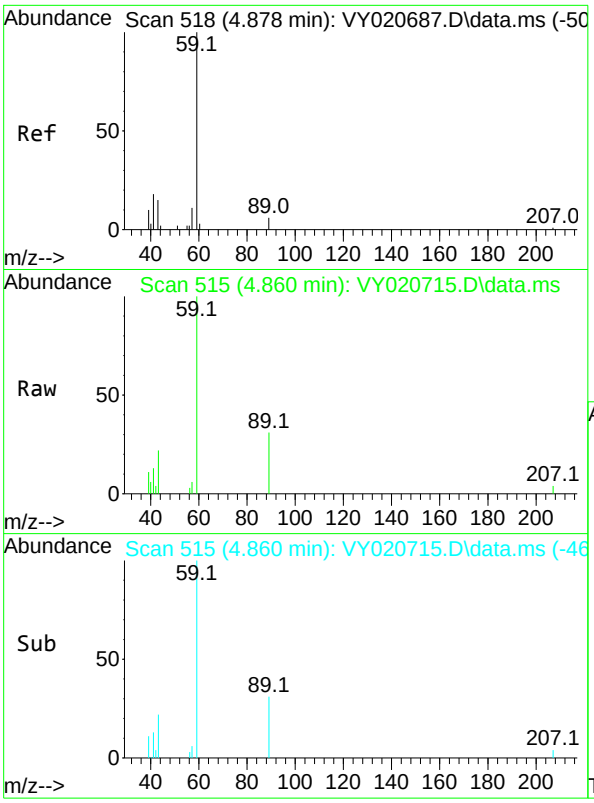


#10
Methyl Iodide
Concen: 17.167 ug/l
RT: 4.019 min Scan# 377
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:142 Resp: 17304

Ion	Ratio	Lower	Upper
142	100		
127	63.5	48.8	73.2
141	15.3	11.9	17.9



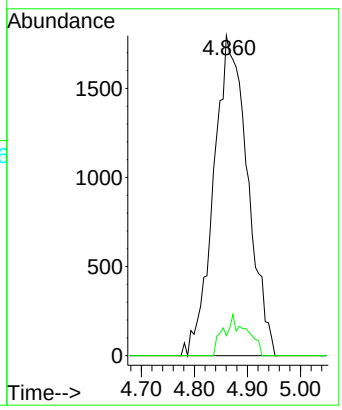


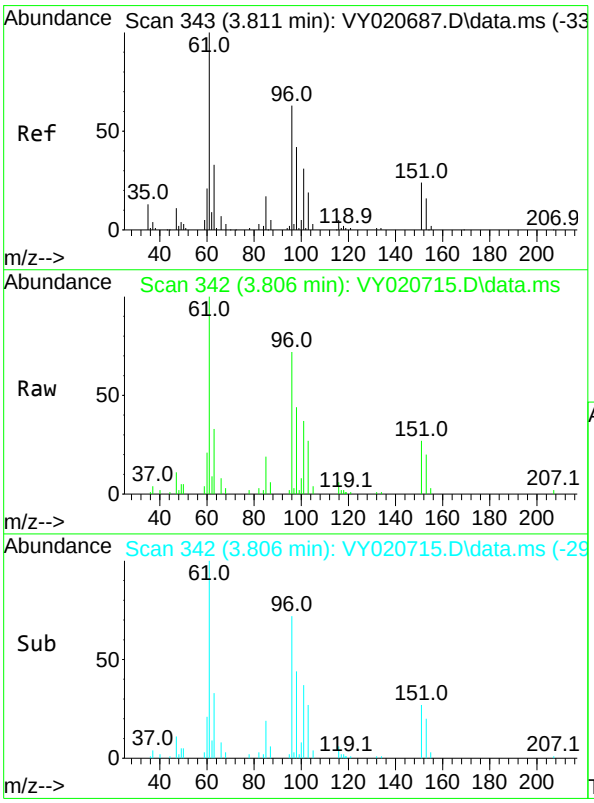
#11
Tert butyl alcohol
Concen: 119.075 ug/l
RT: 4.860 min Scan# 5
Delta R.T. -0.018 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 59 Resp: 7980

Ion	Ratio	Lower	Upper
59	100		
57	8.7	2.8	4.2#

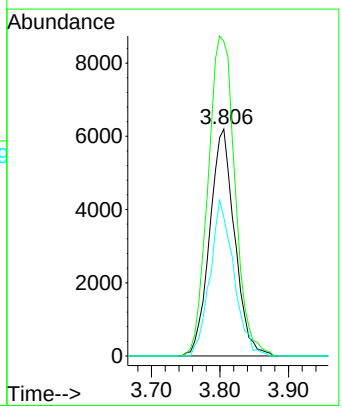


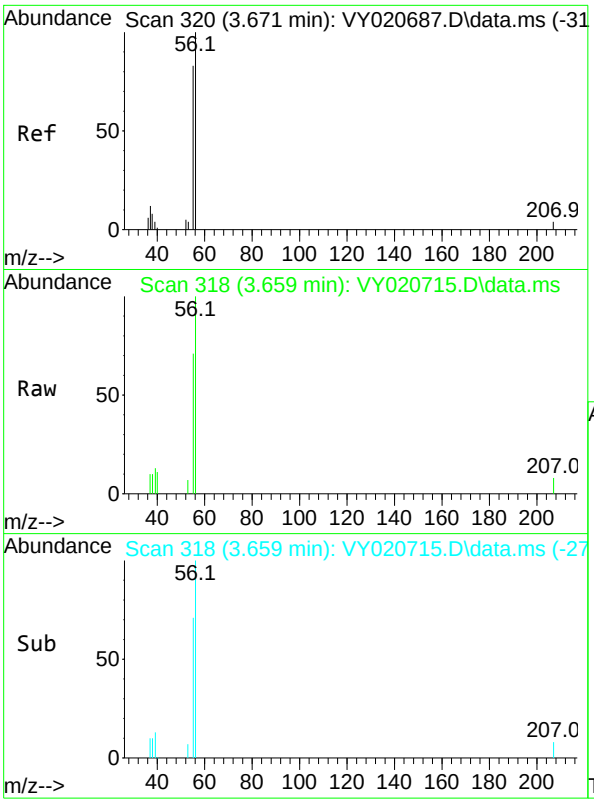


#12
1,1-Dichloroethene
Concen: 19.122 ug/l
RT: 3.806 min Scan# 342
Delta R.T. -0.005 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 96 Resp: 15688

Ion	Ratio	Lower	Upper
96	100		
61	138.6	127.1	190.7
98	61.2	53.4	80.0



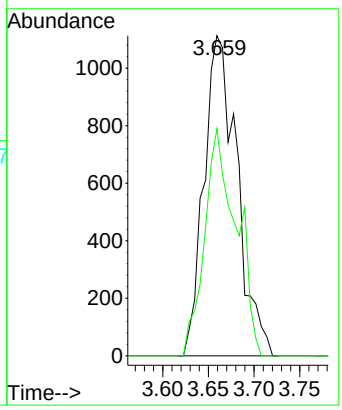


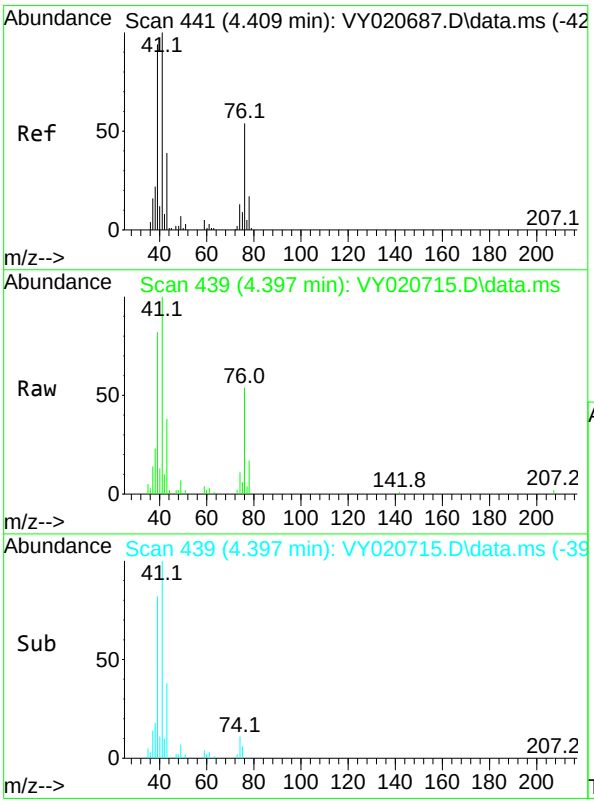
#13
Acrolein
Concen: 135.930 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 56 Resp: 2794

Ion	Ratio	Lower	Upper
56	100		
55	68.4	57.0	85.4

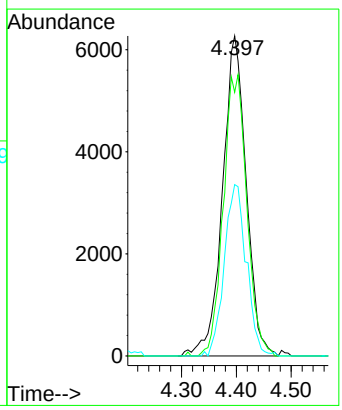


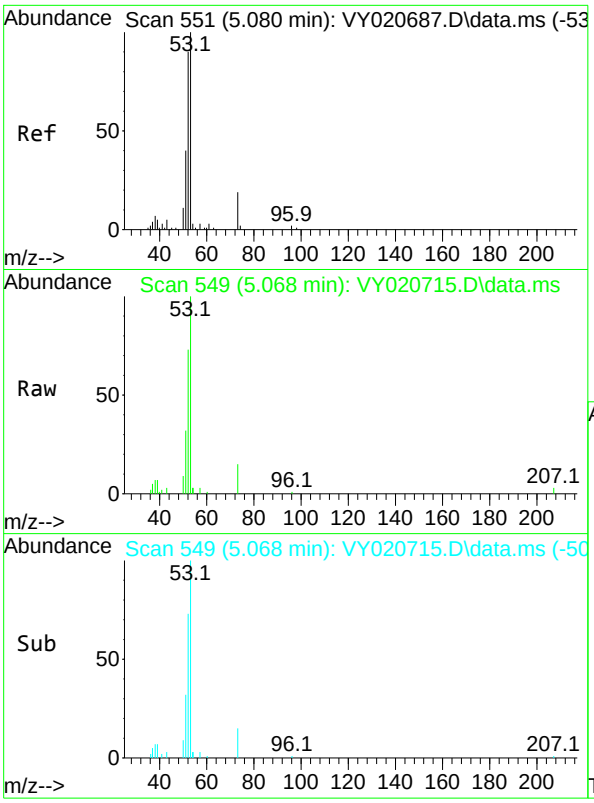


#14
Allyl chloride
Concen: 19.623 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.012 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 41 Resp: 18840

Ion	Ratio	Lower	Upper
41	100		
39	87.1	73.5	110.3
76	50.0	41.8	62.8



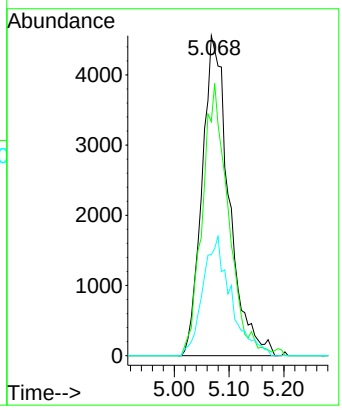


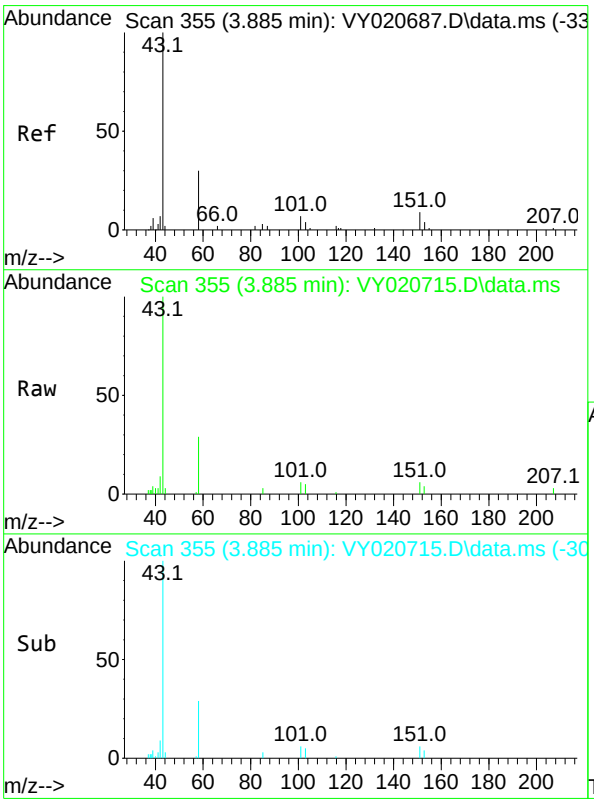
#15
Acrylonitrile
Concen: 100.820 ug/l
RT: 5.068 min Scan# 54
Delta R.T. -0.012 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 53 Resp: 15561

Ion	Ratio	Lower	Upper
53	100		
52	82.1	67.1	100.7
51	38.8	31.4	47.0

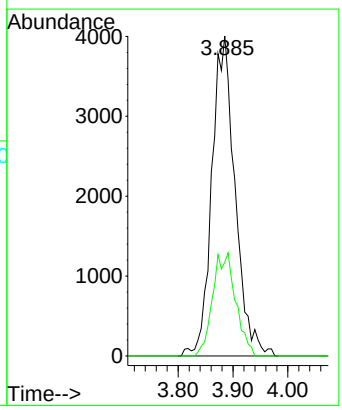


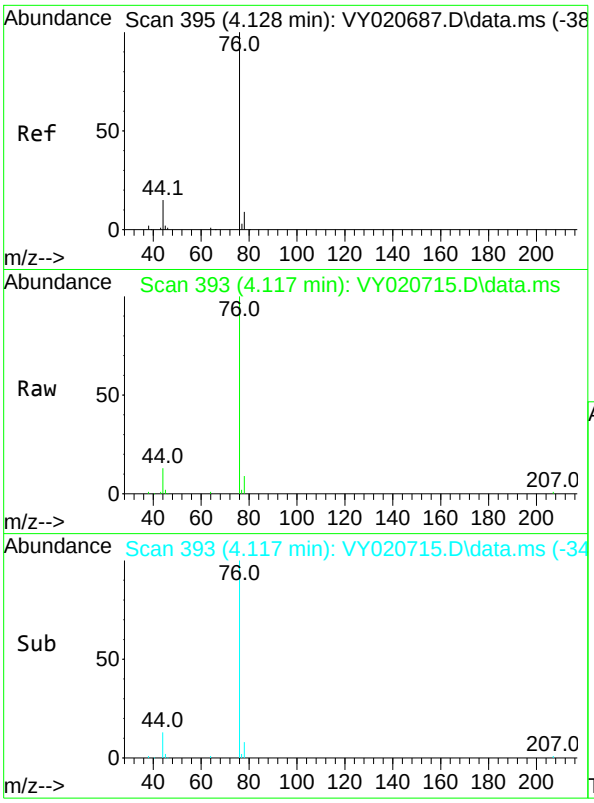


#16
Acetone
Concen: 94.398 ug/l
RT: 3.885 min Scan# 355
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 43 Resp: 11775

Ion	Ratio	Lower	Upper
43	100		
58	29.3	25.0	37.6



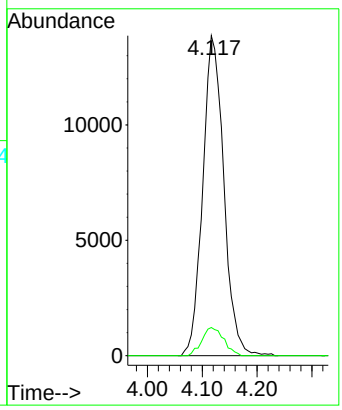


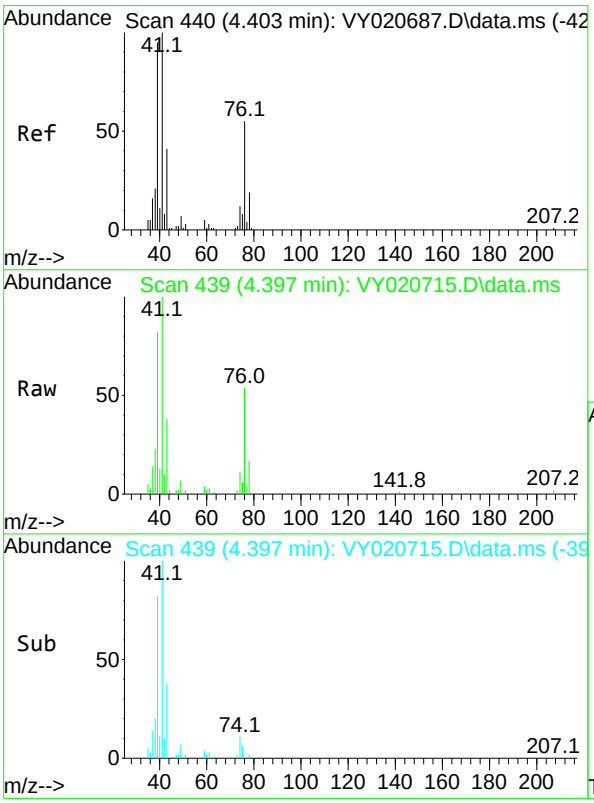
#17
Carbon Disulfide
Concen: 18.386 ug/l
RT: 4.117 min Scan# 3
Delta R.T. -0.011 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 76 Resp: 37004

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.9	10.3

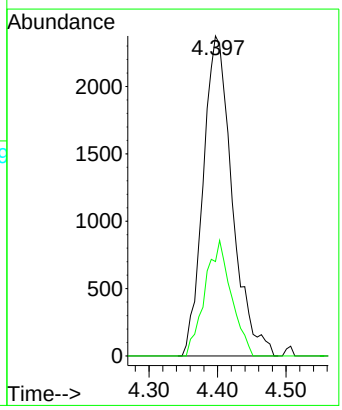


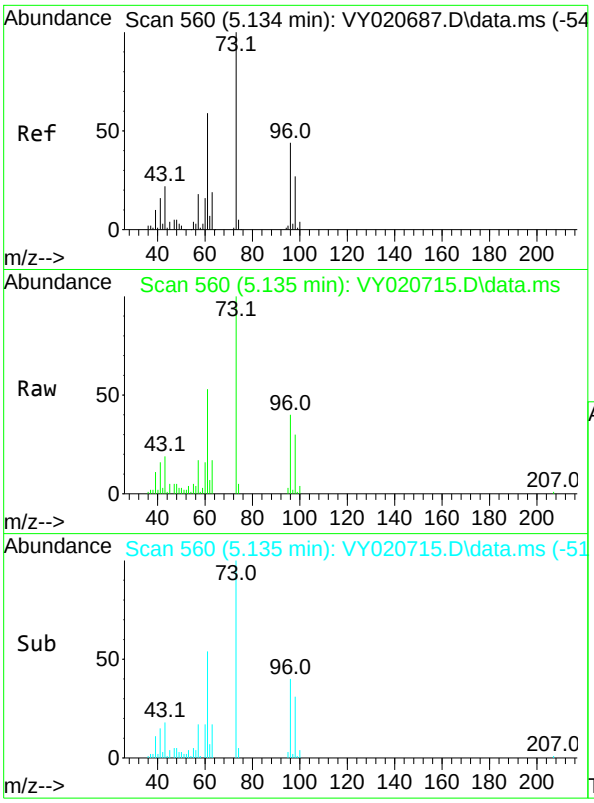


#18
Methyl Acetate
Concen: 20.720 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 43 Resp: 6995

Ion	Ratio	Lower	Upper
43	100		
74	32.8	25.3	37.9



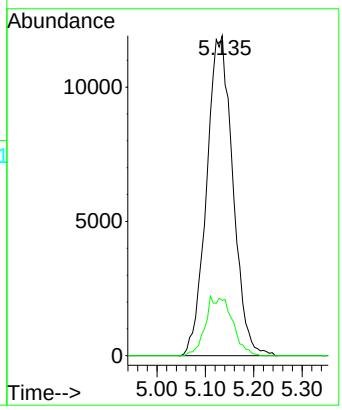


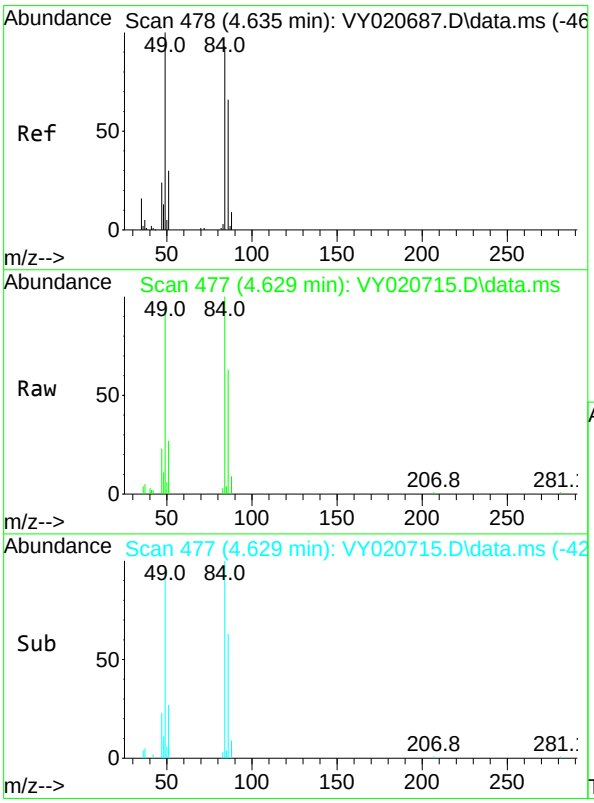
#19
Methyl tert-butyl Ether
Concen: 19.629 ug/l
RT: 5.135 min Scan# 5
Delta R.T. 0.001 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 73 Resp: 44886

Ion	Ratio	Lower	Upper
73	100		
57	17.3	14.4	21.6

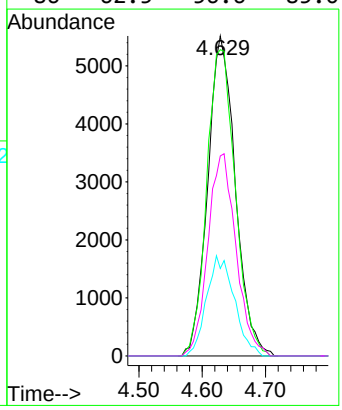


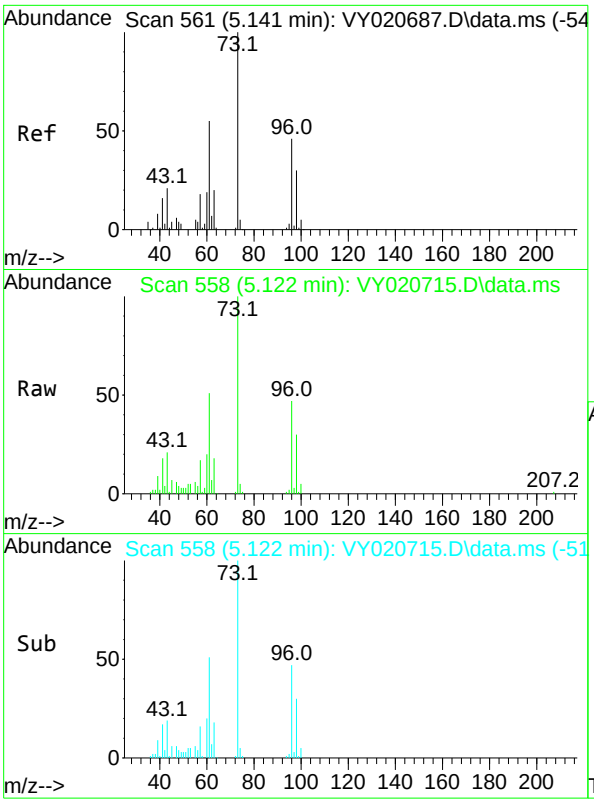


#20
Methylene Chloride
Concen: 20.675 ug/l
RT: 4.629 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 84 Resp: 16773

Ion	Ratio	Lower	Upper
84	100		
49	95.7	86.4	129.6
51	27.3	25.5	38.3
86	62.5	56.6	85.0



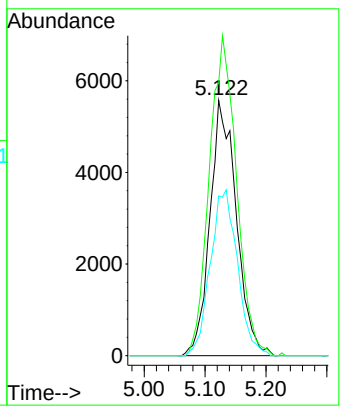


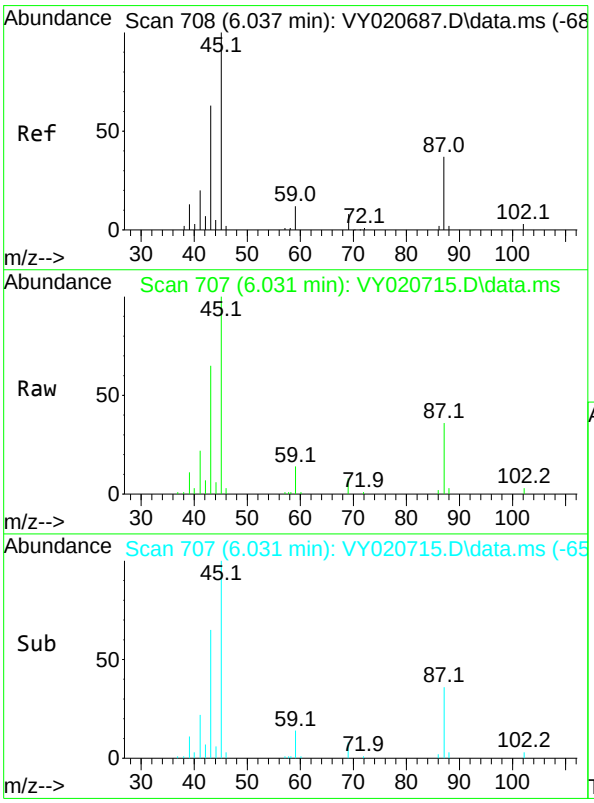
#21
trans-1,2-Dichloroethene
Concen: 18.976 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.019 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 96 Resp: 16777

Ion	Ratio	Lower	Upper
96	100		
61	106.8	96.1	144.1
98	62.6	52.7	79.1

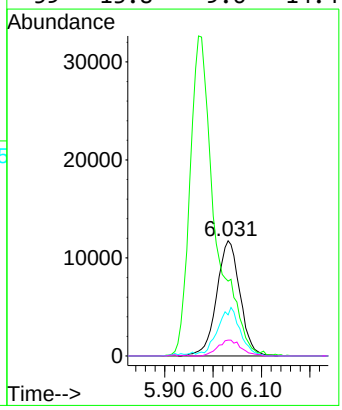


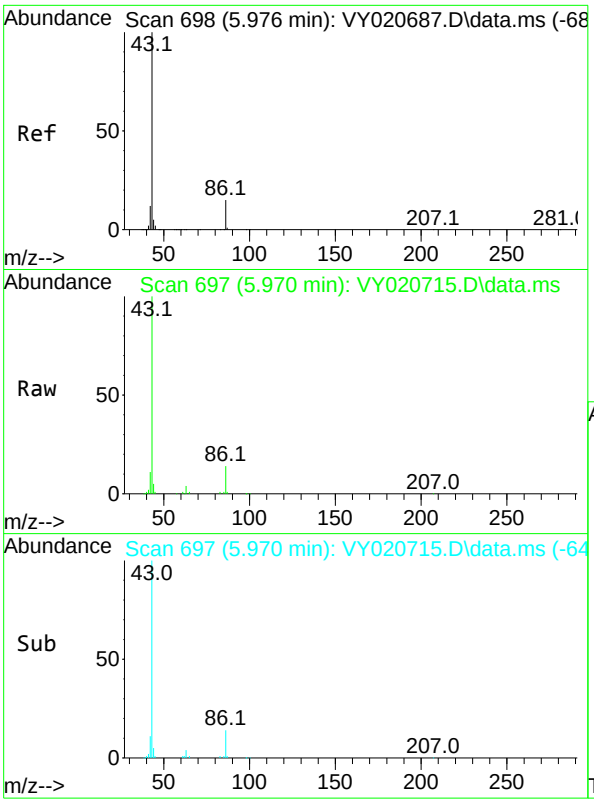


#22
Diisopropyl ether
Concen: 20.101 ug/l
RT: 6.031 min Scan# 707
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 45 Resp: 39231

Ion	Ratio	Lower	Upper
45	100		
43	64.1	51.3	76.9
87	35.7	30.6	46.0
59	13.8	9.6	14.4



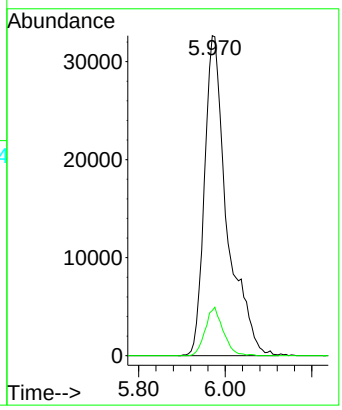


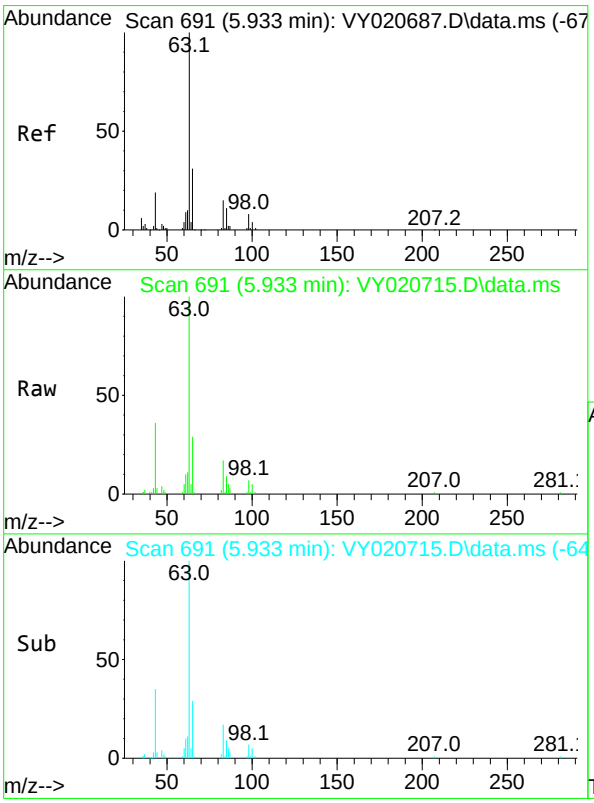
#23
Vinyl Acetate
Concen: 101.585 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 43 Resp: 118423

Ion	Ratio	Lower	Upper
43	100		
86	14.1	12.0	18.0

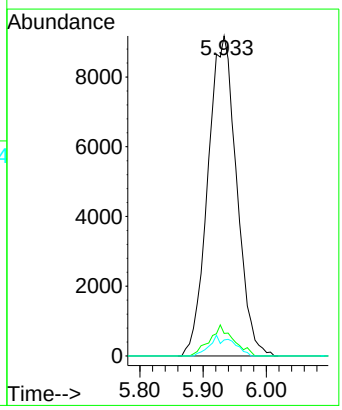


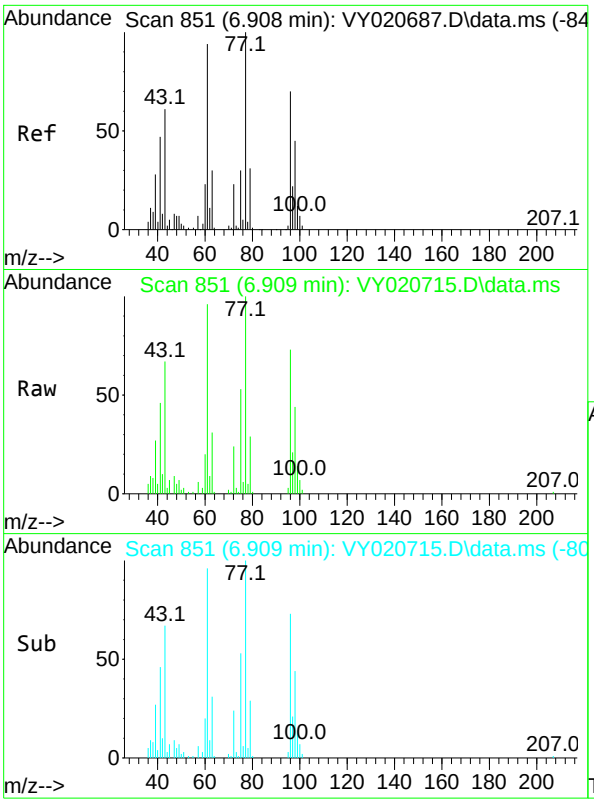


#24
1,1-Dichloroethane
Concen: 19.732 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 63 Resp: 28874

Ion	Ratio	Lower	Upper
63	100		
98	7.0	4.0	12.0
100	5.0	2.1	6.2



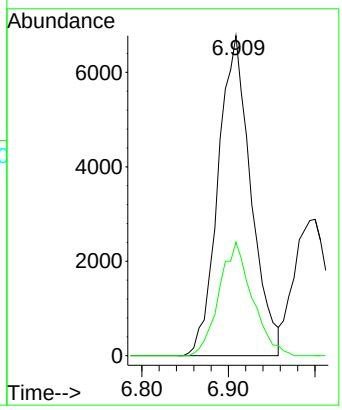


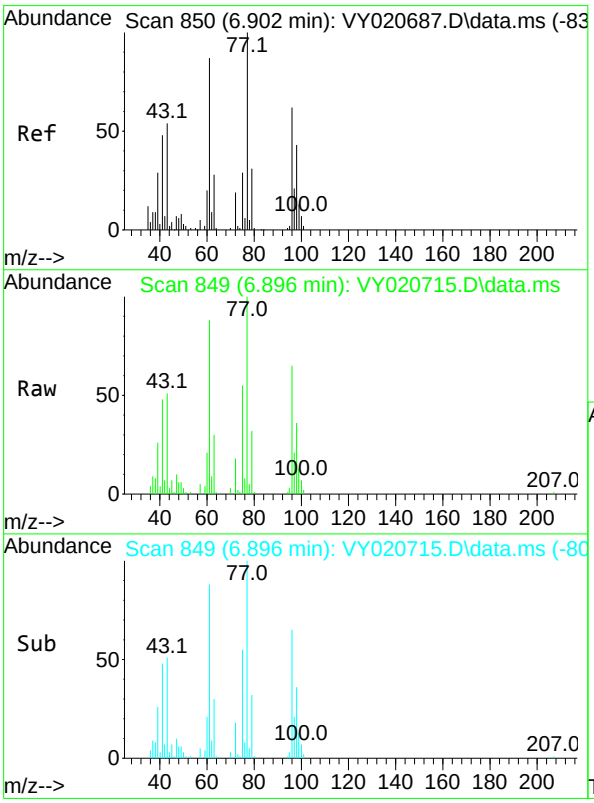
#25
2-Butanone
Concen: 105.875 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.001 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 43 Resp: 17840

Ion	Ratio	Lower	Upper
43	100		
72	35.5	29.5	44.3

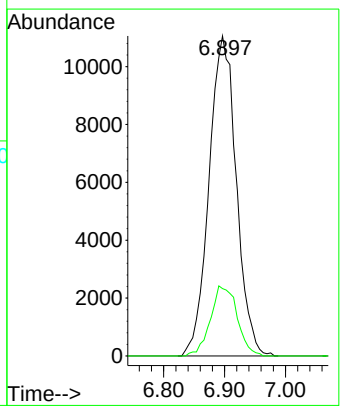


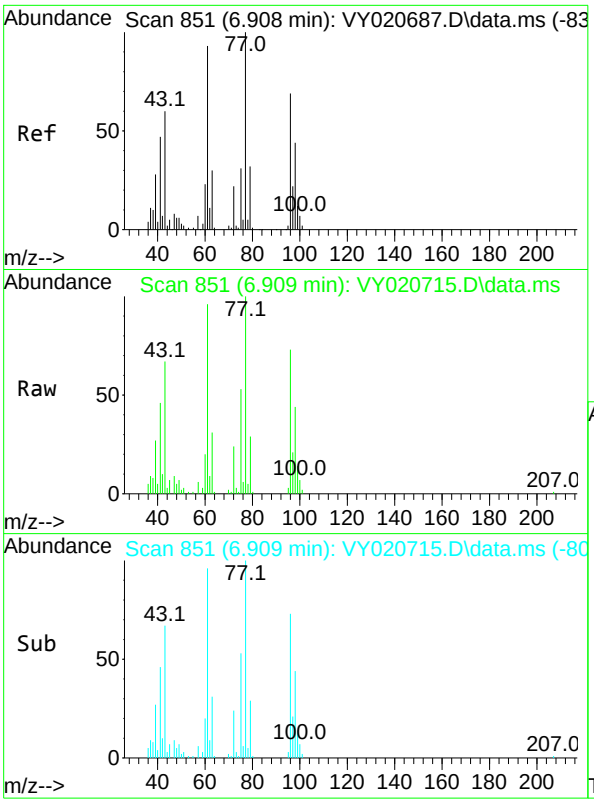


#26
2,2-Dichloropropane
Concen: 19.214 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 77 Resp: 34412

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.8	32.4



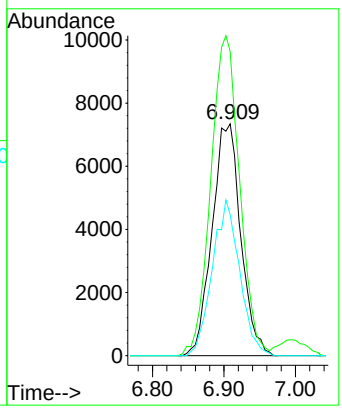


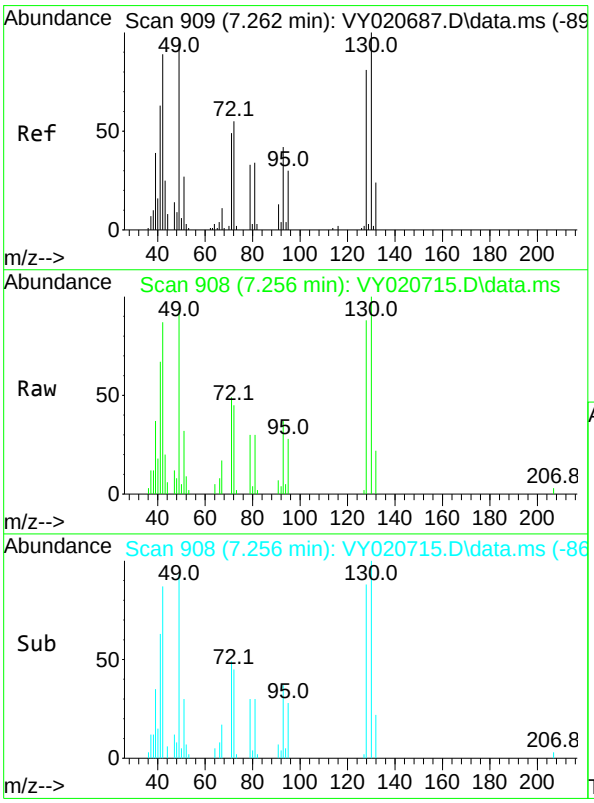
#27
cis-1,2-Dichloroethene
Concen: 19.302 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.001 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 96 Resp: 20436

Ion	Ratio	Lower	Upper
96	100		
61	138.7	0.0	277.2
98	64.2	0.0	131.0

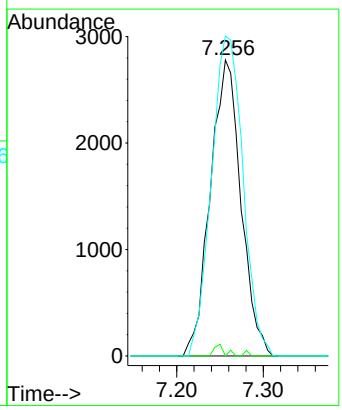


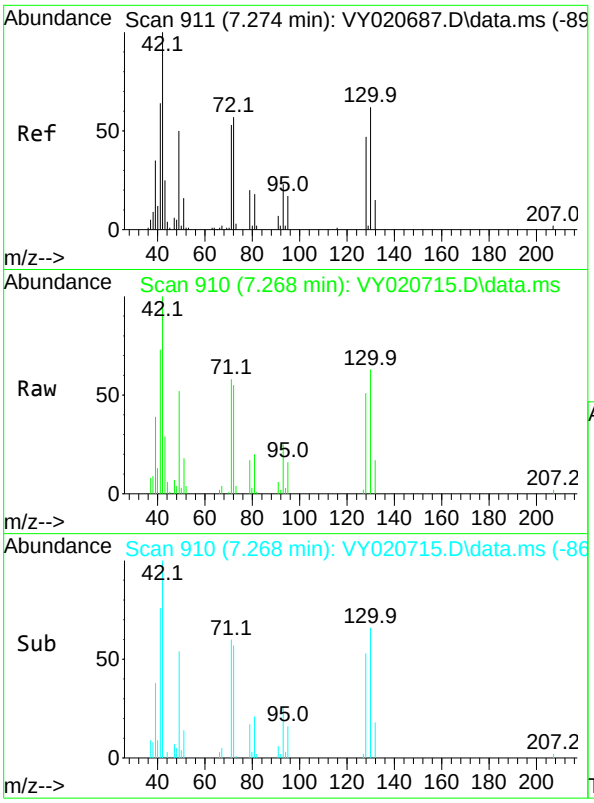


#28
Bromochloromethane
Concen: 17.648 ug/l
RT: 7.256 min Scan# 908
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 49 Resp: 6829

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	5.4
130	111.4	87.2	130.8



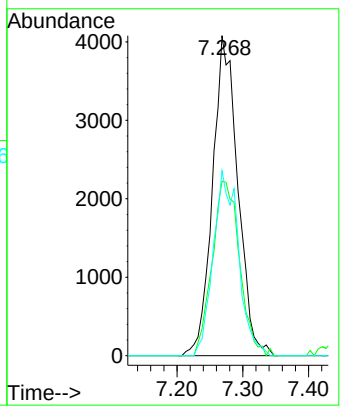


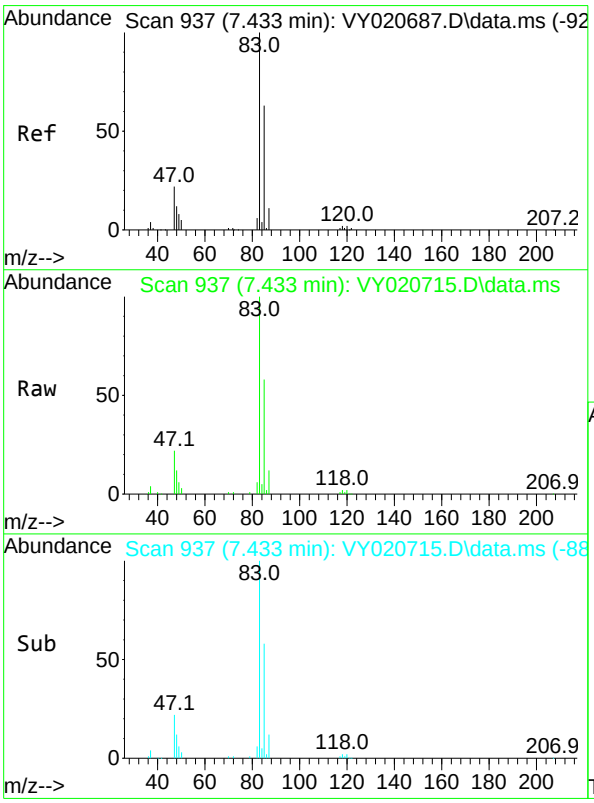
#29
Tetrahydrofuran
Concen: 105.377 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 42 Resp: 10899

Ion	Ratio	Lower	Upper
42	100		
72	59.1	47.4	71.0
71	57.6	42.8	64.2

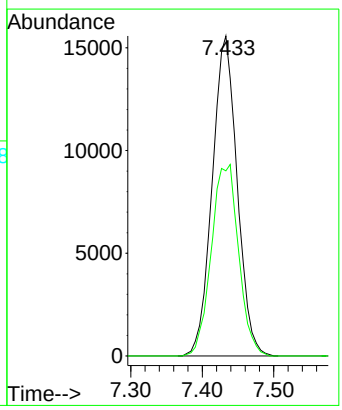


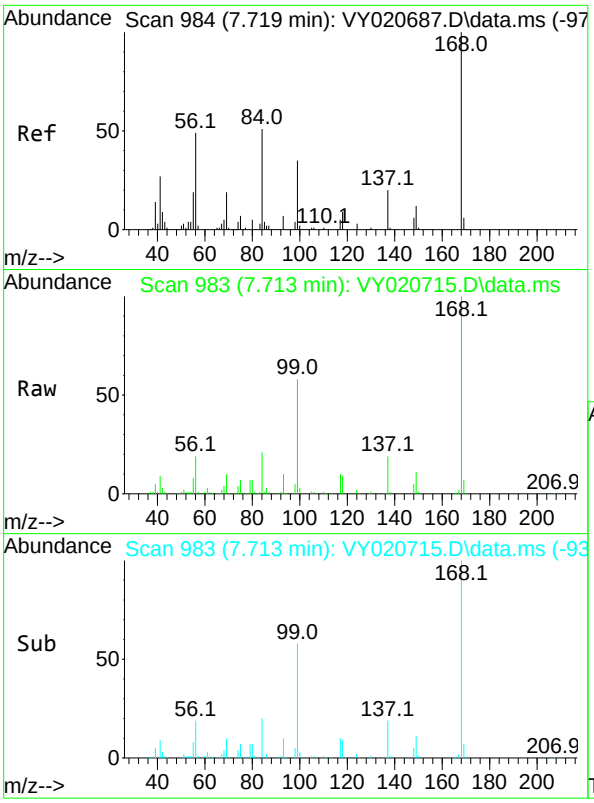


#30
Chloroform
Concen: 20.060 ug/l
RT: 7.433 min Scan# 937
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 83 Resp: 37760

Ion	Ratio	Lower	Upper
83	100		
85	57.8	50.2	75.2



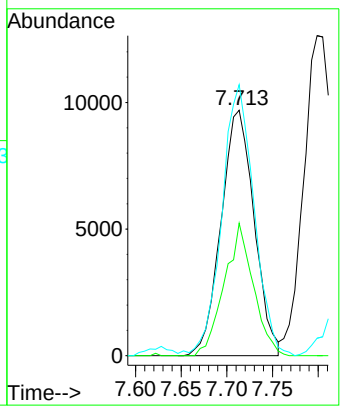


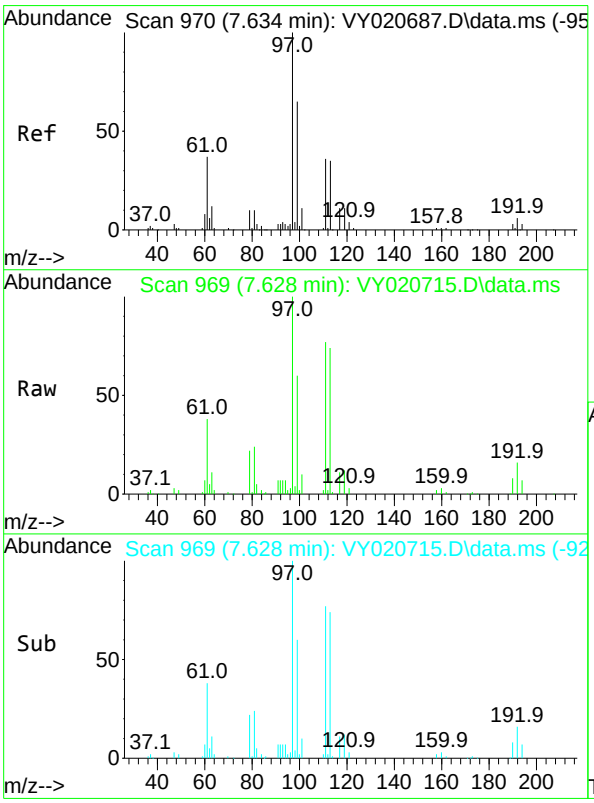
#31
Cyclohexane
Concen: 19.354 ug/l
RT: 7.713 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 56 Resp: 24445

Ion	Ratio	Lower	Upper
56	100		
69	54.0	31.3	46.9#
84	109.5	83.9	125.9

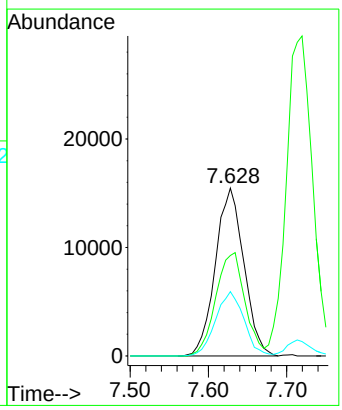


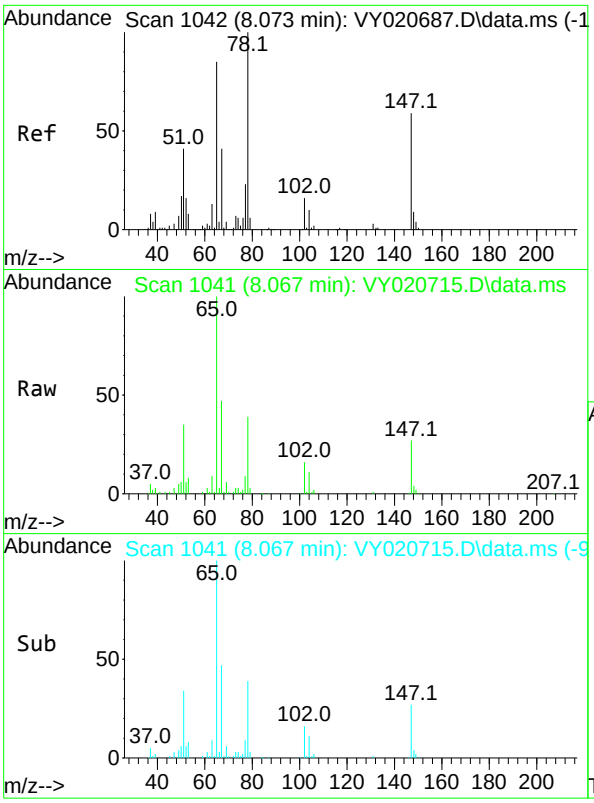


#32
1,1,1-Trichloroethane
Concen: 19.385 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 97 Resp: 39114

Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.0	76.6
61	38.2	30.0	45.0



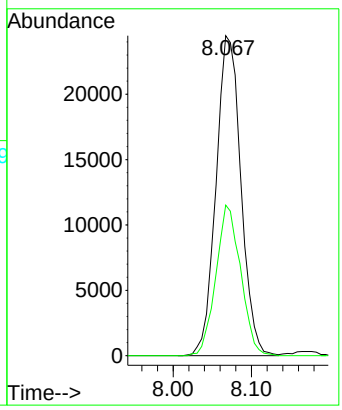


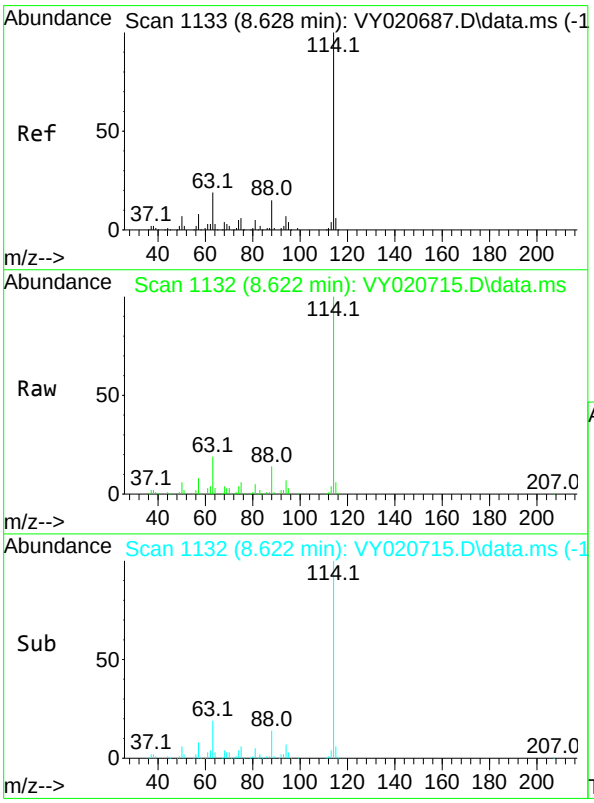
#33
1,2-Dichloroethane-d4
Concen: 55.004 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 65 Resp: 54084

Ion	Ratio	Lower	Upper
65	100		
67	46.8	0.0	98.0

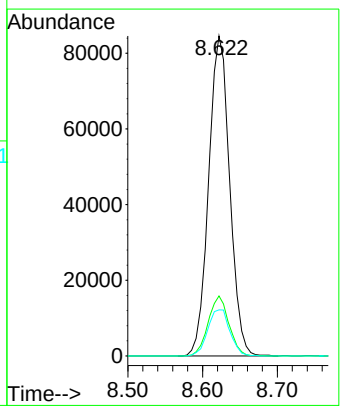


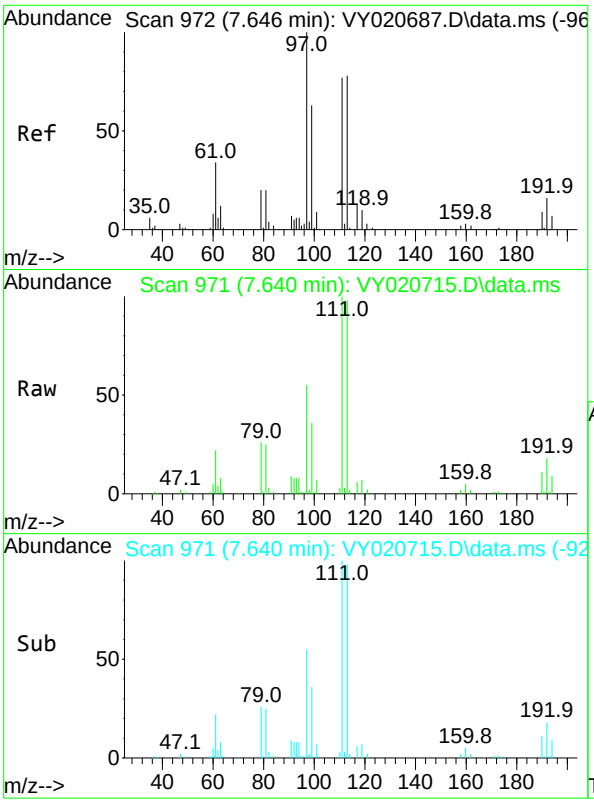


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:114 Resp: 165739

Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	38.4
88	14.4	0.0	30.4



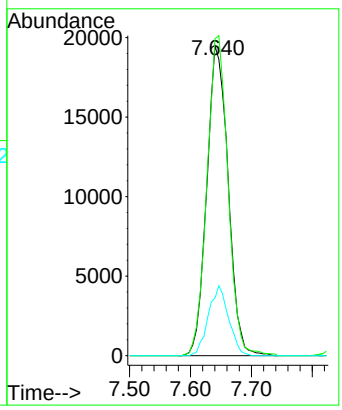


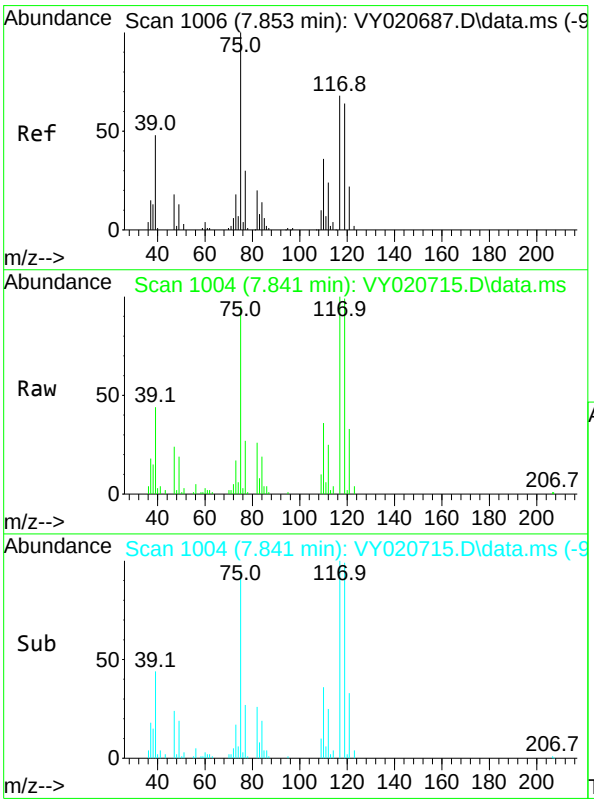
#35
Dibromofluoromethane
Concen: 52.103 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion:113 Resp: 47566

Ion	Ratio	Lower	Upper
113	100		
111	101.7	79.8	119.8
192	21.3	17.0	25.6

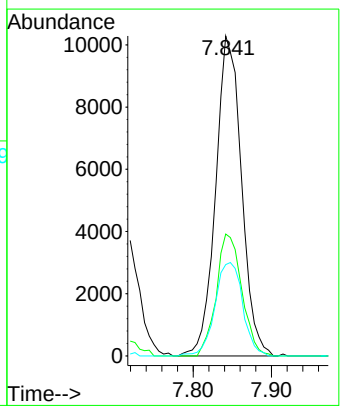


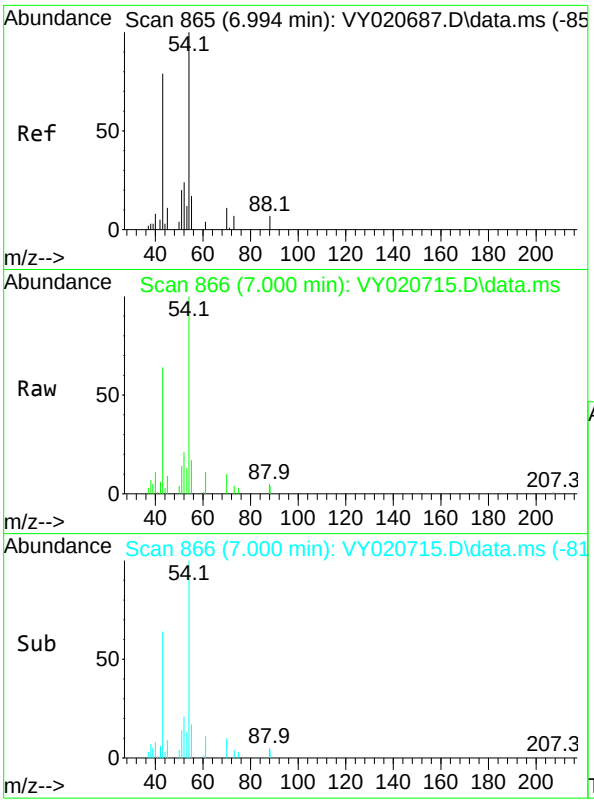


#36
1,1-Dichloropropene
Concen: 19.569 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.012 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 75 Resp: 23598

Ion	Ratio	Lower	Upper
75	100		
110	37.5	19.6	58.7
77	31.3	25.1	37.7



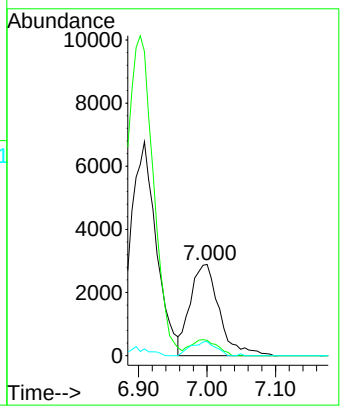


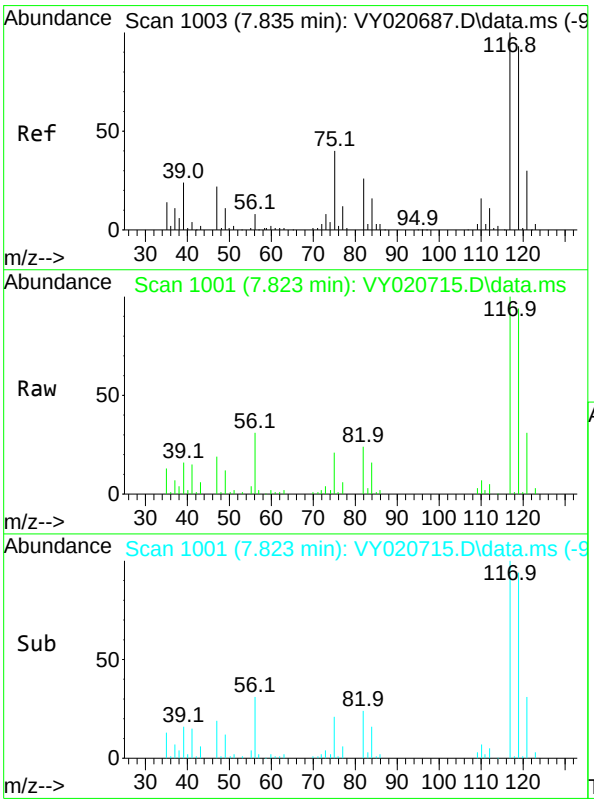
#37
Ethyl Acetate
Concen: 21.556 ug/l
RT: 7.000 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 43 Resp: 8566

Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.7	17.5
70	13.2	11.0	16.4

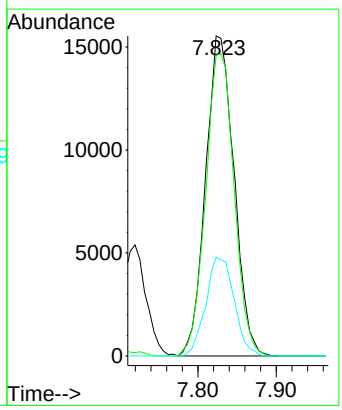


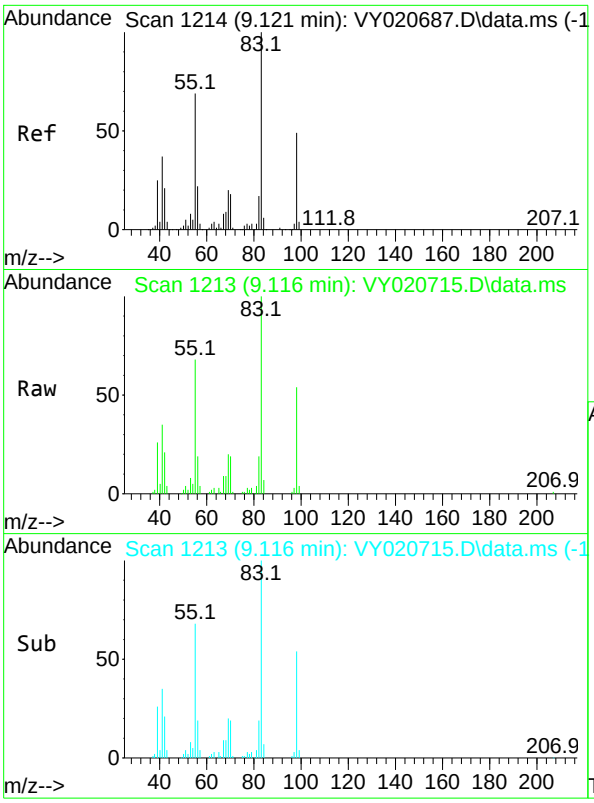


#38
Carbon Tetrachloride
Concen: 19.734 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.012 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:117 Resp: 39187

Ion	Ratio	Lower	Upper
117	100		
119	93.9	74.4	111.6
121	30.9	24.2	36.2



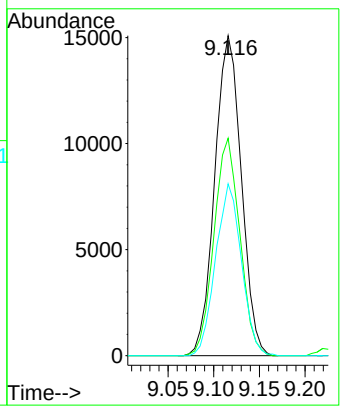


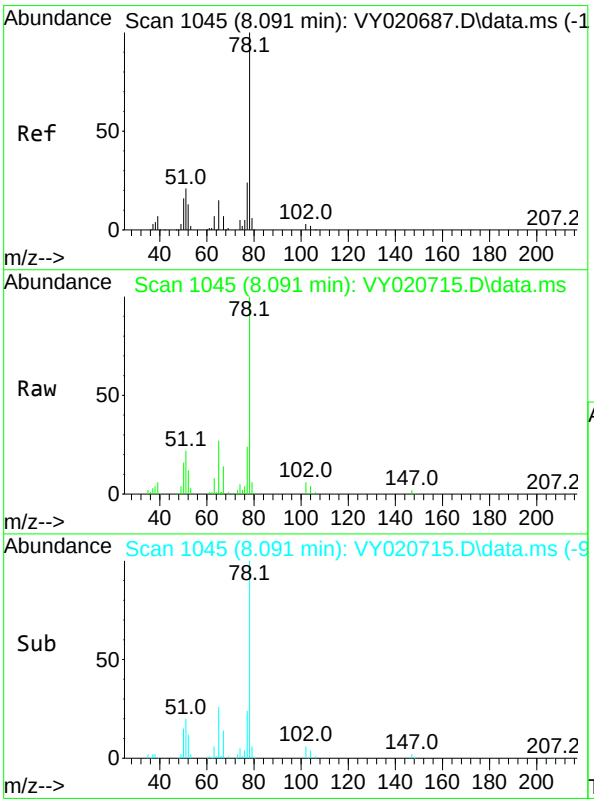
#39
Methylcyclohexane
Concen: 19.742 ug/l
RT: 9.116 min Scan# 1
Delta R.T. -0.005 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 83 Resp: 30514

Ion	Ratio	Lower	Upper
83	100		
55	68.0	55.0	82.4
98	53.7	39.0	58.6

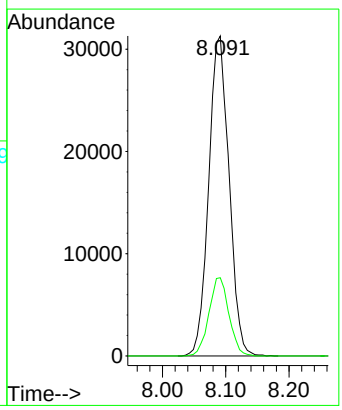


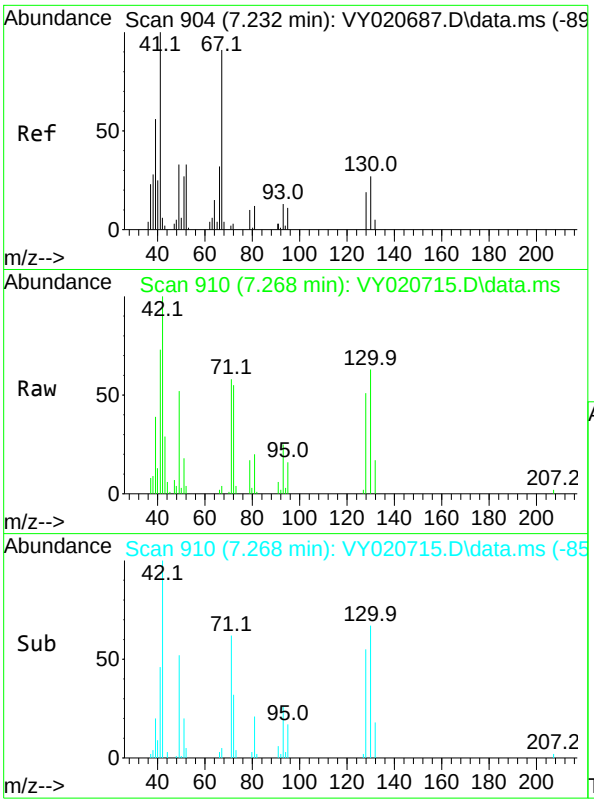


#40
Benzene
Concen: 19.987 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 78 Resp: 69851

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.2	28.8



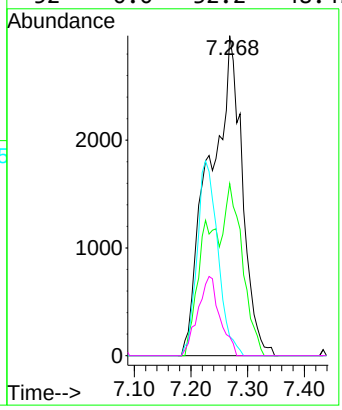


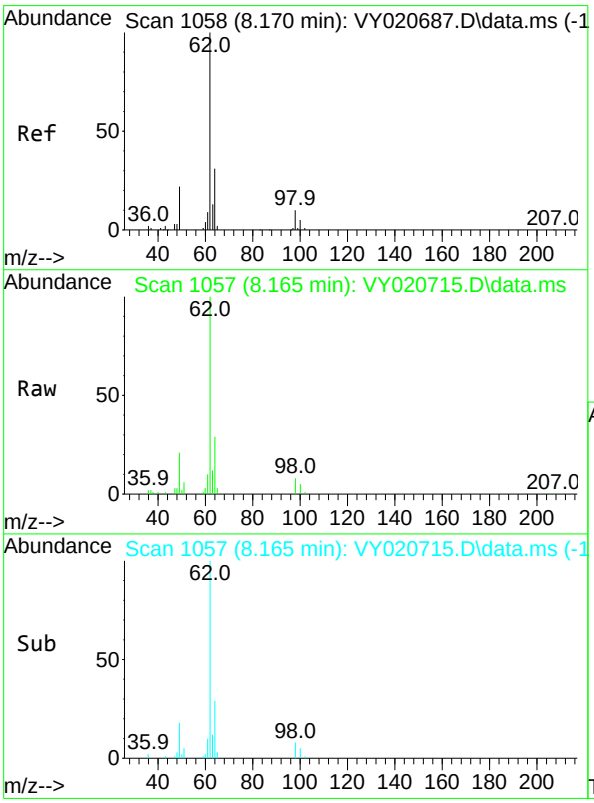
#41
Methacrylonitrile
Concen: 59.194 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.036 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 41 Resp: 11882

Ion	Ratio	Lower	Upper
41	100		
39	31.3	46.6	70.0#
67	0.0	74.7	112.1#
52	0.0	32.2	48.4#

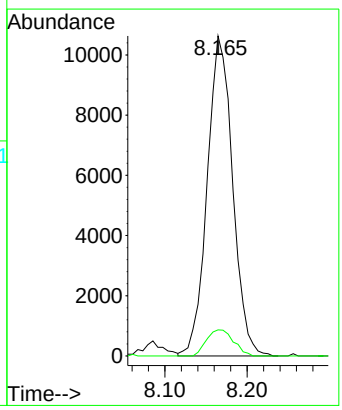


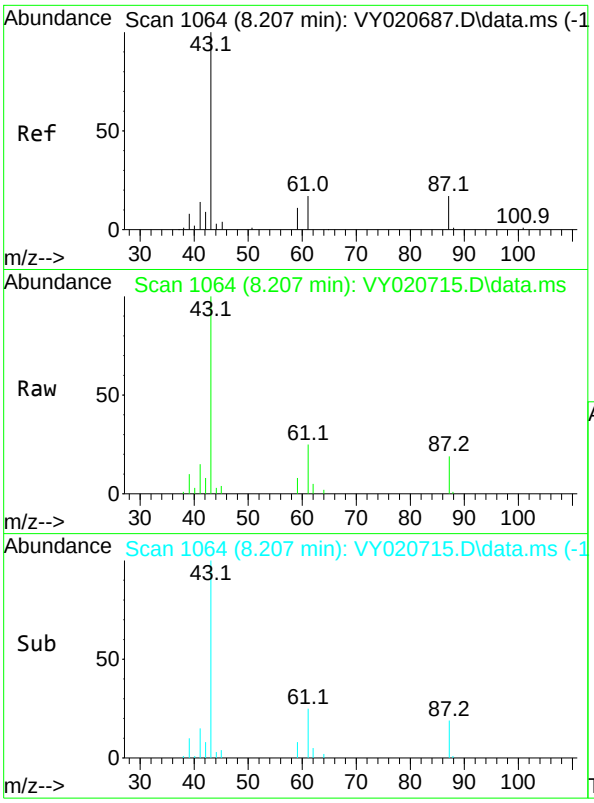


#42
1,2-Dichloroethane
Concen: 20.396 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. -0.005 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 62 Resp: 22857

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.6



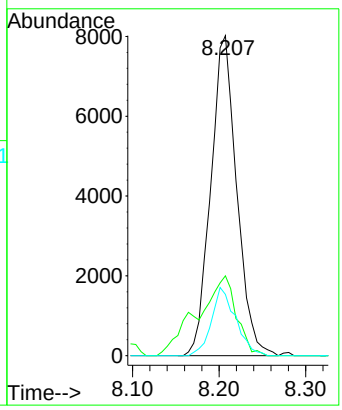


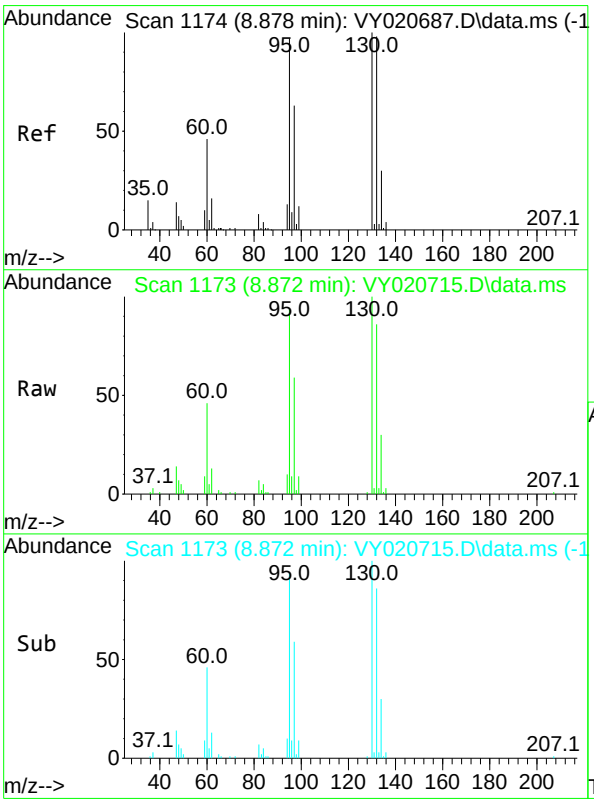
#43
Isopropyl Acetate
Concen: 19.754 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 43 Resp: 16685

Ion	Ratio	Lower	Upper
43	100		
61	26.3	27.0	40.4#
87	19.9	14.2	21.4

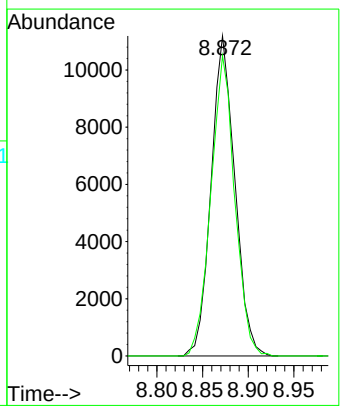


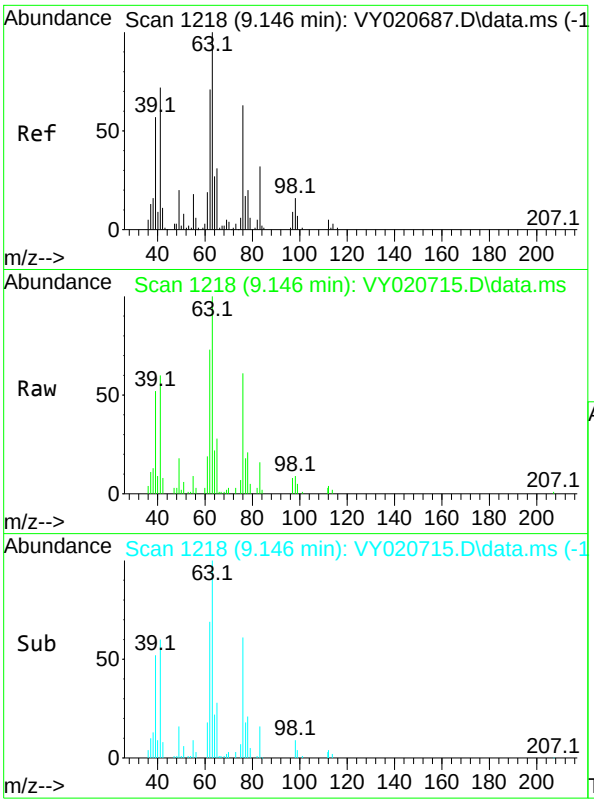


#44
Trichloroethene
Concen: 19.365 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:130 Resp: 20214

Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	194.8



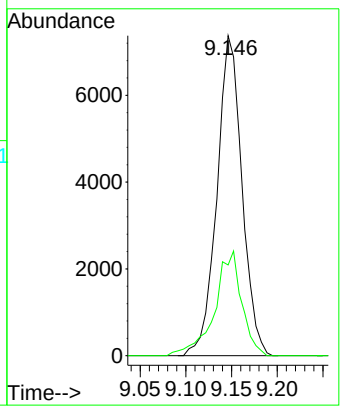


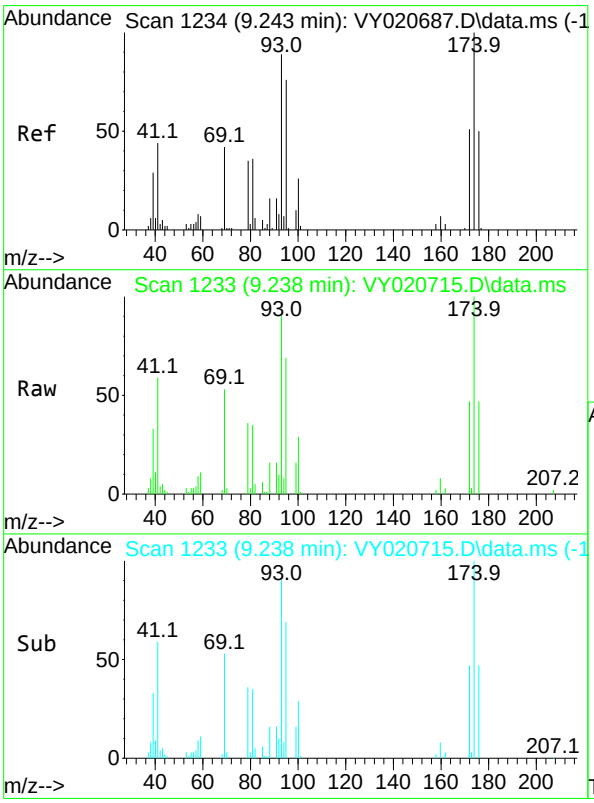
#45
1,2-Dichloropropane
Concen: 19.891 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 63 Resp: 14072

Ion	Ratio	Lower	Upper
63	100		
65	28.3	24.6	36.8

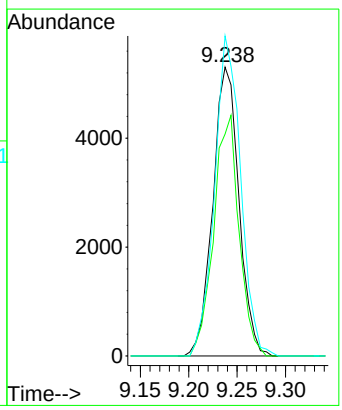


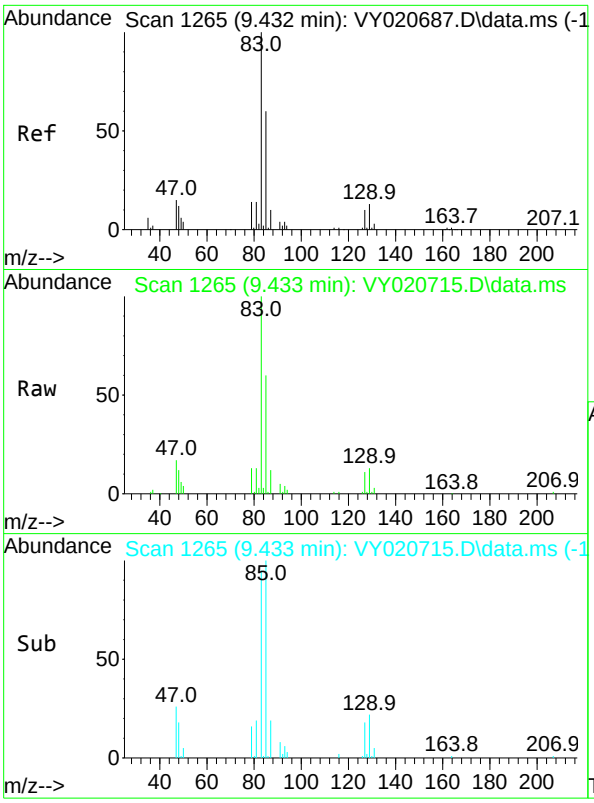


#46
Dibromomethane
Concen: 20.339 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. -0.005 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 93 Resp: 9956

Ion	Ratio	Lower	Upper
93	100		
95	80.6	67.8	101.8
174	110.8	89.4	134.0



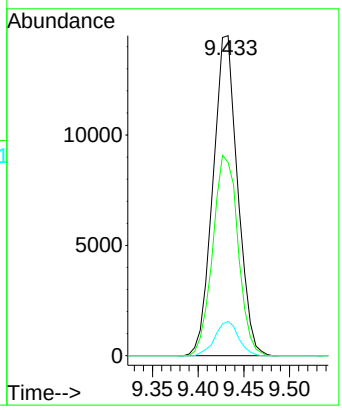


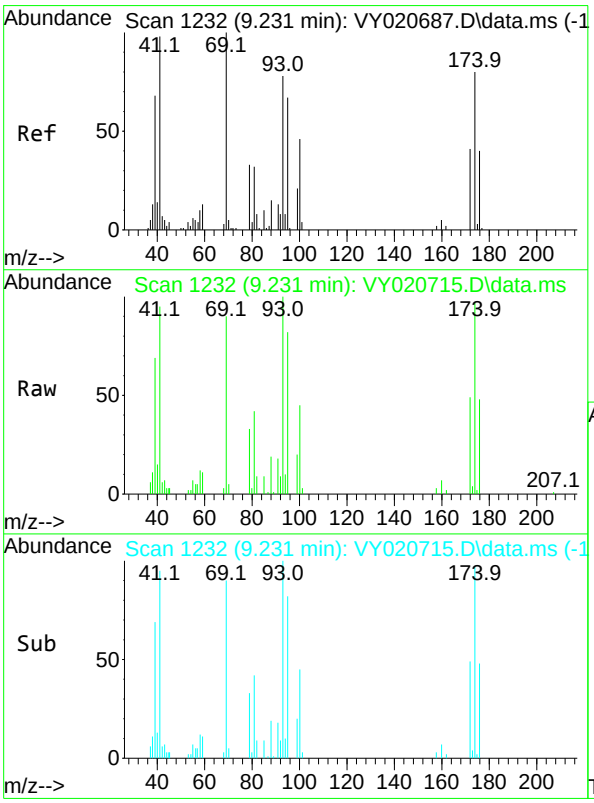
#47
Bromodichloromethane
Concen: 19.608 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 83 Resp: 27211

Ion	Ratio	Lower	Upper
83	100		
85	60.4	47.6	71.4
127	10.7	7.9	11.9

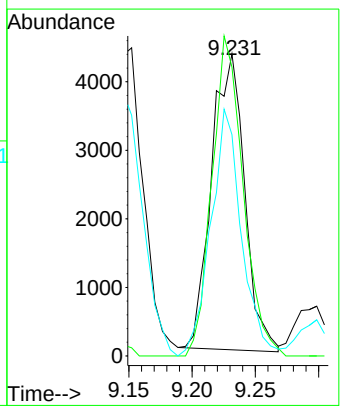


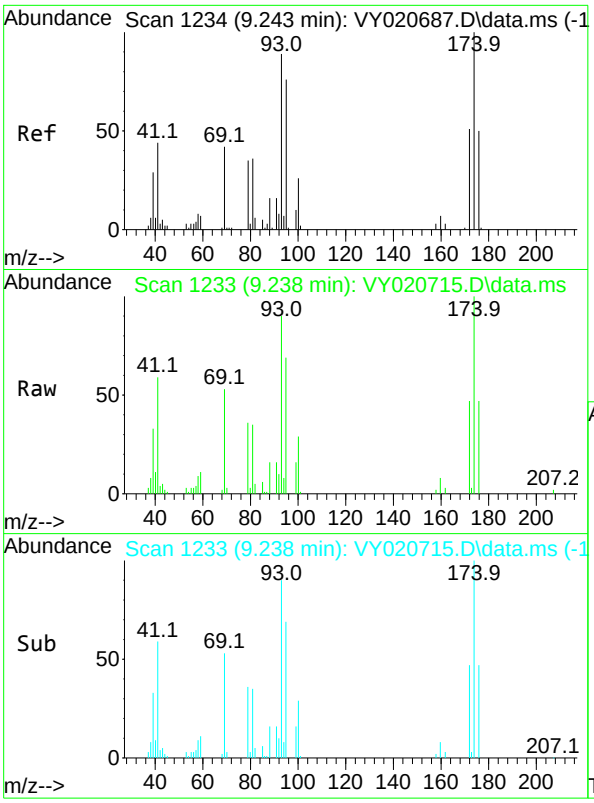


#48
Methyl methacrylate
Concen: 19.912 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 41 Resp: 7854

Ion	Ratio	Lower	Upper
41	100		
69	101.9	83.1	124.7
39	76.9	57.3	85.9



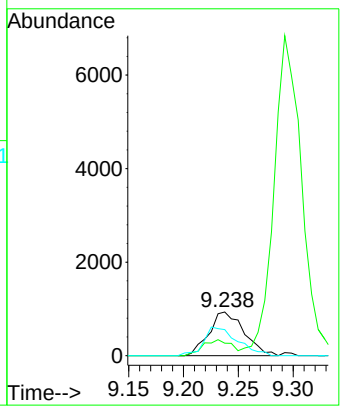


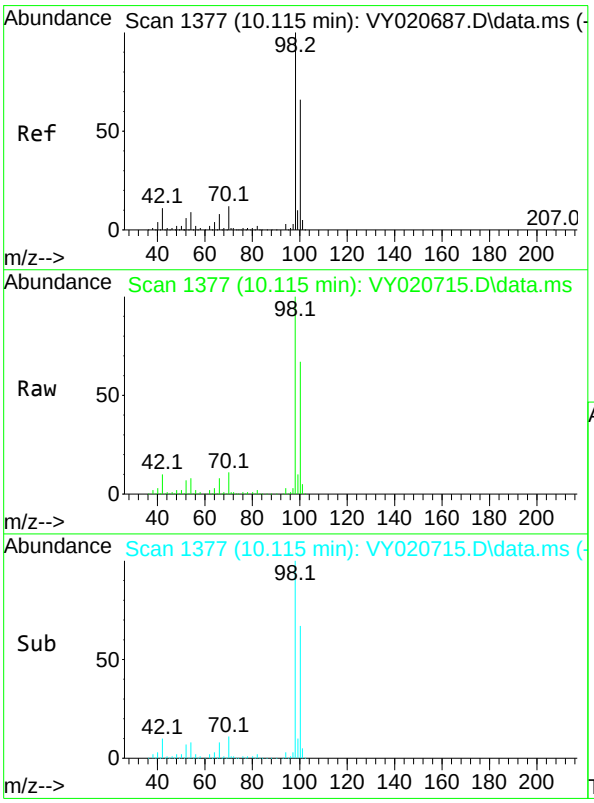
#49
1,4-Dioxane
Concen: 445.671 ug/l
RT: 9.238 min Scan# 1
Delta R.T. -0.005 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 88 Resp: 2078

Ion	Ratio	Lower	Upper
88	100		
43	29.7	22.1	33.1
58	62.4	46.7	70.1

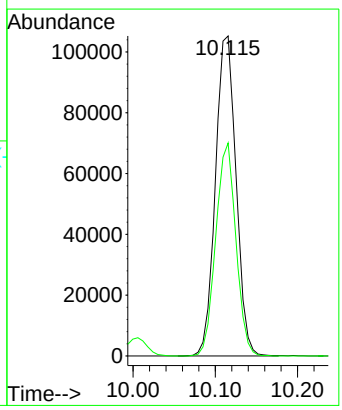


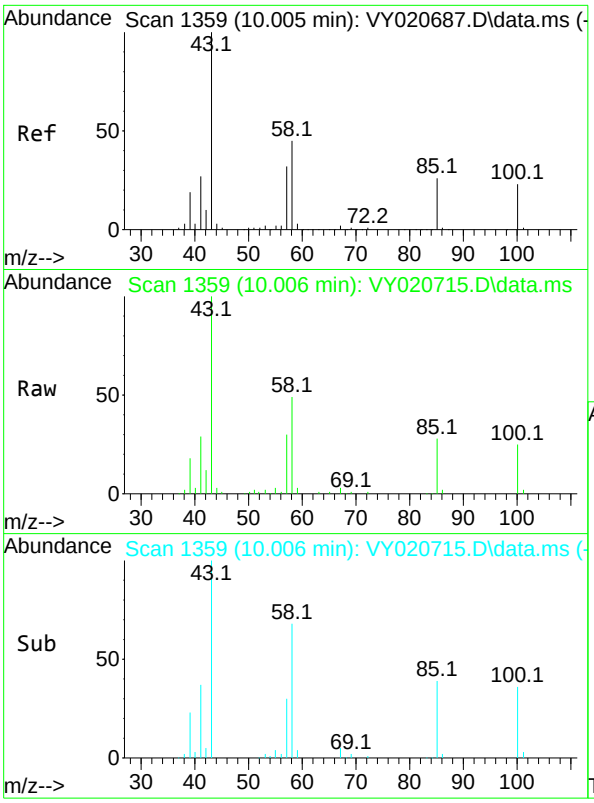


#50
Toluene-d8
Concen: 50.606 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 98 Resp: 183793

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.4



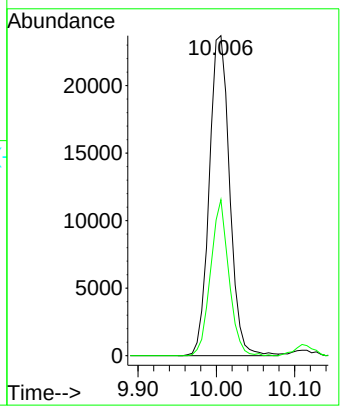


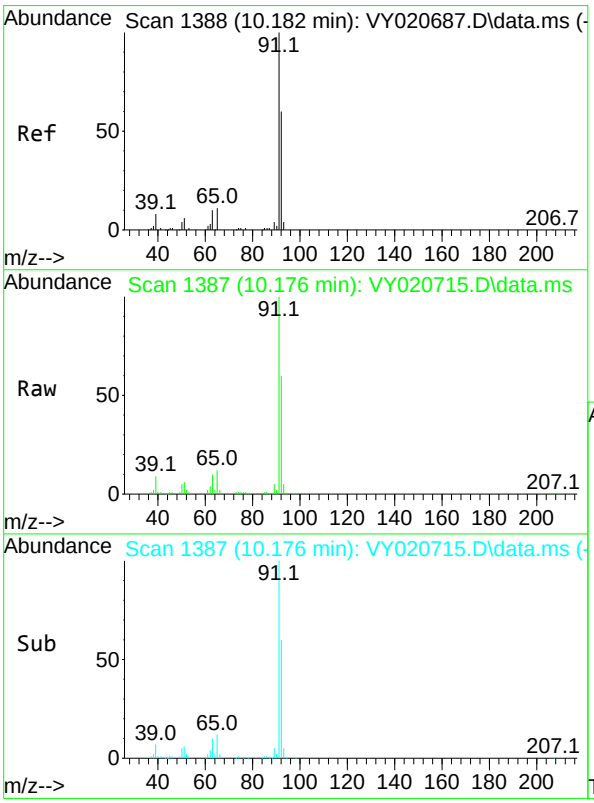
#51
4-Methyl-2-Pentanone
Concen: 105.031 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 43 Resp: 42819

Ion	Ratio	Lower	Upper
43	100		
58	43.7	35.1	52.7

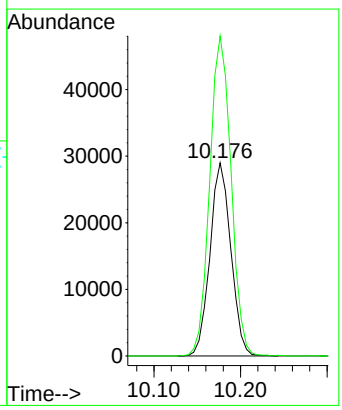


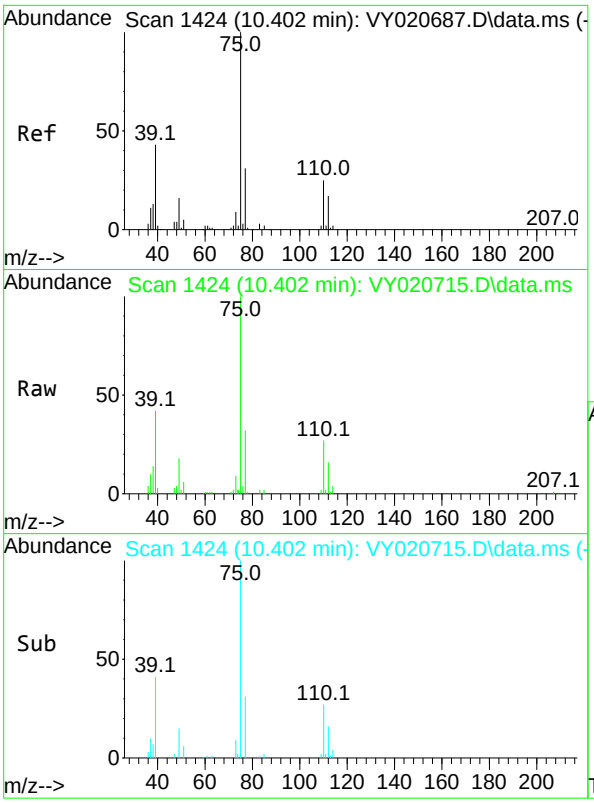


#52
Toluene
Concen: 20.266 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 92 Resp: 48544

Ion	Ratio	Lower	Upper
92	100		
91	169.4	137.7	206.5



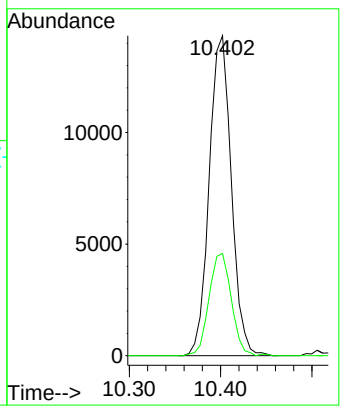


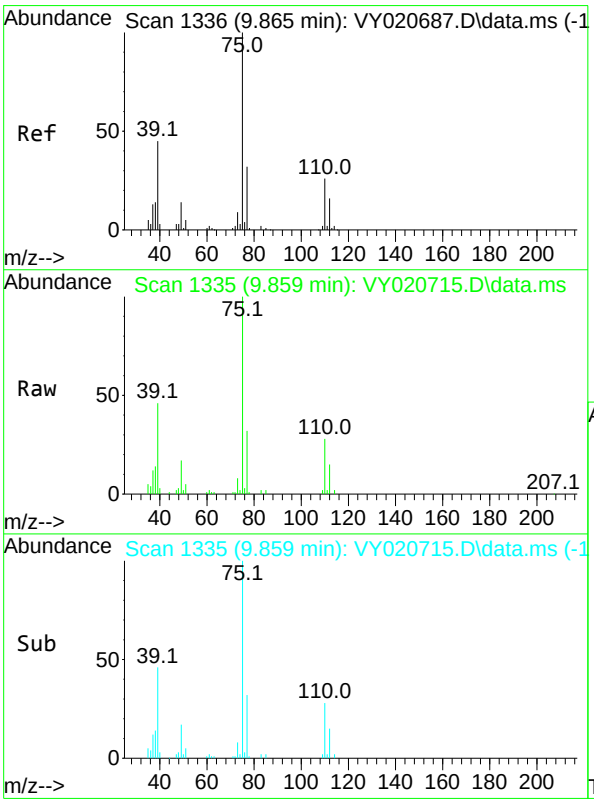
#53
t-1,3-Dichloropropene
Concen: 19.744 ug/l
RT: 10.402 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 75 Resp: 24065

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.1	37.7

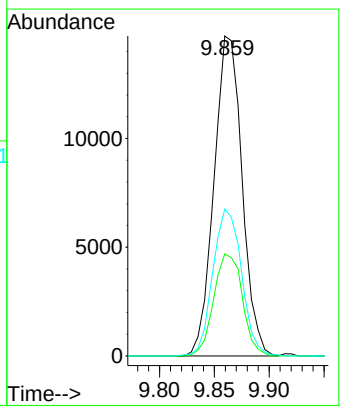


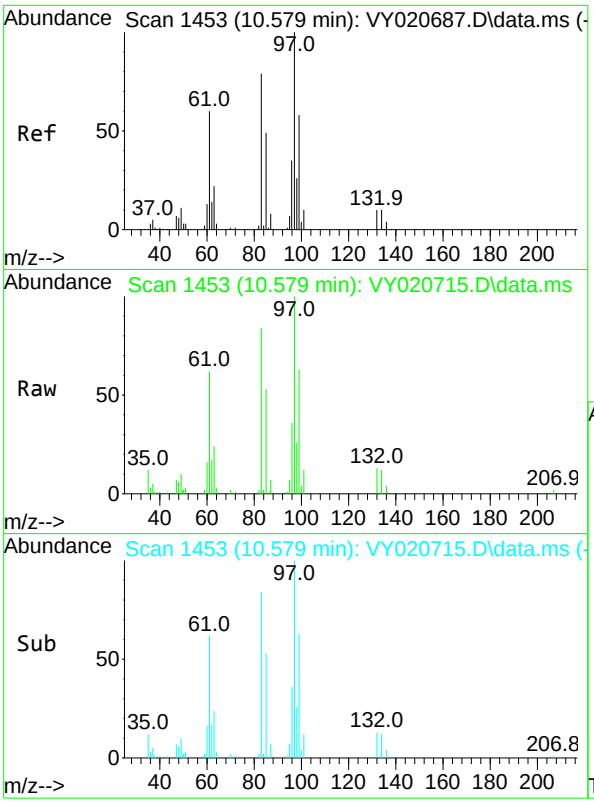


#54
cis-1,3-Dichloropropene
Concen: 19.616 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 75 Resp: 26207

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.6	38.4
39	45.9	36.2	54.2



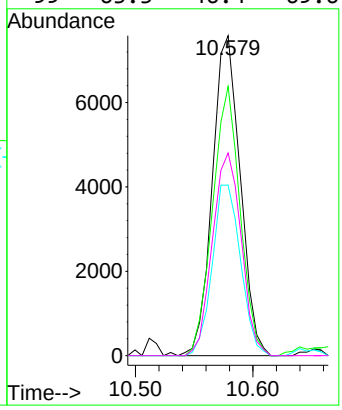


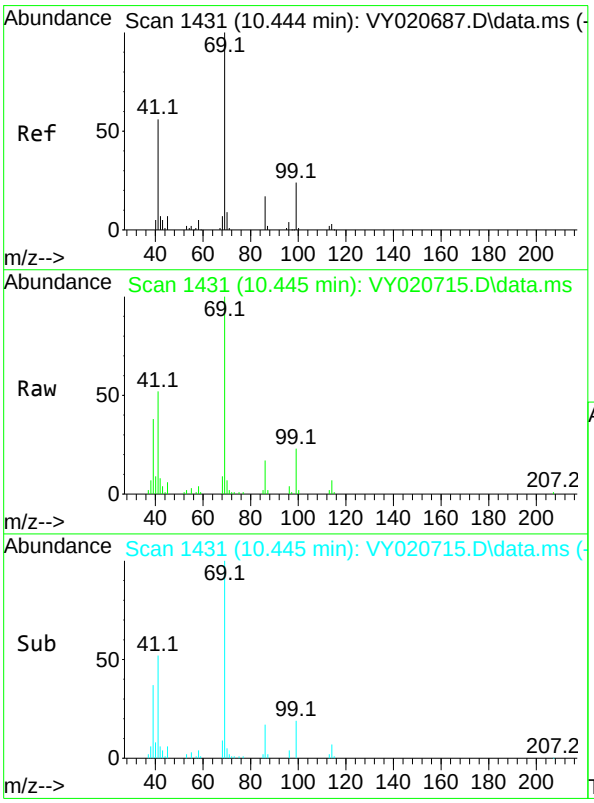
#55
1,1,2-Trichloroethane
Concen: 20.014 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 97 Resp: 12505

Ion	Ratio	Lower	Upper
97	100		
83	84.1	63.1	94.7
85	53.3	39.5	59.3
99	63.3	46.4	69.6

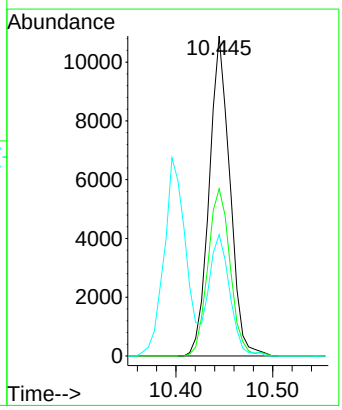


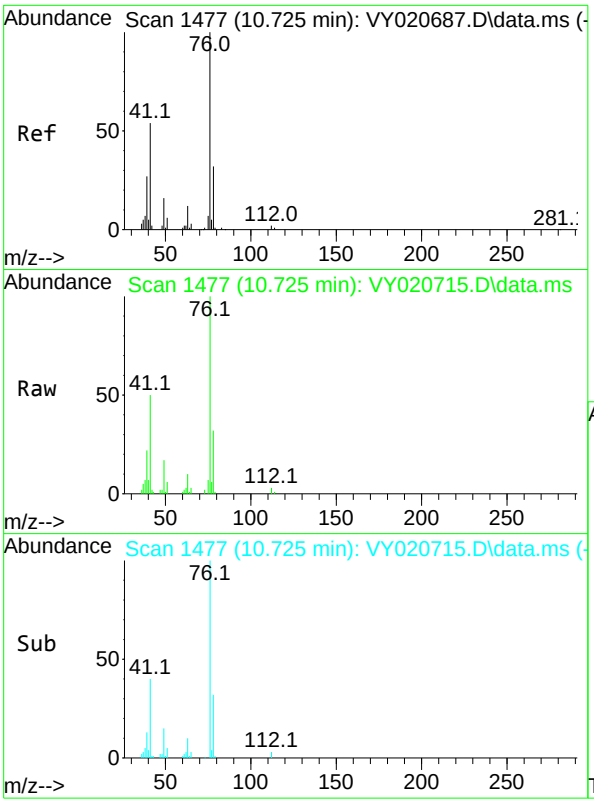


#56
Ethyl methacrylate
Concen: 19.708 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.001 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 69 Resp: 16177

Ion	Ratio	Lower	Upper
69	100		
41	56.5	43.8	65.6
39	37.1	32.0	48.0



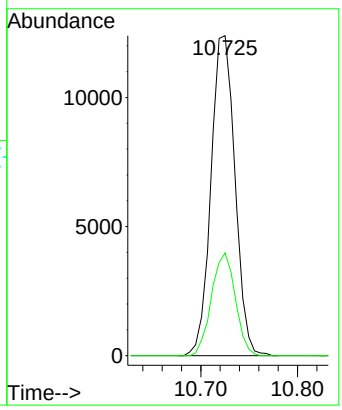


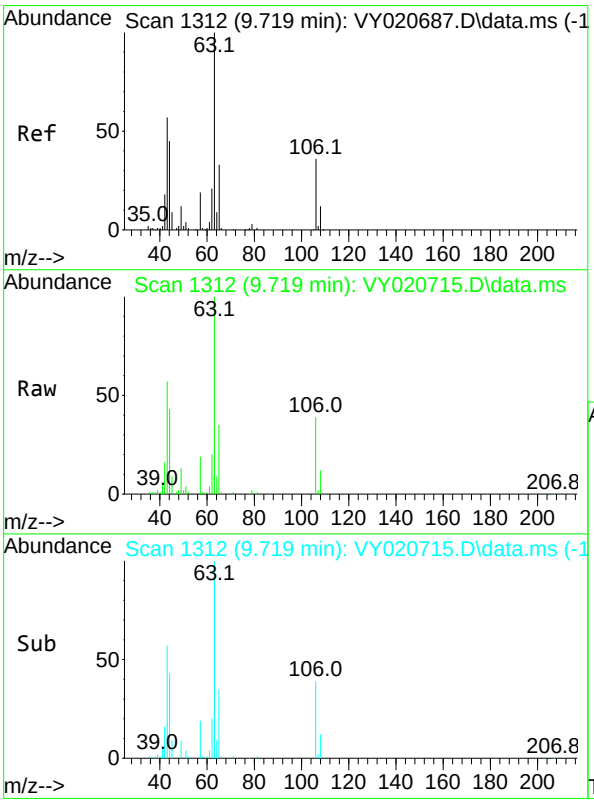
#57
1,3-Dichloropropane
Concen: 21.046 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 76 Resp: 21343

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.0	37.6

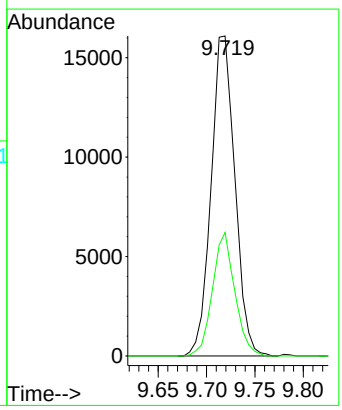


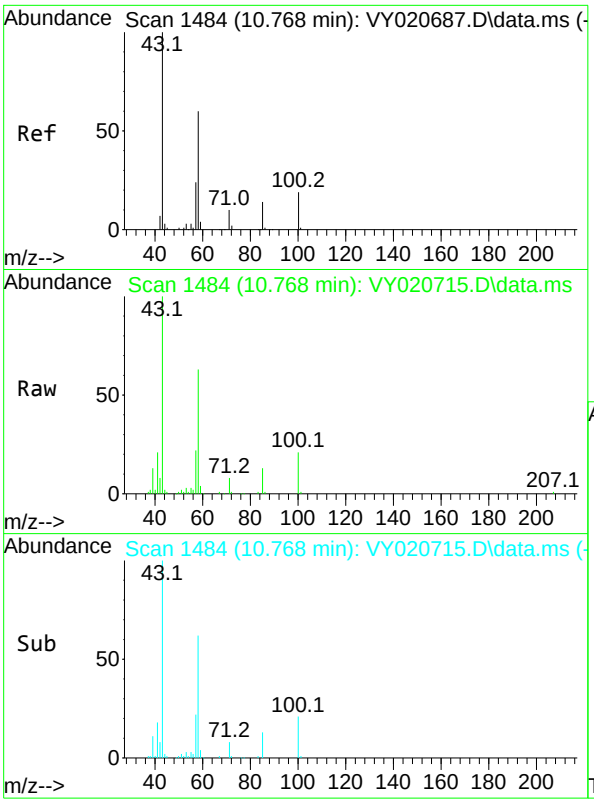


#58
2-Chloroethyl Vinyl ether
Concen: 96.265 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 63 Resp: 27555

Ion	Ratio	Lower	Upper
63	100		
106	36.1	29.1	43.7



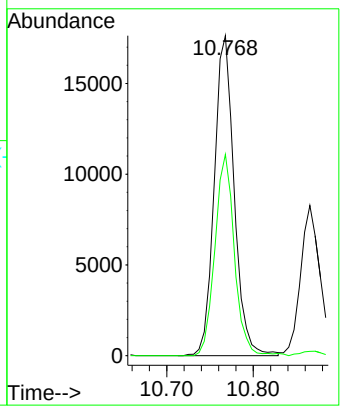


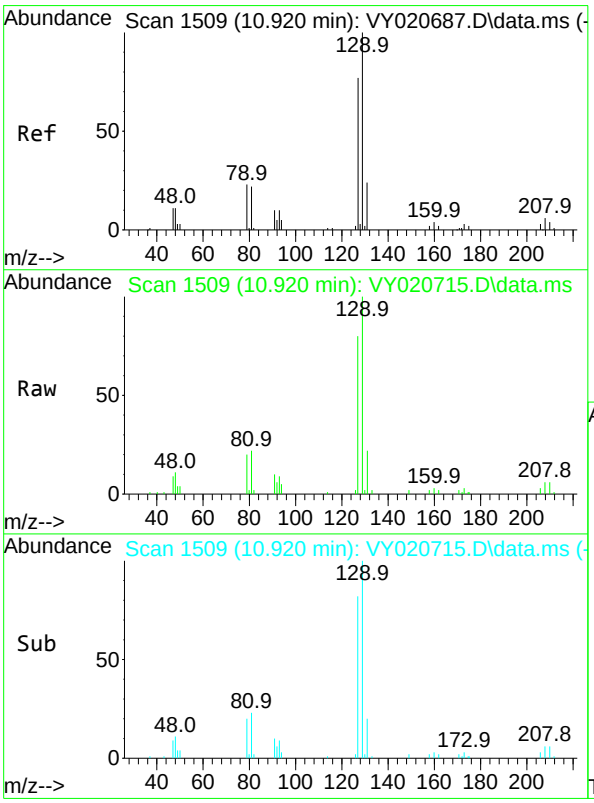
#59
2-Hexanone
Concen: 104.703 ug/l
RT: 10.768 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 43 Resp: 28183

Ion	Ratio	Lower	Upper
43	100		
58	61.5	30.1	90.5

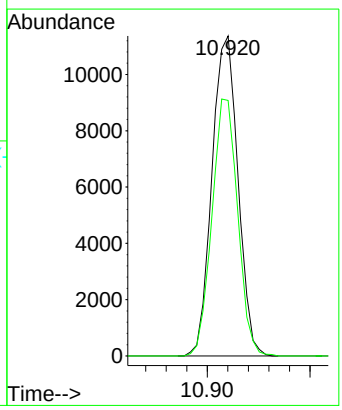


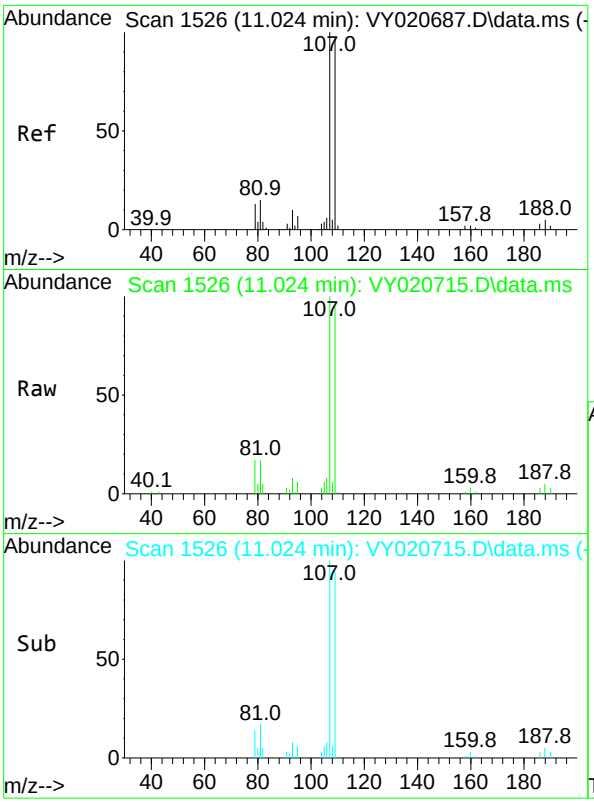


#60
Dibromochloromethane
Concen: 19.763 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:129 Resp: 19953

Ion	Ratio	Lower	Upper
129	100		
127	79.5	38.5	115.5



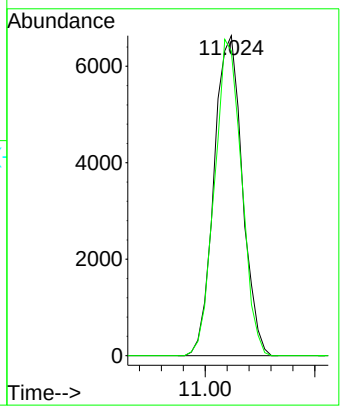


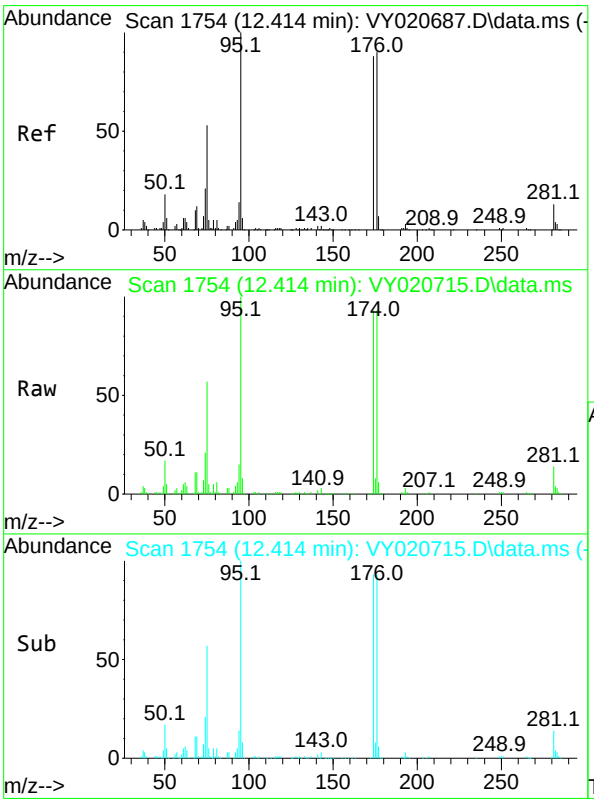
#61
1,2-Dibromoethane
Concen: 20.222 ug/l
RT: 11.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion:107 Resp: 11889

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.5	113.3

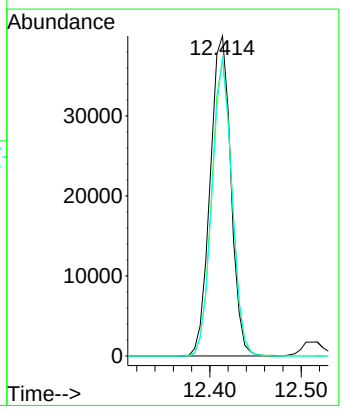


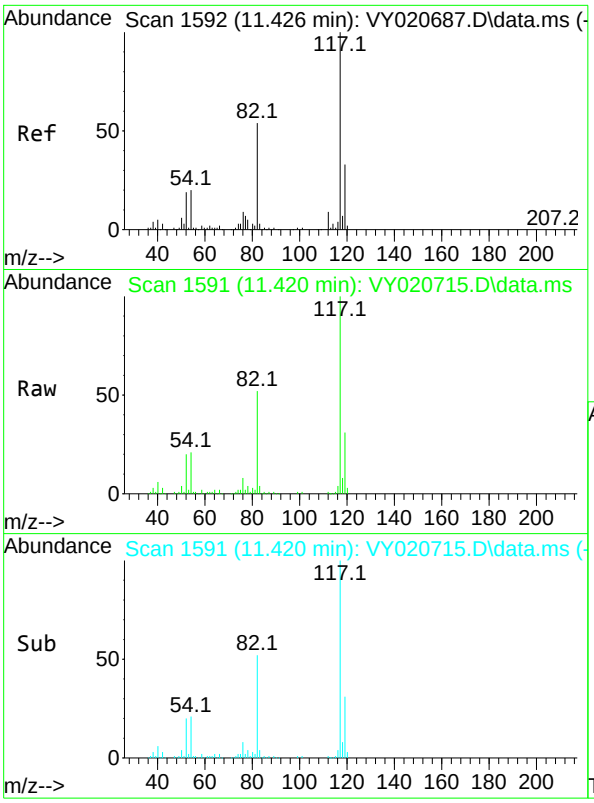


#62
4-Bromofluorobenzene
Concen: 51.825 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 95 Resp: 62876

Ion	Ratio	Lower	Upper
95	100		
174	91.0	0.0	179.2
176	89.4	0.0	179.8



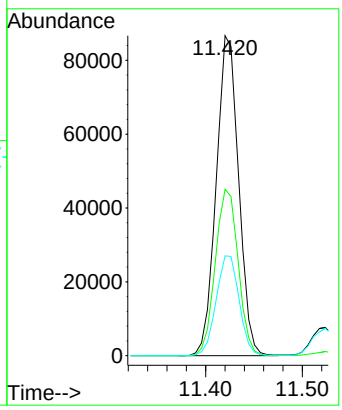


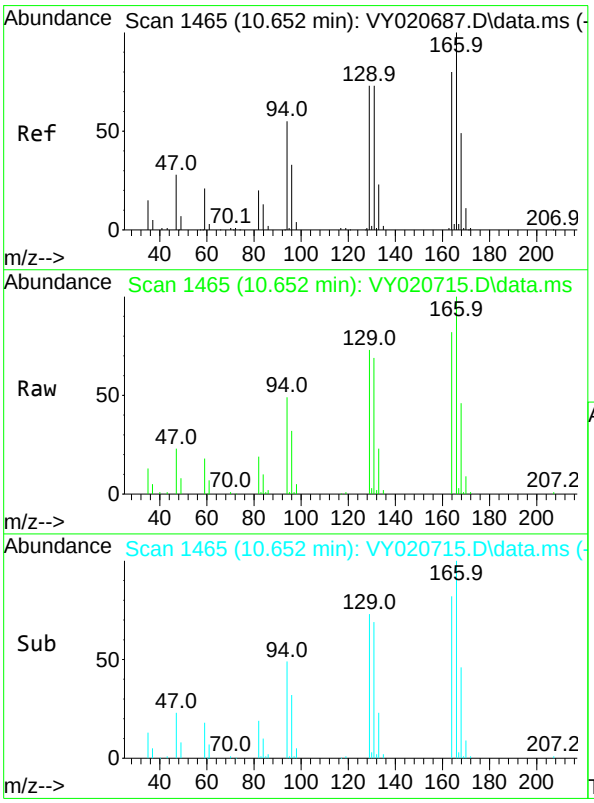
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion:117 Resp: 139363

Ion	Ratio	Lower	Upper
117	100		
82	52.0	43.4	65.2
119	31.2	26.6	39.8

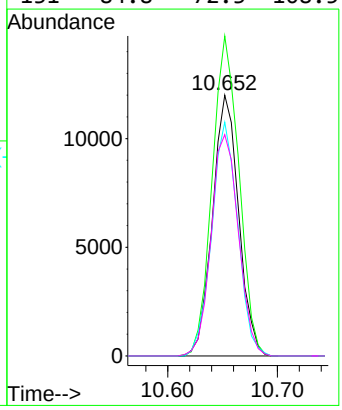


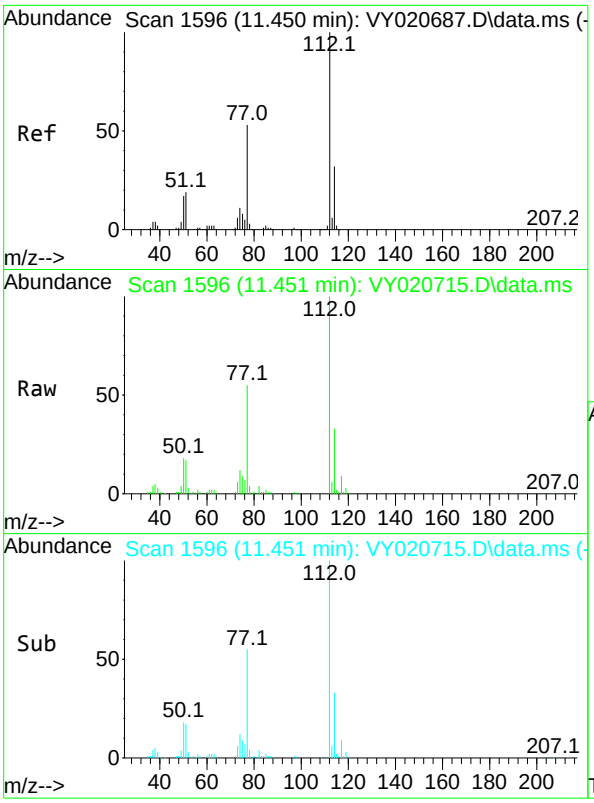


#64
Tetrachloroethene
Concen: 20.877 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:164 Resp: 19878

Ion	Ratio	Lower	Upper
164	100		
166	122.7	99.6	149.4
129	89.6	73.0	109.4
131	84.8	72.3	108.5



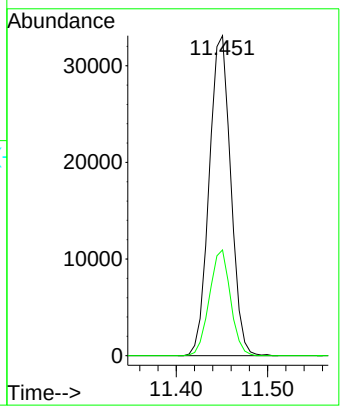


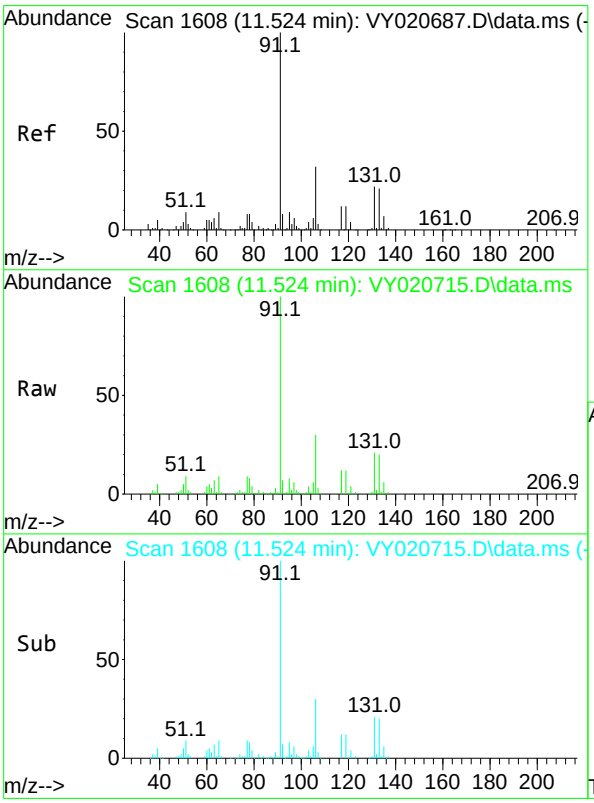
#65
Chlorobenzene
Concen: 19.832 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion:112 Resp: 54119

Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.4	38.0

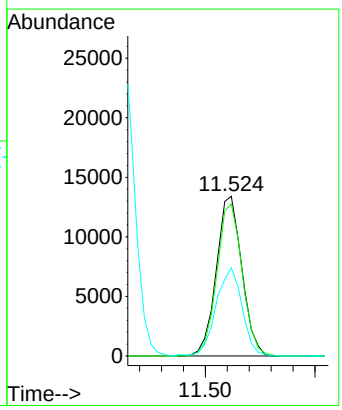


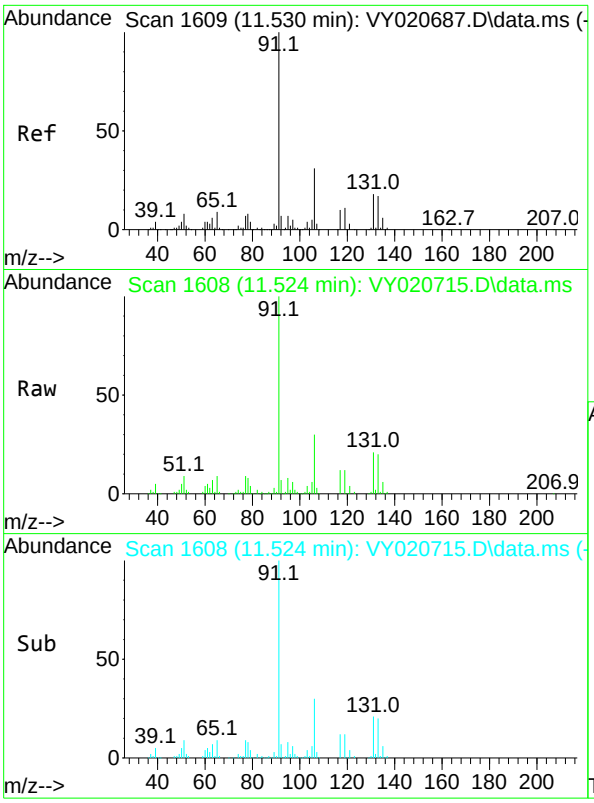


#66
1,1,1,2-Tetrachloroethane
Concen: 20.493 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:131 Resp: 21666

Ion	Ratio	Lower	Upper
131	100		
133	94.5	48.6	145.9
119	56.2	28.4	85.3



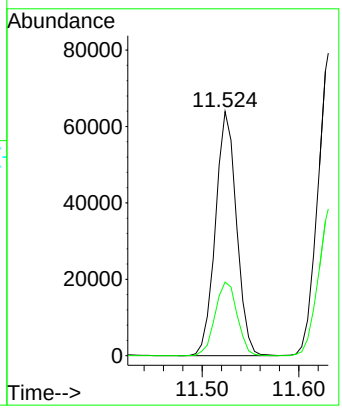


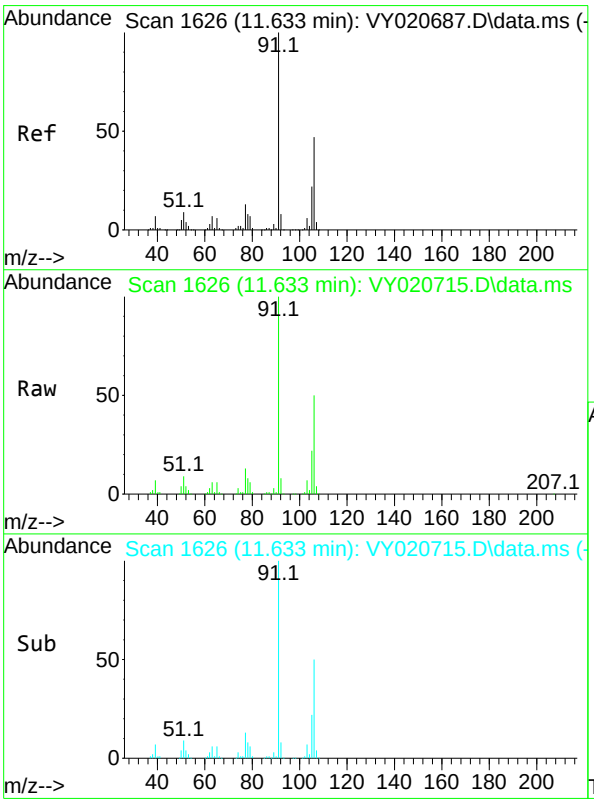
#67
Ethyl Benzene
Concen: 20.244 ug/l
RT: 11.524 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 91 Resp: 96550

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.5	36.7

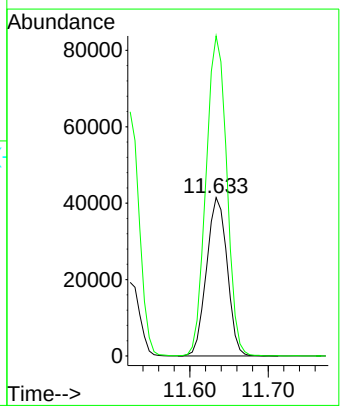


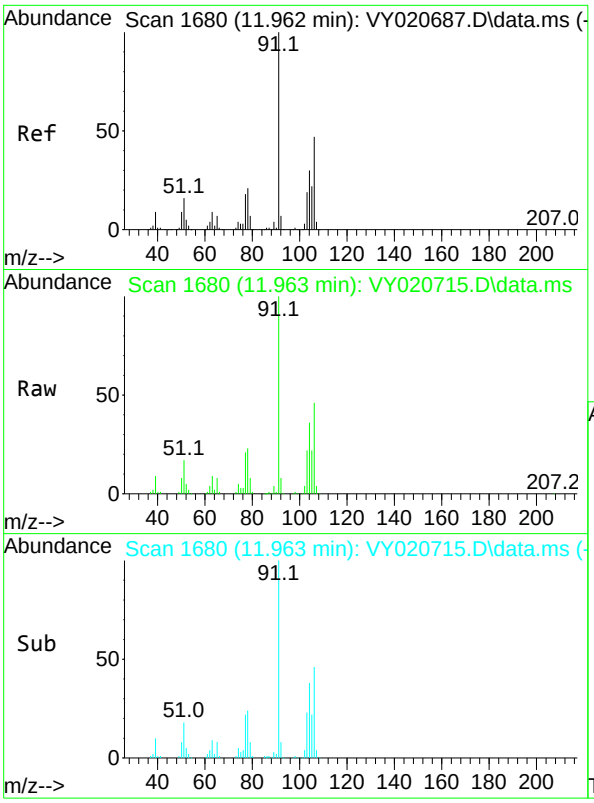


#68
m/p-Xylenes
Concen: 41.573 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:106 Resp: 75635

Ion	Ratio	Lower	Upper
106	100		
91	204.2	166.6	250.0



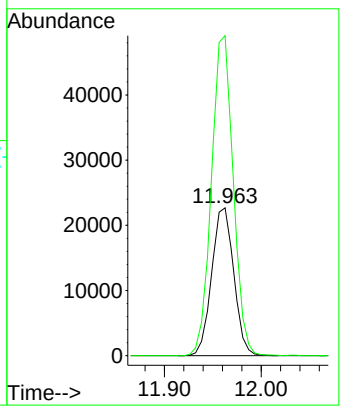


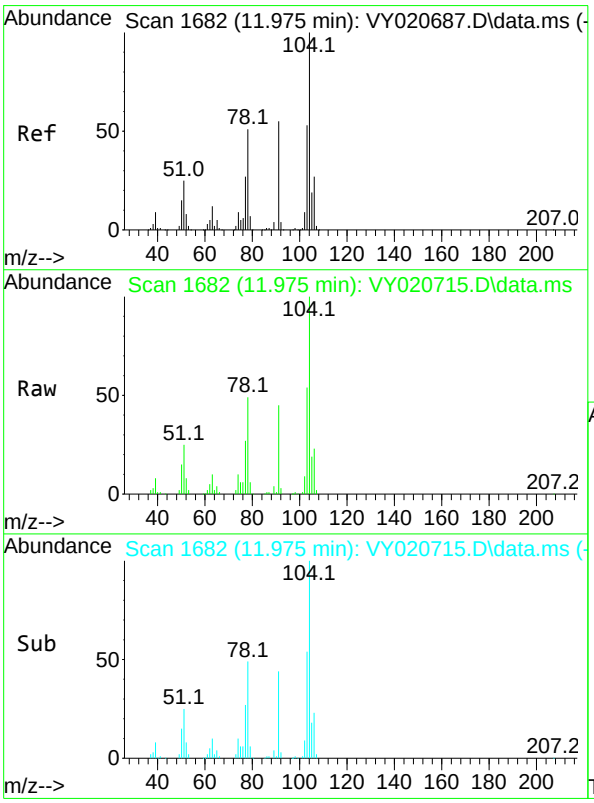
#69
o-Xylene
Concen: 20.693 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion:106 Resp: 35970

Ion	Ratio	Lower	Upper
106	100		
91	213.9	108.6	325.8

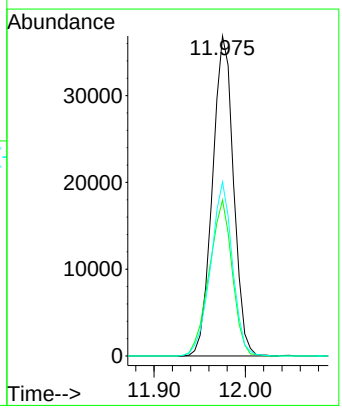


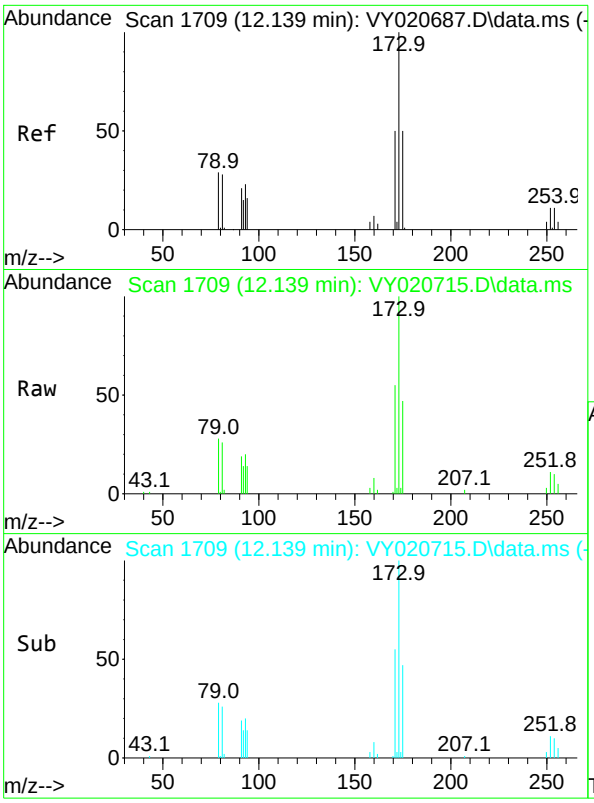


#70
Styrene
Concen: 20.228 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:104 Resp: 59026

Ion	Ratio	Lower	Upper
104	100		
78	53.0	43.0	64.4
103	56.3	44.4	66.6



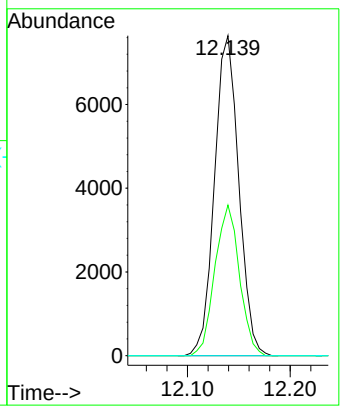


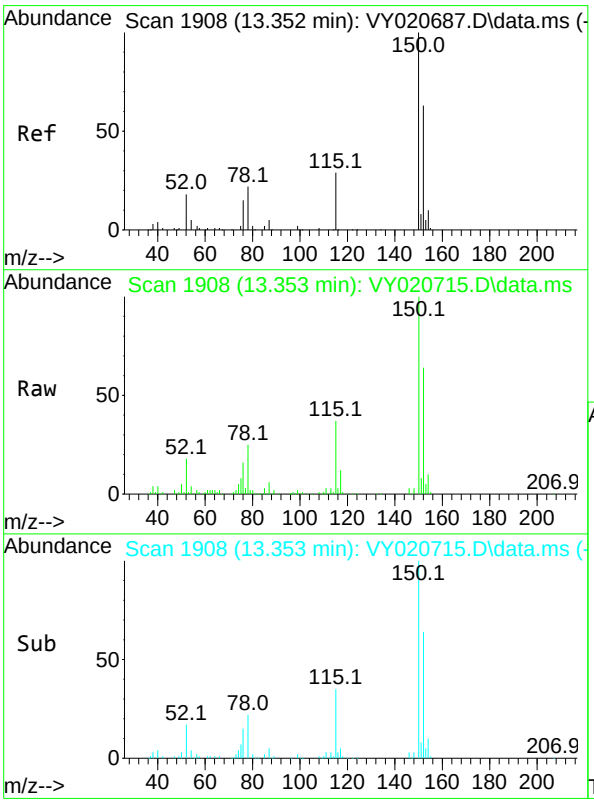
#71
Bromoform
Concen: 20.623 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion:173 Resp: 12535

Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.2	72.6
254	0.0	0.0	0.0

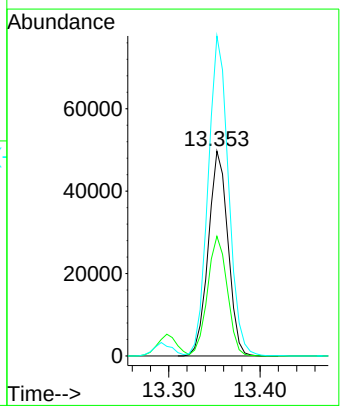


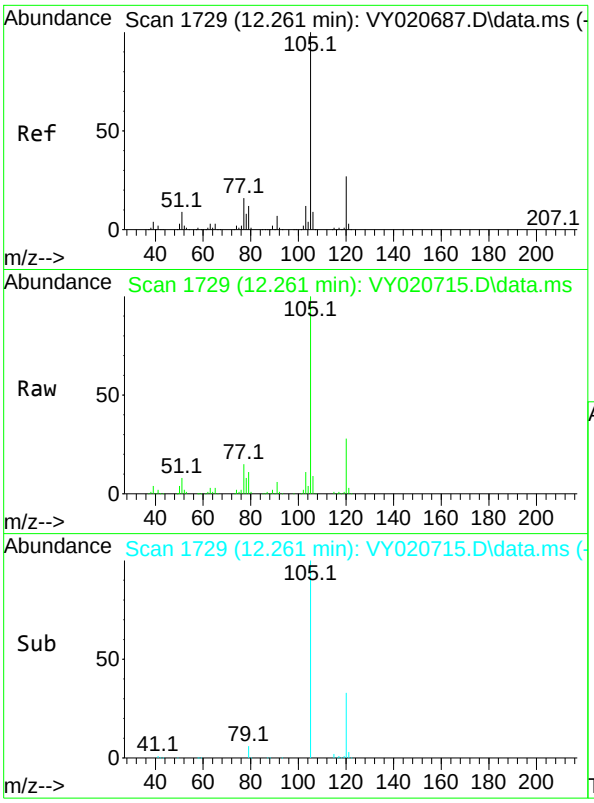


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.001 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:152 Resp: 74040

Ion	Ratio	Lower	Upper
152	100		
115	58.7	30.3	90.9
150	162.5	0.0	349.0



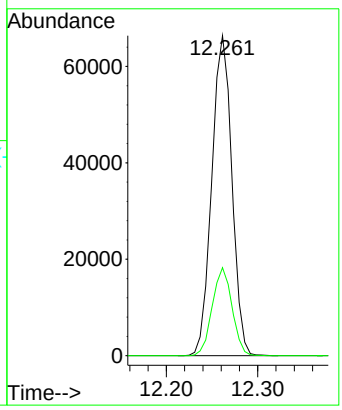


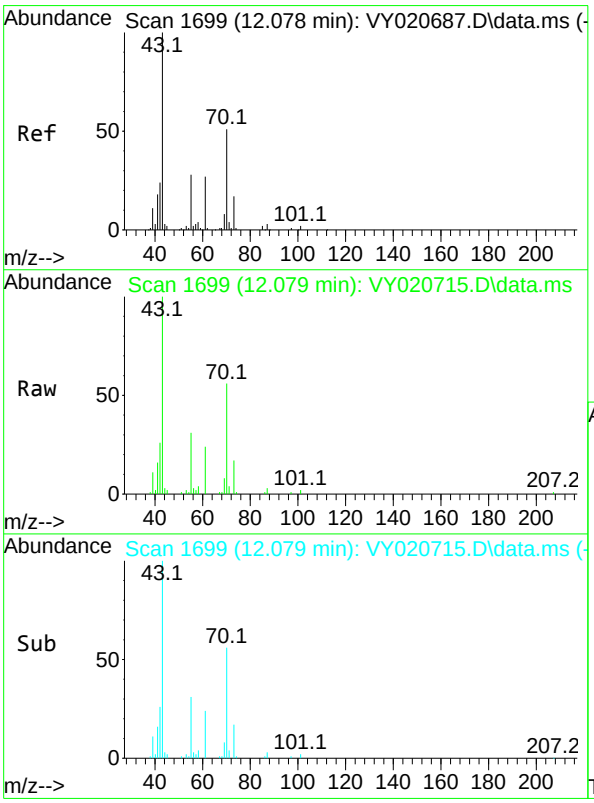
#73
Isopropylbenzene
Concen: 19.780 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion:105 Resp: 101462

Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.3	39.9

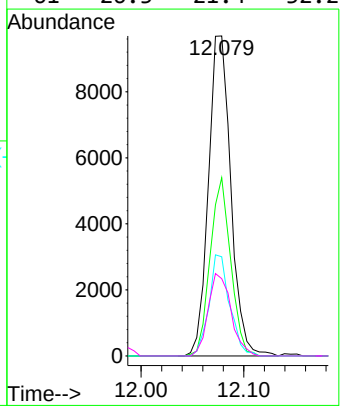


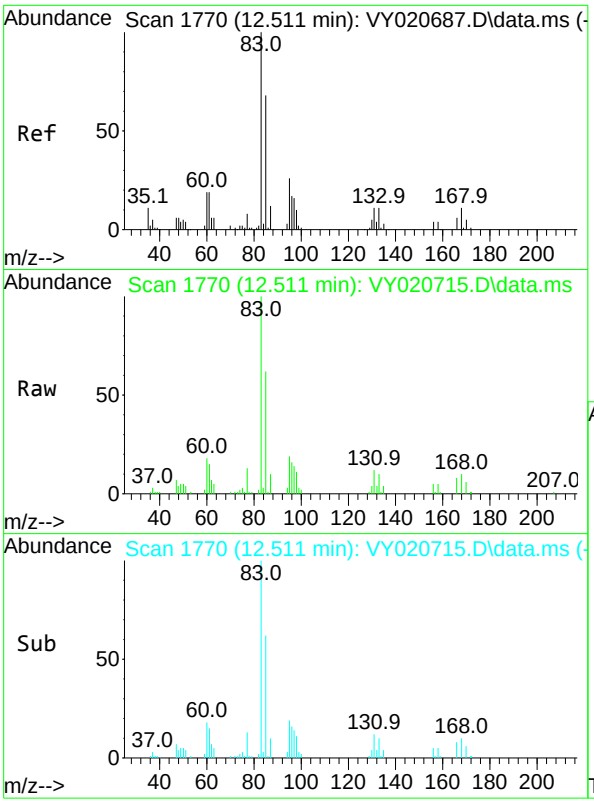


#74
N-amyl acetate
Concen: 20.191 ug/l
RT: 12.079 min Scan# 1699
Delta R.T. 0.001 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 43 Resp: 14718

Ion	Ratio	Lower	Upper
43	100		
70	50.8	39.7	59.5
55	29.3	21.5	32.3
61	26.3	21.4	32.2



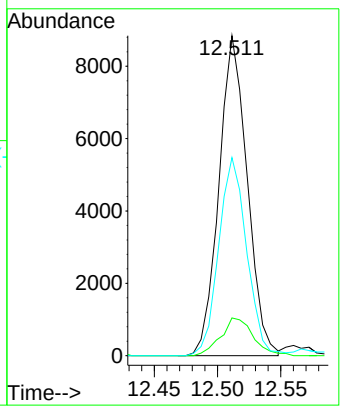


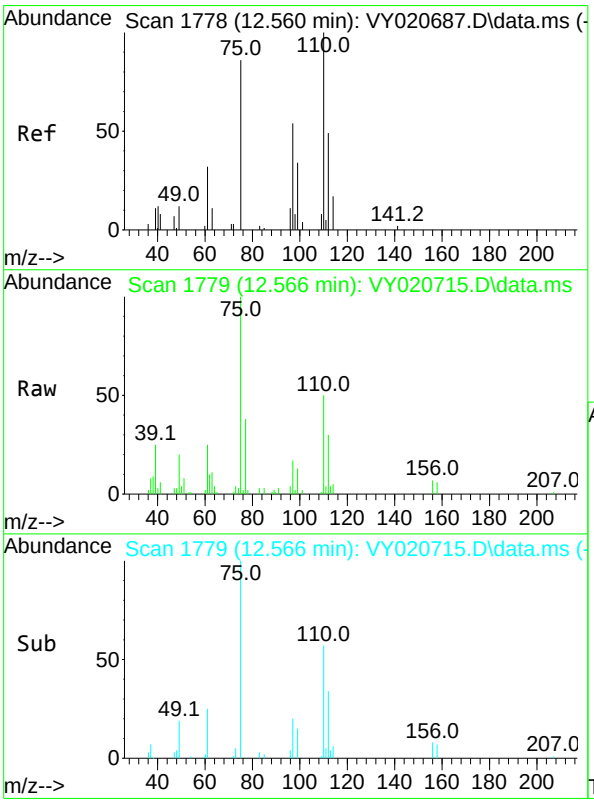
#75
1,1,2,2-Tetrachloroethane
Concen: 20.903 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 83 Resp: 13746

Ion	Ratio	Lower	Upper
83	100		
131	13.5	6.9	20.7
85	61.3	32.5	97.4

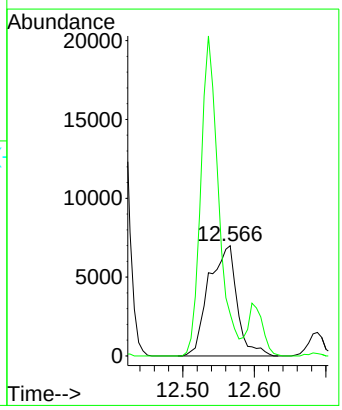


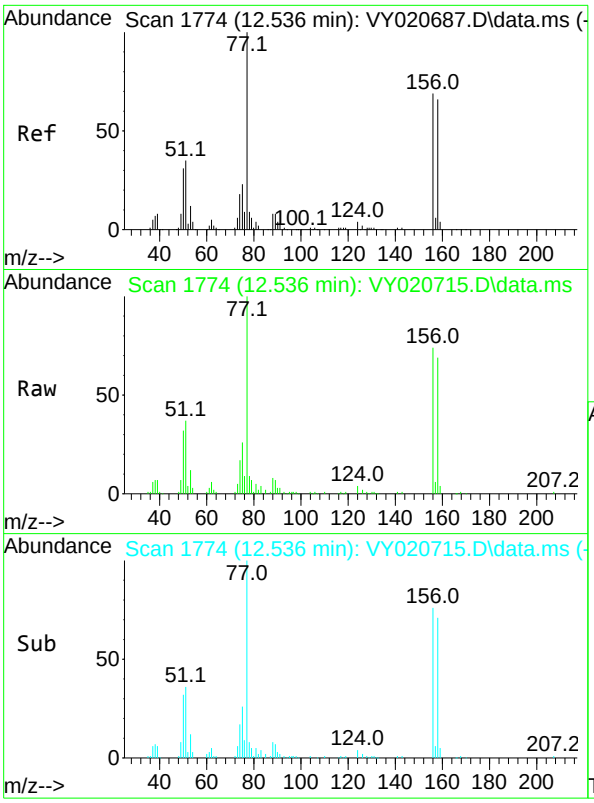


#76
1,2,3-Trichloropropane
Concen: 40.896 ug/l
RT: 12.566 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 75 Resp: 19258

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



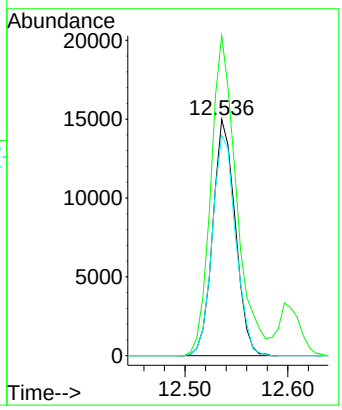


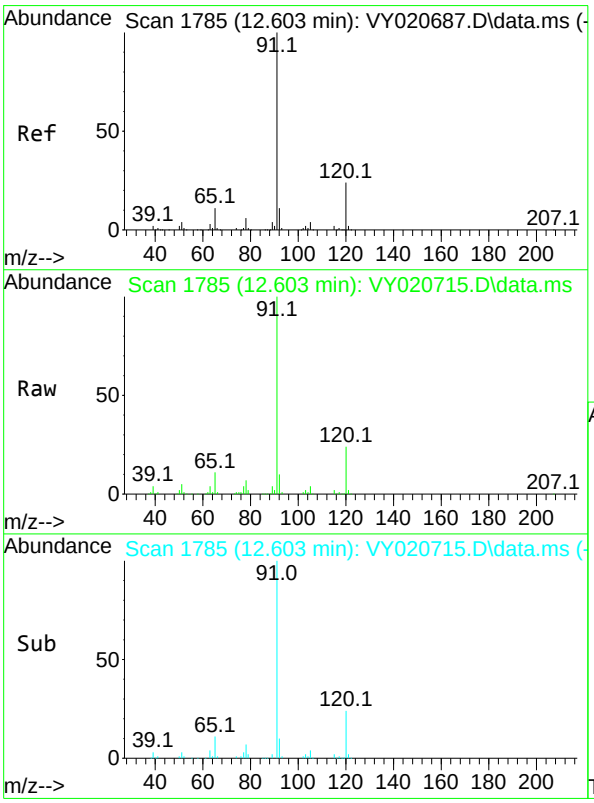
#77
Bromobenzene
Concen: 19.276 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion:156 Resp: 22761

Ion	Ratio	Lower	Upper
156	100		
77	154.2	78.3	235.0
158	97.1	48.3	144.9

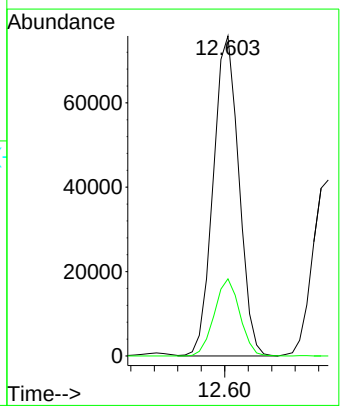


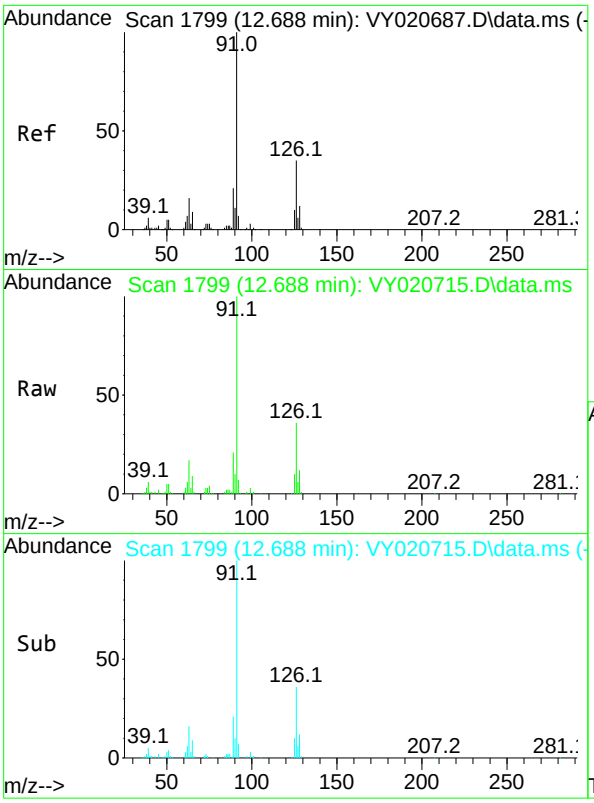


#78
n-propylbenzene
Concen: 19.993 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 91 Resp: 114949

Ion	Ratio	Lower	Upper
91	100		
120	23.9	12.3	36.8



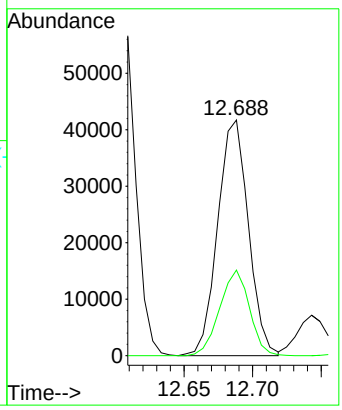


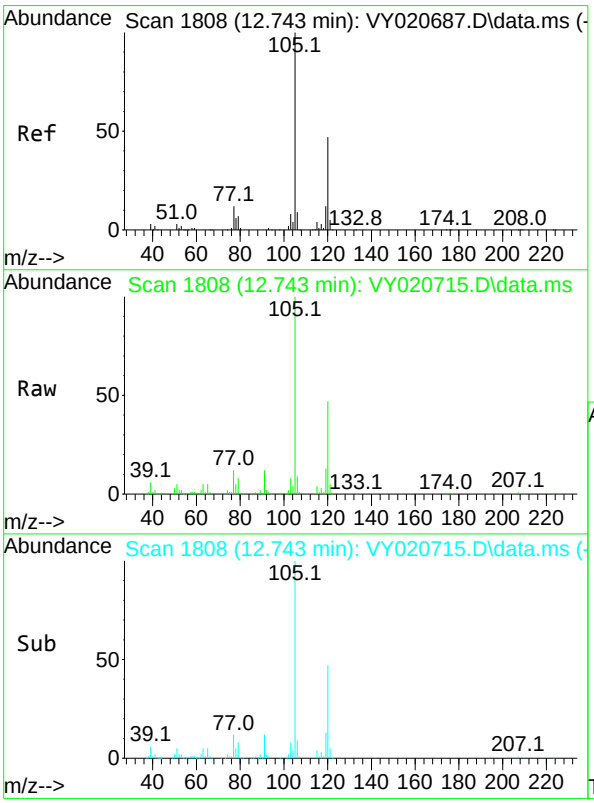
#79
2-Chlorotoluene
Concen: 19.862 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 91 Resp: 65099

Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.8	53.3

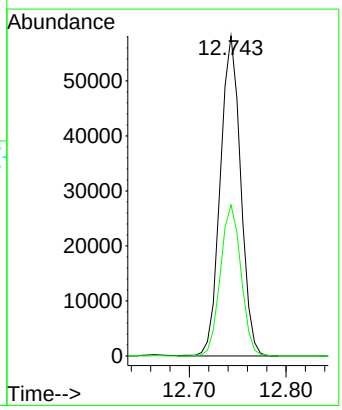


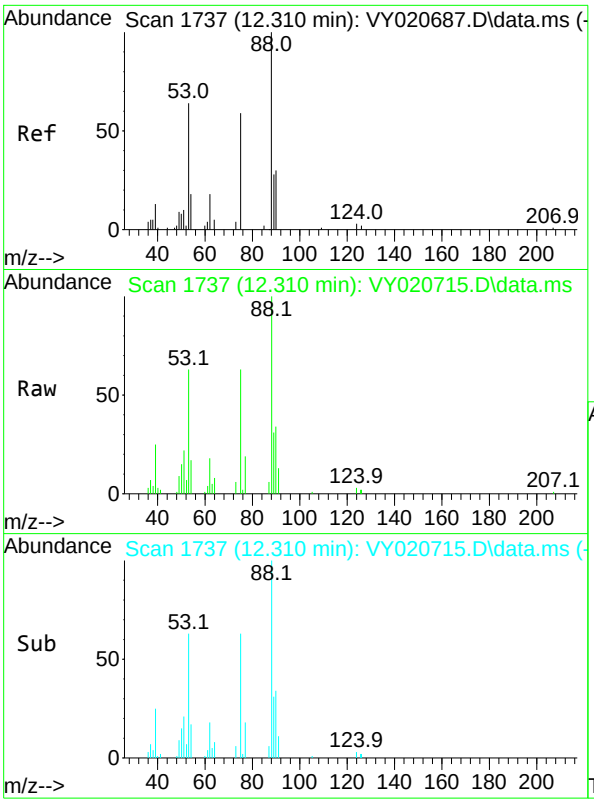


#80
1,3,5-Trimethylbenzene
Concen: 19.855 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:105 Resp: 84854

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.9	71.7



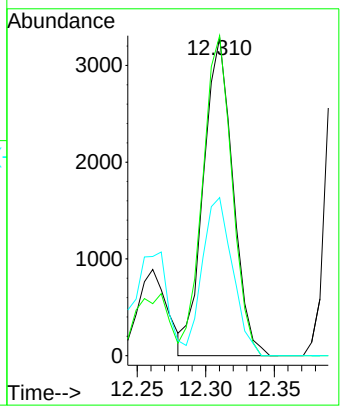


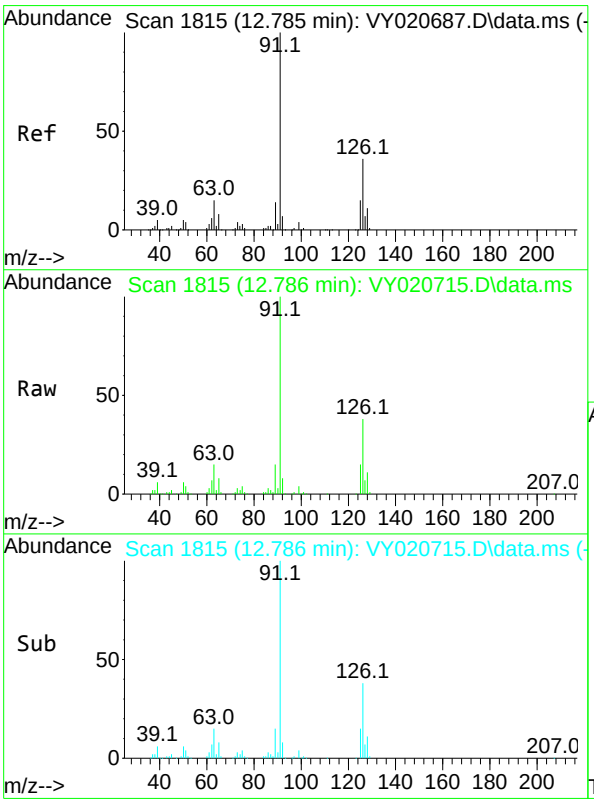
#81
trans-1,4-Dichloro-2-butene
Concen: 20.601 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 75 Resp: 4908

Ion	Ratio	Lower	Upper
75	100		
53	100.3	83.1	124.7
89	50.8	40.6	61.0

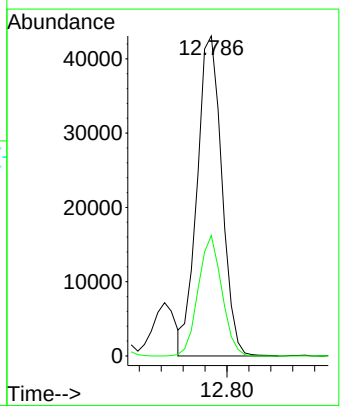


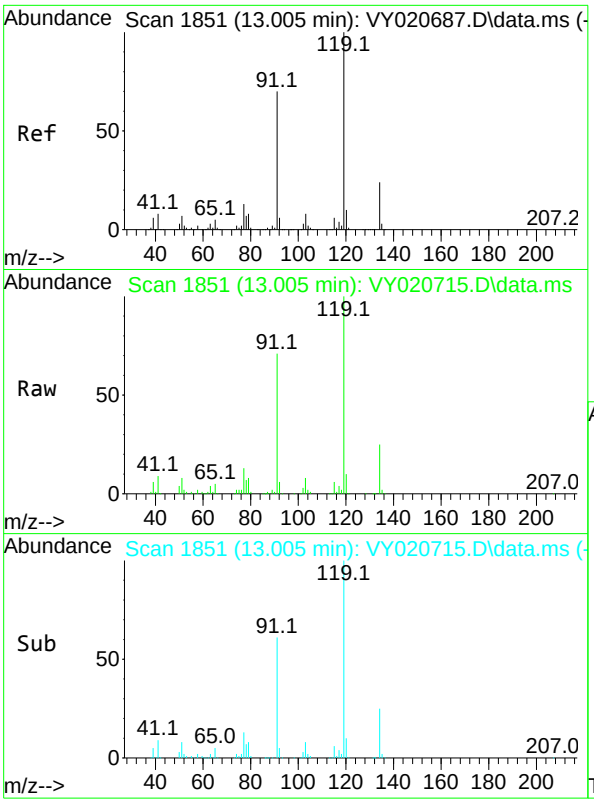


#82
4-Chlorotoluene
Concen: 19.951 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.001 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 91 Resp: 67579

Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.8	53.5



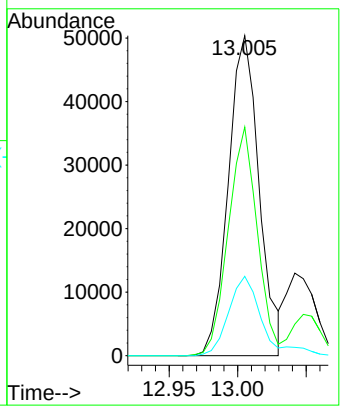


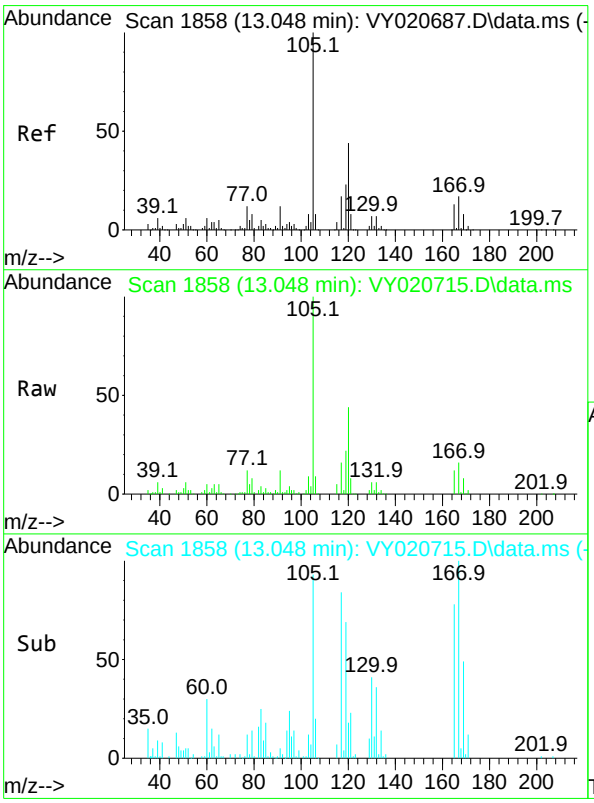
#83
tert-Butylbenzene
Concen: 19.784 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion:119 Resp: 78963

Ion	Ratio	Lower	Upper
119	100		
91	67.1	33.6	100.8
134	26.7	13.4	40.2

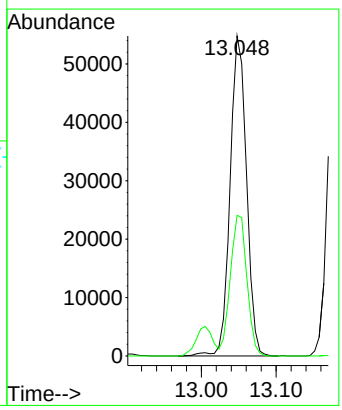


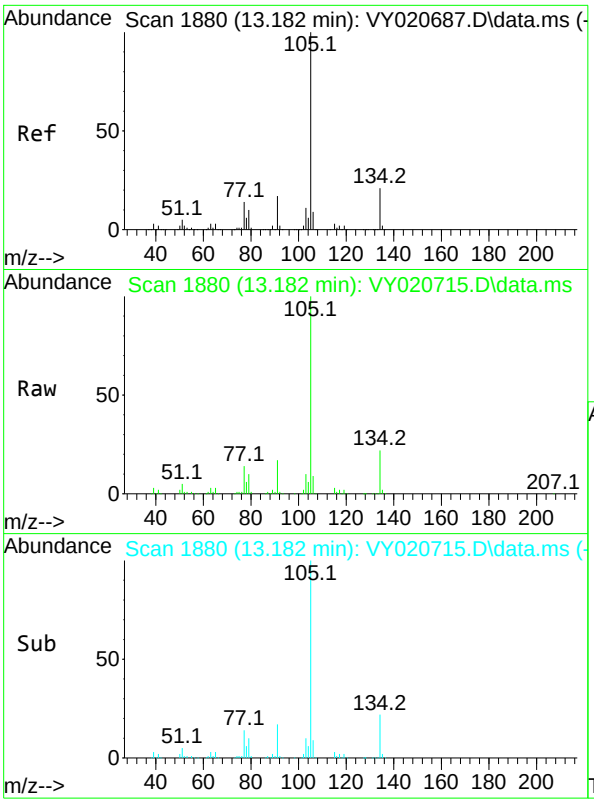


#84
1,2,4-Trimethylbenzene
Concen: 20.030 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:105 Resp: 83301

Ion	Ratio	Lower	Upper
105	100		
120	44.5	21.8	65.3



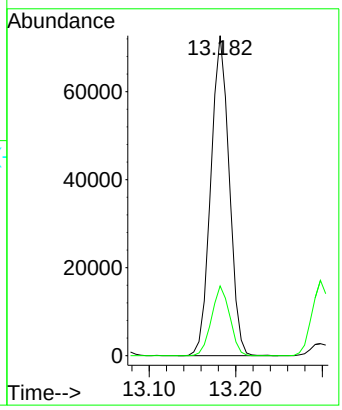


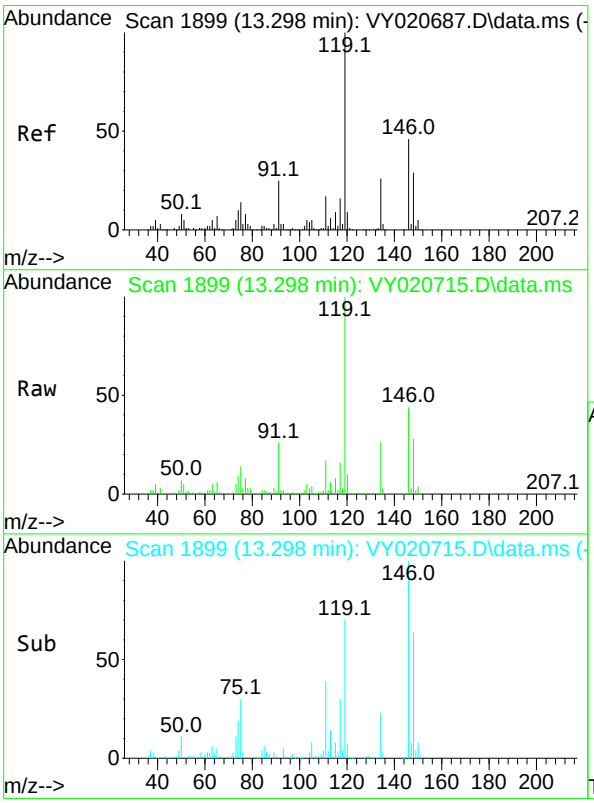
#85
sec-Butylbenzene
Concen: 19.960 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion:105 Resp: 107364

Ion	Ratio	Lower	Upper
105	100		
134	21.5	10.7	32.1

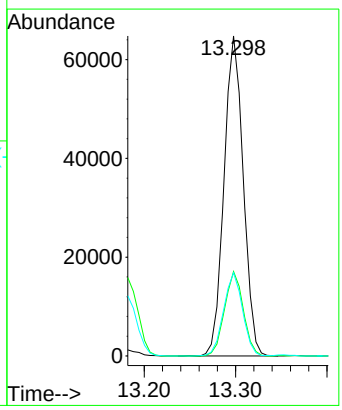


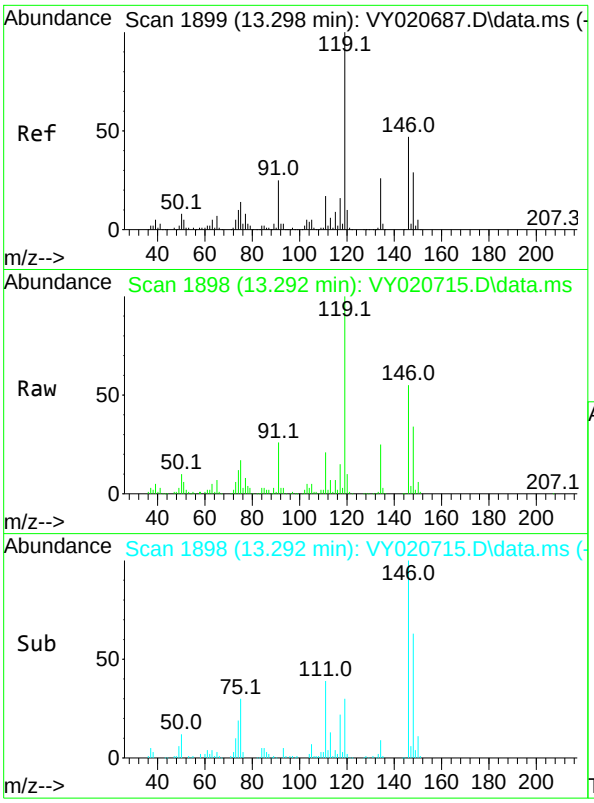


#86
p-Isopropyltoluene
Concen: 19.792 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:119 Resp: 94876

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.4	40.2
91	25.7	12.9	38.6



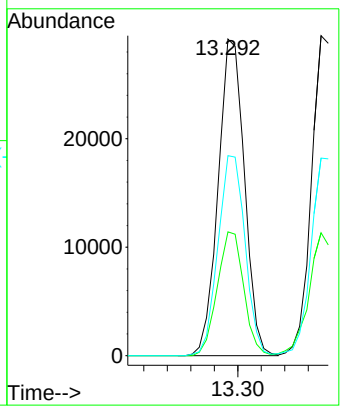


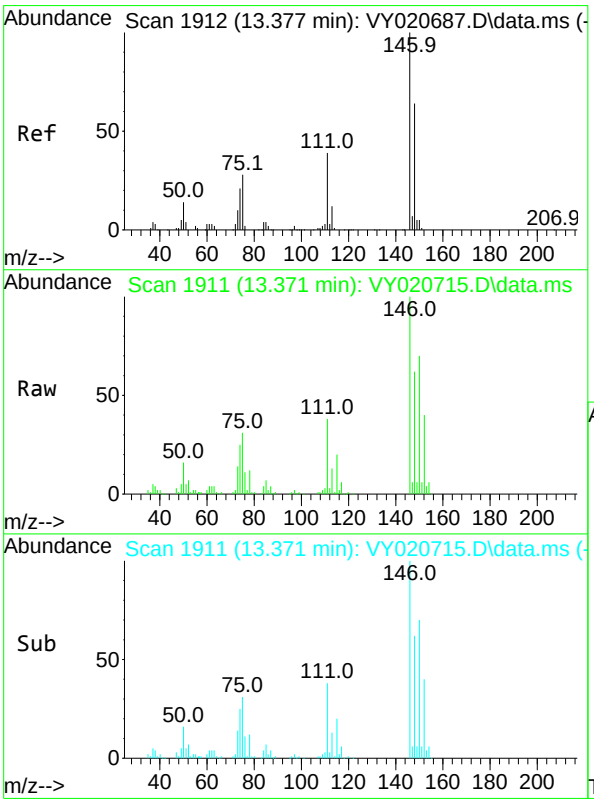
#87
1,3-Dichlorobenzene
Concen: 19.696 ug/l
RT: 13.292 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion:146 Resp: 45455

Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.3	57.8
148	64.9	31.1	93.5

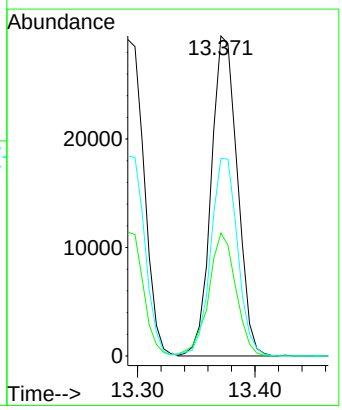


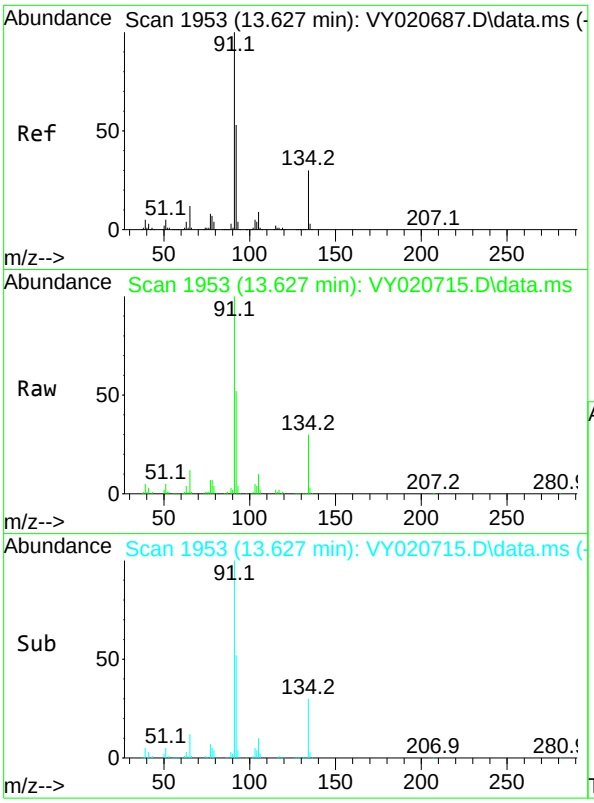


#88
1,4-Dichlorobenzene
Concen: 19.948 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:146 Resp: 45797

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.7	59.0
148	63.3	32.8	98.3



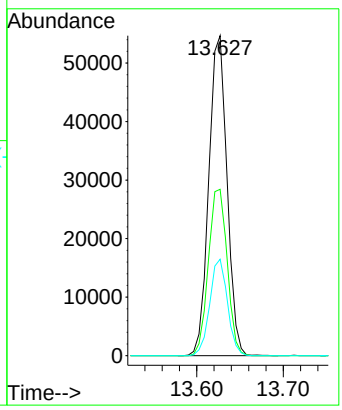


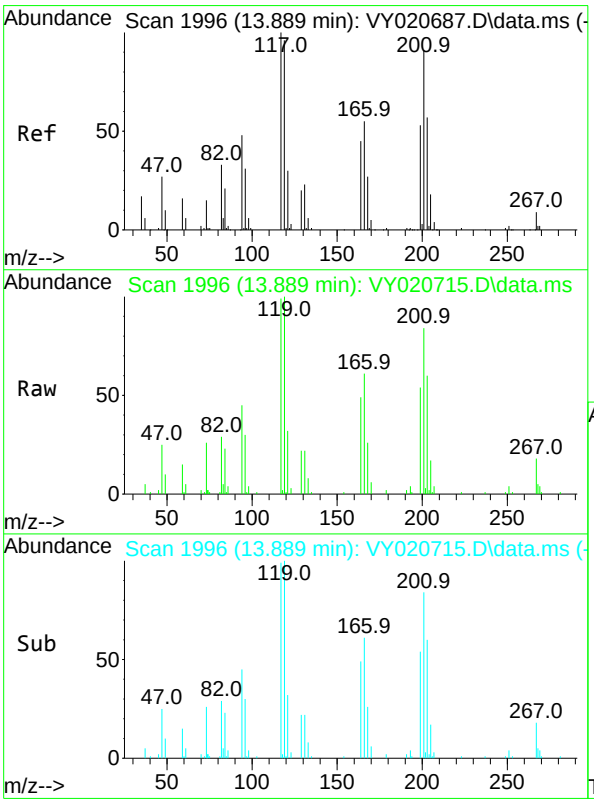
#89
n-Butylbenzene
Concen: 19.949 ug/l
RT: 13.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion: 91 Resp: 79827

Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.1	78.2
134	29.3	14.8	44.4

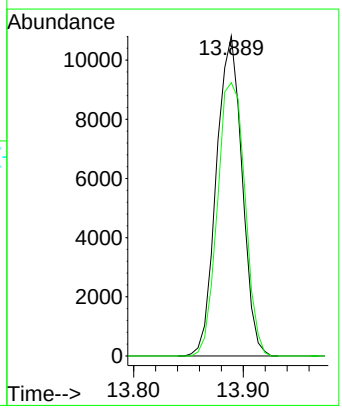


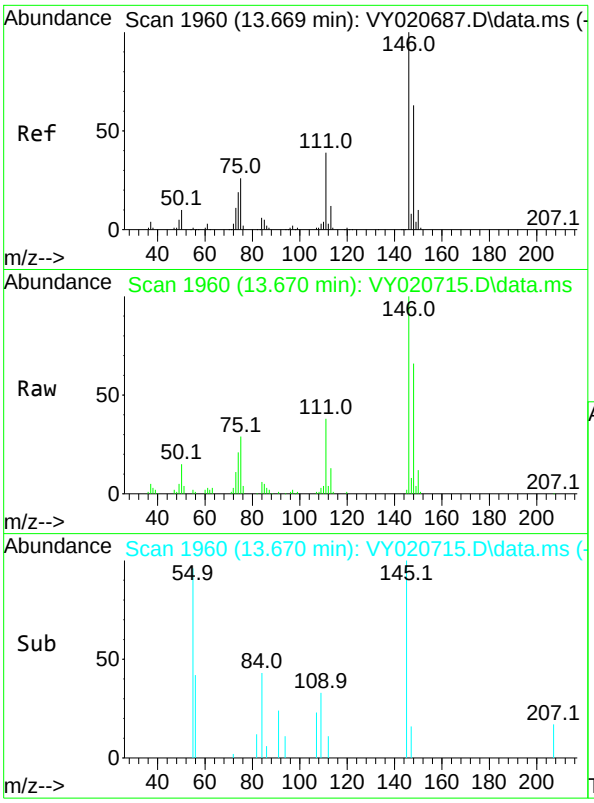


#90
Hexachloroethane
Concen: 19.307 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:117 Resp: 17599

Ion	Ratio	Lower	Upper
117	100		
201	91.6	44.9	134.7



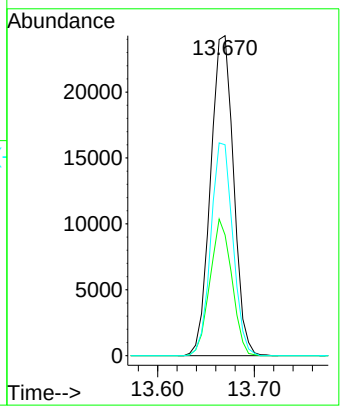


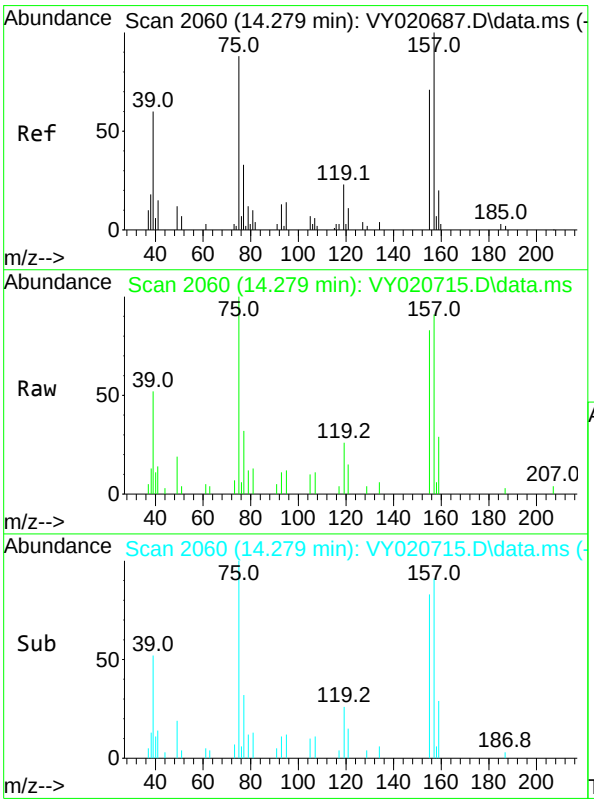
#91
1,2-Dichlorobenzene
Concen: 20.294 ug/l
RT: 13.670 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion:146 Resp: 40158

Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.3	60.8
148	63.7	31.9	95.5

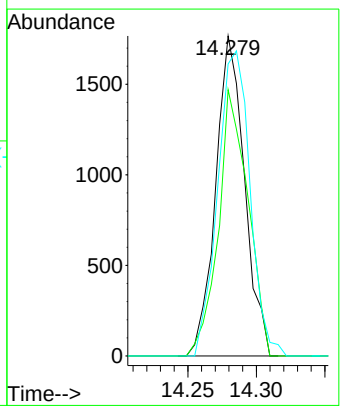


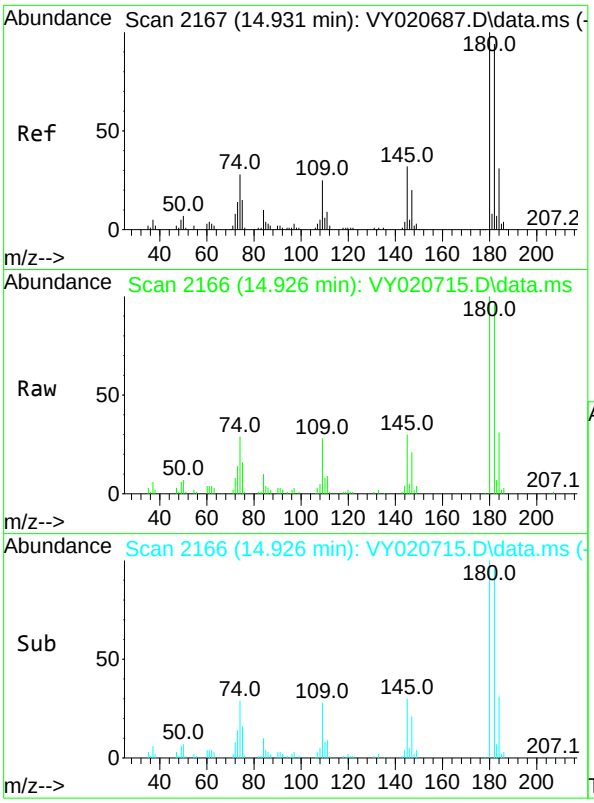


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.237 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion: 75 Resp: 2581

Ion	Ratio	Lower	Upper
75	100		
155	85.5	43.4	130.2
157	107.0	58.6	175.7



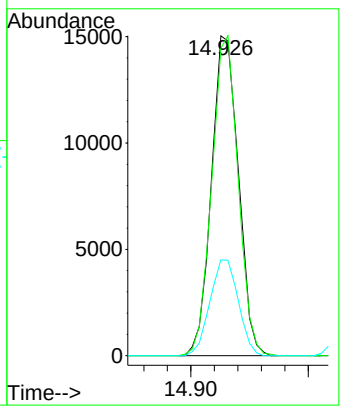


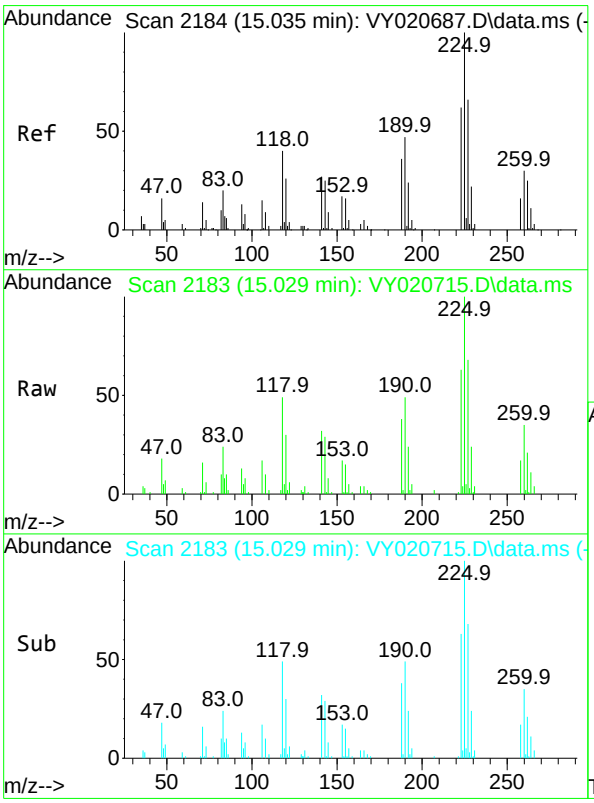
#93
1,2,4-Trichlorobenzene
Concen: 19.039 ug/l
RT: 14.926 min Scan# 21
Delta R.T. -0.005 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion:180 Resp: 23946

Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.9	143.7
145	31.6	15.6	46.8

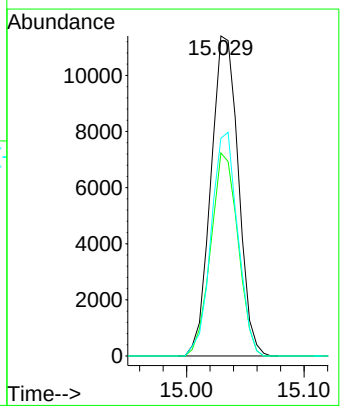


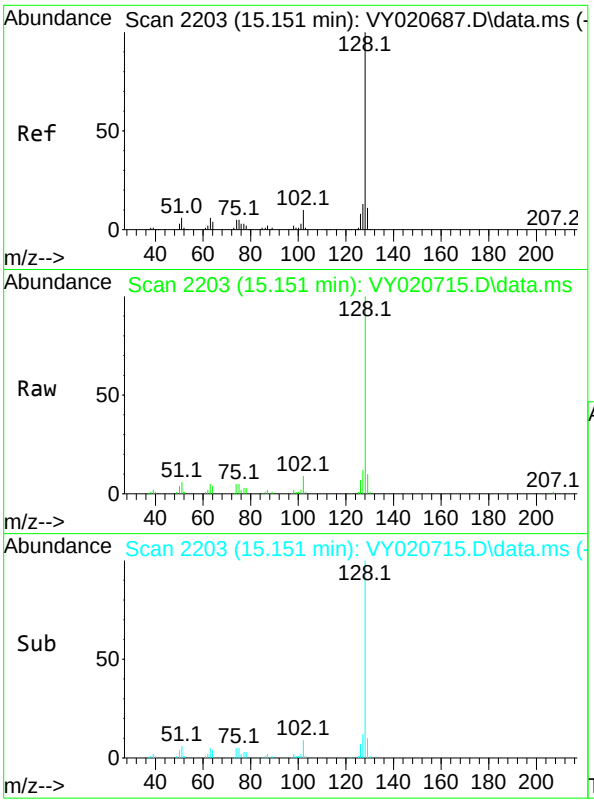


#94
Hexachlorobutadiene
Concen: 20.177 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.006 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:225 Resp: 18496

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.3	93.8
227	67.7	32.1	96.5



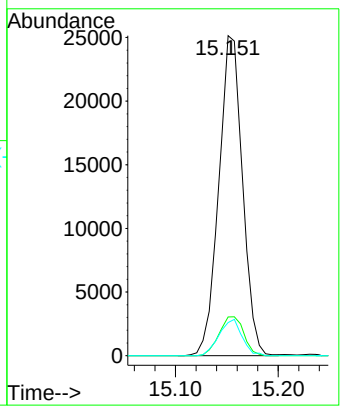


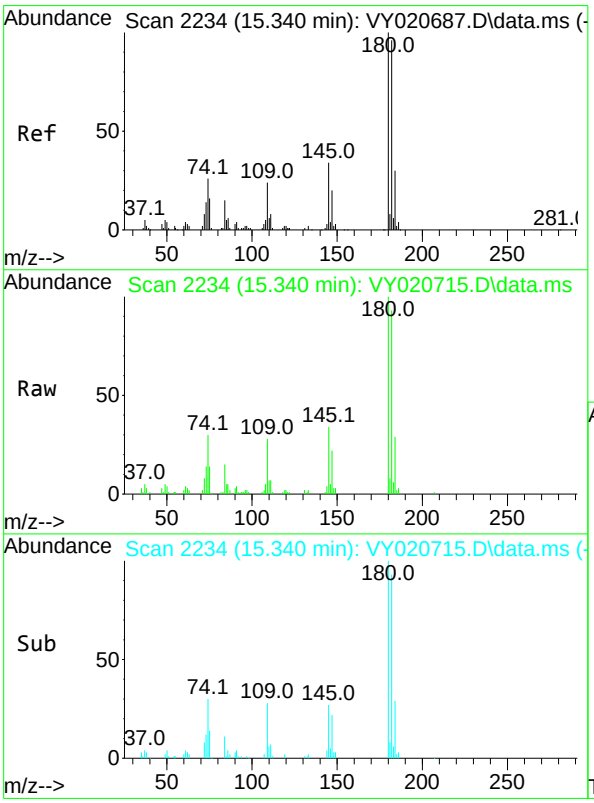
#95
Naphthalene
Concen: 20.005 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBS01

Tgt Ion:128 Resp: 40300

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.7	16.1
129	11.0	8.6	12.8

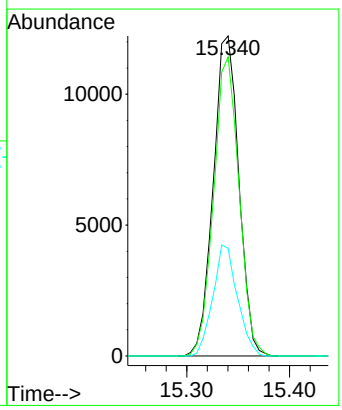




#96
1,2,3-Trichlorobenzene
Concen: 20.151 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.000 min
Lab File: VY020715.D
Acq: 26 Dec 2024 14:32

Tgt Ion:180 Resp: 21103

Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.4	142.2
145	33.4	16.7	50.1



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020716.D
Acq On : 26 Dec 2024 14:54
Operator : SY/MD
Sample : VY1226SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Quant Time: Dec 26 16:20:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.713	168	115773	50.000	ug/l		-0.01
34) 1,4-Difluorobenzene	8.622	114	164224	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	140702	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	73666	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.067	65	54334	57.297	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.600%				
35) Dibromofluoromethane	7.640	113	48081	53.153	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.300%				
50) Toluene-d8	10.109	98	187843	52.144	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.280%				
62) 4-Bromofluorobenzene	12.408	95	63630	52.931	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 105.860%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.873	85	17441	19.139	ug/l		98
3) Chloromethane	2.074	50	6322	18.602	ug/l		98
4) Vinyl Chloride	2.208	62	7607	18.066	ug/l		99
5) Bromomethane	2.598	94	6224	19.577	ug/l		99
6) Chloroethane	2.739	64	4905	19.418	ug/l	#	79
7) Trichlorofluoromethane	3.068	101	30303	18.714	ug/l		98
8) Diethyl Ether	3.464	74	7587	19.690	ug/l		92
9) 1,1,2-Trichlorotrifluo...	3.818	101	17468	19.650	ug/l		98
10) Methyl Iodide	4.013	142	17994	18.511	ug/l		99
11) Tert butyl alcohol	4.878	59	7675	118.687	ug/l	#	86
12) 1,1-Dichloroethene	3.799	96	14934	18.874	ug/l		95
13) Acrolein	3.659	56	2748	138.625	ug/l		94
14) Allyl chloride	4.397	41	17724	19.142	ug/l		97
15) Acrylonitrile	5.061	53	15350	103.122	ug/l		97
16) Acetone	3.879	43	11944	99.286	ug/l		90
17) Carbon Disulfide	4.116	76	34956	18.010	ug/l	#	95
18) Methyl Acetate	4.397	43	6556	20.136	ug/l		97
19) Methyl tert-butyl Ether	5.128	73	45438	20.603	ug/l		98
20) Methylene Chloride	4.622	84	15375	19.651	ug/l		91
21) trans-1,2-Dichloroethene	5.128	96	16474	19.321	ug/l		95
22) Diisopropyl ether	6.031	45	38970	20.704	ug/l		95
23) Vinyl Acetate	5.970	43	116491	103.614	ug/l		100
24) 1,1-Dichloroethane	5.921	63	28192	19.977	ug/l		99
25) 2-Butanone	6.902	43	17284	106.360	ug/l		96
26) 2,2-Dichloropropane	6.896	77	33722	19.523	ug/l		100
27) cis-1,2-Dichloroethene	6.896	96	20089	19.674	ug/l		99
28) Bromochloromethane	7.256	49	6573	17.613	ug/l		94
29) Tetrahydrofuran	7.268	42	10662	106.889	ug/l		96
30) Chloroform	7.433	83	36048	19.857	ug/l		95
31) Cyclohexane	7.713	56	23333	19.155	ug/l	#	94
32) 1,1,1-Trichloroethane	7.628	97	37936	19.495	ug/l		98
36) 1,1-Dichloropropene	7.847	75	22746	19.036	ug/l		98
37) Ethyl Acetate	7.000	43	8095	20.559	ug/l	#	96
38) Carbon Tetrachloride	7.829	117	37355	18.985	ug/l		96
39) Methylcyclohexane	9.115	83	29413	19.205	ug/l		95
40) Benzene	8.085	78	67196	19.404	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020716.D
Acq On : 26 Dec 2024 14:54
Operator : SY/MD
Sample : VY1226SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Quant Time: Dec 26 16:20:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.232	41	3914	19.679 ug/l #	90
42) 1,2-Dichloroethane	8.164	62	21623	19.473 ug/l	98
43) Isopropyl Acetate	8.201	43	17100	20.432 ug/l #	88
44) Trichloroethene	8.872	130	20239	19.567 ug/l	96
45) 1,2-Dichloropropane	9.146	63	13502	19.262 ug/l	97
46) Dibromomethane	9.237	93	9888	20.387 ug/l	98
47) Bromodichloromethane	9.426	83	26772	19.469 ug/l	96
48) Methyl methacrylate	9.225	41	7800	19.957 ug/l	99
49) 1,4-Dioxane	9.231	88	2134	461.904 ug/l #	87
51) 4-Methyl-2-Pentanone	9.999	43	42327	104.782 ug/l	99
52) Toluene	10.176	92	46778	19.709 ug/l	99
53) t-1,3-Dichloropropene	10.396	75	24006	19.877 ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	26559	20.063 ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	12818	20.704 ug/l	95
56) Ethyl methacrylate	10.445	69	16409	20.175 ug/l	99
57) 1,3-Dichloropropane	10.719	76	20462	20.363 ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	29367	103.542 ug/l	99
59) 2-Hexanone	10.762	43	28166	105.605 ug/l	100
60) Dibromochloromethane	10.914	129	20157	20.149 ug/l	100
61) 1,2-Dibromoethane	11.018	107	11828	20.304 ug/l	98
64) Tetrachloroethene	10.652	164	18659	19.410 ug/l	99
65) Chlorobenzene	11.444	112	55362	20.095 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	21331	19.985 ug/l	98
67) Ethyl Benzene	11.524	91	94825	19.693 ug/l	97
68) m/p-Xylenes	11.633	106	73507	40.019 ug/l	99
69) o-Xylene	11.956	106	34142	19.455 ug/l	96
70) Styrene	11.975	104	58678	19.918 ug/l	99
71) Bromoform	12.139	173	12816	20.885 ug/l #	94
73) Isopropylbenzene	12.255	105	97450	19.094 ug/l	99
74) N-amyl acetate	12.072	43	14818	20.431 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	13020	19.900 ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	19055	40.670 ug/l #	100
77) Bromobenzene	12.536	156	22787	19.396 ug/l	99
78) n-propylbenzene	12.597	91	110719	19.355 ug/l	99
79) 2-Chlorotoluene	12.682	91	63619	19.509 ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	82956	19.509 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	4691	19.790 ug/l	96
82) 4-Chlorotoluene	12.779	91	64772	19.219 ug/l	99
83) tert-Butylbenzene	12.999	119	78168	19.685 ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	81496	19.695 ug/l	98
85) sec-Butylbenzene	13.182	105	104334	19.495 ug/l	99
86) p-Isopropyltoluene	13.298	119	91757	19.238 ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	45422	19.781 ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	44221	19.360 ug/l	98
89) n-Butylbenzene	13.621	91	77813	19.544 ug/l	100
90) Hexachloroethane	13.883	117	16909	18.644 ug/l	96
91) 1,2-Dichlorobenzene	13.663	146	39466	20.046 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	2690	21.198 ug/l	97
93) 1,2,4-Trichlorobenzene	14.925	180	24888	19.888 ug/l	98
94) Hexachlorobutadiene	15.029	225	17981	19.715 ug/l	98
95) Naphthalene	15.151	128	39363	19.639 ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	20507	19.681 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020716.D
Acq On : 26 Dec 2024 14:54
Operator : SY/MD
Sample : VY1226SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Quant Time: Dec 26 16:20:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

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

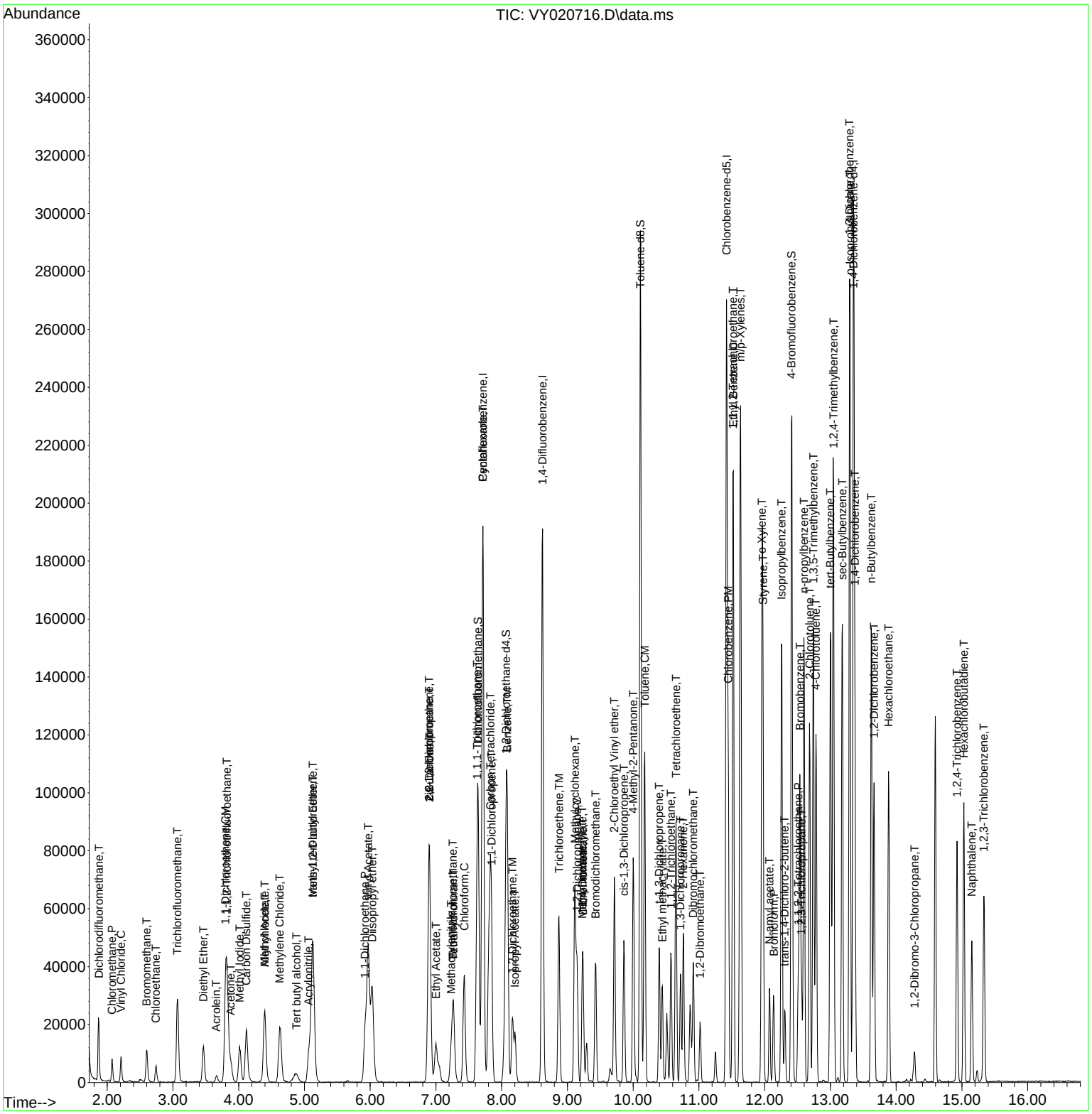
(#) = qualifier out of range (m) = manual integration (+) = signals summed

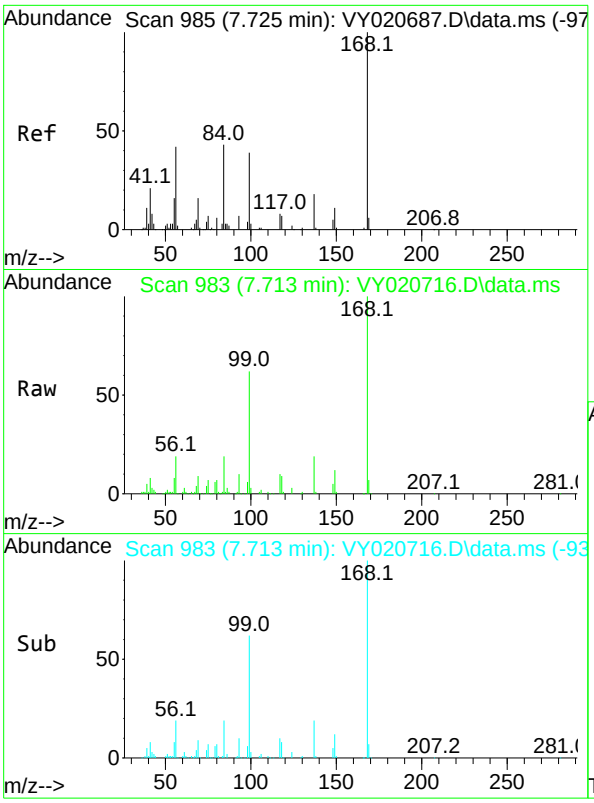
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020716.D
Acq On : 26 Dec 2024 14:54
Operator : SY/MD
Sample : VY1226SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Quant Time: Dec 26 16:20:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration



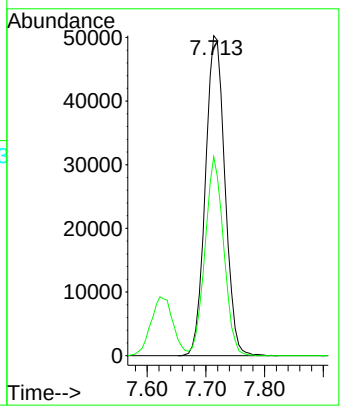


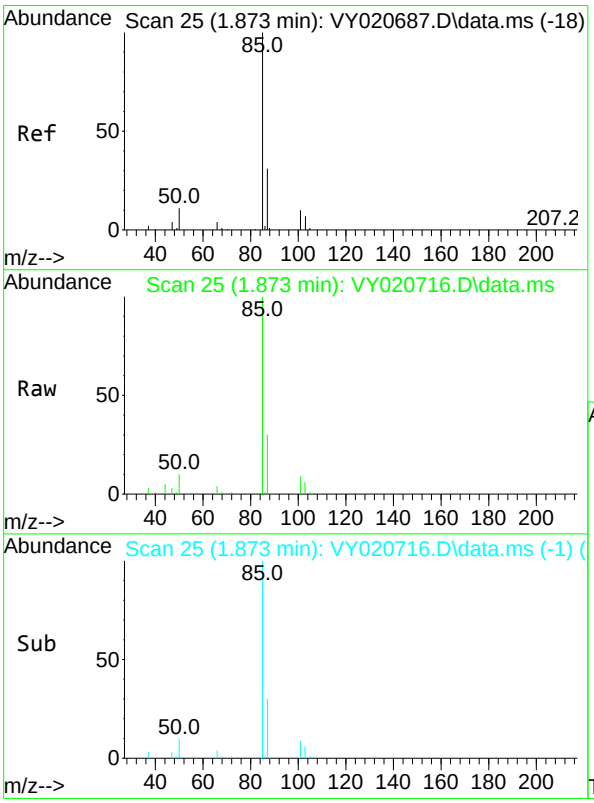
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion:168 Resp: 115773

Ion	Ratio	Lower	Upper
168	100		
99	62.1	43.8	65.6

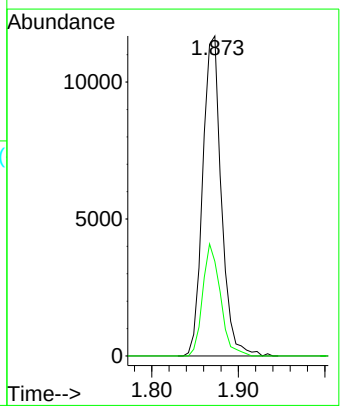


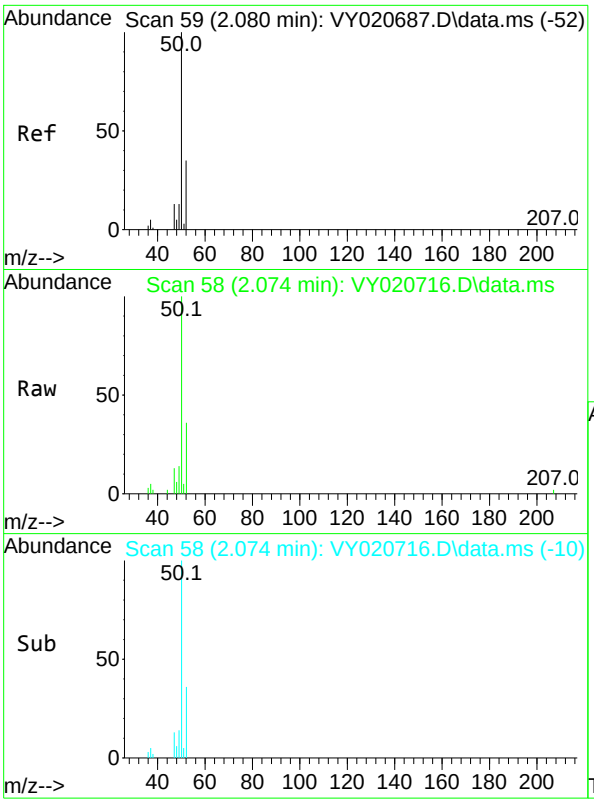


#2
Dichlorodifluoromethane
Concen: 19.139 ug/l
RT: 1.873 min Scan# 25
Delta R.T. -0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 85 Resp: 17441

Ion	Ratio	Lower	Upper
85	100		
87	29.6	15.4	46.4



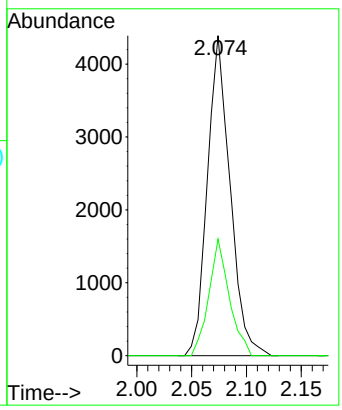


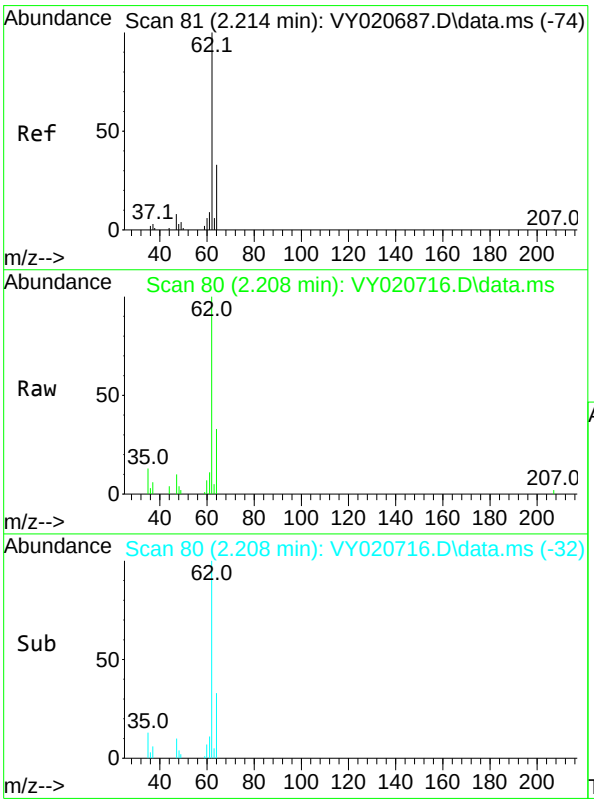
#3
Chloromethane
Concen: 18.602 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 50 Resp: 6322

Ion	Ratio	Lower	Upper
50	100		
52	36.4	28.2	42.2

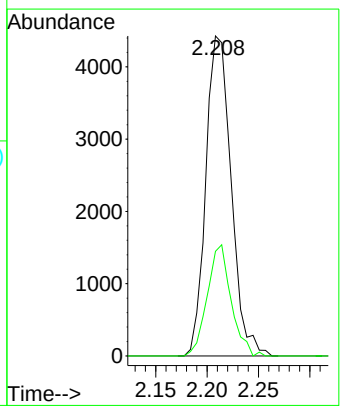


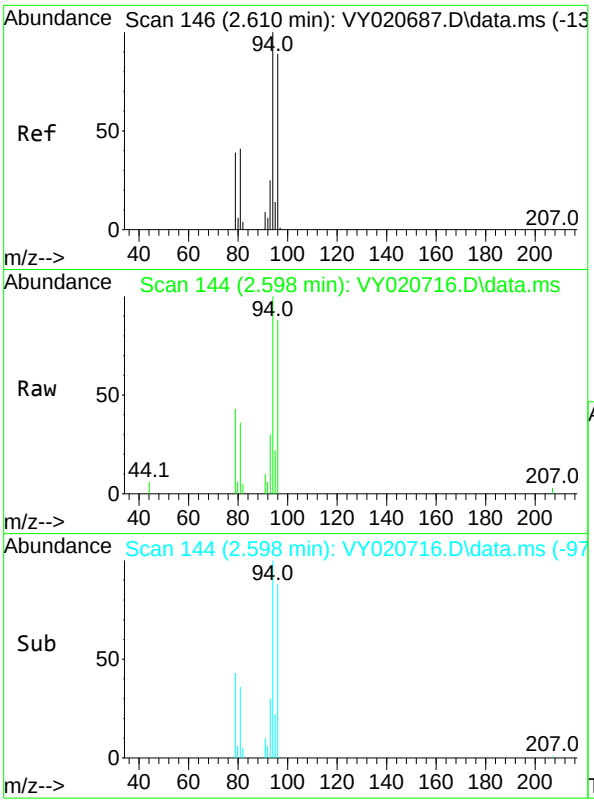


#4
Vinyl Chloride
Concen: 18.066 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 62 Resp: 7607

Ion	Ratio	Lower	Upper
62	100		
64	32.7	26.6	40.0



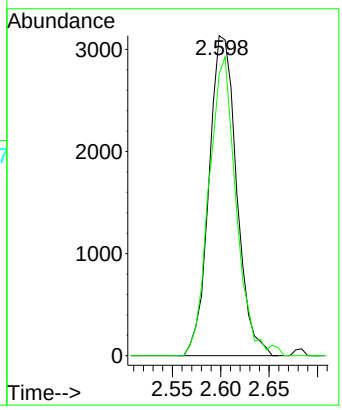


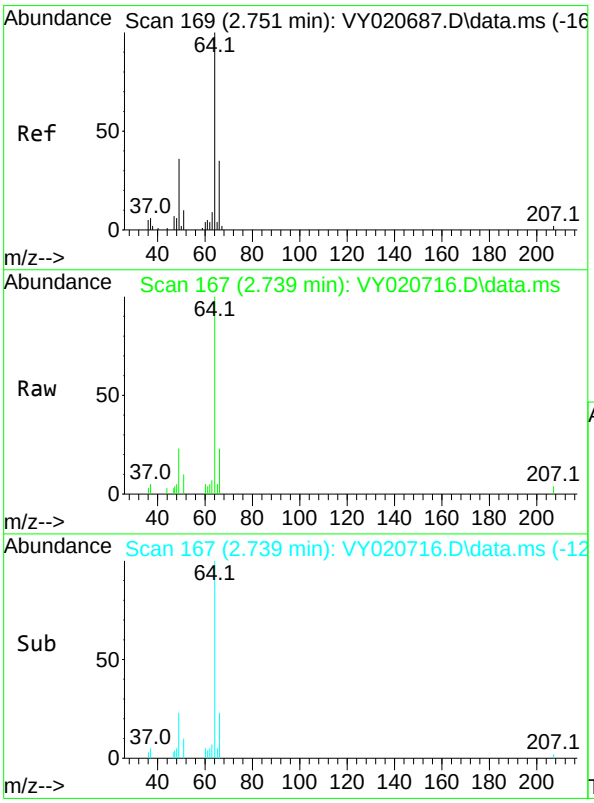
#5
Bromomethane
Concen: 19.577 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 94 Resp: 6224

Ion	Ratio	Lower	Upper
94	100		
96	88.1	71.0	106.6

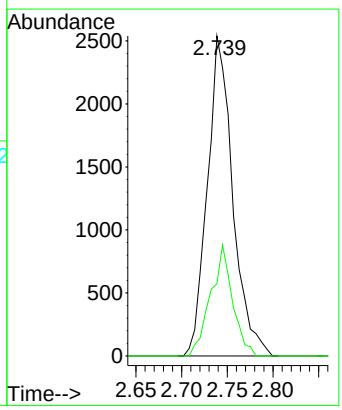


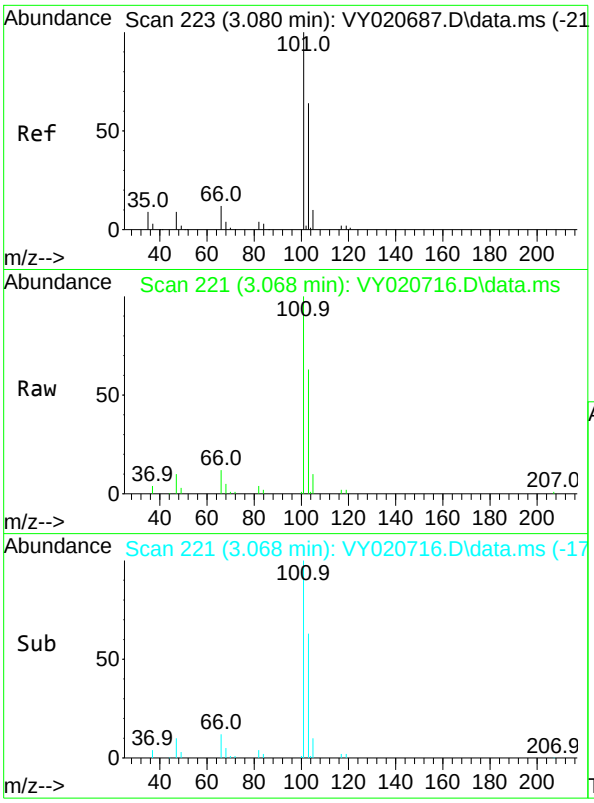


#6
Chloroethane
Concen: 19.418 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.012 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 64 Resp: 4905

Ion	Ratio	Lower	Upper
64	100		
66	22.6	27.8	41.8#



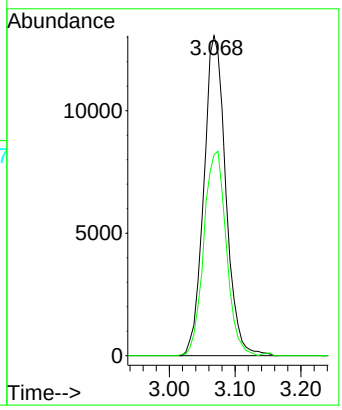


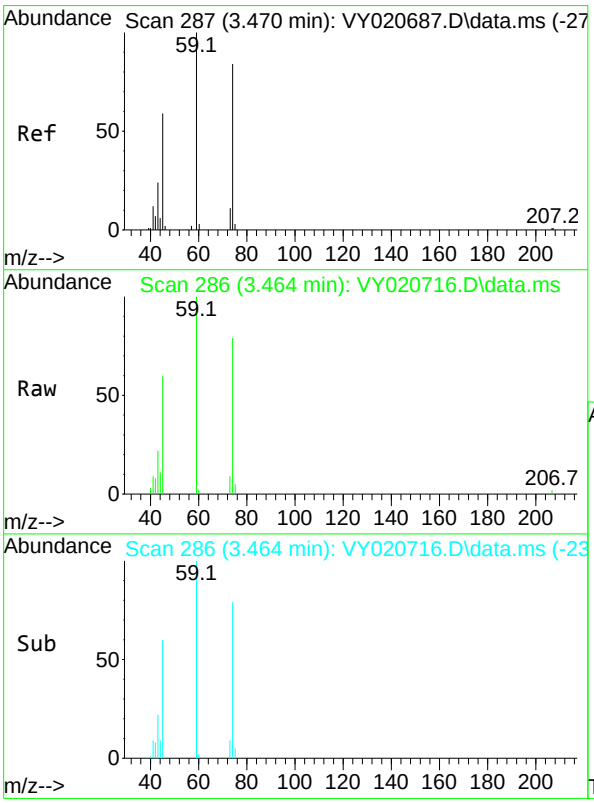
#7
Trichlorofluoromethane
Concen: 18.714 ug/l
RT: 3.068 min Scan# 2
Delta R.T. -0.012 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion:101 Resp: 30303

Ion	Ratio	Lower	Upper
101	100		
103	62.9	51.4	77.0

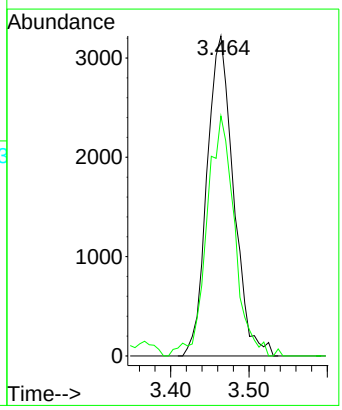


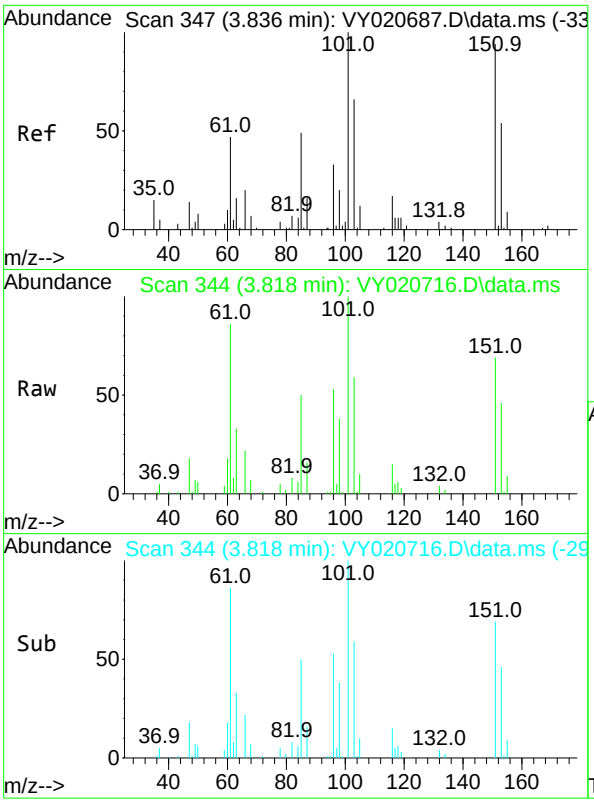


#8
Diethyl Ether
Concen: 19.690 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 74 Resp: 7587

Ion	Ratio	Lower	Upper
74	100		
45	77.9	35.8	107.4



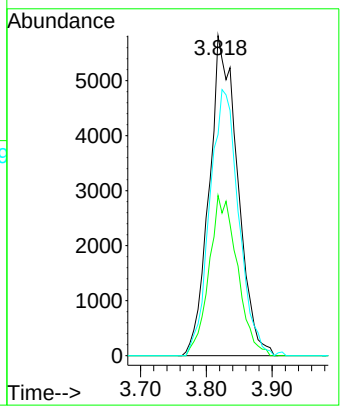


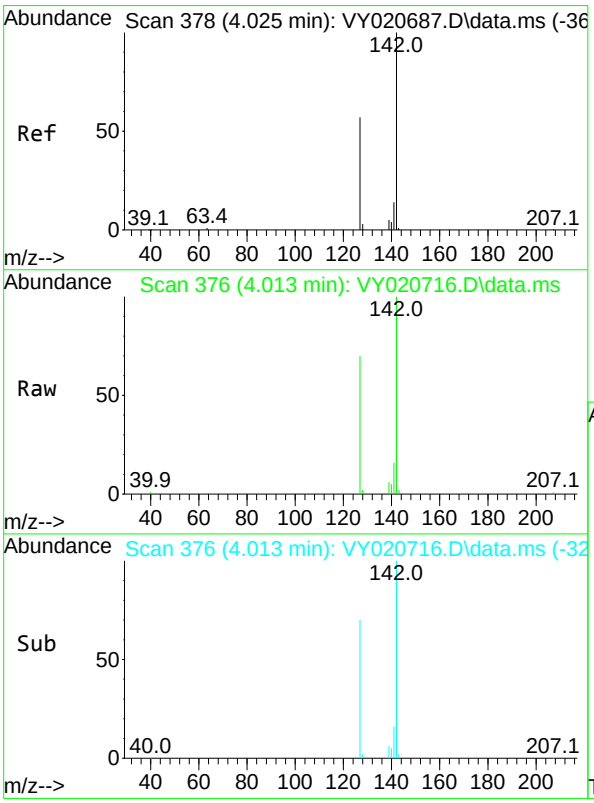
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.650 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.018 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion:101 Resp: 17468

Ion	Ratio	Lower	Upper
101	100		
85	49.6	38.2	57.2
151	84.6	68.4	102.6

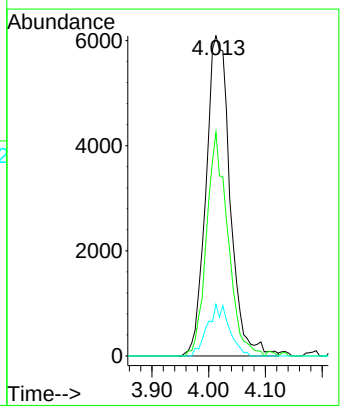


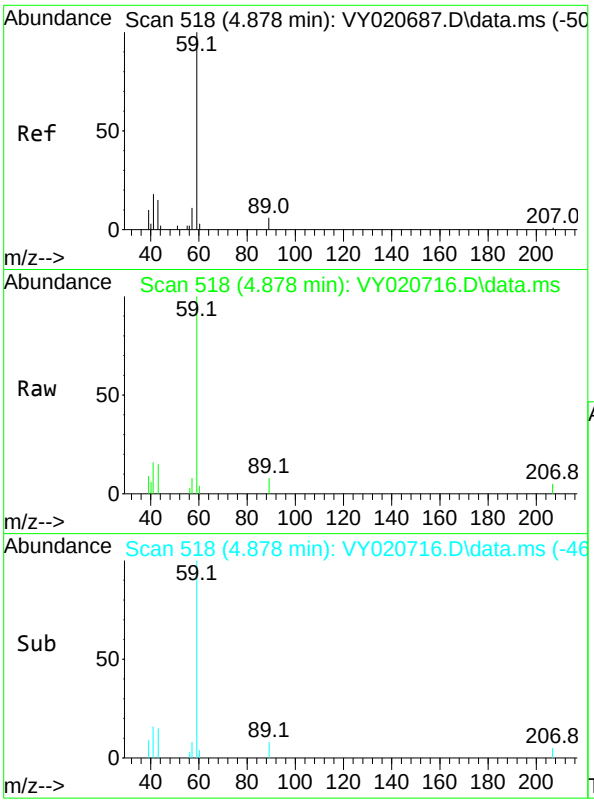


#10
Methyl Iodide
Concen: 18.511 ug/l
RT: 4.013 min Scan# 376
Delta R.T. -0.012 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:142 Resp: 17994

Ion	Ratio	Lower	Upper
142	100		
127	61.7	48.8	73.2
141	14.6	11.9	17.9



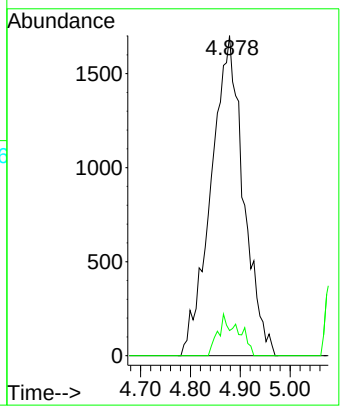


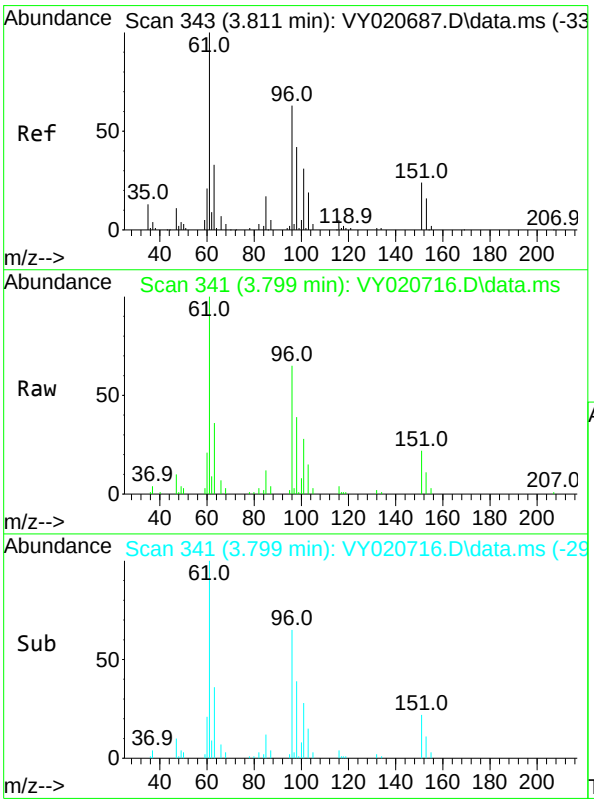
#11
Tert butyl alcohol
Concen: 118.687 ug/l
RT: 4.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 59 Resp: 7675

Ion	Ratio	Lower	Upper
59	100		
57	8.1	2.8	4.2#

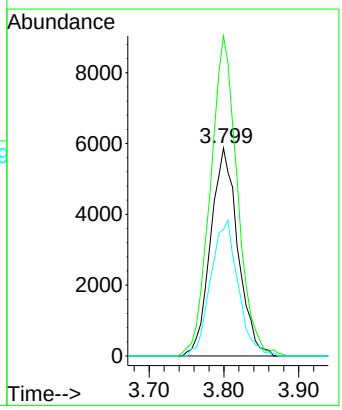


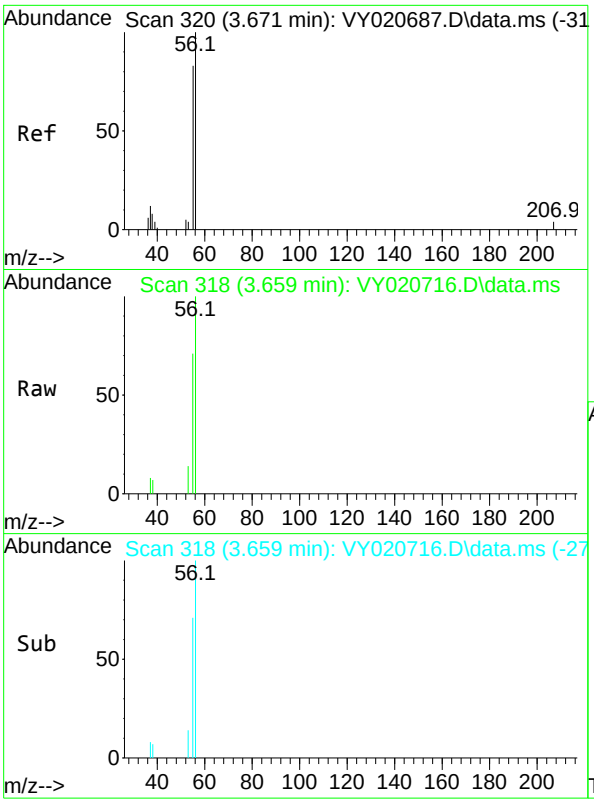


#12
1,1-Dichloroethene
Concen: 18.874 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.012 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 96 Resp: 14934

Ion	Ratio	Lower	Upper
96	100		
61	154.0	127.1	190.7
98	60.8	53.4	80.0



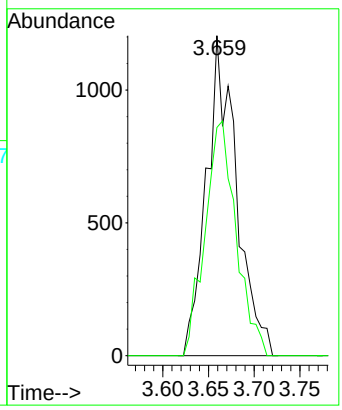


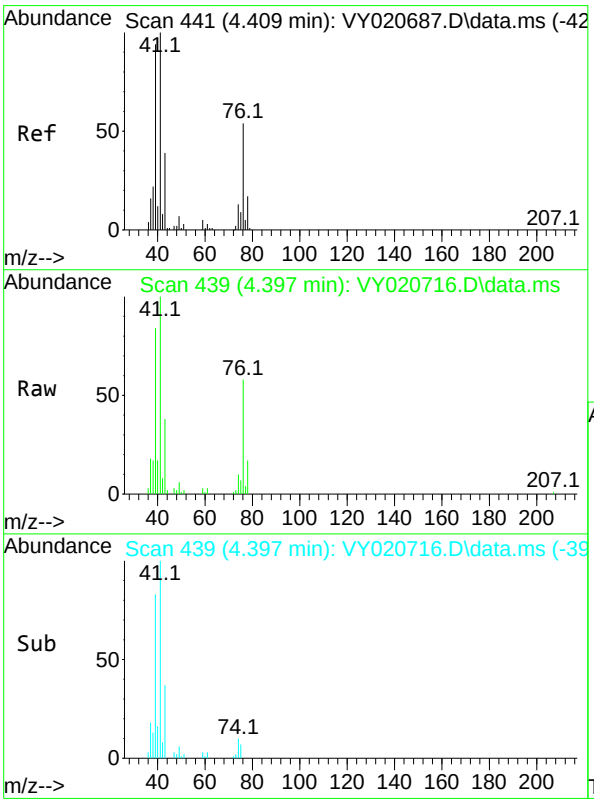
#13
Acrolein
Concen: 138.625 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 56 Resp: 2748

Ion	Ratio	Lower	Upper
56	100		
55	76.1	57.0	85.4

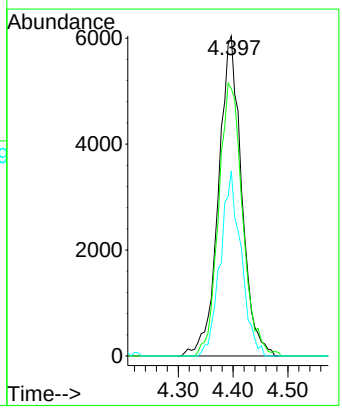


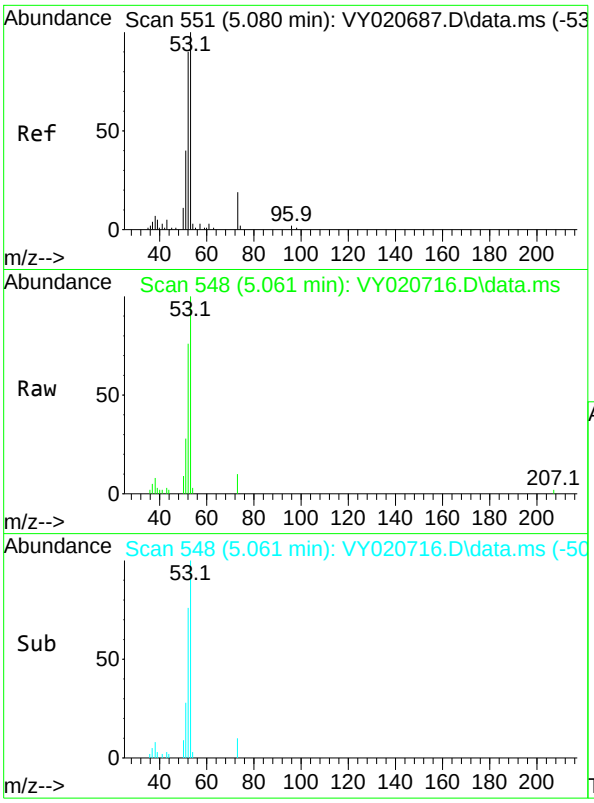


#14
Allyl chloride
Concen: 19.142 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.012 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 41 Resp: 17724

Ion	Ratio	Lower	Upper
41	100		
39	88.0	73.5	110.3
76	51.8	41.8	62.8



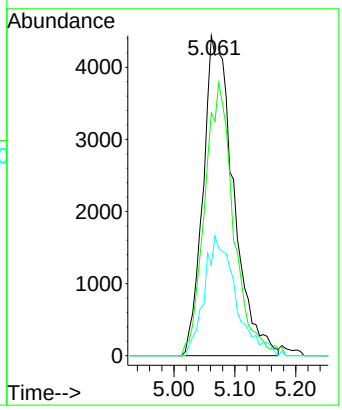


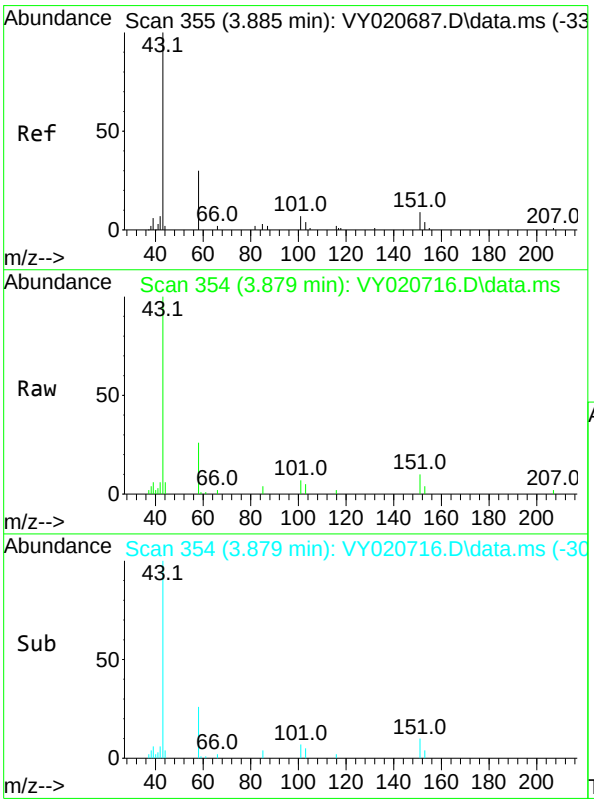
#15
Acrylonitrile
Concen: 103.122 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.019 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 53 Resp: 15350

Ion	Ratio	Lower	Upper
53	100		
52	80.7	67.1	100.7
51	38.8	31.4	47.0

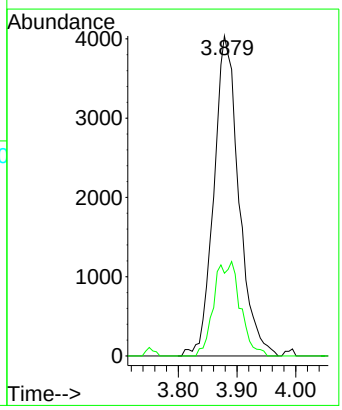


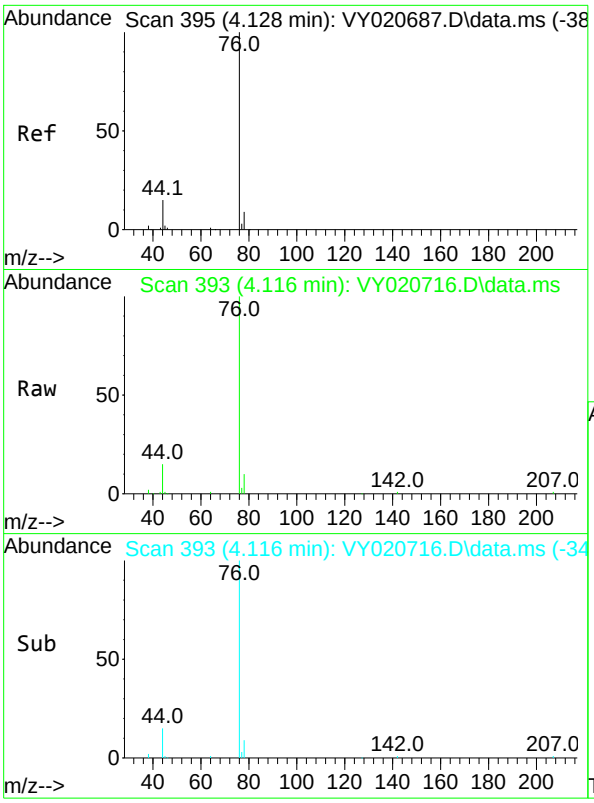


#16
Acetone
Concen: 99.286 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 43 Resp: 11944

Ion	Ratio	Lower	Upper
43	100		
58	25.8	25.0	37.6



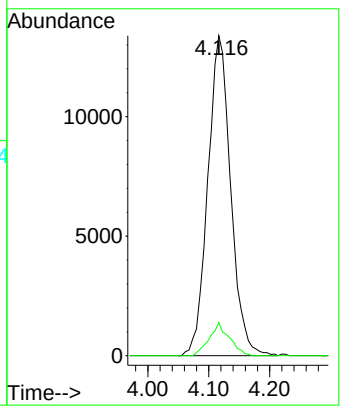


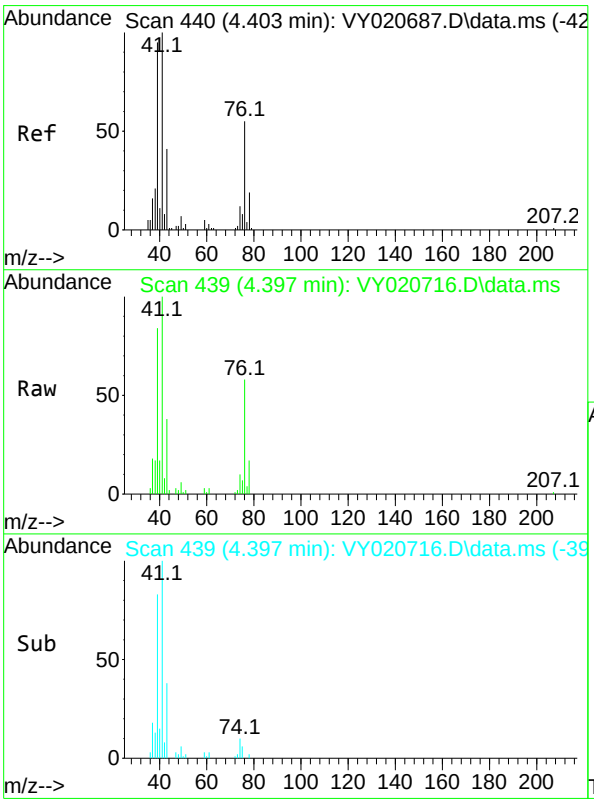
#17
Carbon Disulfide
Concen: 18.010 ug/l
RT: 4.116 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 76 Resp: 34956

Ion	Ratio	Lower	Upper
76	100		
78	10.3	6.9	10.3#

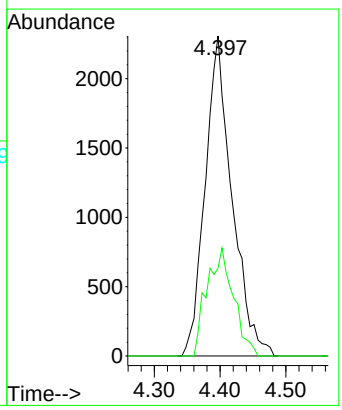


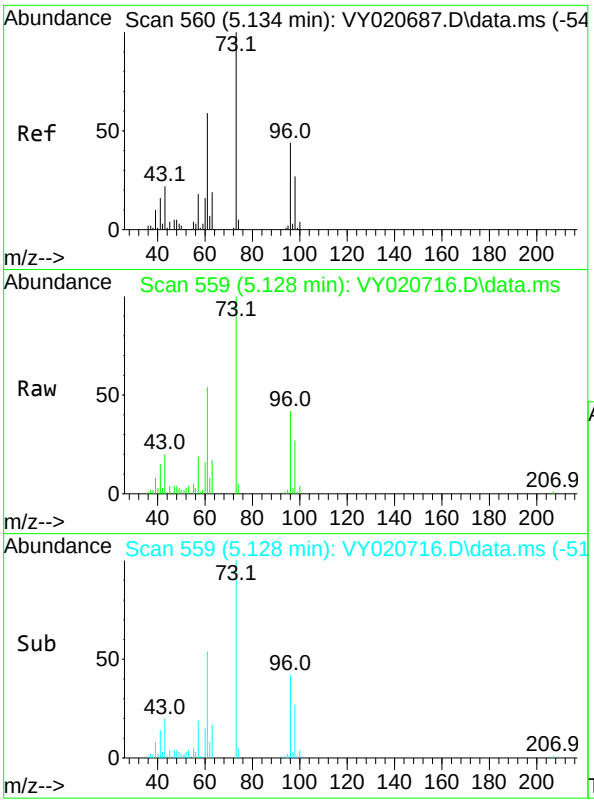


#18
Methyl Acetate
Concen: 20.136 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 43 Resp: 6556

Ion	Ratio	Lower	Upper
43	100		
74	33.3	25.3	37.9



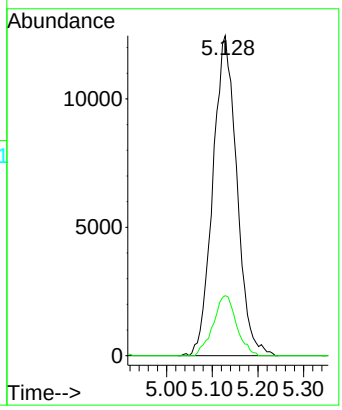


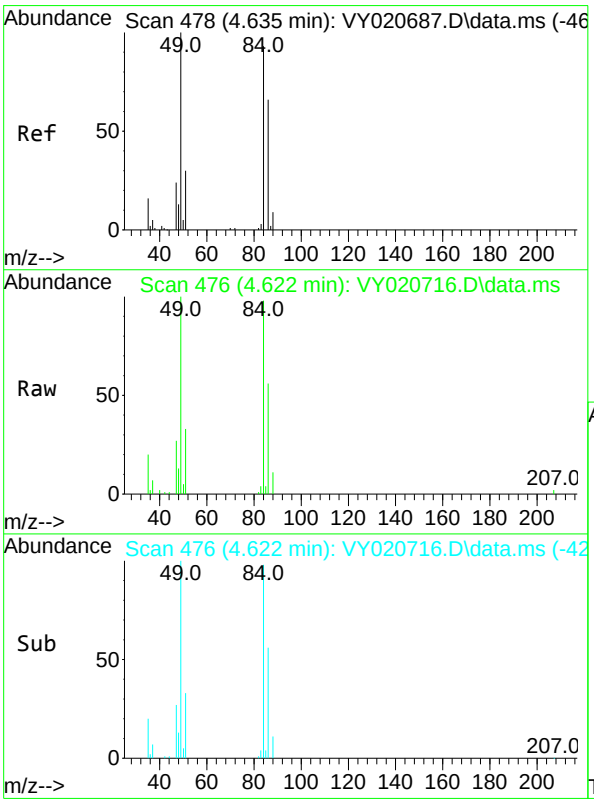
#19
Methyl tert-butyl Ether
Concen: 20.603 ug/l
RT: 5.128 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 73 Resp: 45438

Ion	Ratio	Lower	Upper
73	100		
57	18.8	14.4	21.6

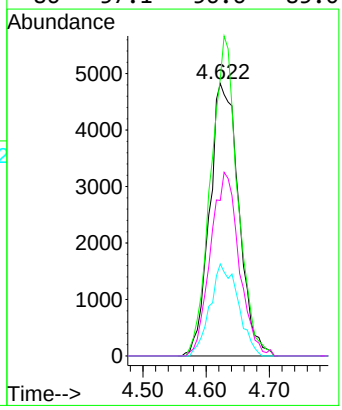


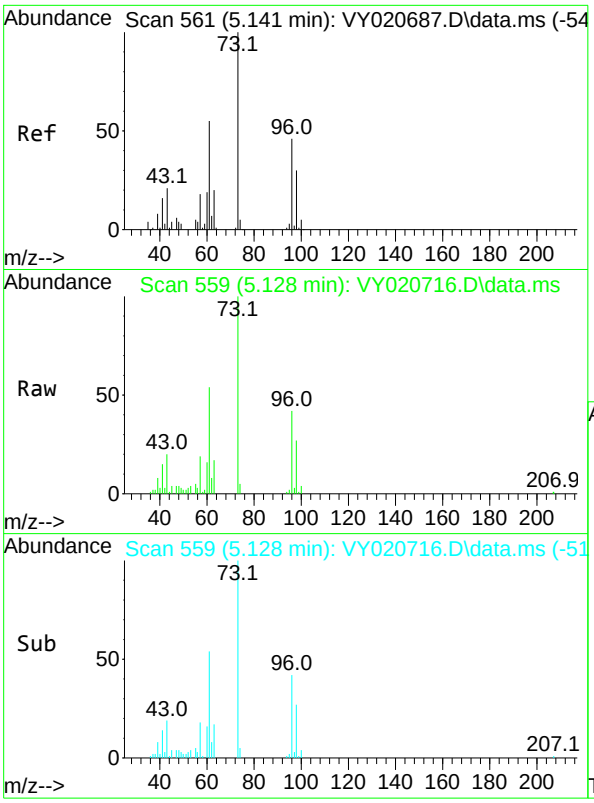


#20
Methylene Chloride
Concen: 19.651 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.013 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 84 Resp: 15375

Ion	Ratio	Lower	Upper
84	100		
49	101.8	86.4	129.6
51	33.8	25.5	38.3
86	57.1	56.6	85.0



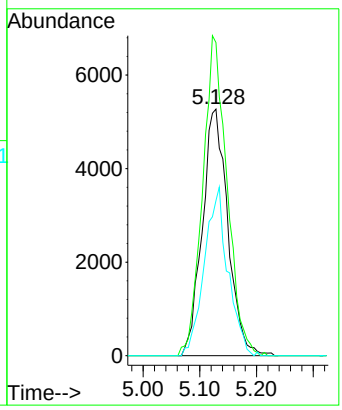


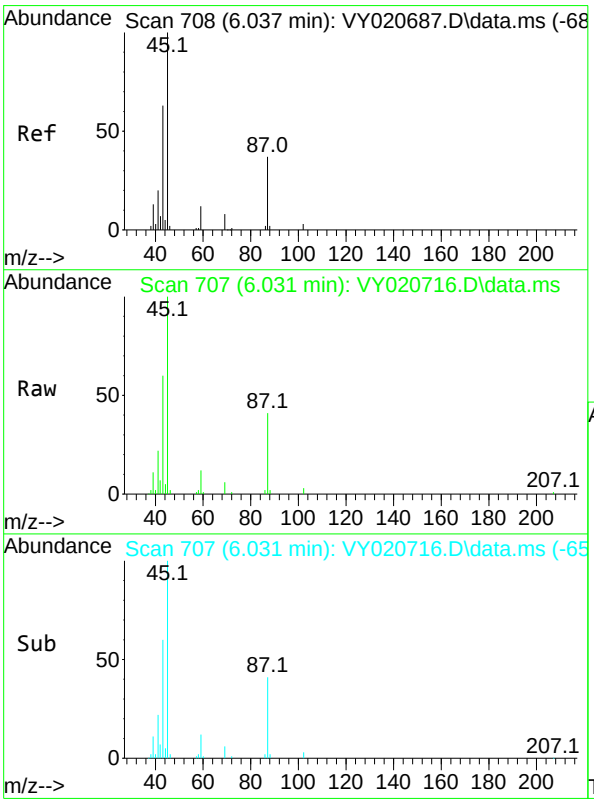
#21
trans-1,2-Dichloroethene
Concen: 19.321 ug/l
RT: 5.128 min Scan# 5
Delta R.T. -0.013 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 96 Resp: 16474

Ion	Ratio	Lower	Upper
96	100		
61	127.0	96.1	144.1
98	62.8	52.7	79.1

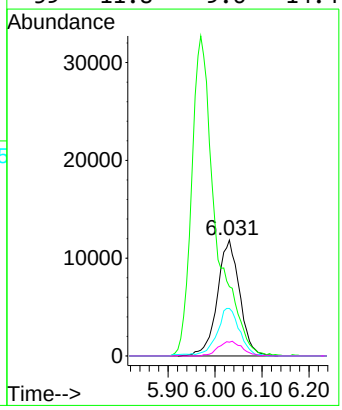


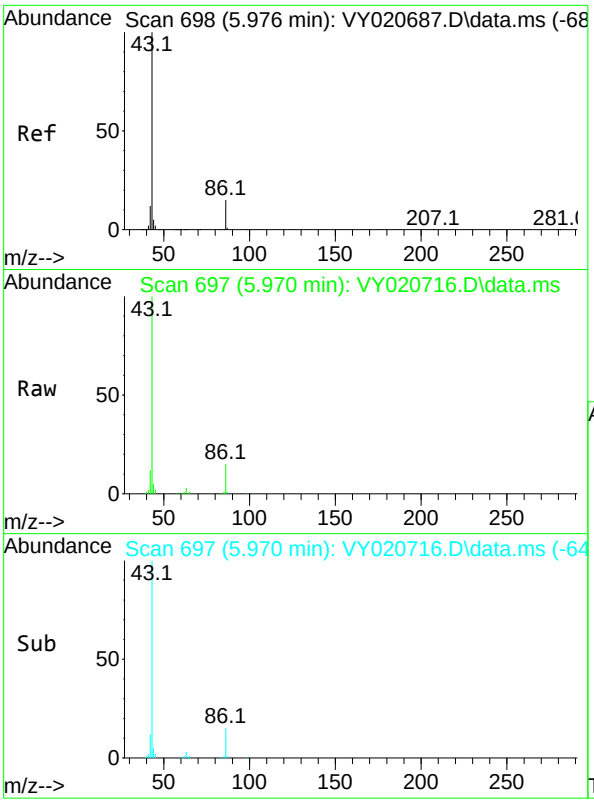


#22
Diisopropyl ether
Concen: 20.704 ug/l
RT: 6.031 min Scan# 707
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 45 Resp: 38970

Ion	Ratio	Lower	Upper
45	100		
43	58.9	51.3	76.9
87	41.1	30.6	46.0
59	11.8	9.6	14.4



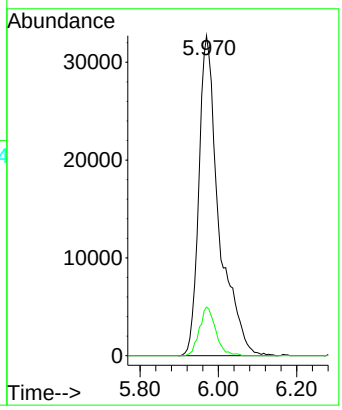


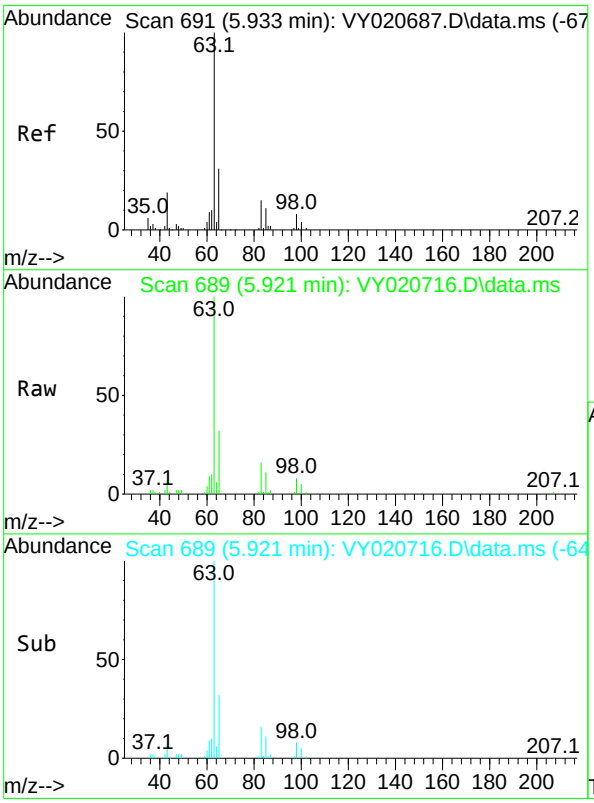
#23
Vinyl Acetate
Concen: 103.614 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 43 Resp: 116491

Ion	Ratio	Lower	Upper
43	100		
86	15.2	12.0	18.0

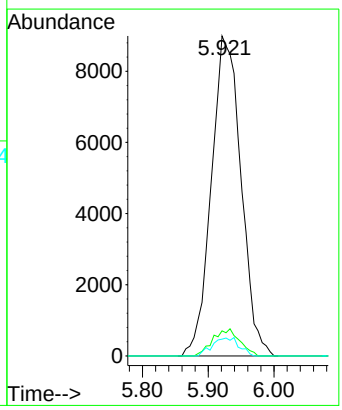


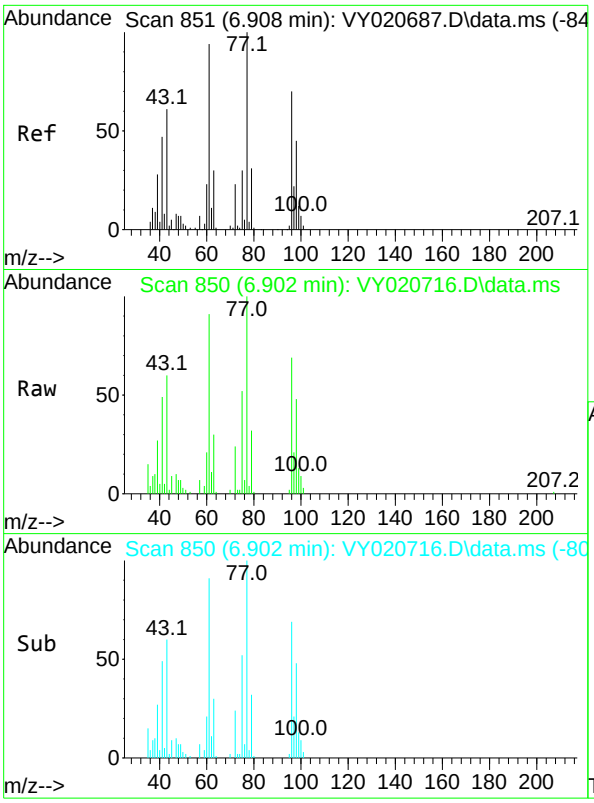


#24
1,1-Dichloroethane
Concen: 19.977 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.012 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 63 Resp: 28192

Ion	Ratio	Lower	Upper
63	100		
98	7.9	4.0	12.0
100	5.2	2.1	6.2



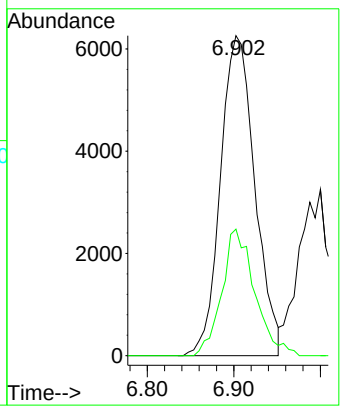


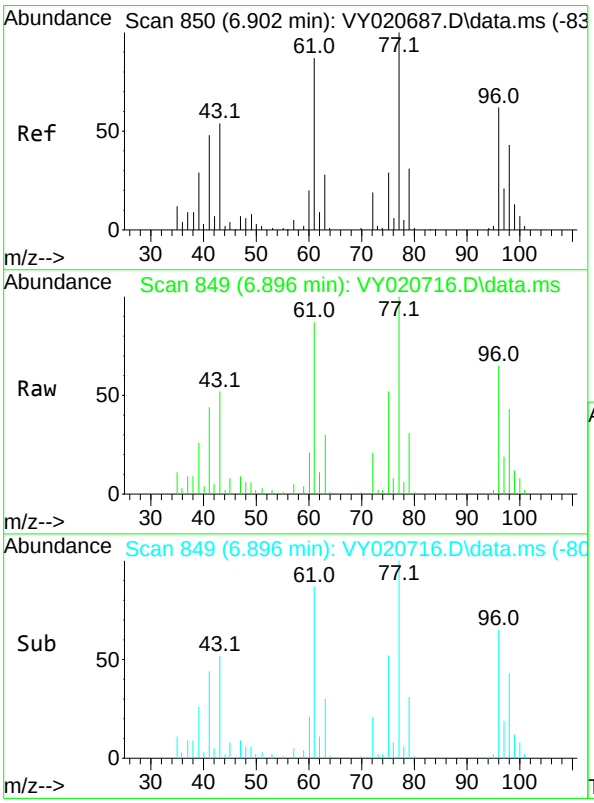
#25
2-Butanone
Concen: 106.360 ug/l
RT: 6.902 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 43 Resp: 17284

Ion	Ratio	Lower	Upper
43	100		
72	39.5	29.5	44.3

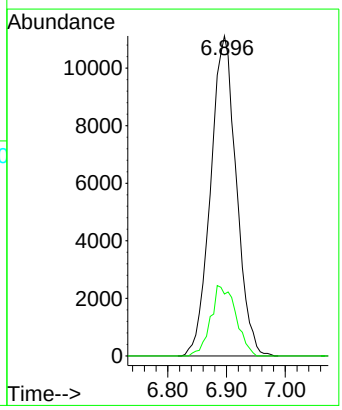


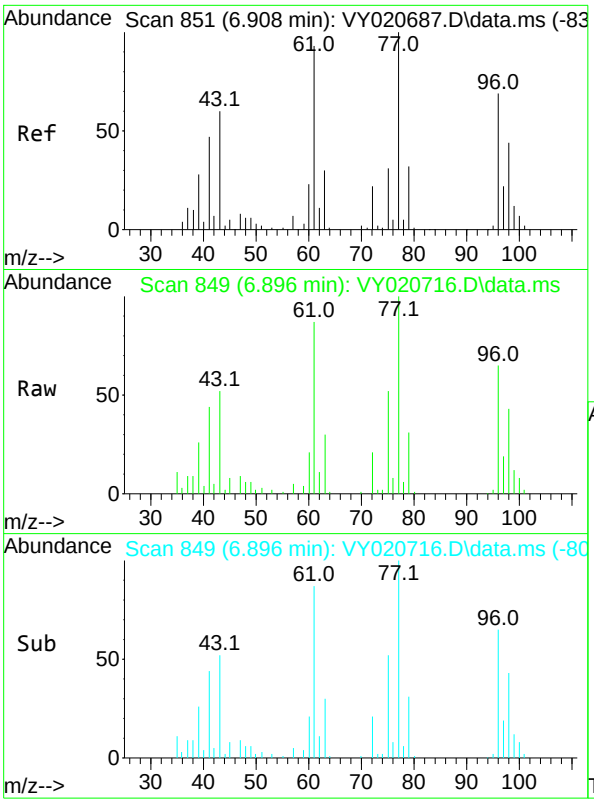


#26
2,2-Dichloropropane
Concen: 19.523 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 77 Resp: 33722

Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.8	32.4



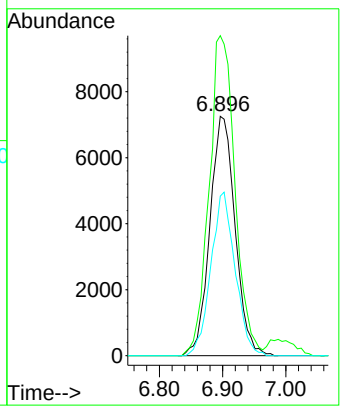


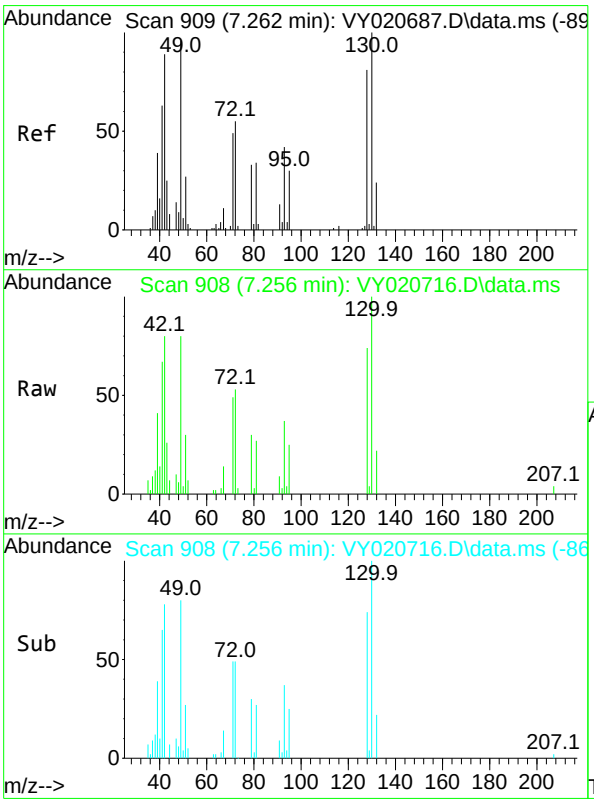
#27
cis-1,2-Dichloroethene
Concen: 19.674 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 96 Resp: 20089

Ion	Ratio	Lower	Upper
96	100		
61	137.2	0.0	277.2
98	65.6	0.0	131.0

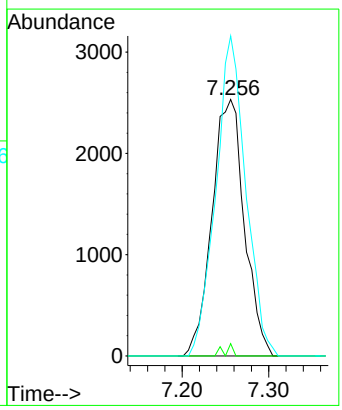


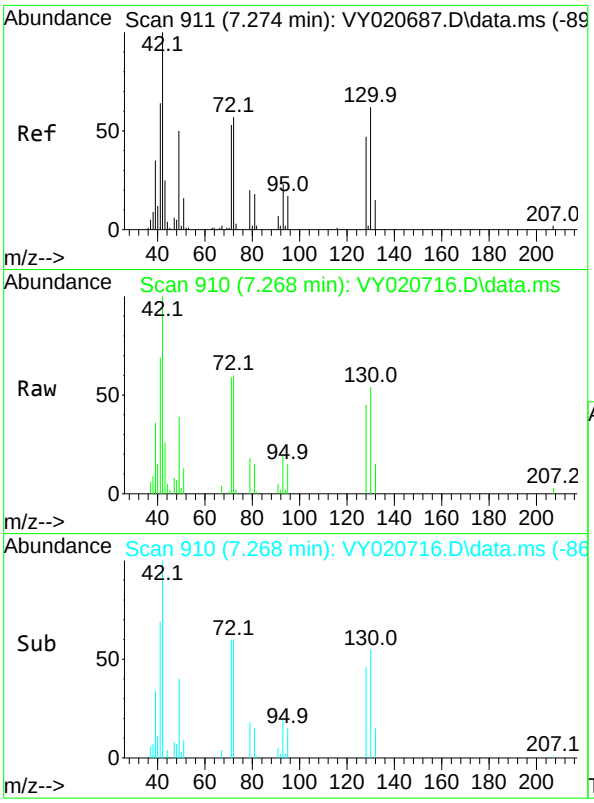


#28
Bromochloromethane
Concen: 17.613 ug/l
RT: 7.256 min Scan# 908
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 49 Resp: 6573

Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	5.4
130	115.5	87.2	130.8



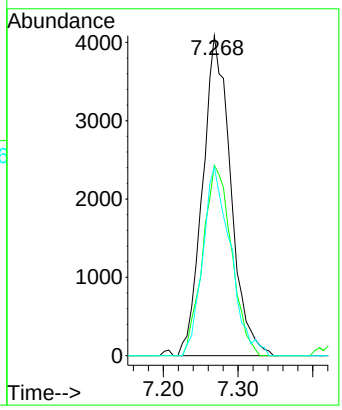


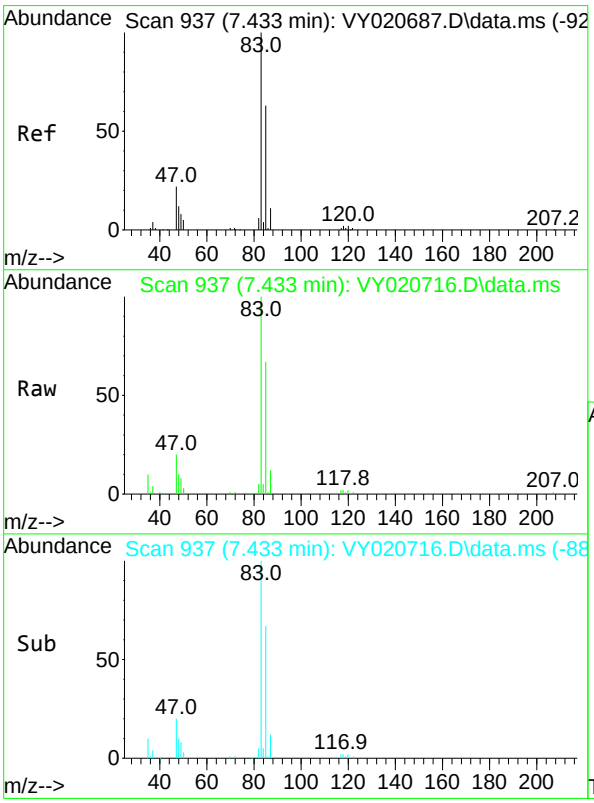
#29
Tetrahydrofuran
Concen: 106.889 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 42 Resp: 10662

Ion	Ratio	Lower	Upper
42	100		
72	60.8	47.4	71.0
71	58.6	42.8	64.2

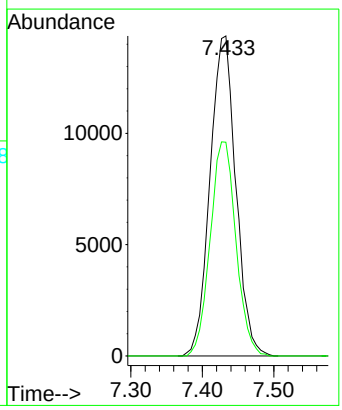


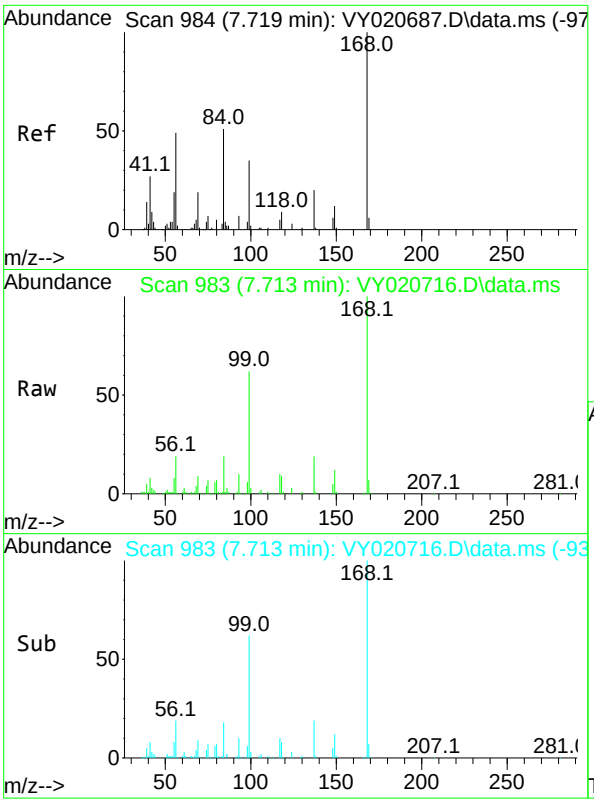


#30
Chloroform
Concen: 19.857 ug/l
RT: 7.433 min Scan# 937
Delta R.T. -0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 83 Resp: 36048

Ion	Ratio	Lower	Upper
83	100		
85	66.8	50.2	75.2



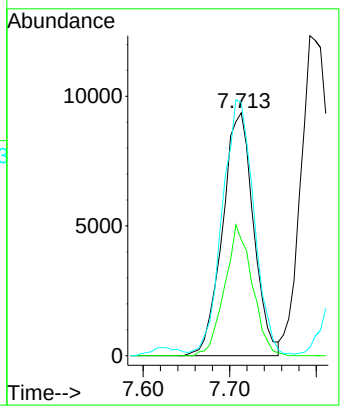


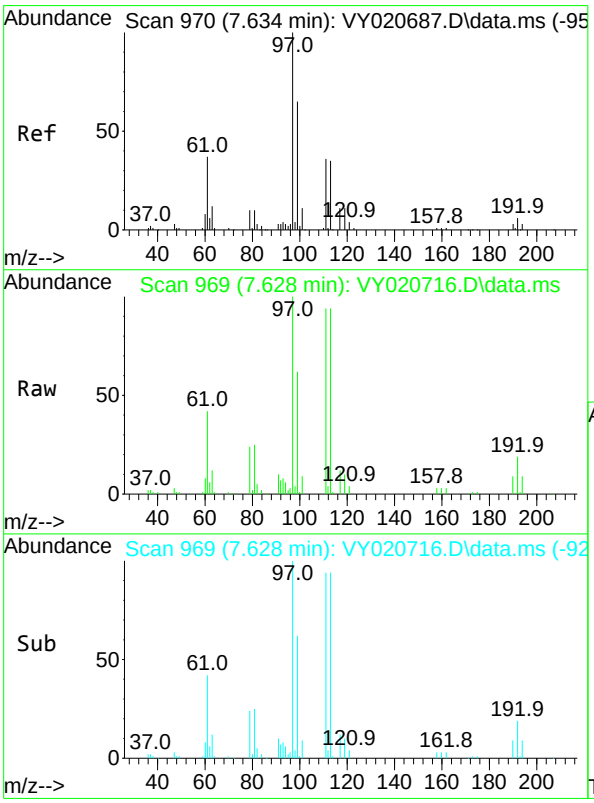
#31
Cyclohexane
Concen: 19.155 ug/l
RT: 7.713 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 56 Resp: 23333

Ion	Ratio	Lower	Upper
56	100		
69	47.7	31.3	46.9#
84	101.7	83.9	125.9

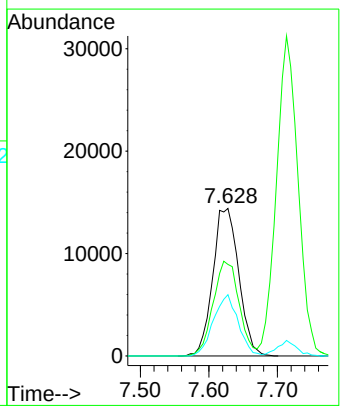


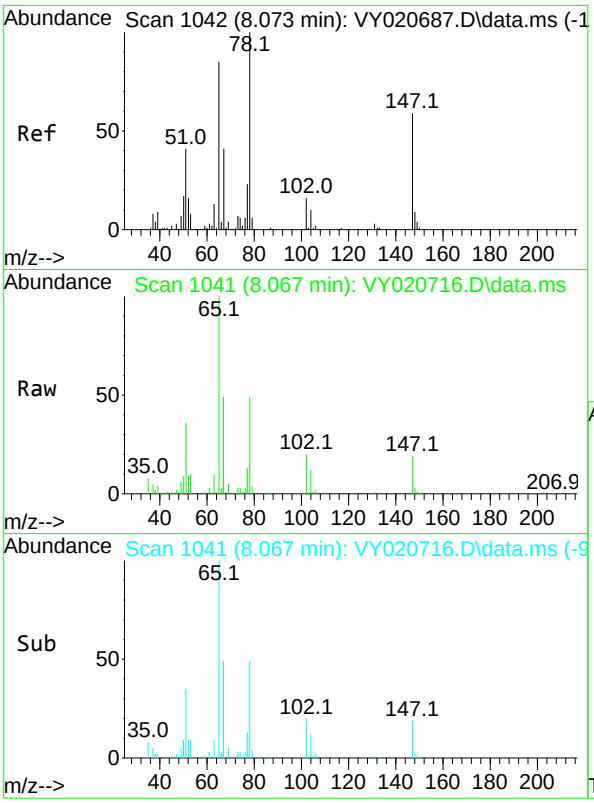


#32
1,1,1-Trichloroethane
Concen: 19.495 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 97 Resp: 37936

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.6
61	39.5	30.0	45.0



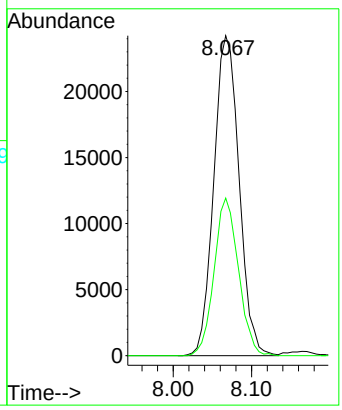


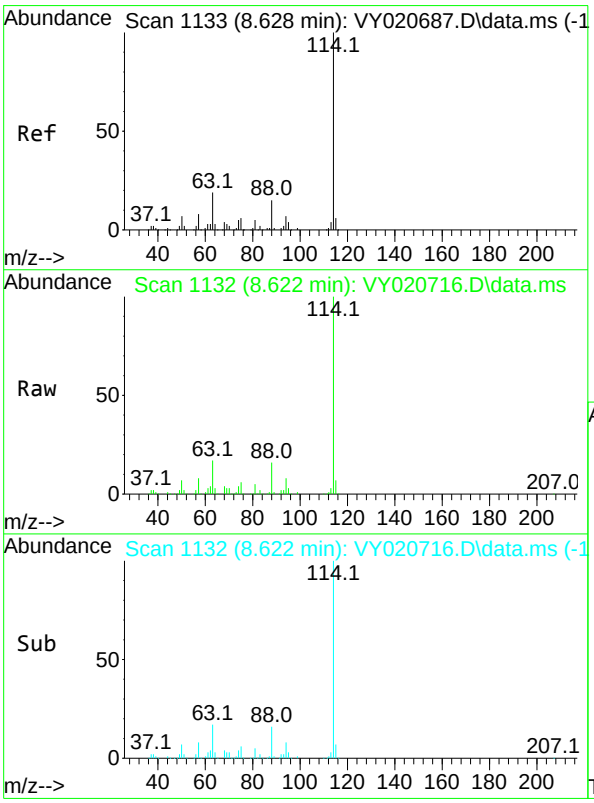
#33
1,2-Dichloroethane-d4
Concen: 57.297 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 65 Resp: 54334

Ion	Ratio	Lower	Upper
65	100		
67	47.5	0.0	98.0

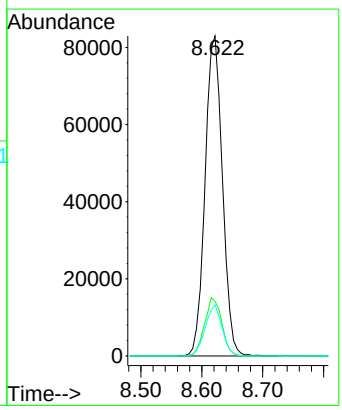


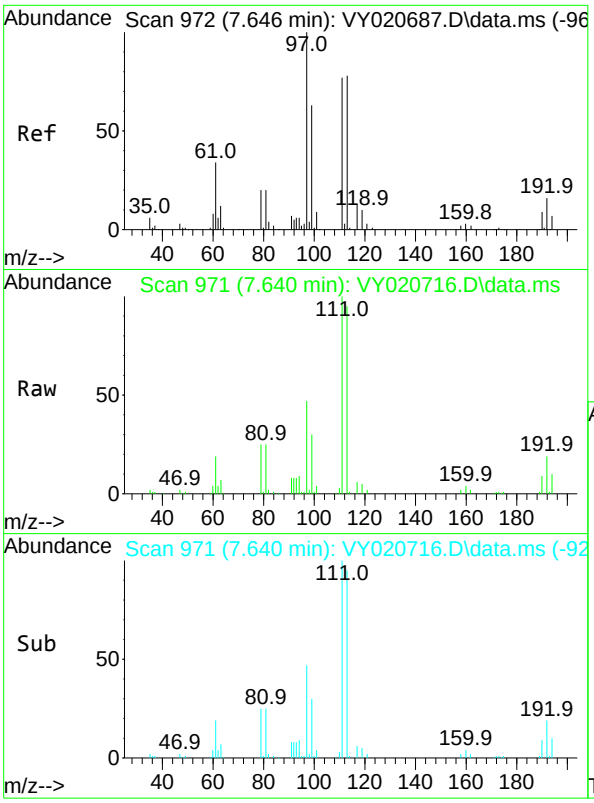


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:114 Resp: 164224

Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	38.4
88	16.0	0.0	30.4



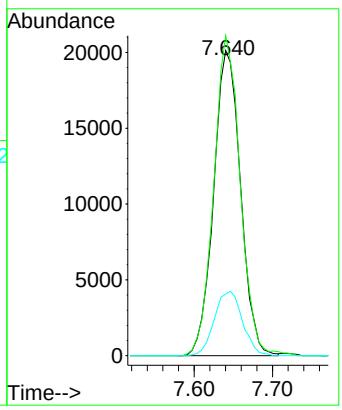


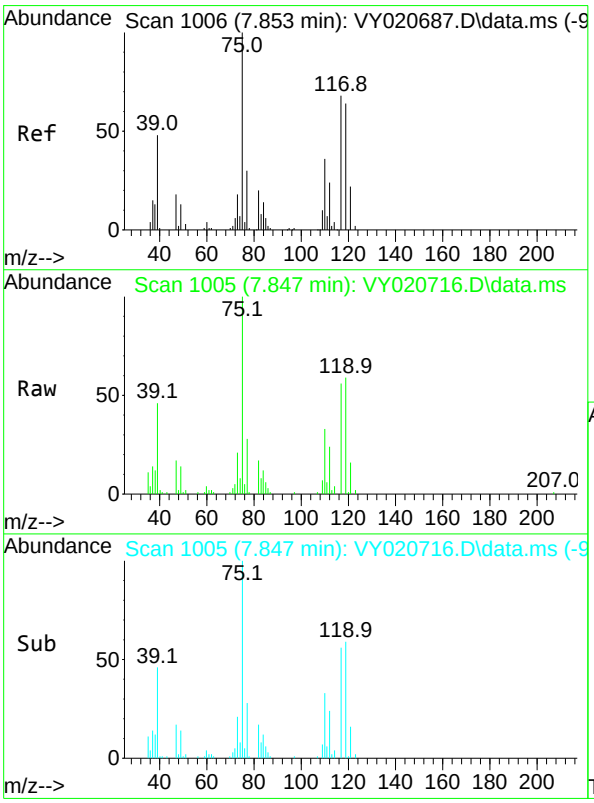
#35
Dibromofluoromethane
Concen: 53.153 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion:113 Resp: 48081

Ion	Ratio	Lower	Upper
113	100		
111	103.1	79.8	119.8
192	22.0	17.0	25.6

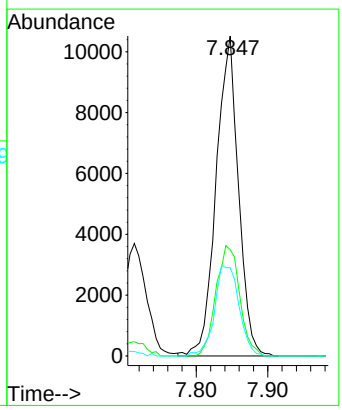


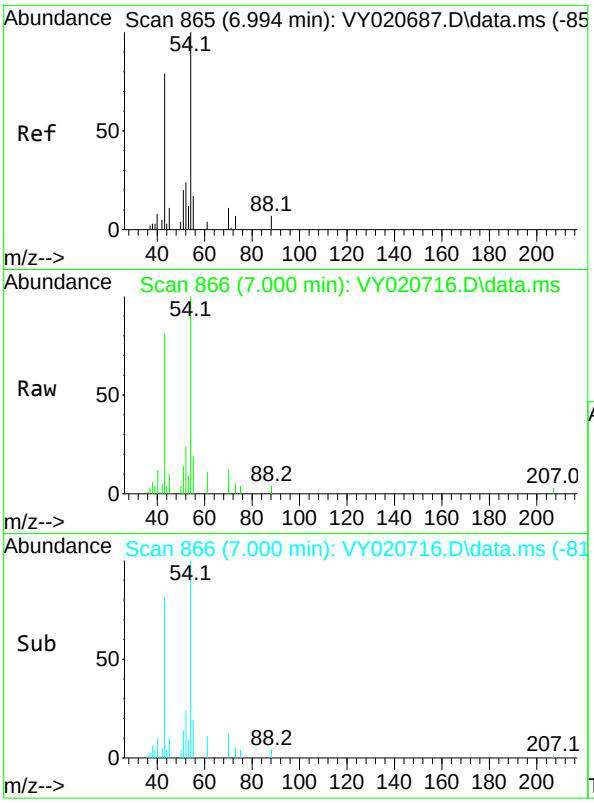


#36
1,1-Dichloropropene
Concen: 19.036 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 75 Resp: 22746

Ion	Ratio	Lower	Upper
75	100		
110	36.7	19.6	58.7
77	31.2	25.1	37.7



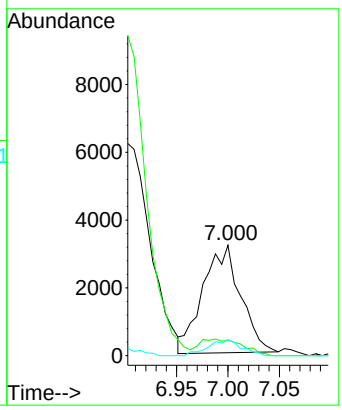


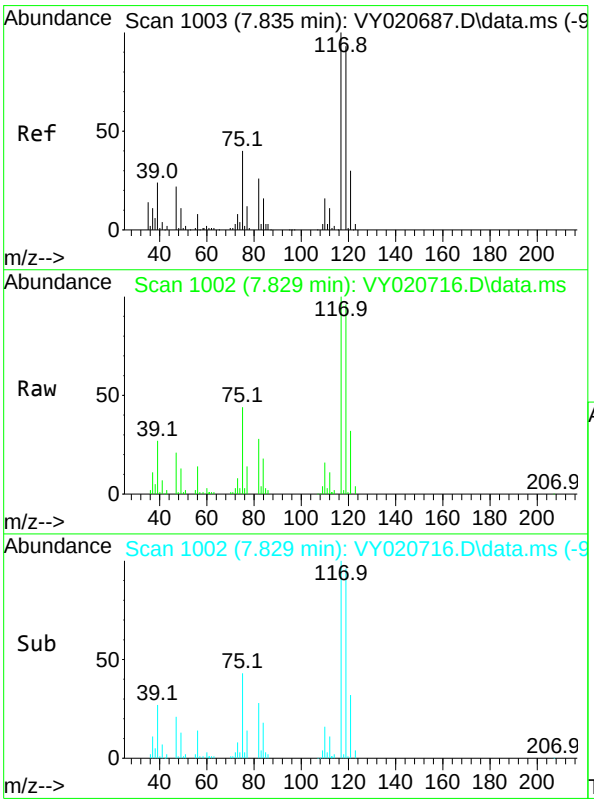
#37
Ethyl Acetate
Concen: 20.559 ug/l
RT: 7.000 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 43 Resp: 8095

Ion	Ratio	Lower	Upper
43	100		
61	17.7	11.7	17.5#
70	13.2	11.0	16.4

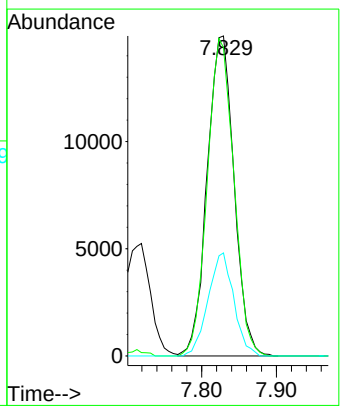


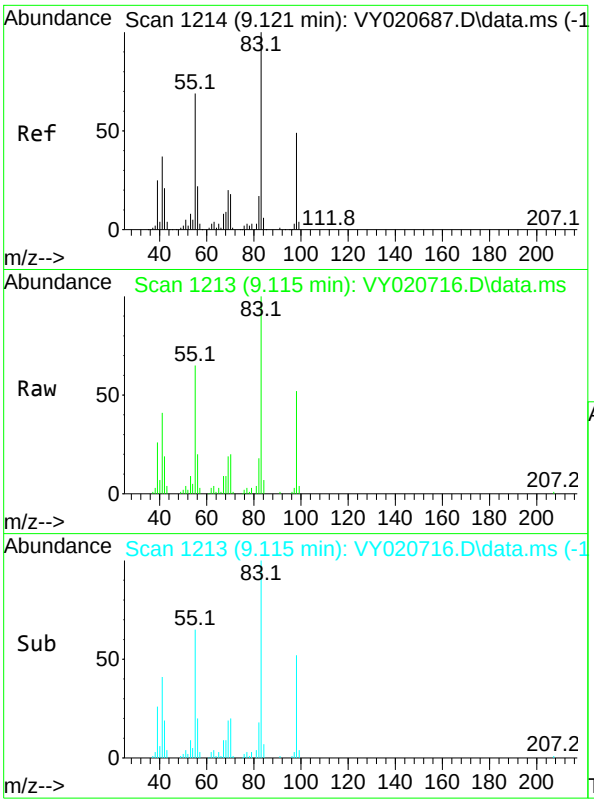


#38
Carbon Tetrachloride
Concen: 18.985 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:117 Resp: 37355

Ion	Ratio	Lower	Upper
117	100		
119	96.3	74.4	111.6
121	32.2	24.2	36.2



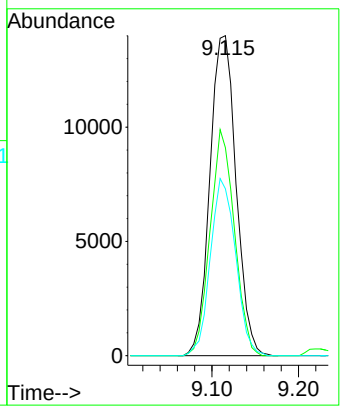


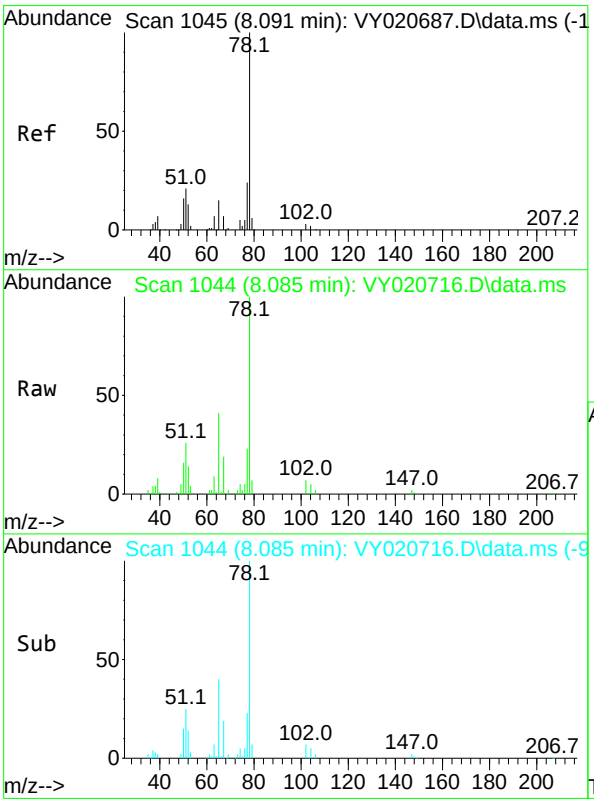
#39
Methylcyclohexane
Concen: 19.205 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 83 Resp: 29413

Ion	Ratio	Lower	Upper
83	100		
55	65.0	55.0	82.4
98	52.1	39.0	58.6

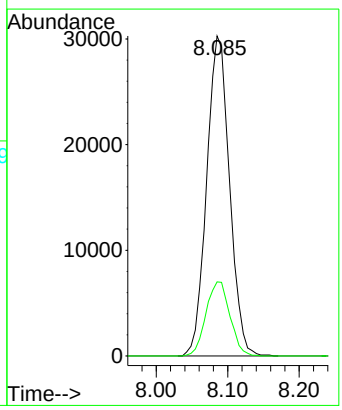


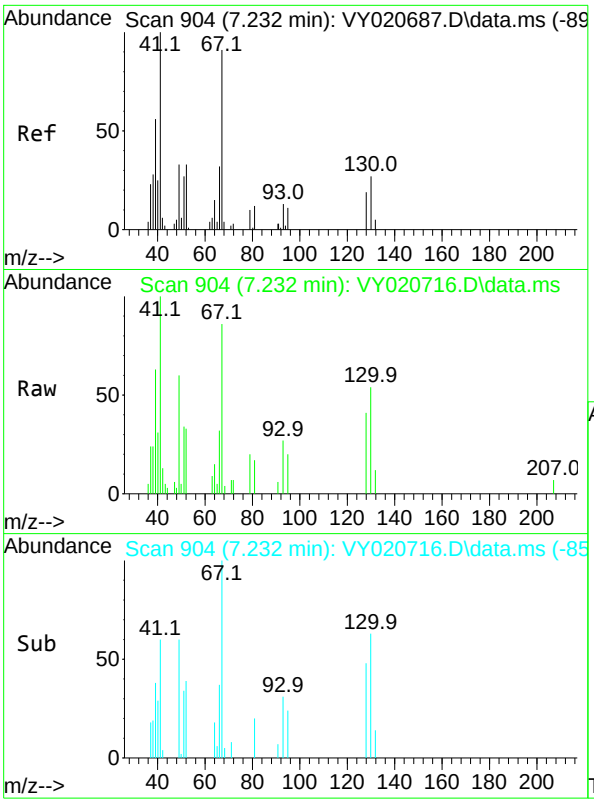


#40
Benzene
Concen: 19.404 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 78 Resp: 67196

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.2	28.8



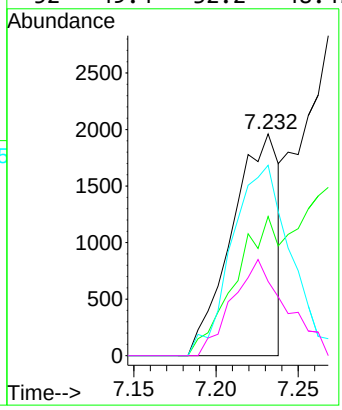


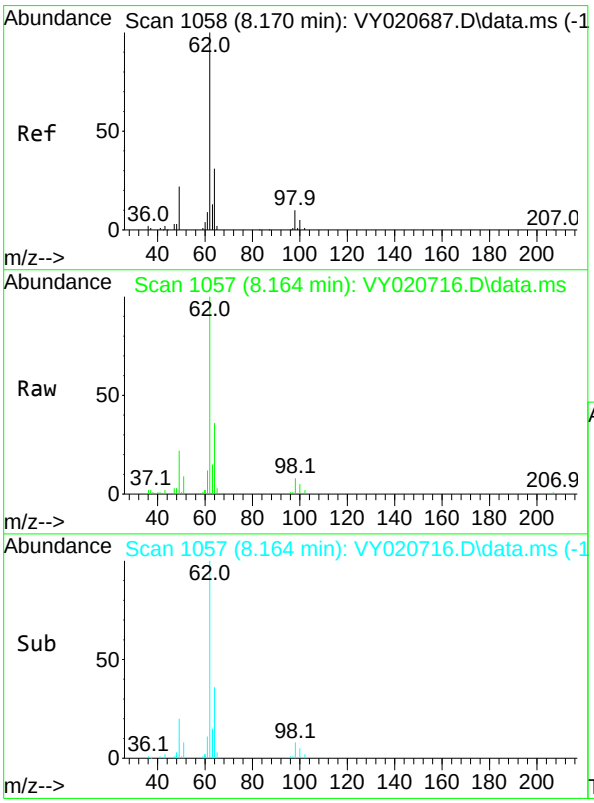
#41
Methacrylonitrile
Concen: 19.679 ug/l
RT: 7.232 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 41 Resp: 3914

Ion	Ratio	Lower	Upper
41	100		
39	57.8	46.6	70.0
67	107.6	74.7	112.1
52	49.4	32.2	48.4#

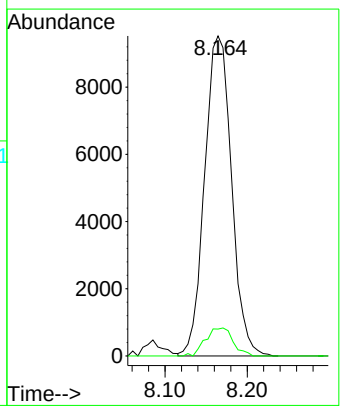


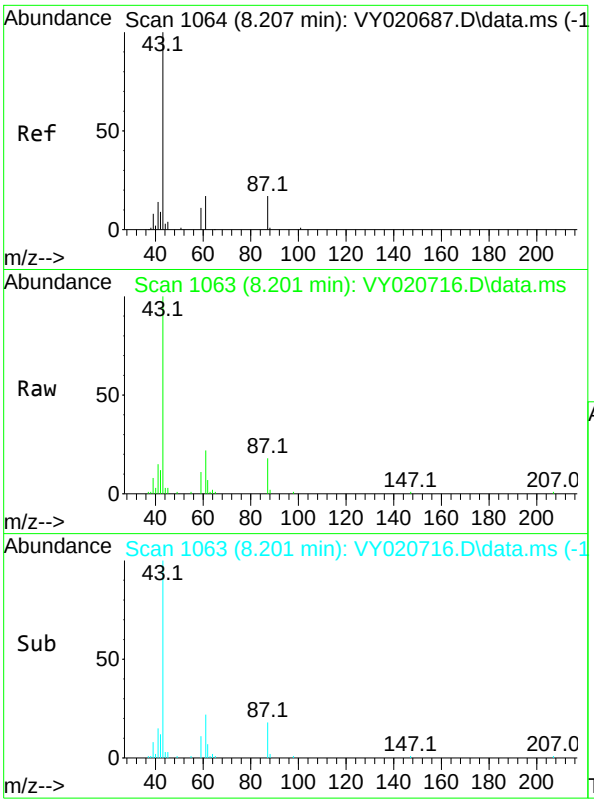


#42
1,2-Dichloroethane
Concen: 19.473 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 62 Resp: 21623

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	16.6



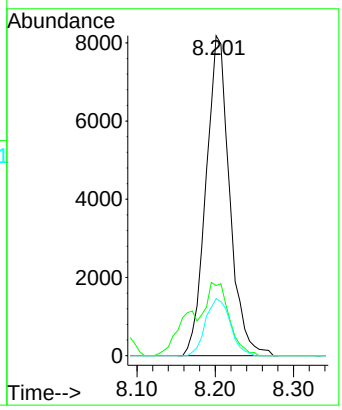


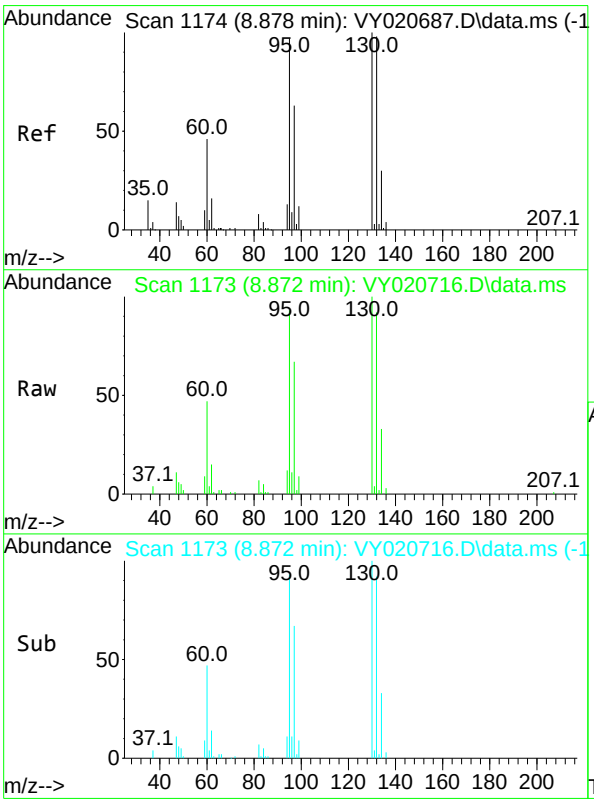
#43
Isopropyl Acetate
Concen: 20.432 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 43 Resp: 17100

Ion	Ratio	Lower	Upper
43	100		
61	23.8	27.0	40.4#
87	18.7	14.2	21.4

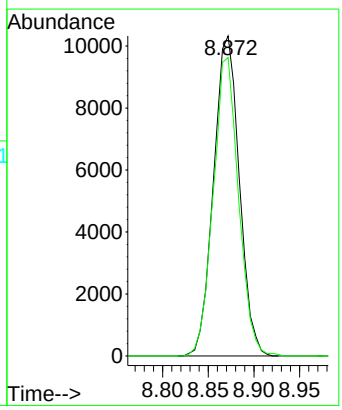


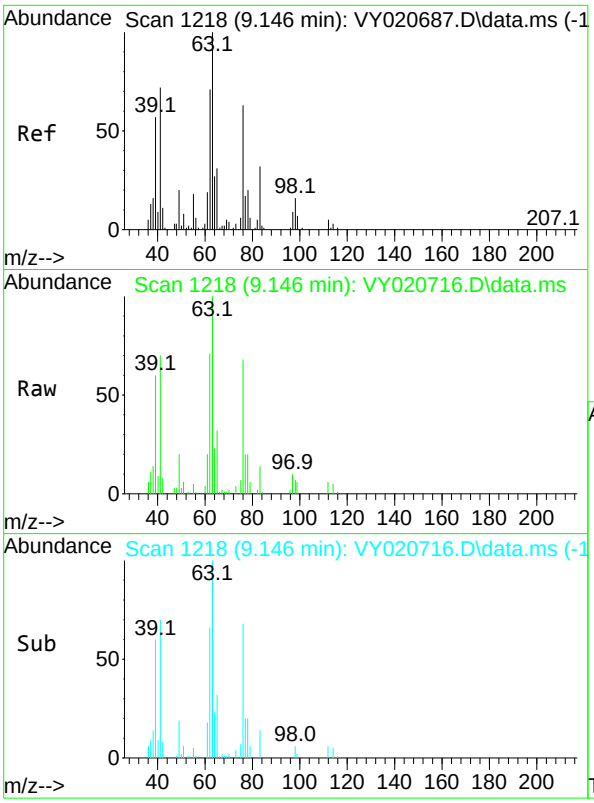


#44
Trichloroethene
Concen: 19.567 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:130 Resp: 20239

Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	194.8



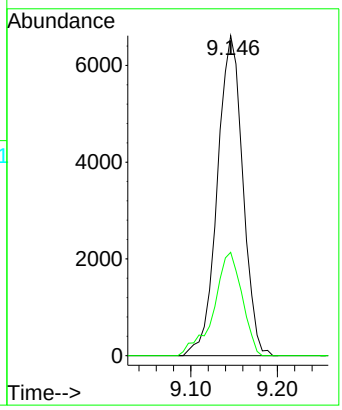


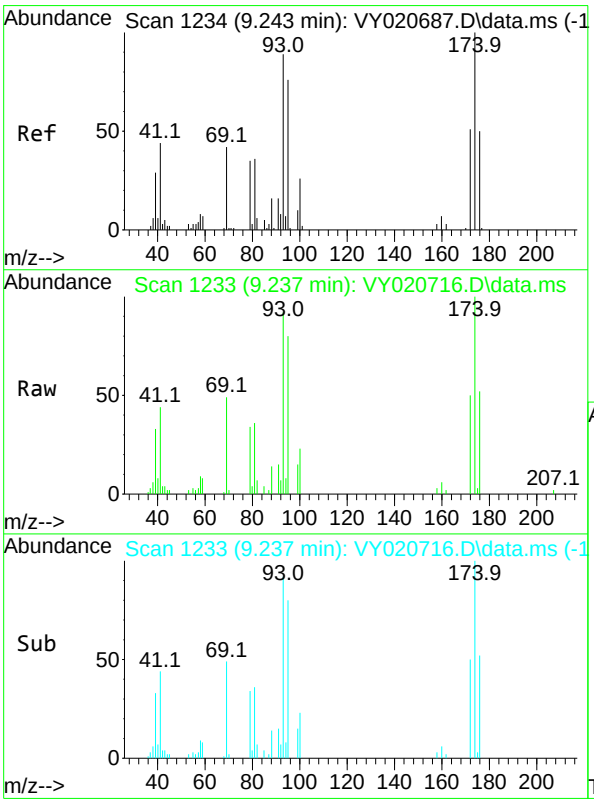
#45
1,2-Dichloropropane
Concen: 19.262 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 63 Resp: 13502

Ion	Ratio	Lower	Upper
63	100		
65	32.3	24.6	36.8

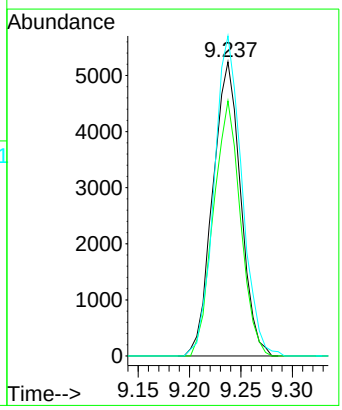


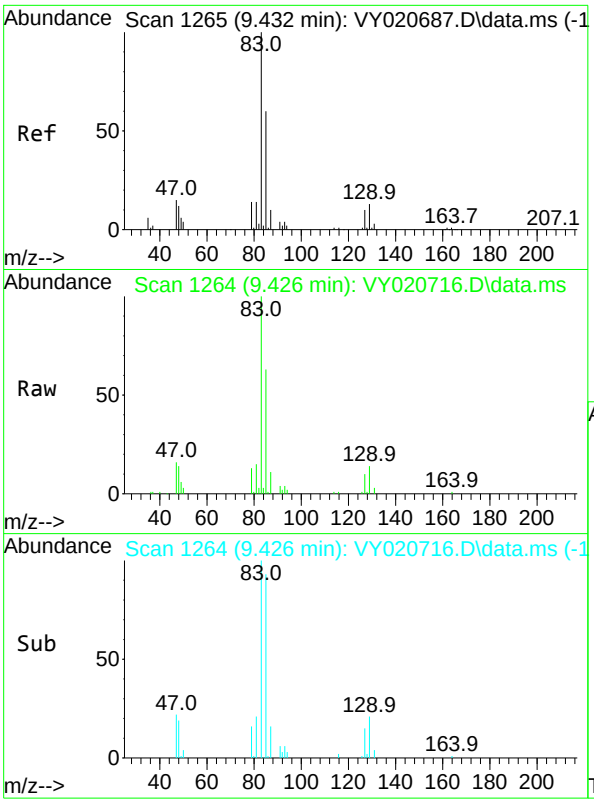


#46
Dibromomethane
Concen: 20.387 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 93 Resp: 9888

Ion	Ratio	Lower	Upper
93	100		
95	83.9	67.8	101.8
174	108.3	89.4	134.0



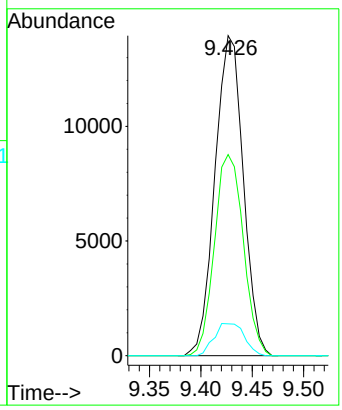


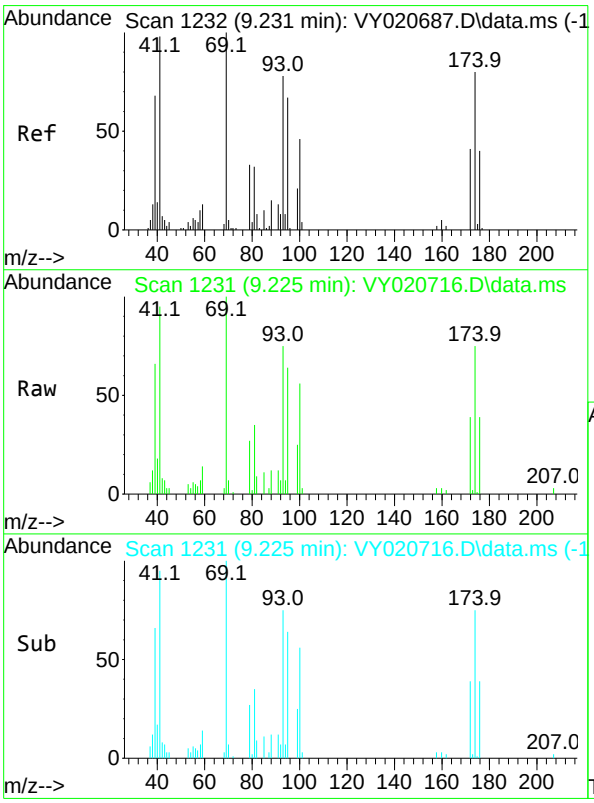
#47
Bromodichloromethane
Concen: 19.469 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 83 Resp: 26772

Ion	Ratio	Lower	Upper
83	100		
85	62.8	47.6	71.4
127	9.9	7.9	11.9

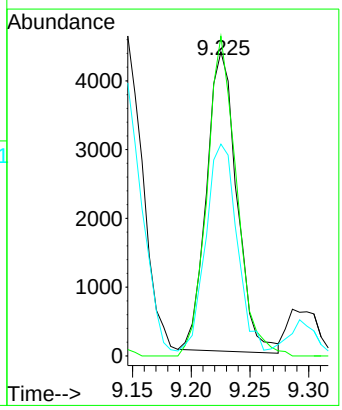


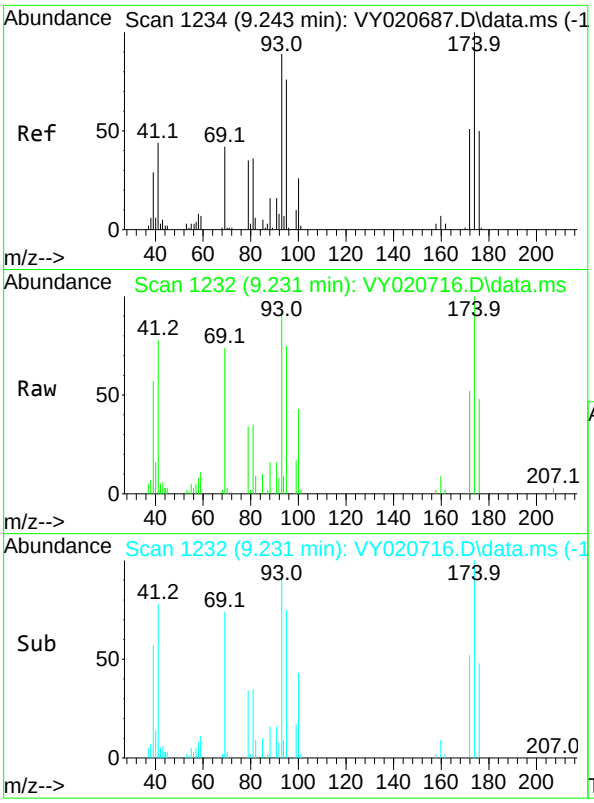


#48
Methyl methacrylate
Concen: 19.957 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 41 Resp: 7800

Ion	Ratio	Lower	Upper
41	100		
69	104.7	83.1	124.7
39	71.9	57.3	85.9



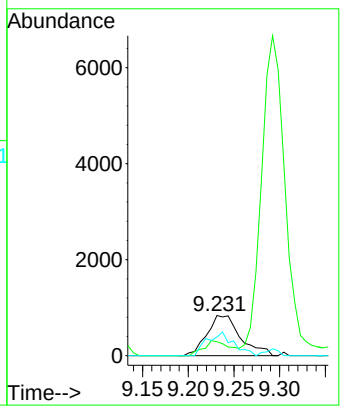


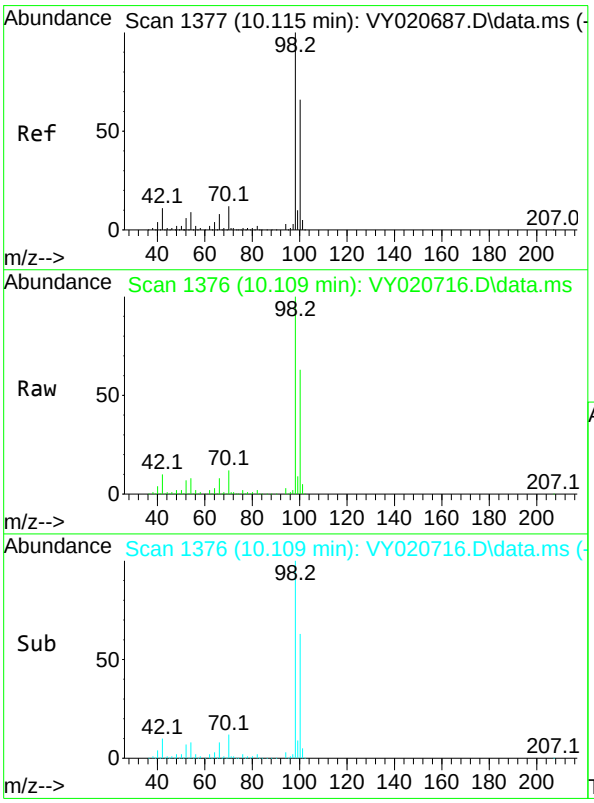
#49
1,4-Dioxane
Concen: 461.904 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 88 Resp: 2134

Ion	Ratio	Lower	Upper
88	100		
43	29.7	22.1	33.1
58	45.9	46.7	70.1#

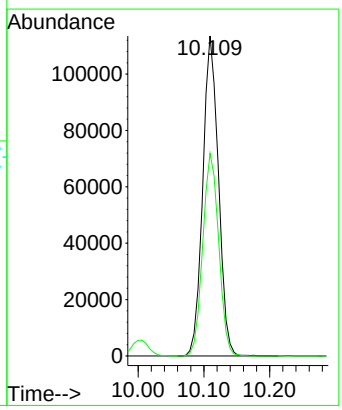


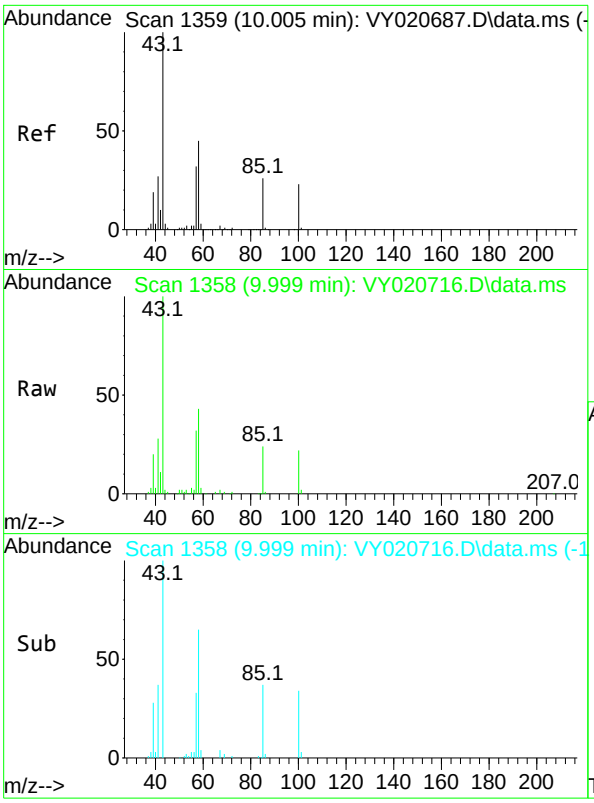


#50
Toluene-d8
Concen: 52.144 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 98 Resp: 187843

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.4



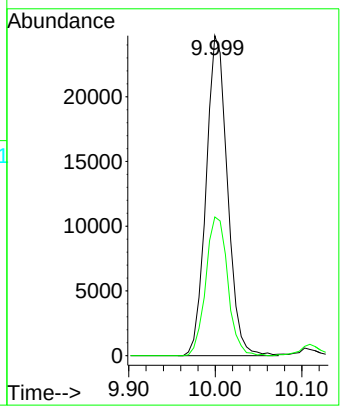


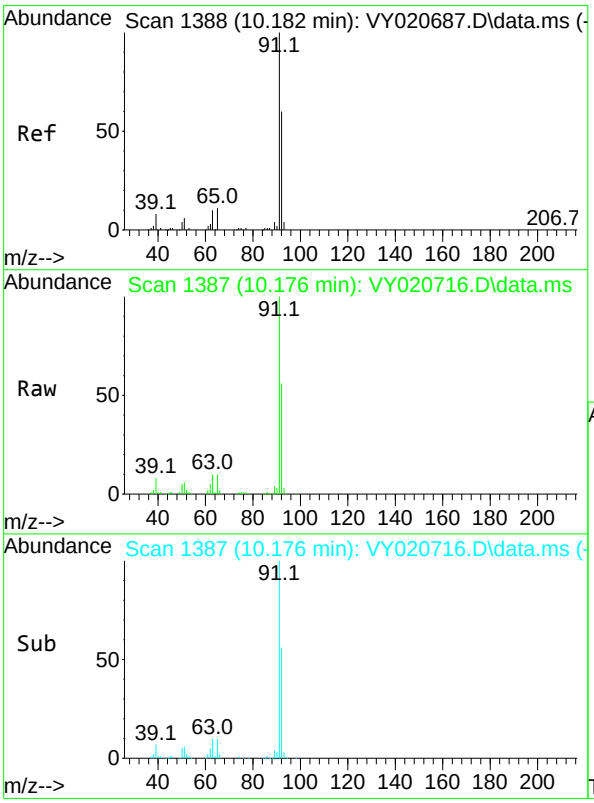
#51
4-Methyl-2-Pentanone
Concen: 104.782 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 43 Resp: 42327

Ion	Ratio	Lower	Upper
43	100		
58	44.6	35.1	52.7

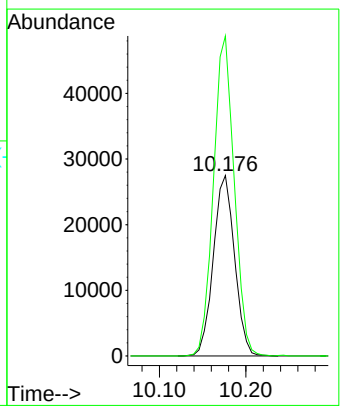


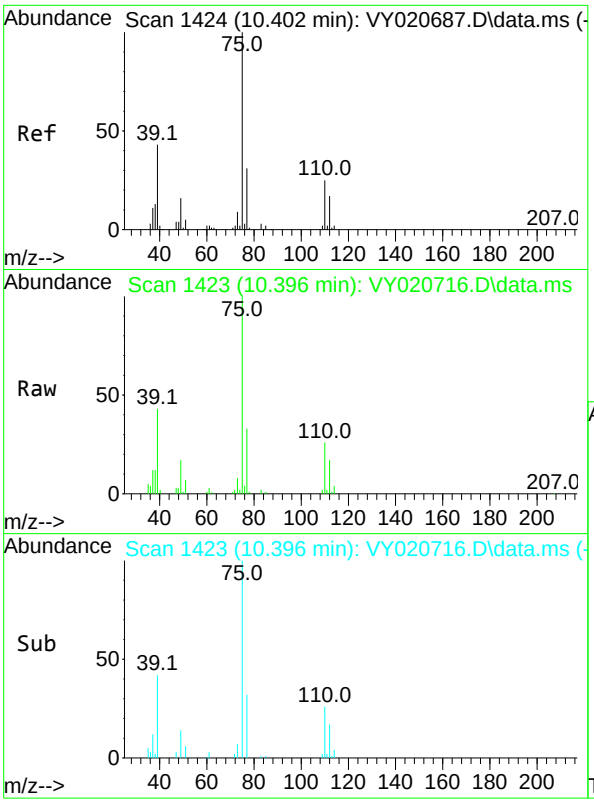


#52
Toluene
Concen: 19.709 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 92 Resp: 46778

Ion	Ratio	Lower	Upper
92	100		
91	173.3	137.7	206.5



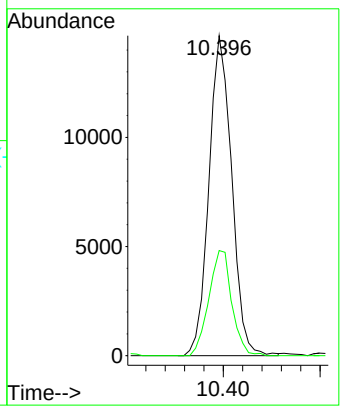


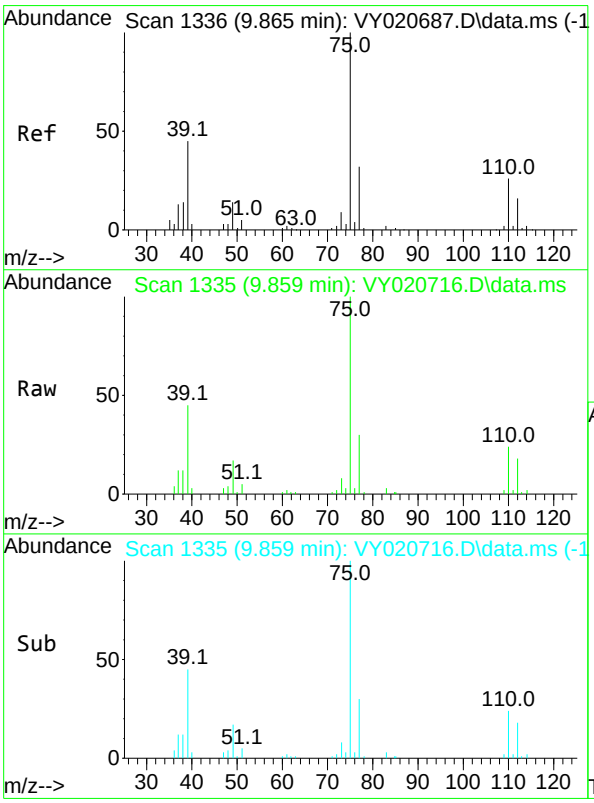
#53
t-1,3-Dichloropropene
Concen: 19.877 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 75 Resp: 24006

Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.1	37.7

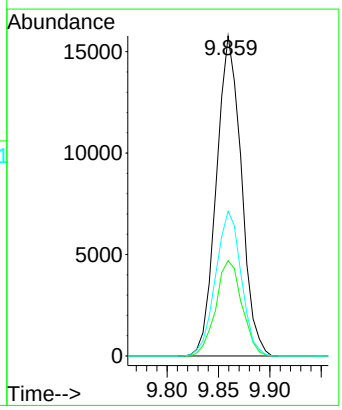


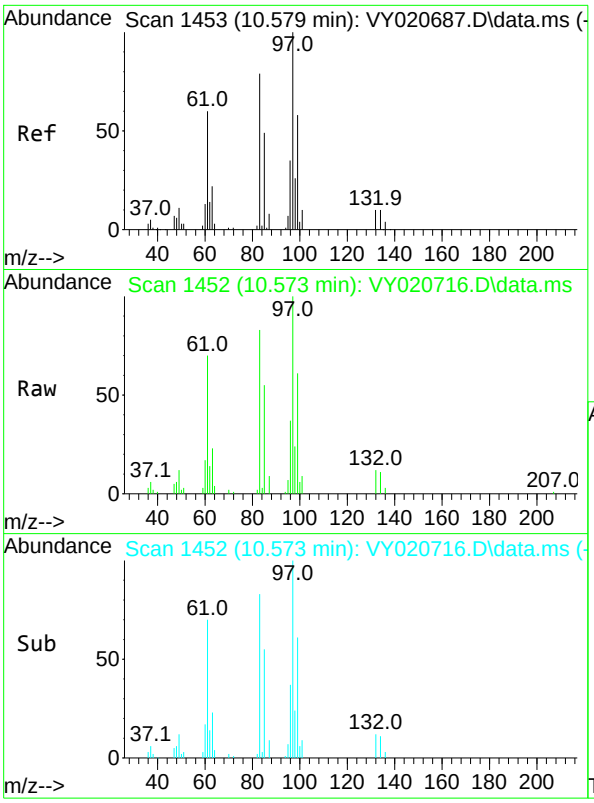


#54
cis-1,3-Dichloropropene
Concen: 20.063 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 75 Resp: 26559

Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.6	38.4
39	45.3	36.2	54.2



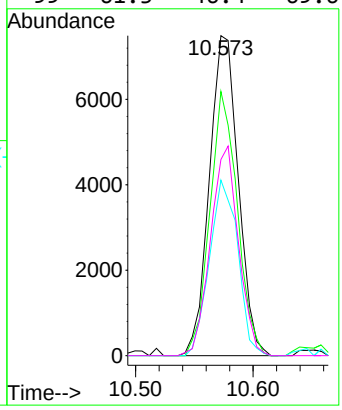


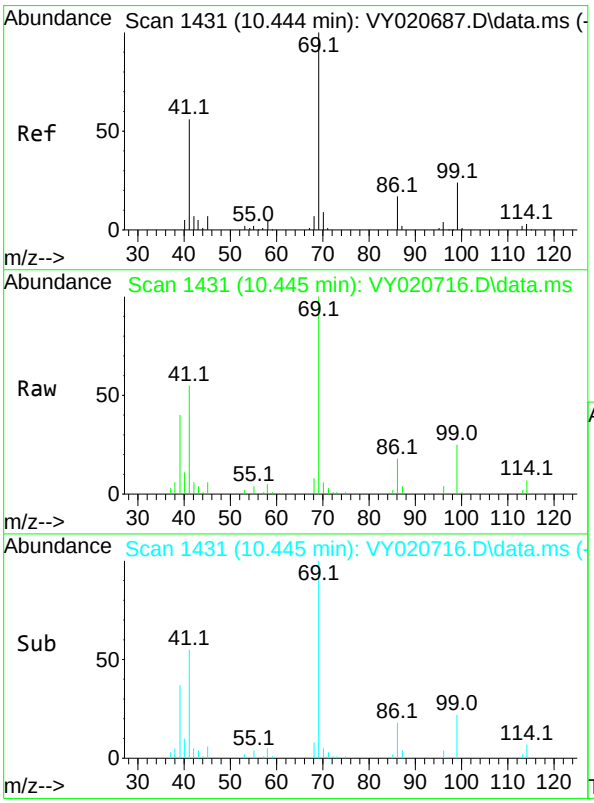
#55
1,1,2-Trichloroethane
Concen: 20.704 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 97 Resp: 12818

Ion	Ratio	Lower	Upper
97	100		
83	82.6	63.1	94.7
85	54.8	39.5	59.3
99	61.3	46.4	69.6

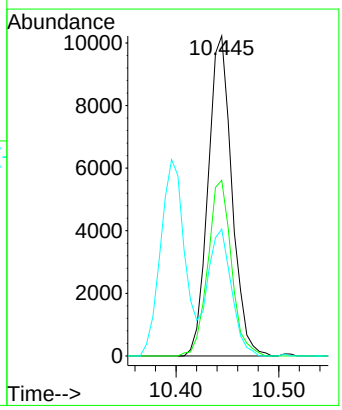


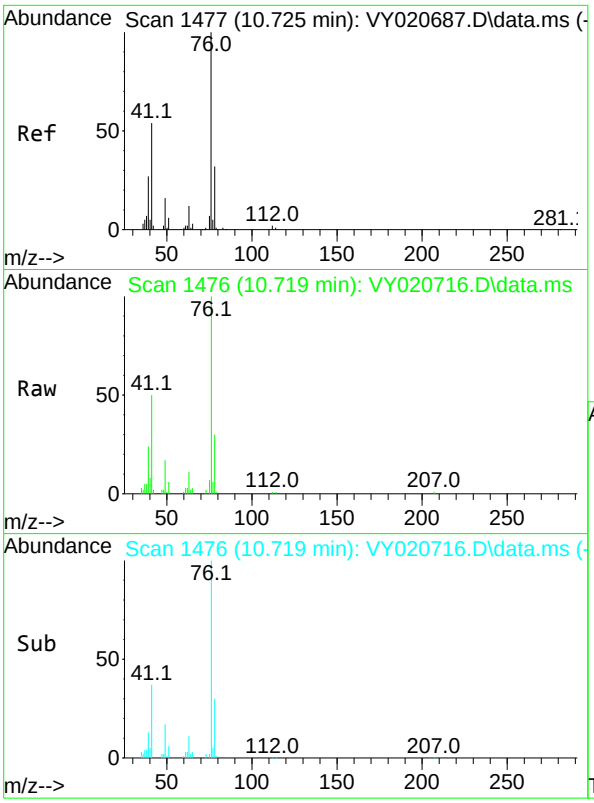


#56
Ethyl methacrylate
Concen: 20.175 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 69 Resp: 16409

Ion	Ratio	Lower	Upper
69	100		
41	54.4	43.8	65.6
39	39.2	32.0	48.0



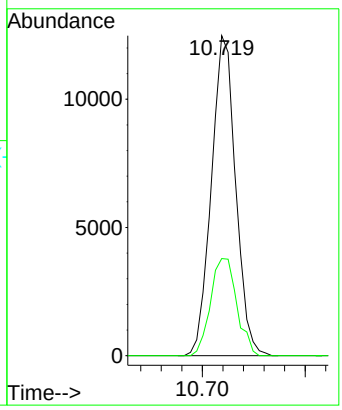


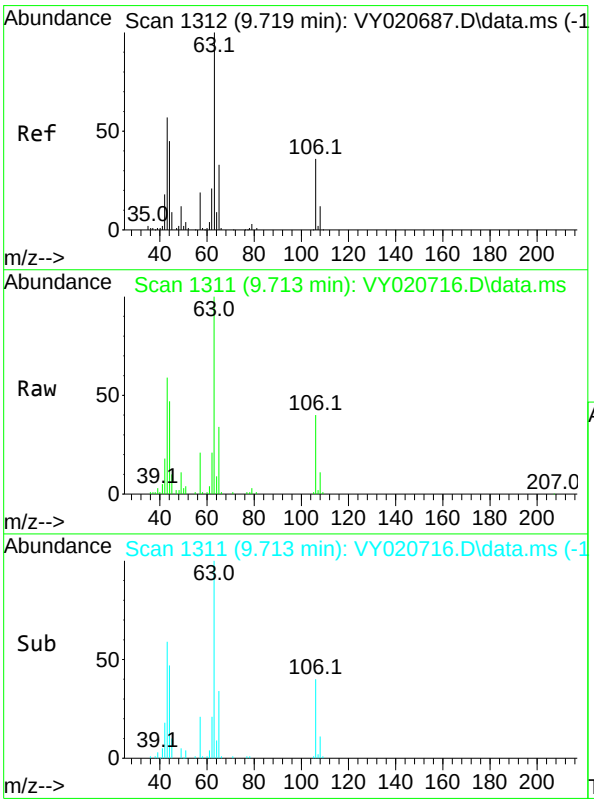
#57
1,3-Dichloropropane
Concen: 20.363 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 76 Resp: 20462

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.0	37.6

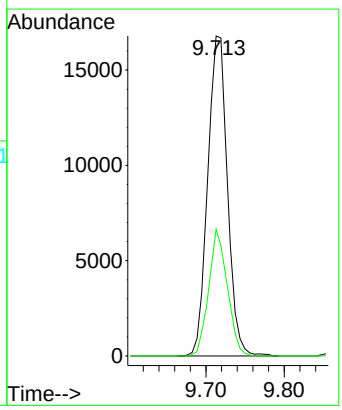


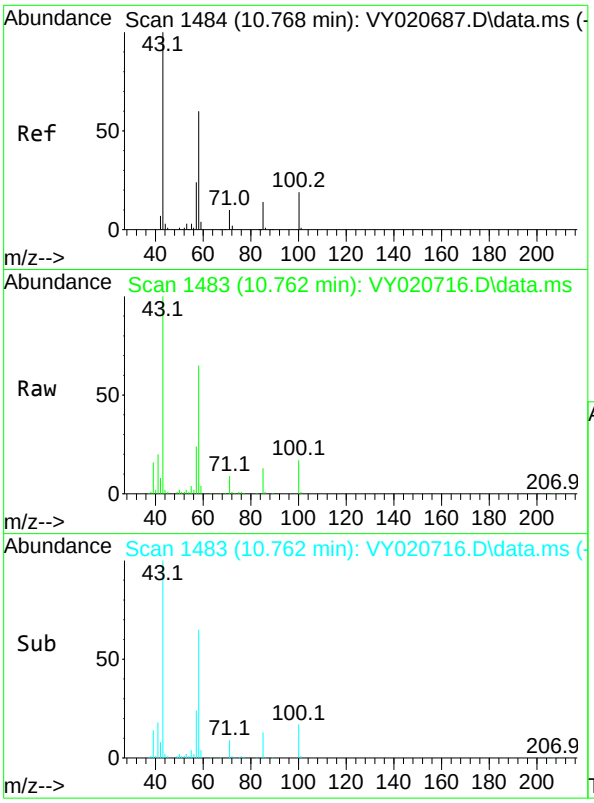


#58
2-Chloroethyl Vinyl ether
Concen: 103.542 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 63 Resp: 29367

Ion	Ratio	Lower	Upper
63	100		
106	37.3	29.1	43.7



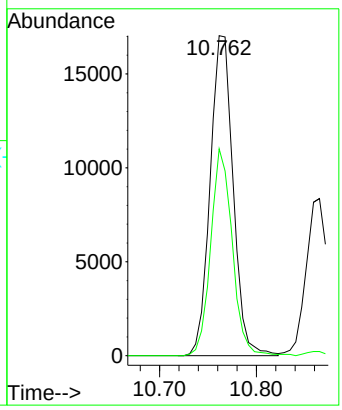


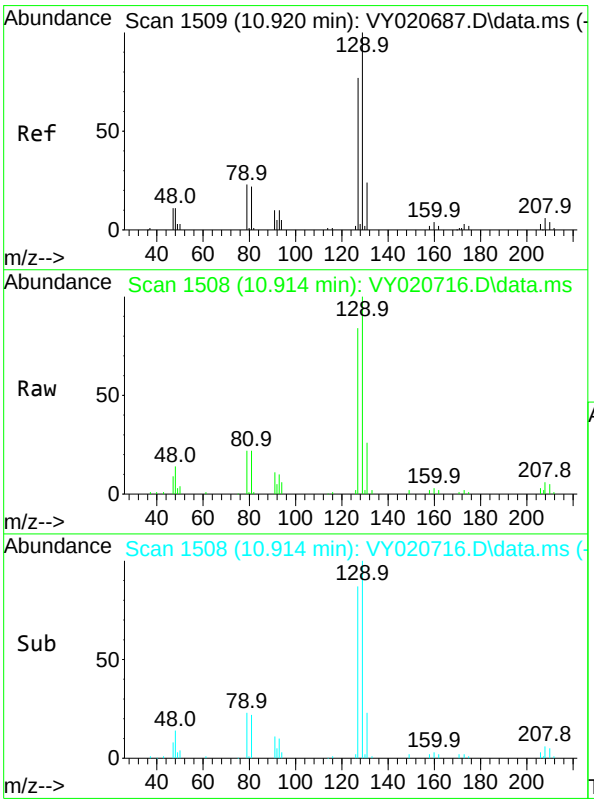
#59
2-Hexanone
Concen: 105.605 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 43 Resp: 28166

Ion	Ratio	Lower	Upper
43	100		
58	60.5	30.1	90.5

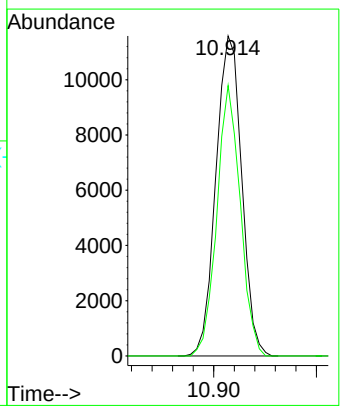


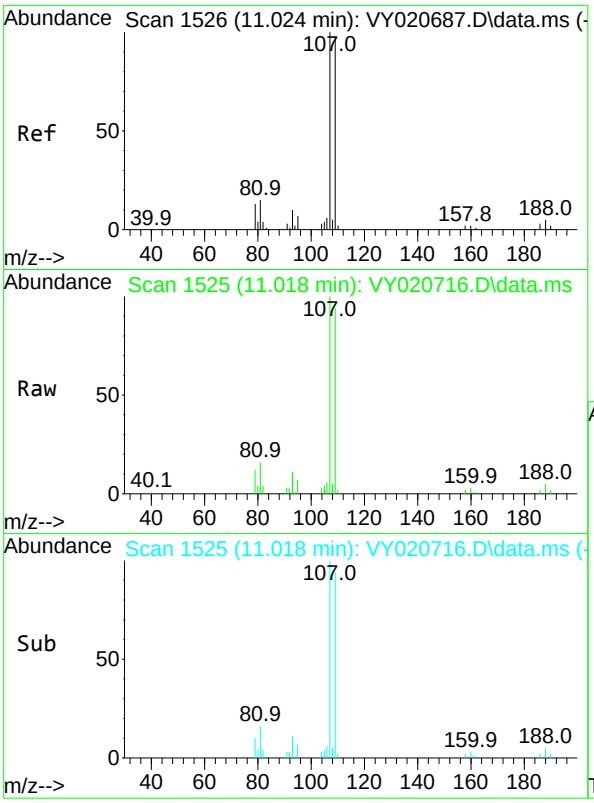


#60
Dibromochloromethane
Concen: 20.149 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:129 Resp: 20157

Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.5	115.5



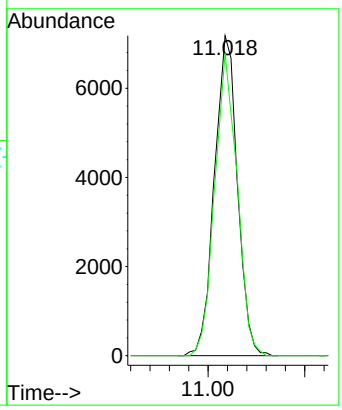


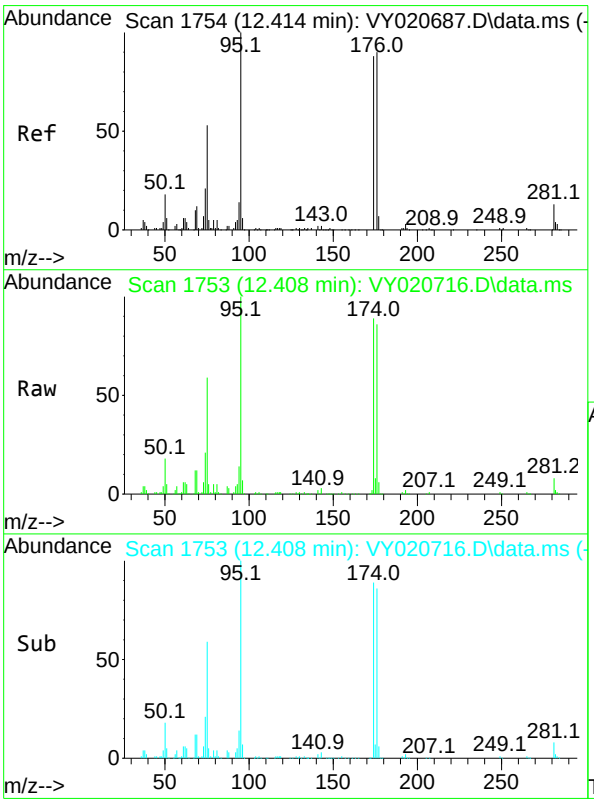
#61
1,2-Dibromoethane
Concen: 20.304 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion:107 Resp: 11828

Ion	Ratio	Lower	Upper
107	100		
109	92.6	75.5	113.3

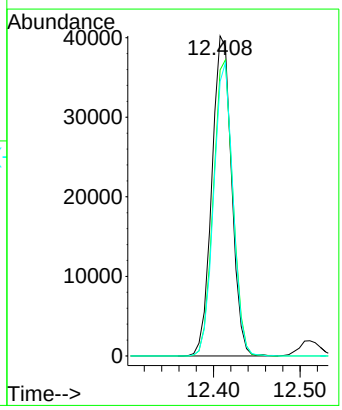


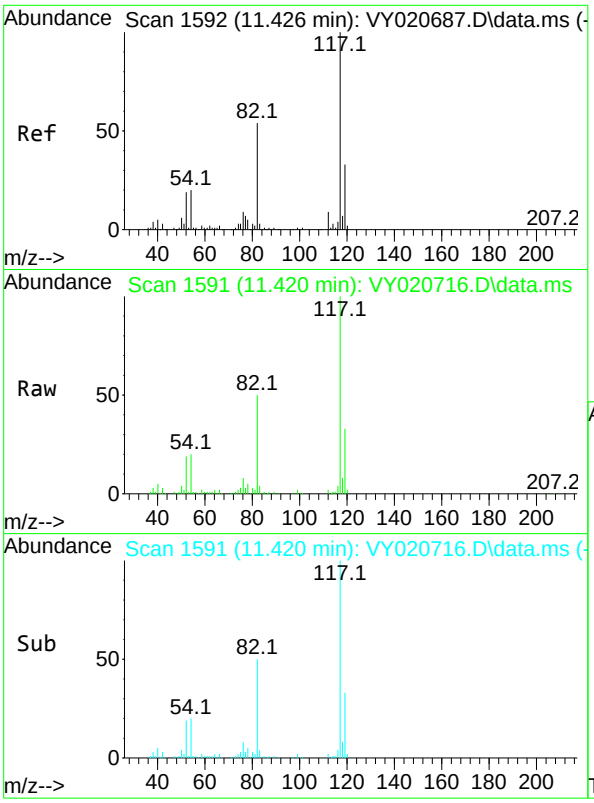


#62
4-Bromofluorobenzene
Concen: 52.931 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 95 Resp: 63630

Ion	Ratio	Lower	Upper
95	100		
174	91.2	0.0	179.2
176	89.1	0.0	179.8



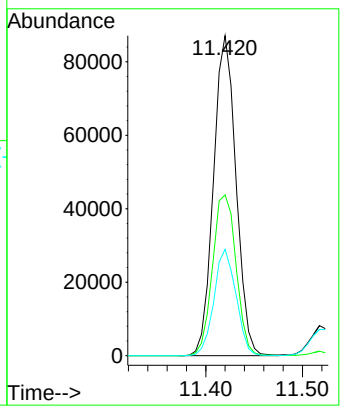


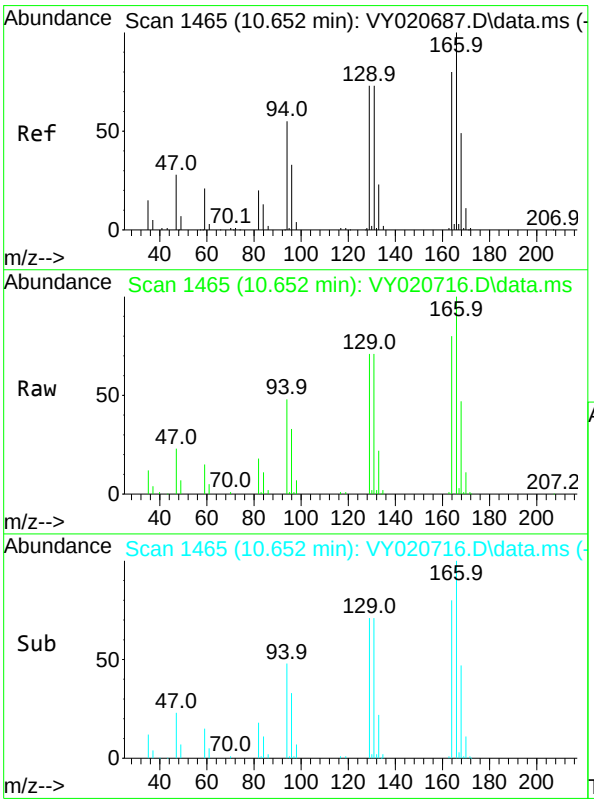
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion:117 Resp: 140702

Ion	Ratio	Lower	Upper
117	100		
82	50.3	43.4	65.2
119	33.3	26.6	39.8

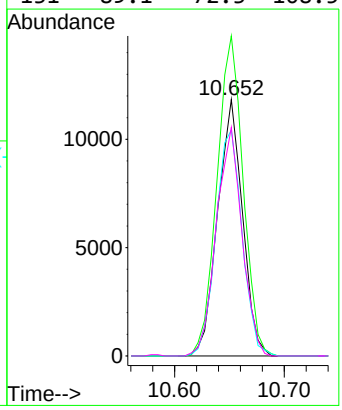


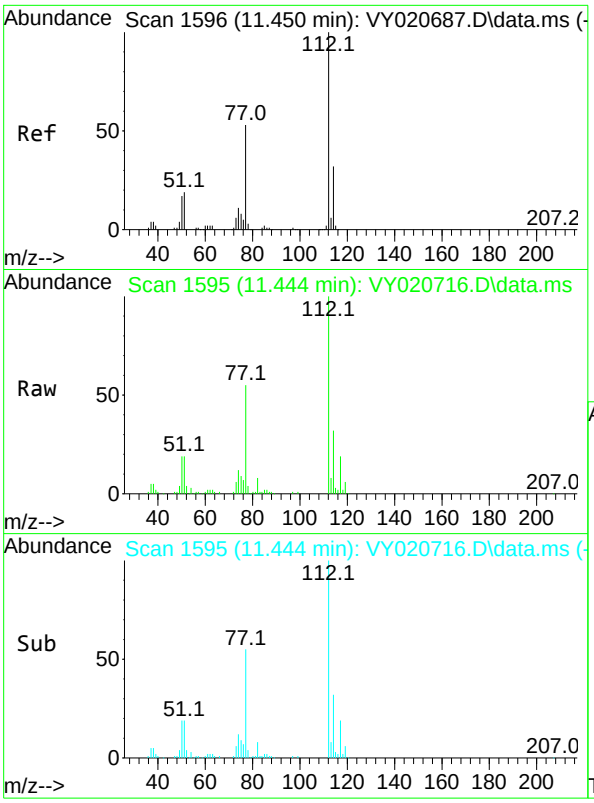


#64
Tetrachloroethene
Concen: 19.410 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:164 Resp: 18659

Ion	Ratio	Lower	Upper
164	100		
166	124.8	99.6	149.4
129	88.2	73.0	109.4
131	89.1	72.3	108.5



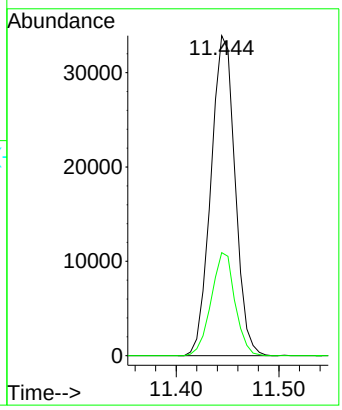


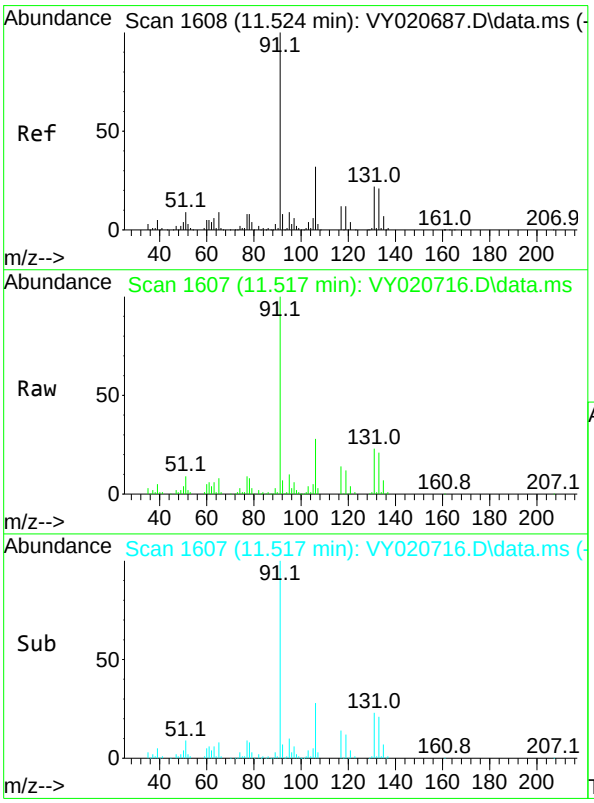
#65
Chlorobenzene
Concen: 20.095 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion:112 Resp: 55362

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.4	38.0

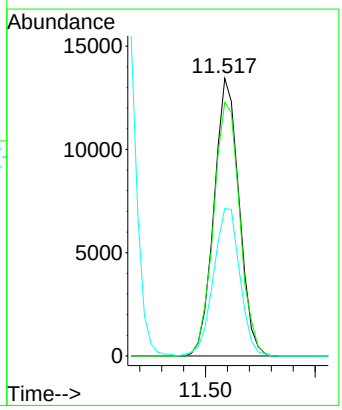


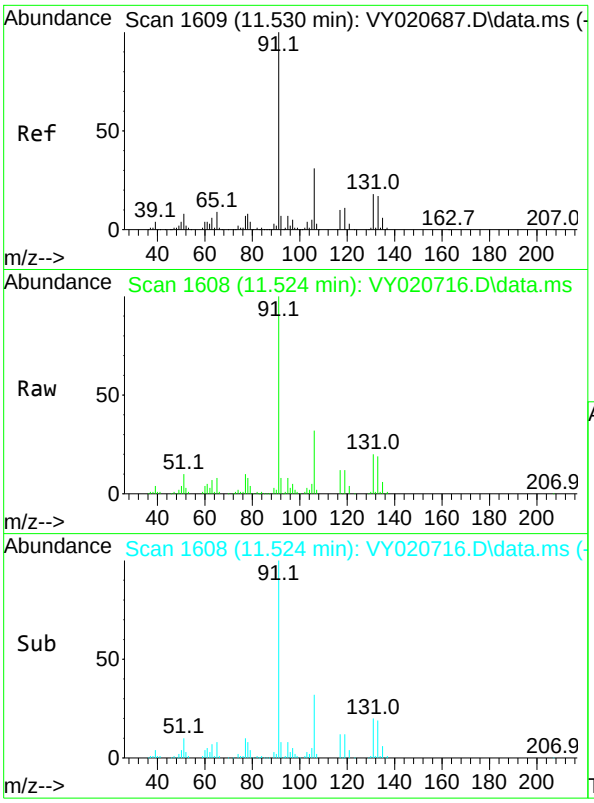


#66
1,1,1,2-Tetrachloroethane
Concen: 19.985 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.007 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:131 Resp: 21331

Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.6	145.9
119	56.1	28.4	85.3



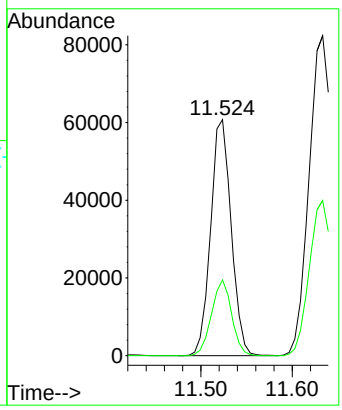


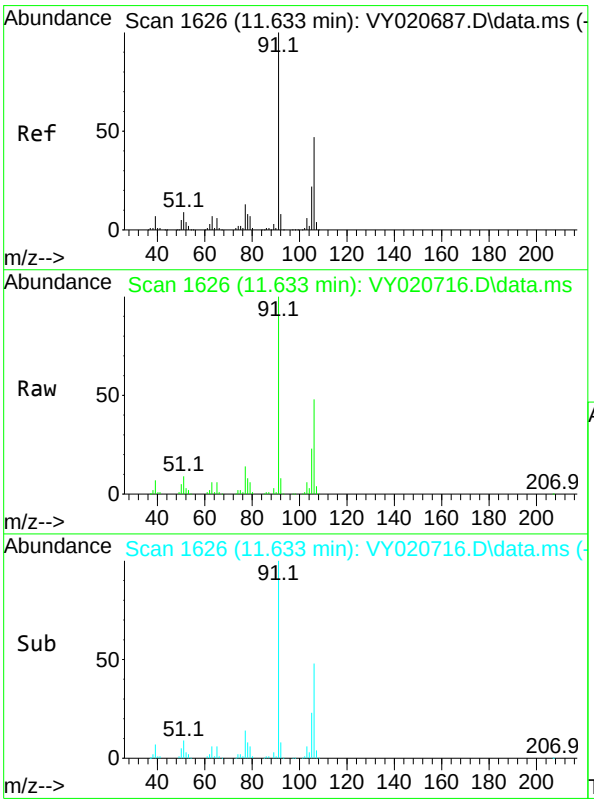
#67
Ethyl Benzene
Concen: 19.693 ug/l
RT: 11.524 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 91 Resp: 94825

Ion	Ratio	Lower	Upper
91	100		
106	32.1	24.5	36.7

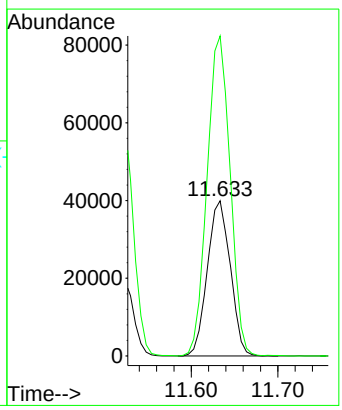


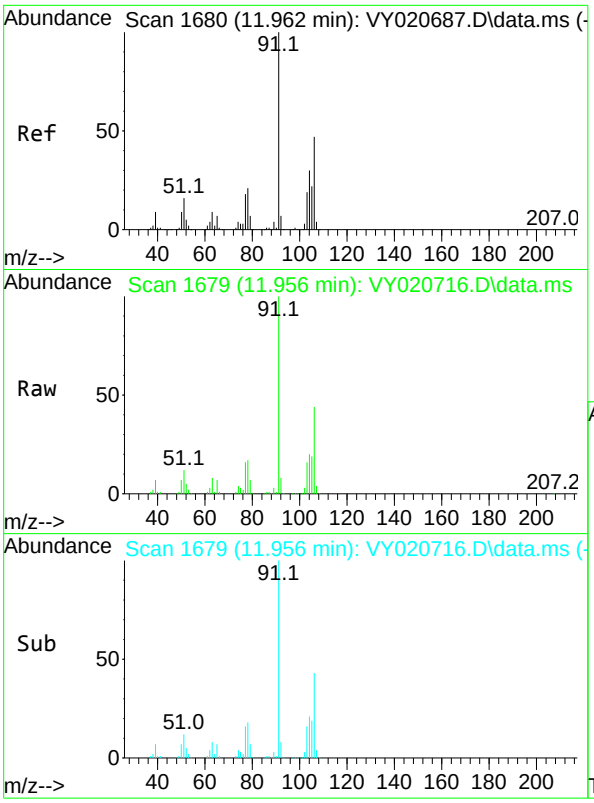


#68
m/p-Xylenes
Concen: 40.019 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:106 Resp: 73507

Ion	Ratio	Lower	Upper
106	100		
91	207.3	166.6	250.0



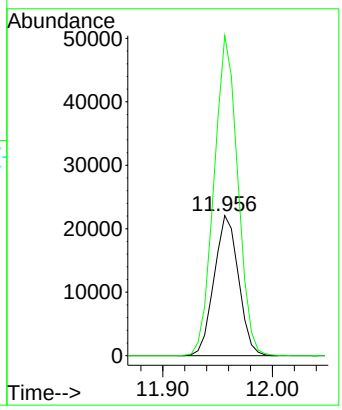


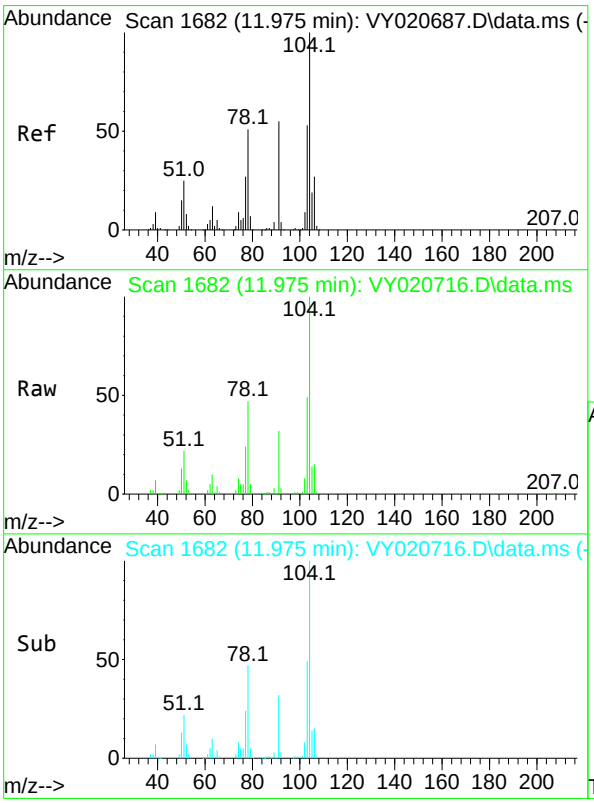
#69
o-Xylene
Concen: 19.455 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion:106 Resp: 34142

Ion	Ratio	Lower	Upper
106	100		
91	223.0	108.6	325.8

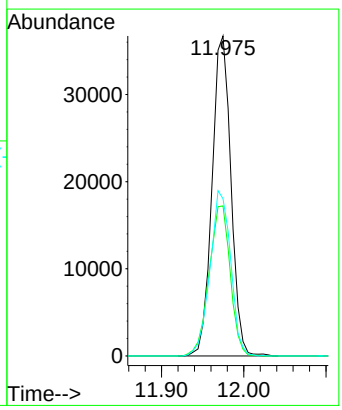


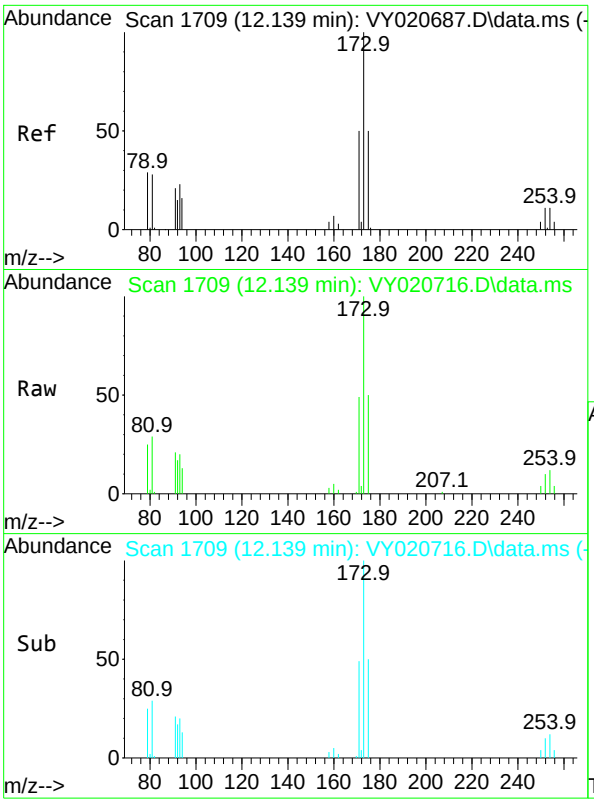


#70
Styrene
Concen: 19.918 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:104 Resp: 58678

Ion	Ratio	Lower	Upper
104	100		
78	52.5	43.0	64.4
103	56.3	44.4	66.6



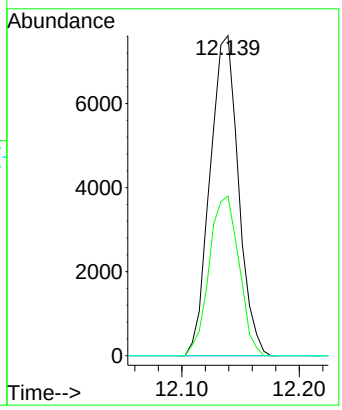


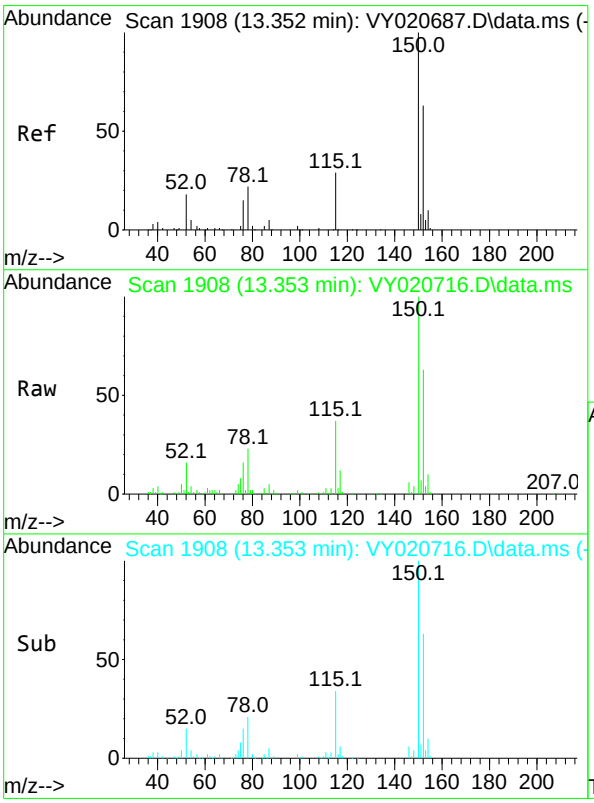
#71
Bromoform
Concen: 20.885 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion:173 Resp: 12816

Ion	Ratio	Lower	Upper
173	100		
175	52.1	24.2	72.6
254	0.0	0.0	0.0

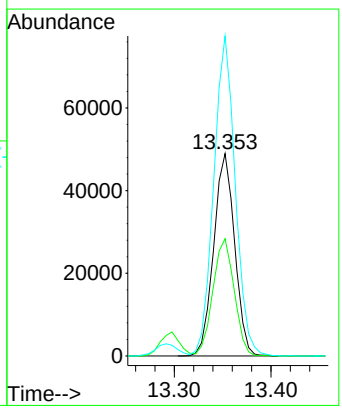


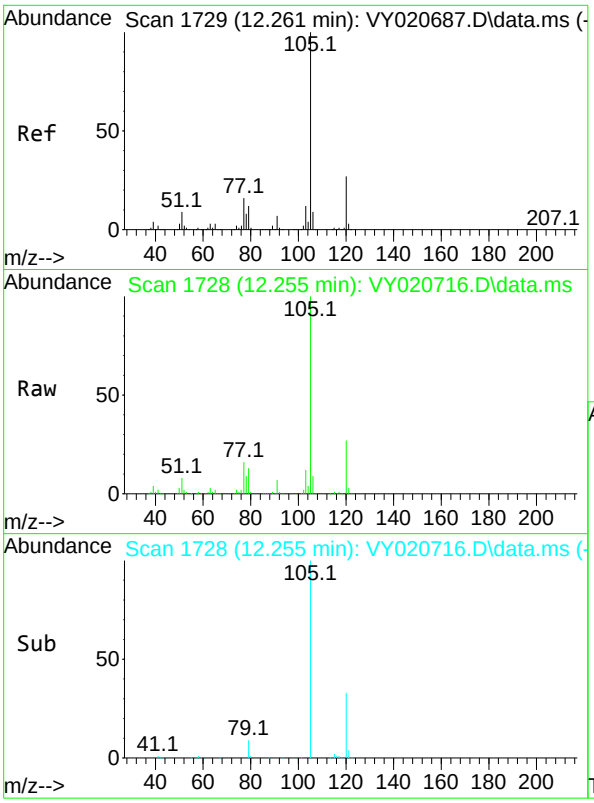


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.001 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:152 Resp: 73666

Ion	Ratio	Lower	Upper
152	100		
115	58.8	30.3	90.9
150	162.1	0.0	349.0



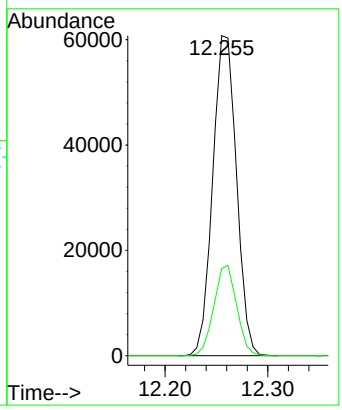


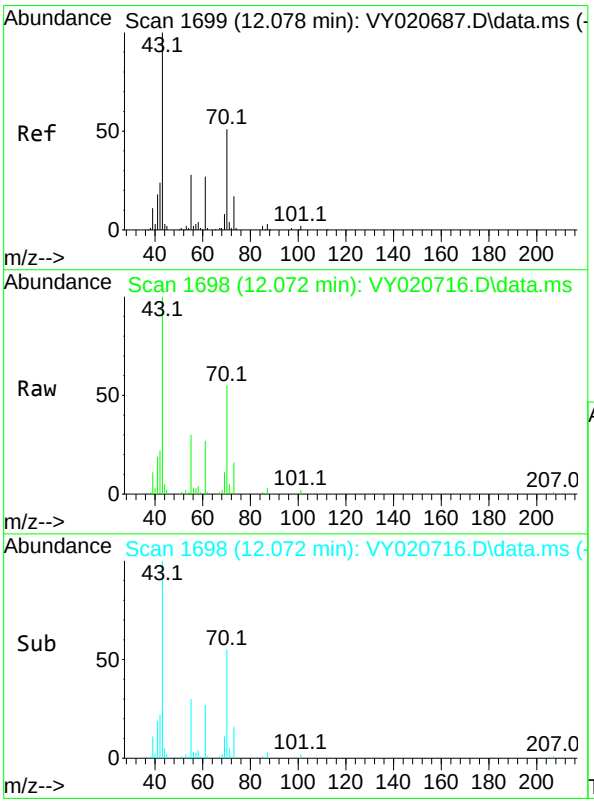
#73
Isopropylbenzene
Concen: 19.094 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion:105 Resp: 97450

Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.3	39.9

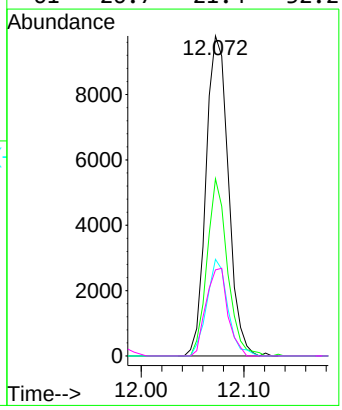


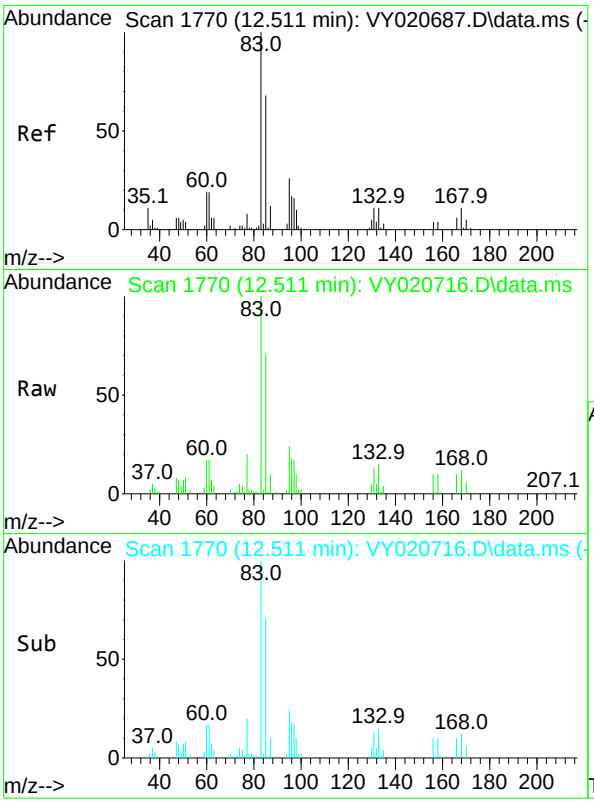


#74
N-amyl acetate
Concen: 20.431 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 43 Resp: 14818

Ion	Ratio	Lower	Upper
43	100		
70	50.5	39.7	59.5
55	28.3	21.5	32.3
61	26.7	21.4	32.2



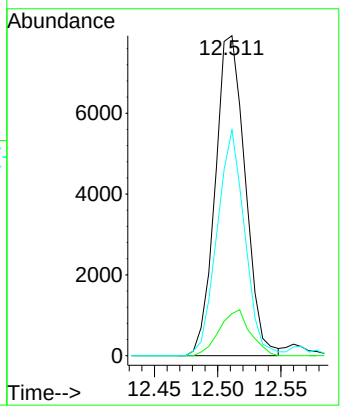


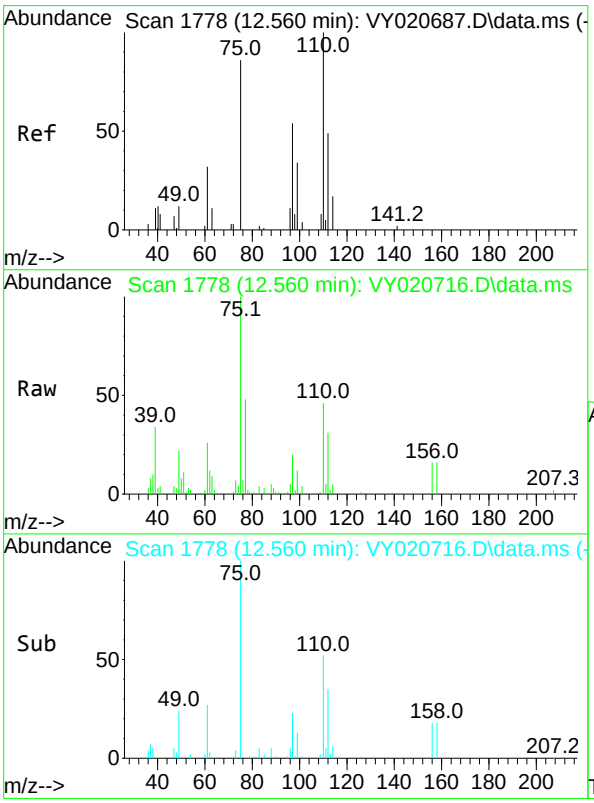
#75
1,1,2,2-Tetrachloroethane
Concen: 19.900 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 83 Resp: 13020

Ion	Ratio	Lower	Upper
83	100		
131	14.7	6.9	20.7
85	65.4	32.5	97.4

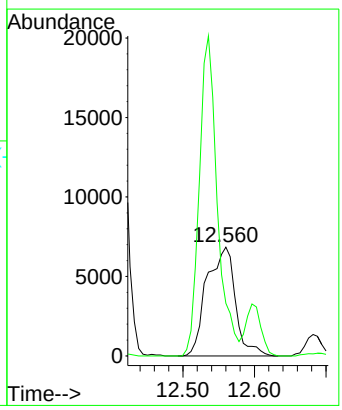


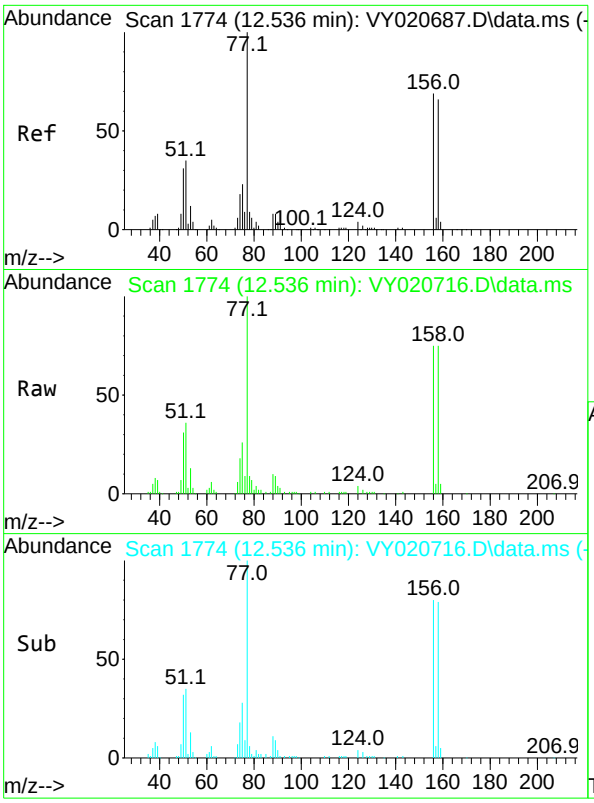


#76
1,2,3-Trichloropropane
Concen: 40.670 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 75 Resp: 19055

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



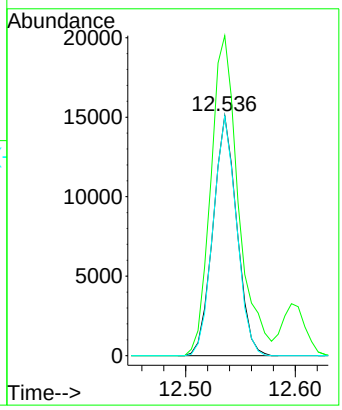


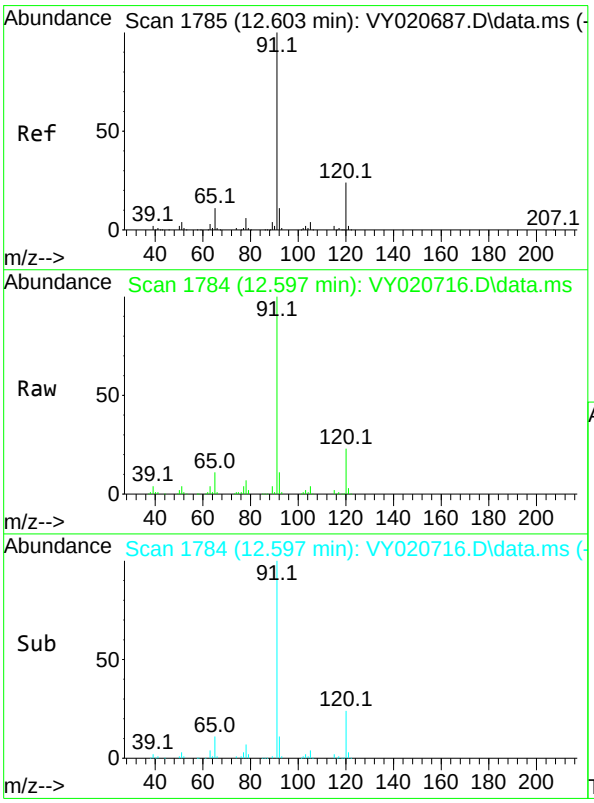
#77
Bromobenzene
Concen: 19.396 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion:156 Resp: 22787

Ion	Ratio	Lower	Upper
156	100		
77	155.4	78.3	235.0
158	98.3	48.3	144.9

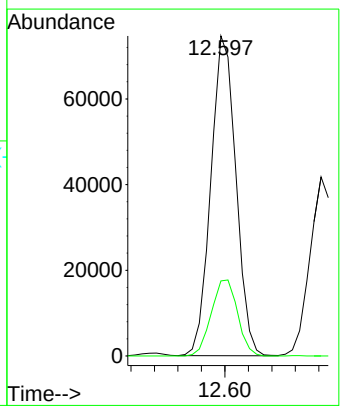


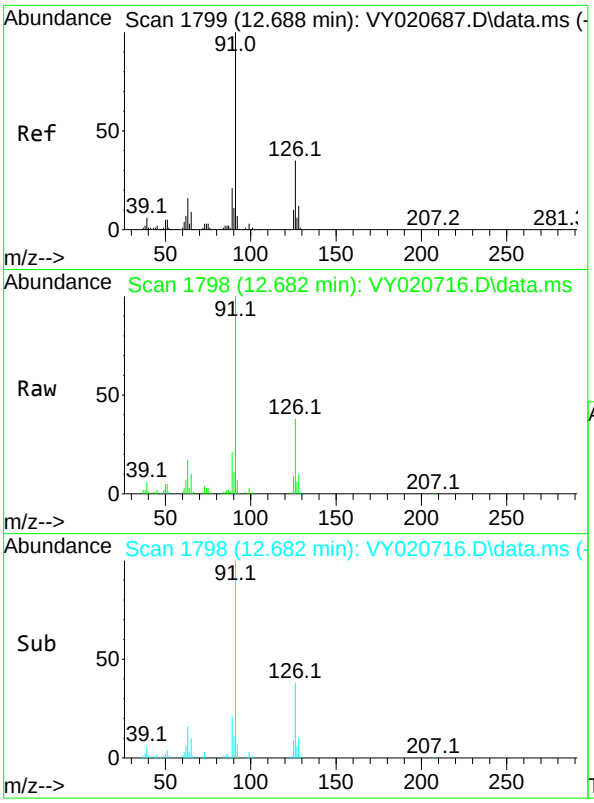


#78
n-propylbenzene
Concen: 19.355 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 91 Resp: 110719

Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.3	36.8



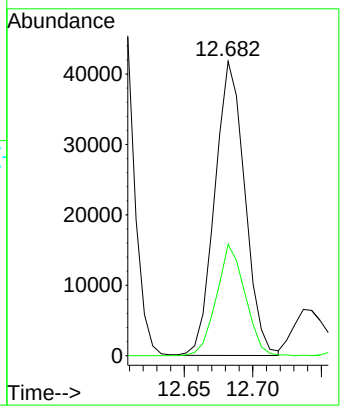


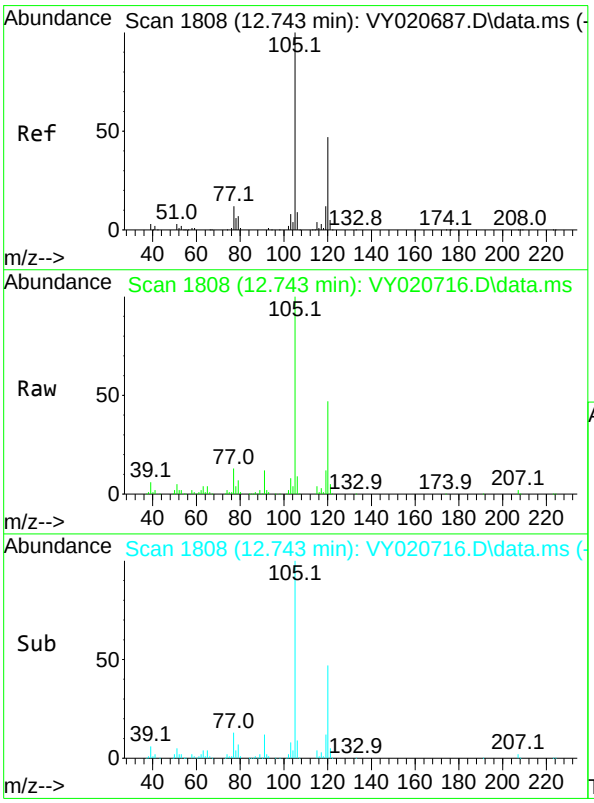
#79
2-Chlorotoluene
Concen: 19.509 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 91 Resp: 63619

Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.8	53.3

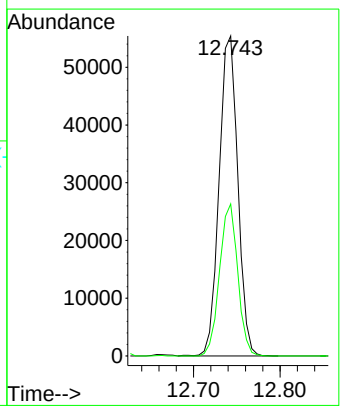


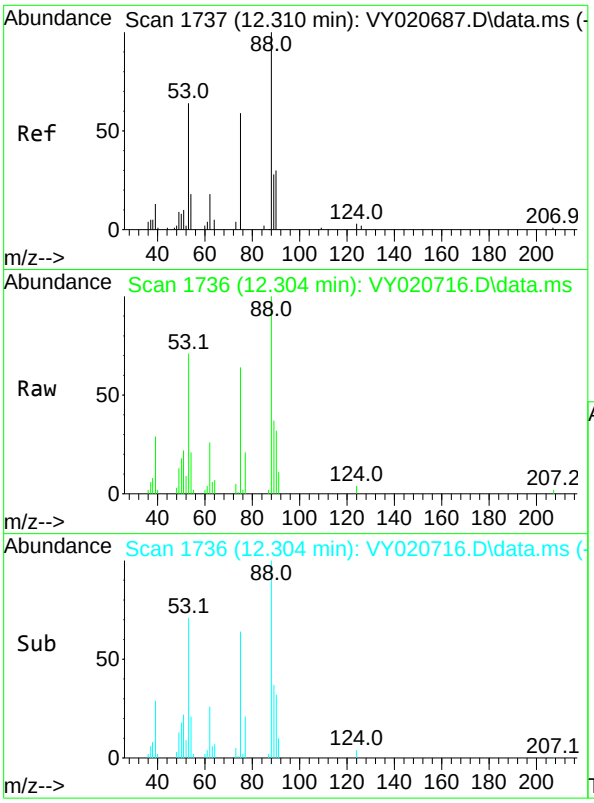


#80
1,3,5-Trimethylbenzene
Concen: 19.509 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:105 Resp: 82956

Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.9	71.7



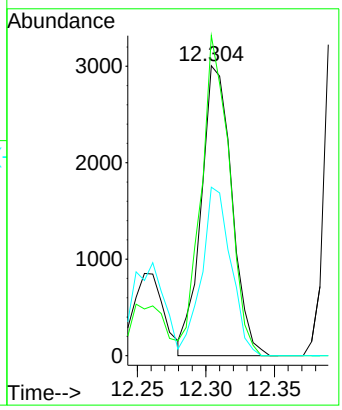


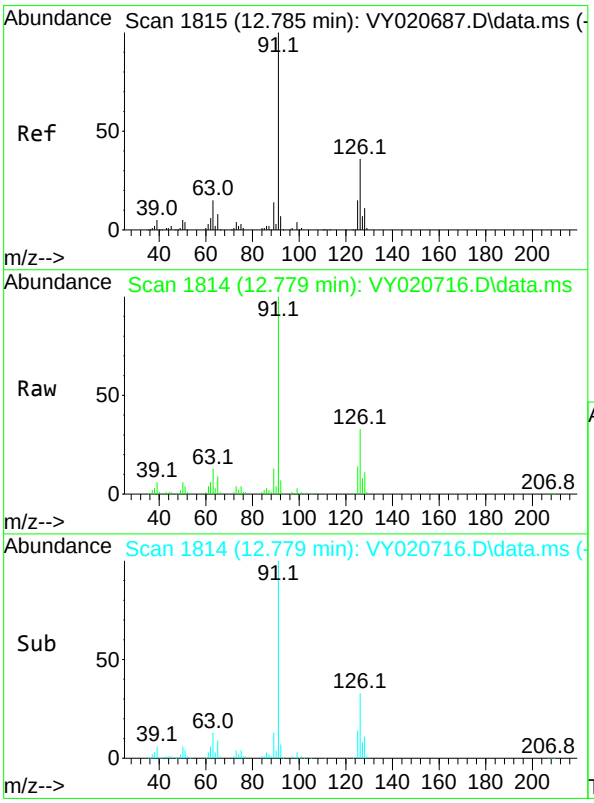
#81
trans-1,4-Dichloro-2-butene
Concen: 19.790 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 75 Resp: 4691

Ion	Ratio	Lower	Upper
75	100		
53	101.6	83.1	124.7
89	55.3	40.6	61.0

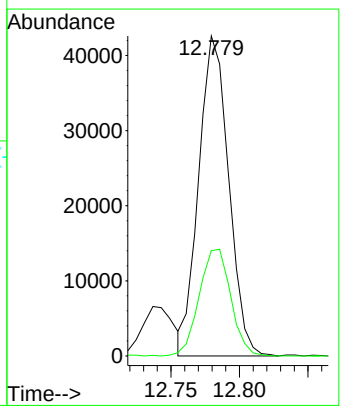


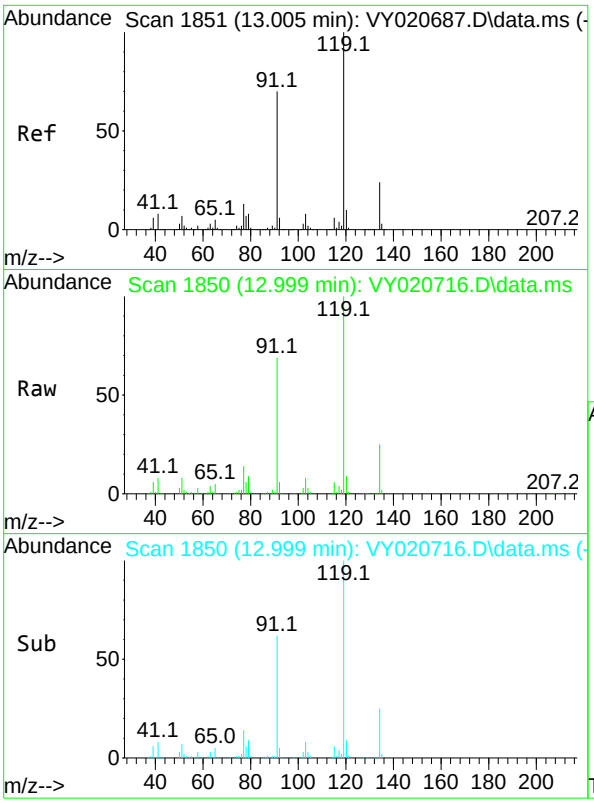


#82
4-Chlorotoluene
Concen: 19.219 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 91 Resp: 64772

Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.8	53.5



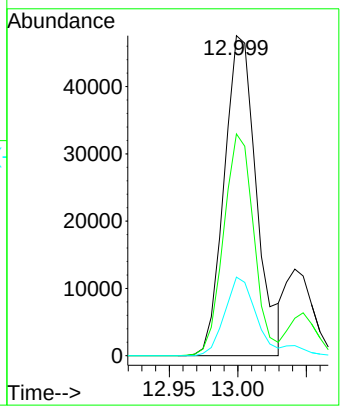


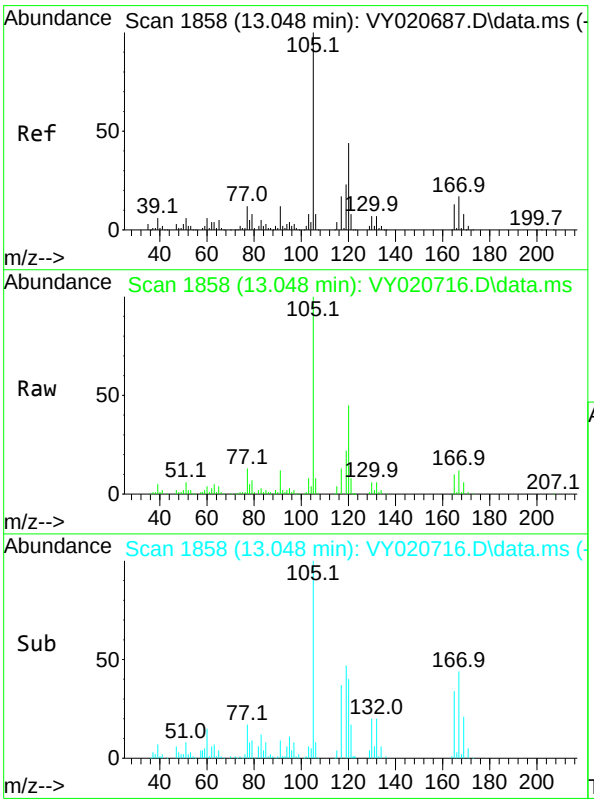
#83
tert-Butylbenzene
Concen: 19.685 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion:119 Resp: 78168

Ion	Ratio	Lower	Upper
119	100		
91	65.0	33.6	100.8
134	25.7	13.4	40.2

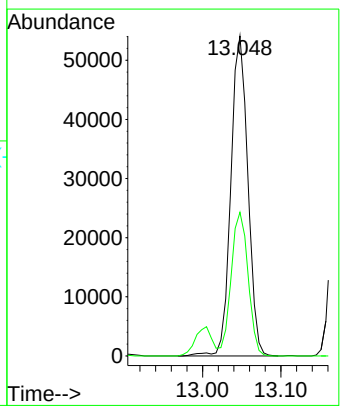


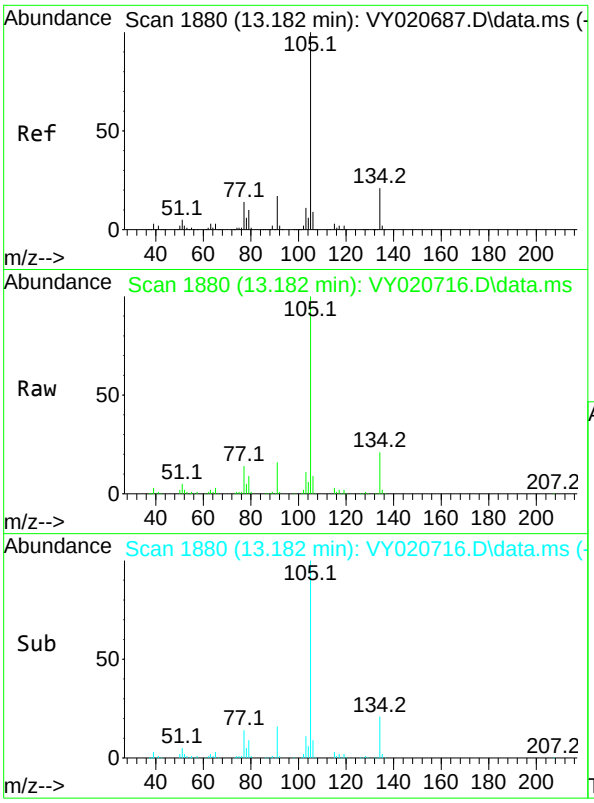


#84
1,2,4-Trimethylbenzene
Concen: 19.695 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:105 Resp: 81496

Ion	Ratio	Lower	Upper
105	100		
120	44.9	21.8	65.3



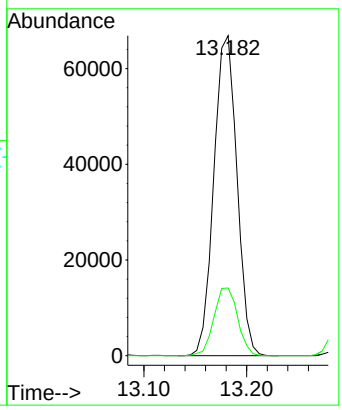


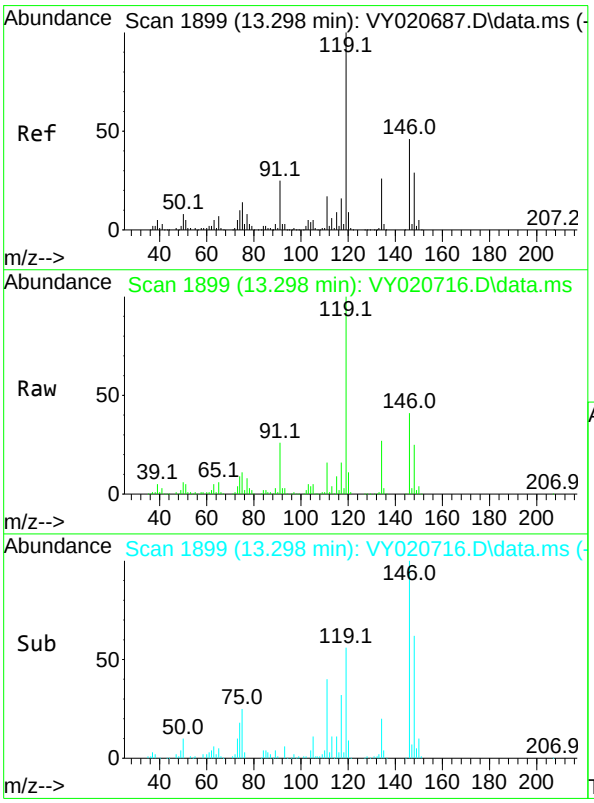
#85
sec-Butylbenzene
Concen: 19.495 ug/l
RT: 13.182 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion:105 Resp: 104334

Ion	Ratio	Lower	Upper
105	100		
134	21.7	10.7	32.1

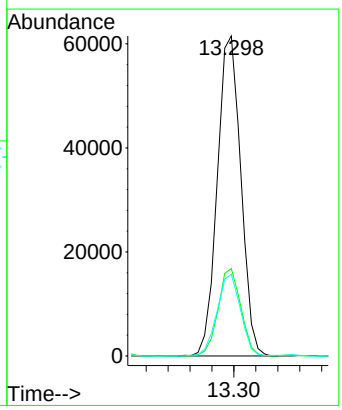


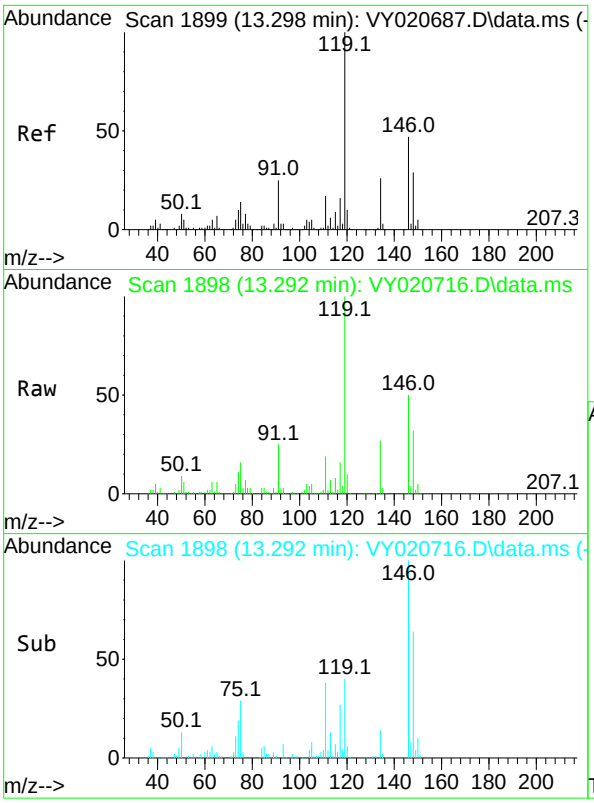


#86
p-Isopropyltoluene
Concen: 19.238 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:119 Resp: 91757

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.4	40.2
91	25.4	12.9	38.6



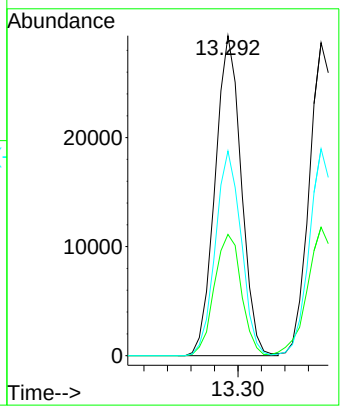


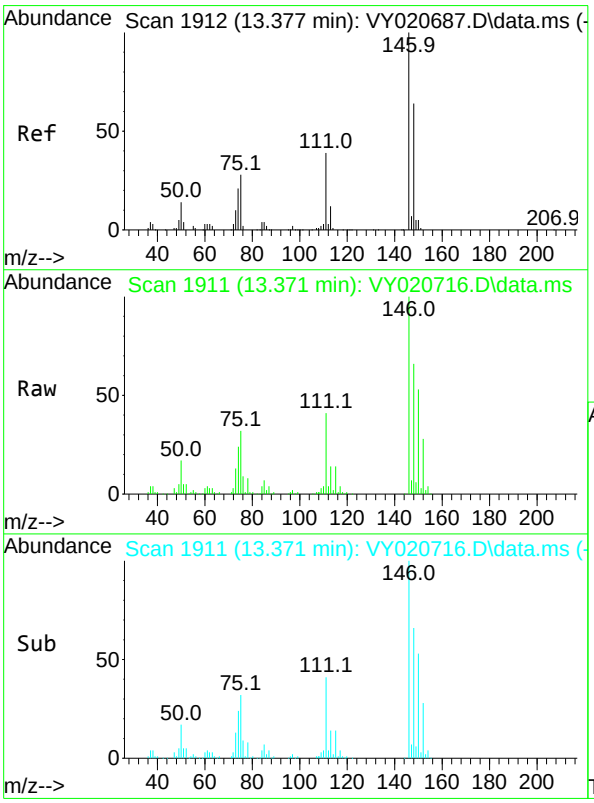
#87
1,3-Dichlorobenzene
Concen: 19.781 ug/l
RT: 13.292 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion:146 Resp: 45422

Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.3	57.8
148	63.1	31.1	93.5

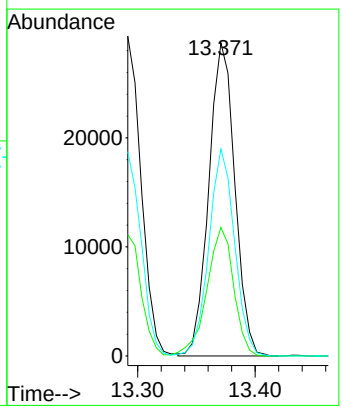


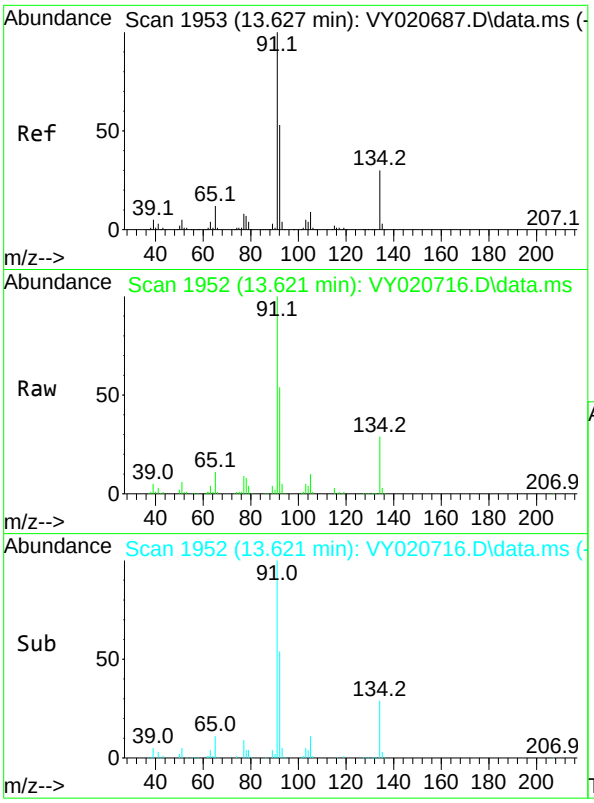


#88
1,4-Dichlorobenzene
Concen: 19.360 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:146 Resp: 44221

Ion	Ratio	Lower	Upper
146	100		
111	42.1	19.7	59.0
148	65.5	32.8	98.3



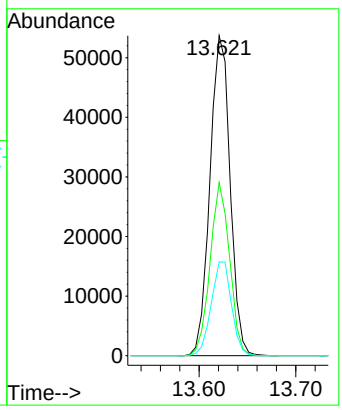


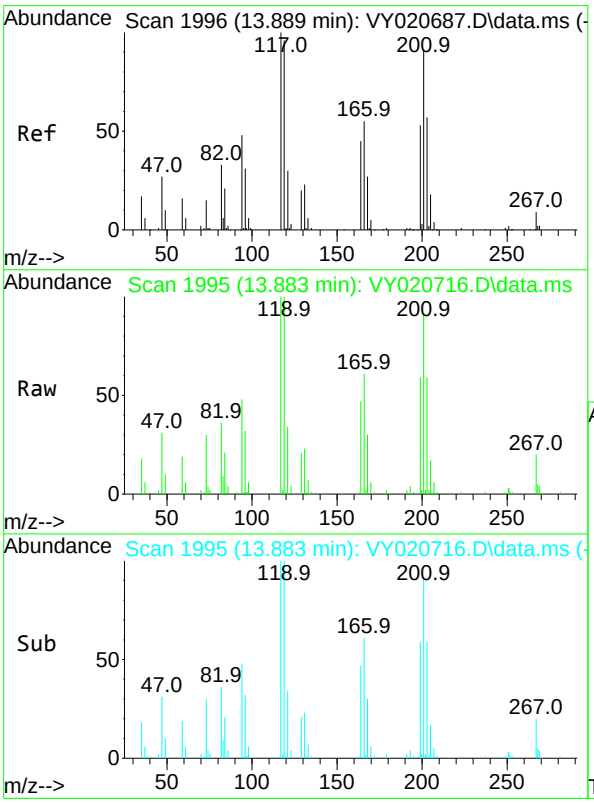
#89
n-Butylbenzene
Concen: 19.544 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion: 91 Resp: 77813

Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.2
134	29.5	14.8	44.4

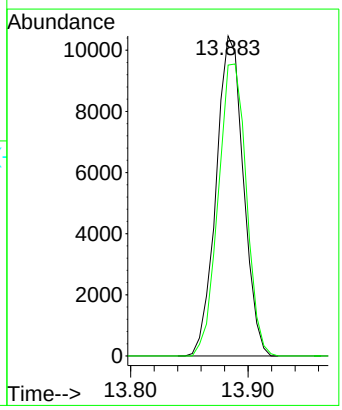


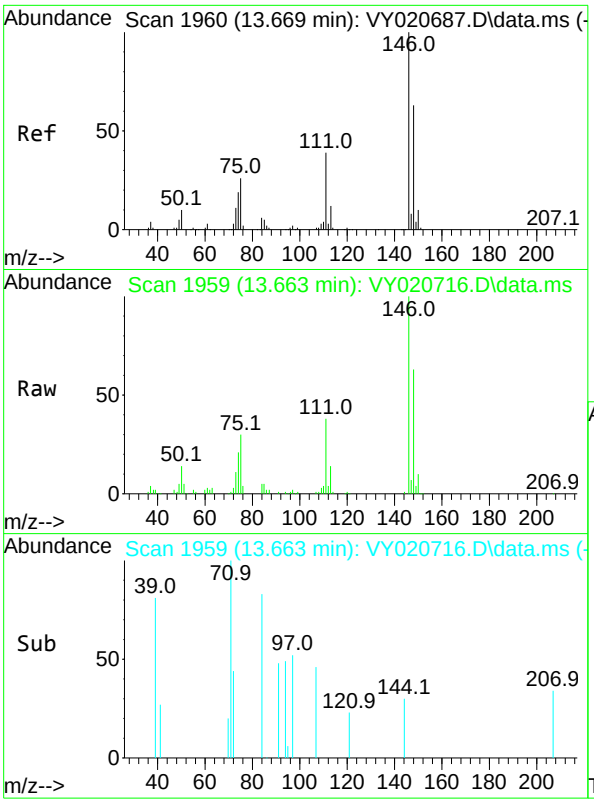


#90
Hexachloroethane
Concen: 18.644 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:117 Resp: 16909

Ion	Ratio	Lower	Upper
117	100		
201	93.8	44.9	134.7



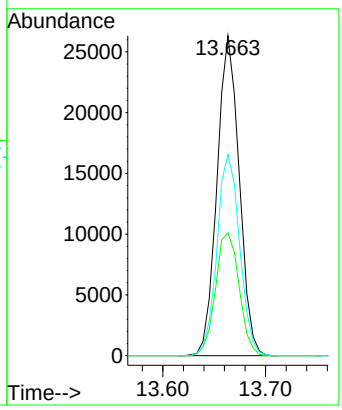


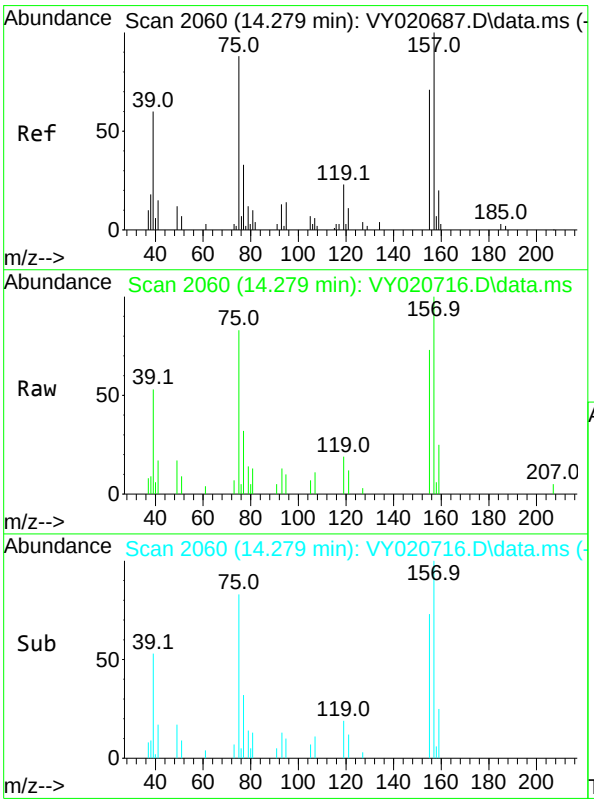
#91
1,2-Dichlorobenzene
Concen: 20.046 ug/l
RT: 13.663 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion:146 Resp: 39466

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.8
148	64.3	31.9	95.5

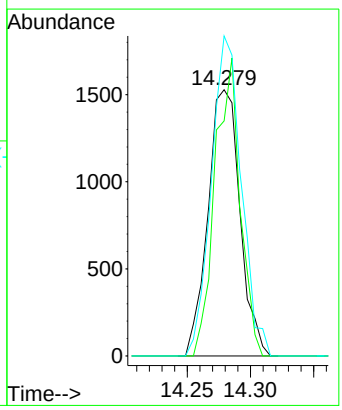


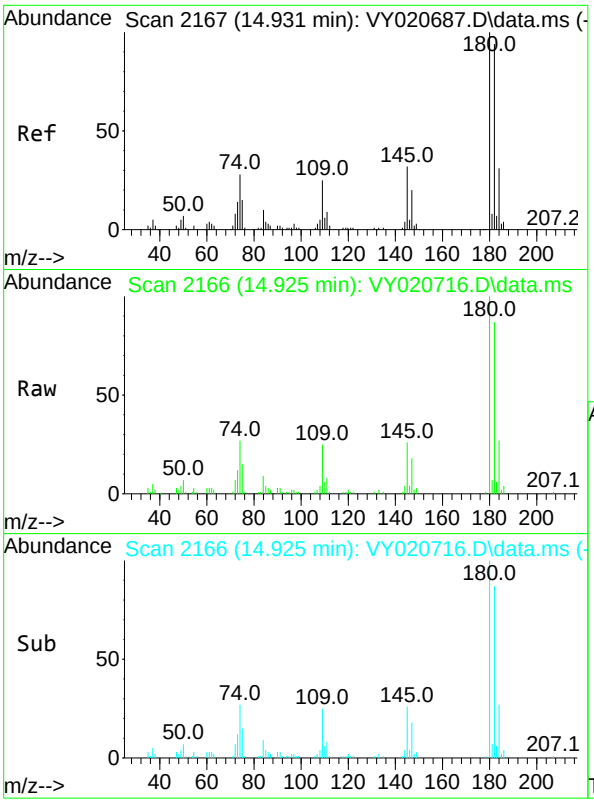


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.198 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion: 75 Resp: 2690

Ion	Ratio	Lower	Upper
75	100		
155	87.6	43.4	130.2
157	112.9	58.6	175.7



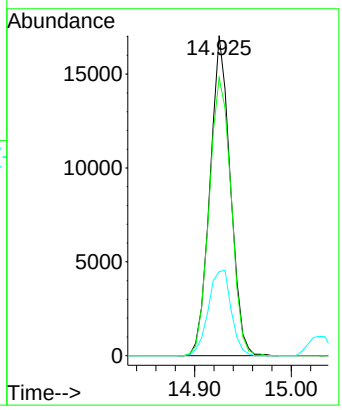


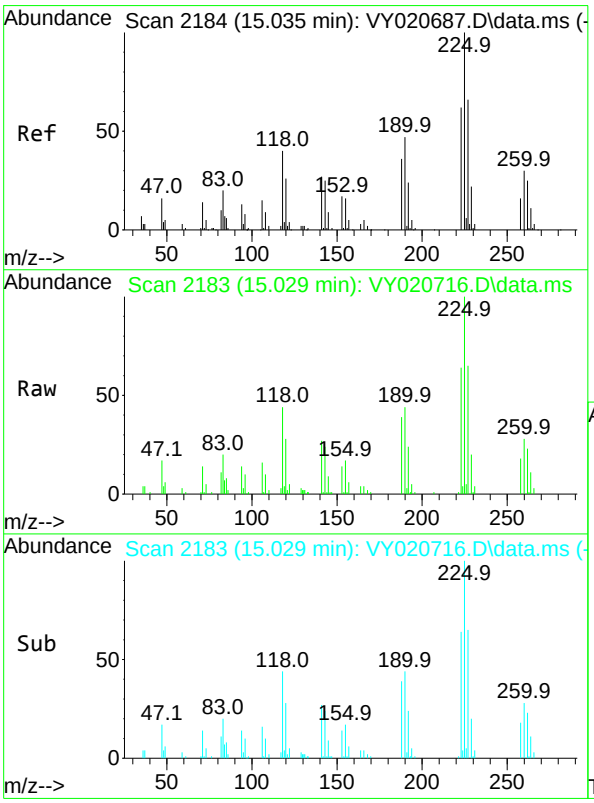
#93
1,2,4-Trichlorobenzene
Concen: 19.888 ug/l
RT: 14.925 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion:180 Resp: 24888

Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.9	143.7
145	30.1	15.6	46.8

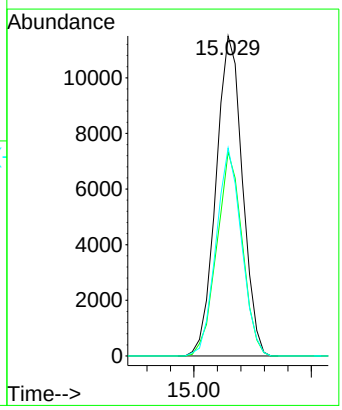


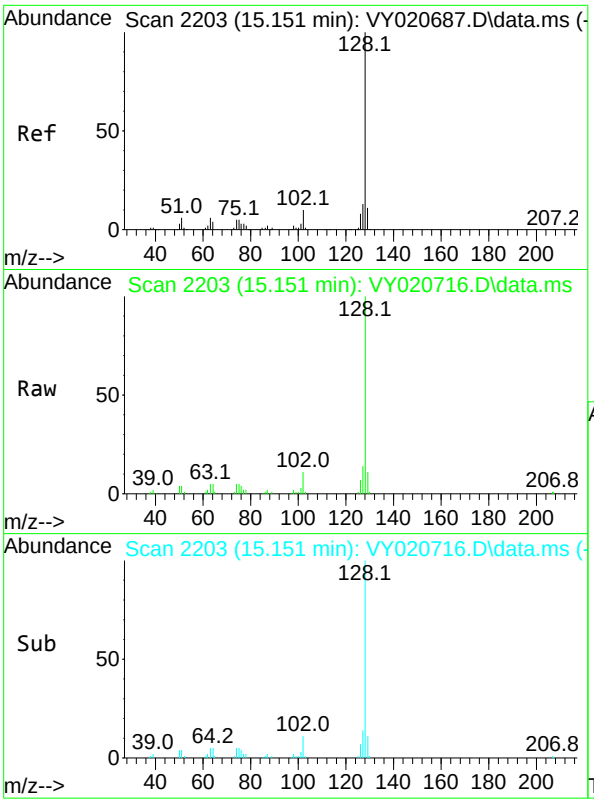


#94
Hexachlorobutadiene
Concen: 19.715 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:225 Resp: 17981

Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.3	93.8
227	62.6	32.1	96.5



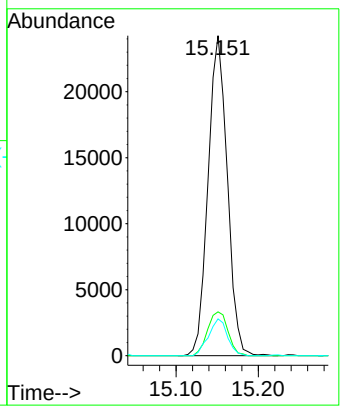


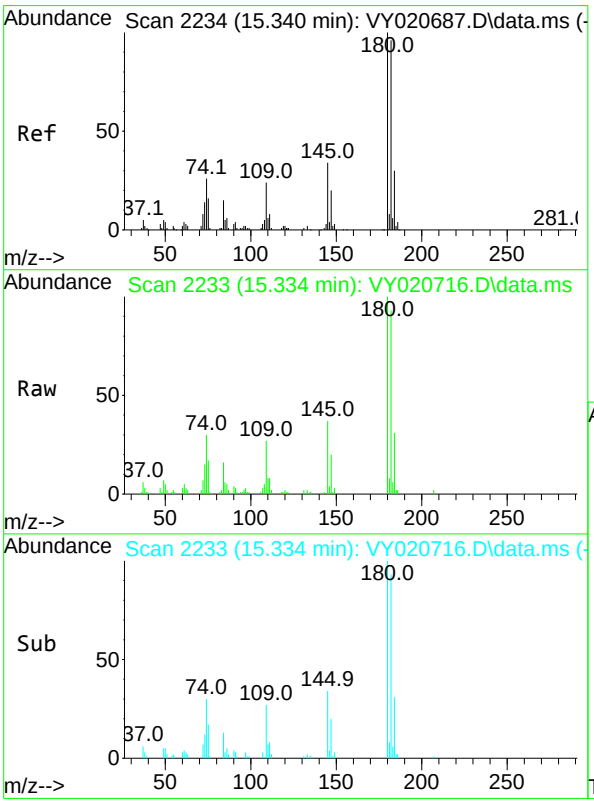
#95
Naphthalene
Concen: 19.639 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBSD01

Tgt Ion:128 Resp: 39363

Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.7	16.1
129	11.3	8.6	12.8

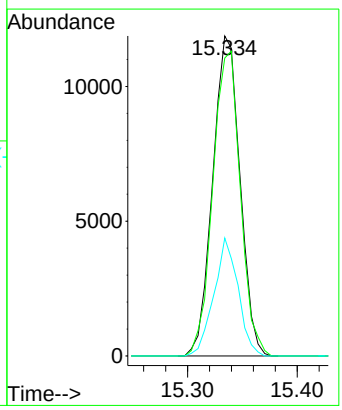




#96
1,2,3-Trichlorobenzene
Concen: 19.681 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.006 min
Lab File: VY020716.D
Acq: 26 Dec 2024 14:54

Tgt Ion:180 Resp: 20507

Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.4	142.2
145	32.8	16.7	50.1



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020728.D
Acq On : 26 Dec 2024 19:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 27 00:37:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	118688	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.616	114	172132	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	148030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	76525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	57538	59.186	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.380%			
35) Dibromofluoromethane	7.640	113	52517	55.390	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.780%			
50) Toluene-d8	10.109	98	201423	53.305	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.600%			
62) 4-Bromofluorobenzene	12.408	95	70702	56.112	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 112.220%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	42146	45.114	ug/l	94
3) Chloromethane	2.074	50	18374	52.737	ug/l	94
4) Vinyl Chloride	2.208	62	21249	49.224	ug/l	96
5) Bromomethane	2.604	94	16604	50.944	ug/l	93
6) Chloroethane	2.745	64	13180	50.896	ug/l	97
7) Trichlorofluoromethane	3.068	101	73042	44.000	ug/l	98
8) Diethyl Ether	3.464	74	21450	54.301	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.824	101	43414	47.637	ug/l	99
10) Methyl Iodide	4.013	142	51674	51.852	ug/l	100
11) Tert butyl alcohol	4.878	59	16118	266.739	ug/l #	81
12) 1,1-Dichloroethene	3.799	96	40626	50.083	ug/l	97
13) Acrolein	3.659	56	3260	160.414	ug/l	98
14) Allyl chloride	4.391	41	50835	53.553	ug/l	93
15) Acrylonitrile	5.073	53	40816	267.470	ug/l	97
16) Acetone	3.879	43	29116	236.085	ug/l	97
17) Carbon Disulfide	4.116	76	104201	52.366	ug/l	98
18) Methyl Acetate	4.391	43	18350	54.975	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	118115	52.242	ug/l	98
20) Methylene Chloride	4.628	84	43712	54.496	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	46151	52.798	ug/l	97
22) Diisopropyl ether	6.025	45	108472	56.213	ug/l	99
23) Vinyl Acetate	5.970	43	314401	272.779	ug/l	96
24) 1,1-Dichloroethane	5.927	63	76973	53.204	ug/l	98
25) 2-Butanone	6.896	43	45661	274.081	ug/l	90
26) 2,2-Dichloropropane	6.890	77	83233	47.004	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	55233	52.764	ug/l	97
28) Bromochloromethane	7.250	49	23832	62.291	ug/l	98
29) Tetrahydrofuran	7.262	42	28493	278.632	ug/l	99
30) Chloroform	7.427	83	95317	51.215	ug/l	99
31) Cyclohexane	7.707	56	56780	45.467	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	96771	48.508	ug/l	100
36) 1,1-Dichloropropene	7.841	75	59925	47.847	ug/l	98
37) Ethyl Acetate	6.988	43	21782	52.779	ug/l	98
38) Carbon Tetrachloride	7.823	117	92693	44.945	ug/l	96
39) Methylcyclohexane	9.115	83	73974	46.082	ug/l	95
40) Benzene	8.085	78	184941	50.952	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020728.D
Acq On : 26 Dec 2024 19:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 27 00:37:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	12457	59.754	ug/l		94
42) 1,2-Dichloroethane	8.164	62	58148	49.961	ug/l		99
43) Isopropyl Acetate	8.201	43	45902	52.327	ug/l		100
44) Trichloroethene	8.865	130	52902	48.797	ug/l		97
45) 1,2-Dichloropropane	9.146	63	38629	52.575	ug/l		99
46) Dibromomethane	9.237	93	25757	50.665	ug/l		96
47) Bromodichloromethane	9.426	83	71632	49.700	ug/l		93
48) Methyl methacrylate	9.225	41	20264	49.466	ug/l		98
49) 1,4-Dioxane	9.237	88	5473	1130.206	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	111120	262.443	ug/l		99
52) Toluene	10.170	92	126070	50.676	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	63222	49.943	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	70450	50.773	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	33307	51.326	ug/l		96
56) Ethyl methacrylate	10.444	69	44306	51.971	ug/l		97
57) 1,3-Dichloropropane	10.719	76	53860	51.138	ug/l		96
58) 2-Chloroethyl Vinyl ether	9.713	63	89410	300.757	ug/l		99
59) 2-Hexanone	10.761	43	76163	272.444	ug/l		98
60) Dibromochloromethane	10.914	129	51420	49.038	ug/l		99
61) 1,2-Dibromoethane	11.018	107	30175	49.418	ug/l		98
64) Tetrachloroethene	10.652	164	47206	46.676	ug/l		98
65) Chlorobenzene	11.444	112	143586	49.537	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	54805	48.804	ug/l		99
67) Ethyl Benzene	11.524	91	251000	49.546	ug/l		99
68) m/p-Xylenes	11.633	106	190725	98.695	ug/l		99
69) o-Xylene	11.956	106	91171	49.380	ug/l		100
70) Styrene	11.969	104	156202	50.397	ug/l		98
71) Bromoform	12.133	173	32013	49.586	ug/l	#	99
73) Isopropylbenzene	12.255	105	249657	47.089	ug/l		99
74) N-amyl acetate	12.072	43	39222	52.059	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	33686	49.563	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	48645	99.947	ug/l	#	100
77) Bromobenzene	12.536	156	59248	48.546	ug/l		100
78) n-propylbenzene	12.597	91	282155	47.482	ug/l		99
79) 2-Chlorotoluene	12.682	91	162993	48.116	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	212033	48.002	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	12073	49.030	ug/l		96
82) 4-Chlorotoluene	12.779	91	167778	47.924	ug/l		100
83) tert-Butylbenzene	12.999	119	191560	46.437	ug/l		100
84) 1,2,4-Trimethylbenzene	13.048	105	209170	48.661	ug/l		99
85) sec-Butylbenzene	13.176	105	259512	46.679	ug/l		99
86) p-Isopropyltoluene	13.292	119	231821	46.789	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	113309	47.503	ug/l		97
88) 1,4-Dichlorobenzene	13.371	146	112454	47.392	ug/l		98
89) n-Butylbenzene	13.621	91	190714	46.112	ug/l		99
90) Hexachloroethane	13.883	117	43349	46.011	ug/l		100
91) 1,2-Dichlorobenzene	13.663	146	100450	49.115	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6413	48.649	ug/l		95
93) 1,2,4-Trichlorobenzene	14.925	180	59790	45.993	ug/l		100
94) Hexachlorobutadiene	15.029	225	40572	42.822	ug/l		100
95) Naphthalene	15.151	128	97419	46.789	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	50331	46.500	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020728.D
Acq On : 26 Dec 2024 19:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 27 00:37:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

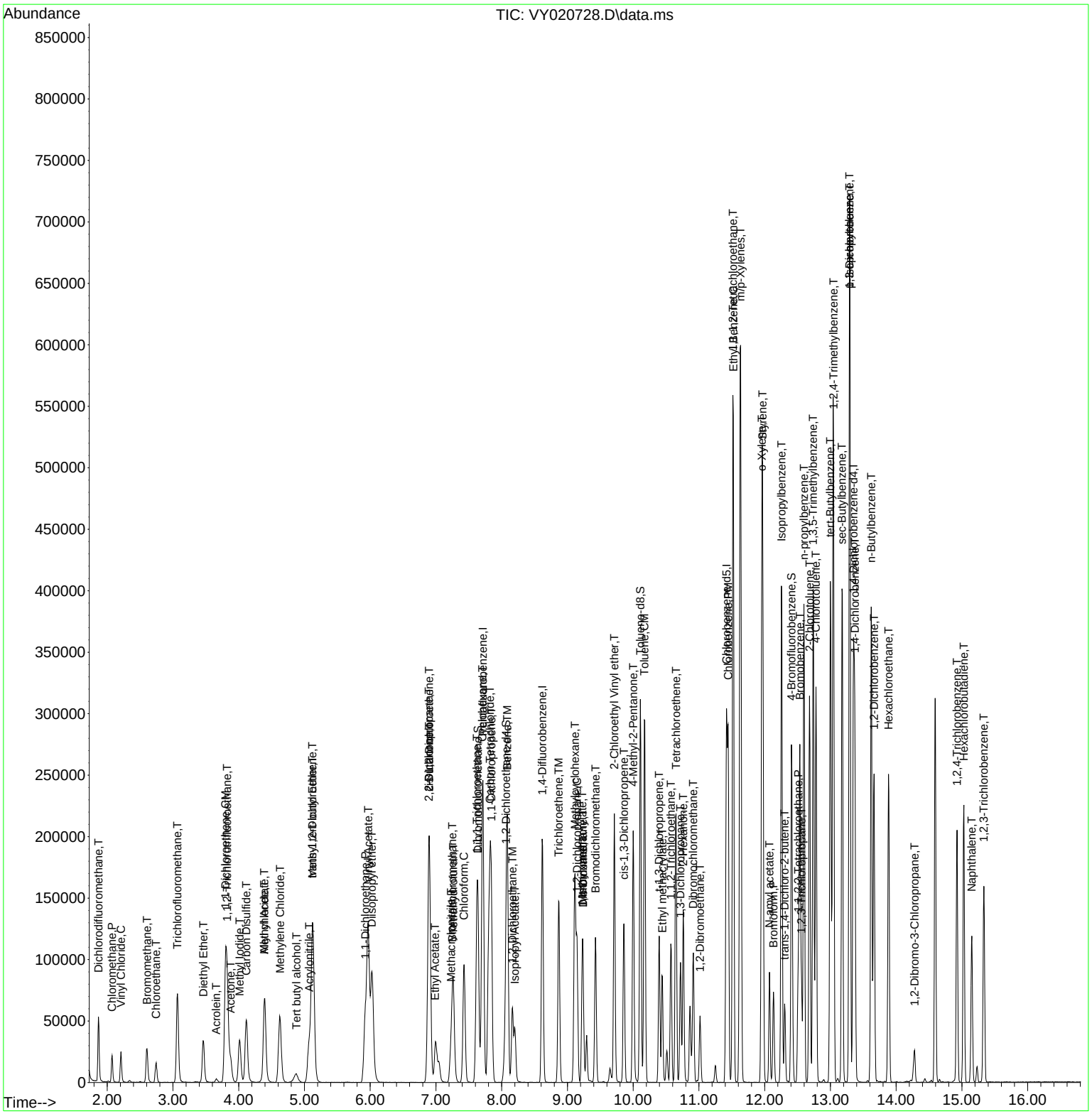
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

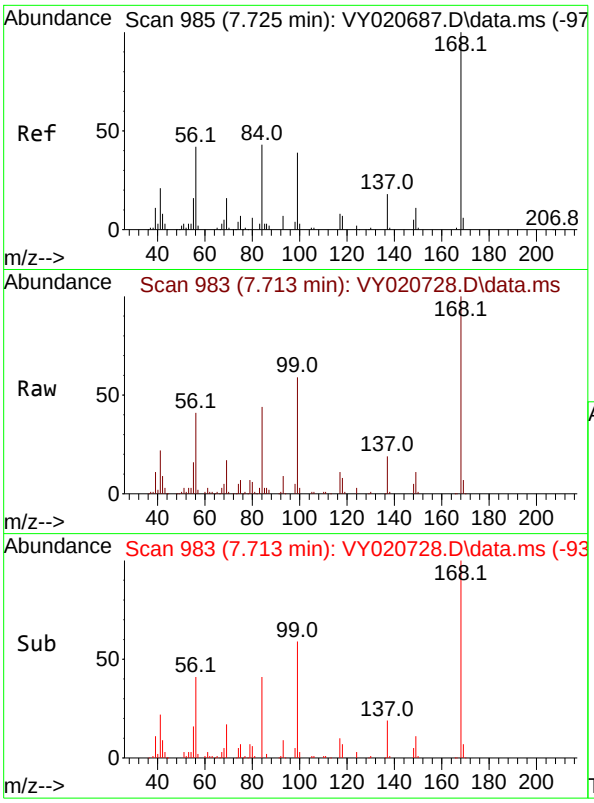
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
Data File : VY020728.D
Acq On : 26 Dec 2024 19:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 27 00:37:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration



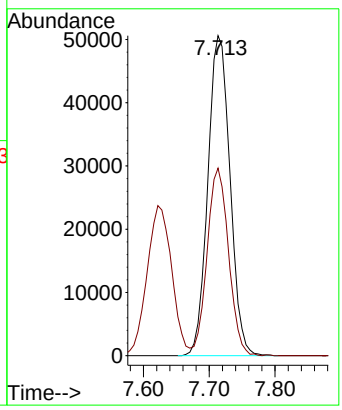


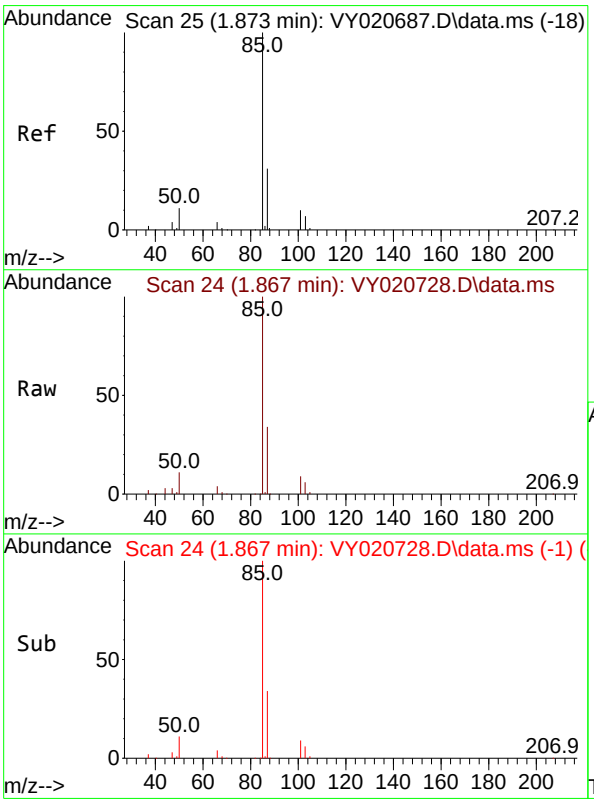
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 118688

Ion	Ratio	Lower	Upper
168	100		
99	58.6	43.8	65.6

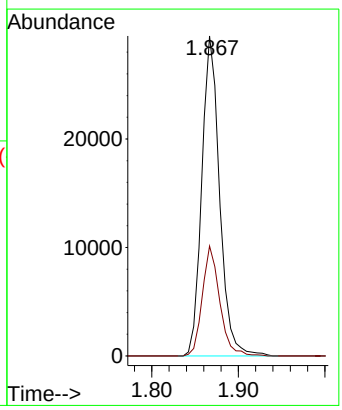


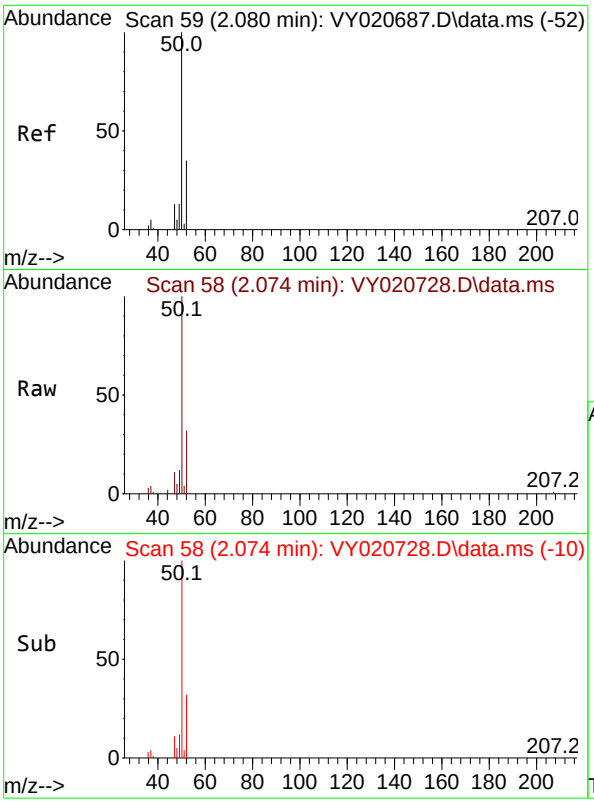


#2
Dichlorodifluoromethane
Concen: 45.114 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 85 Resp: 42146

Ion	Ratio	Lower	Upper
85	100		
87	34.4	15.4	46.4



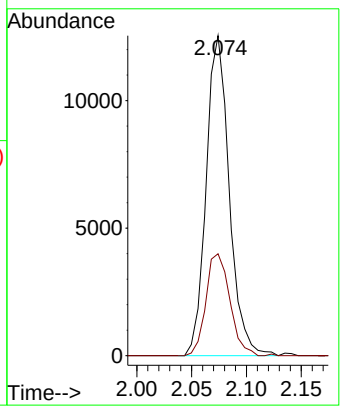


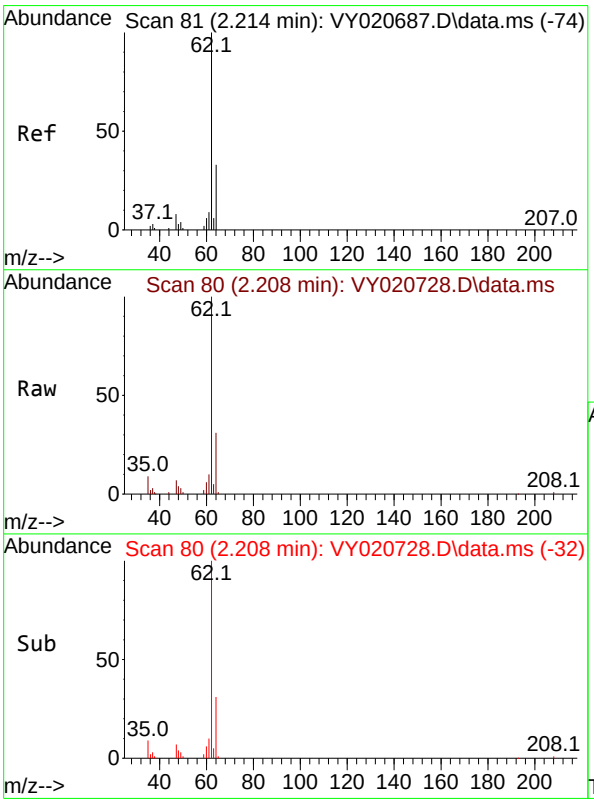
#3
Chloromethane
Concen: 52.737 ug/l
RT: 2.074 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 18374

Ion	Ratio	Lower	Upper
50	100		
52	31.9	28.2	42.2

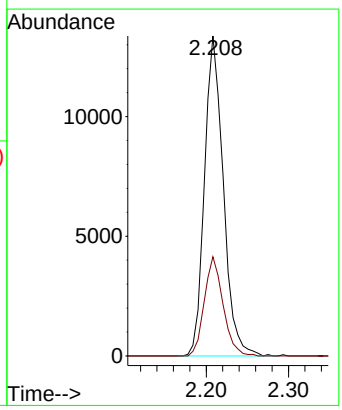


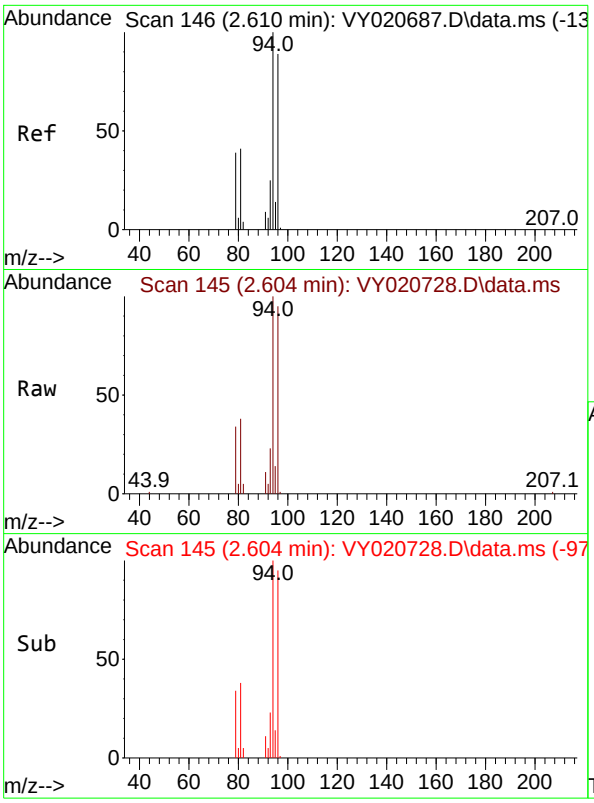


#4
Vinyl Chloride
Concen: 49.224 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 62 Resp: 21249

Ion	Ratio	Lower	Upper
62	100		
64	31.0	26.6	40.0



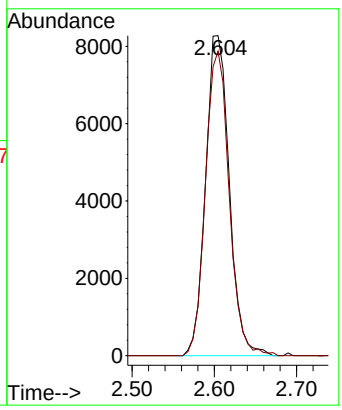


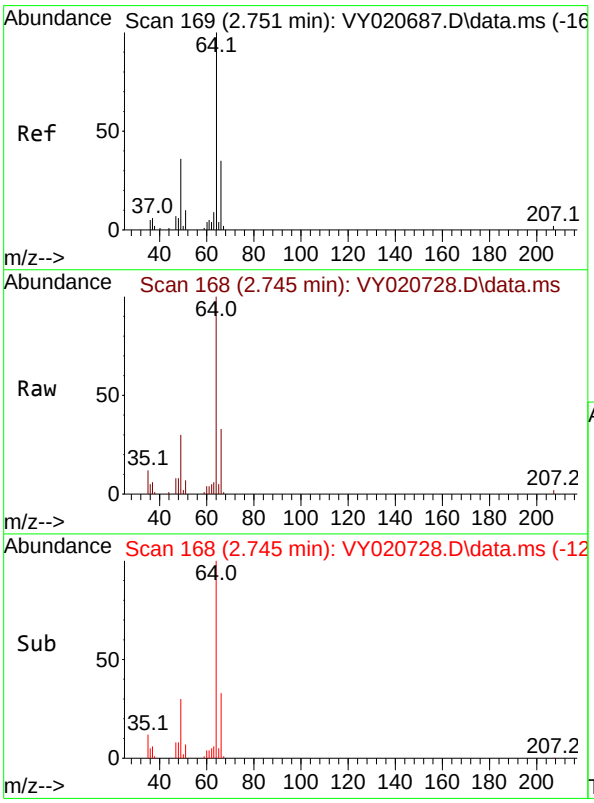
#5
Bromomethane
Concen: 50.944 ug/l
RT: 2.604 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 16604

Ion	Ratio	Lower	Upper
94	100		
96	95.1	71.0	106.6

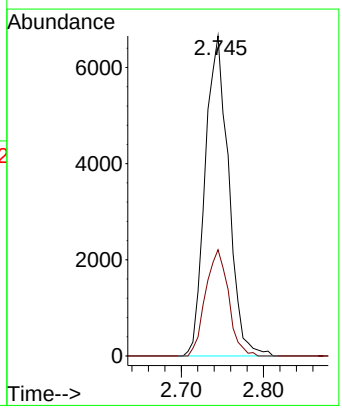


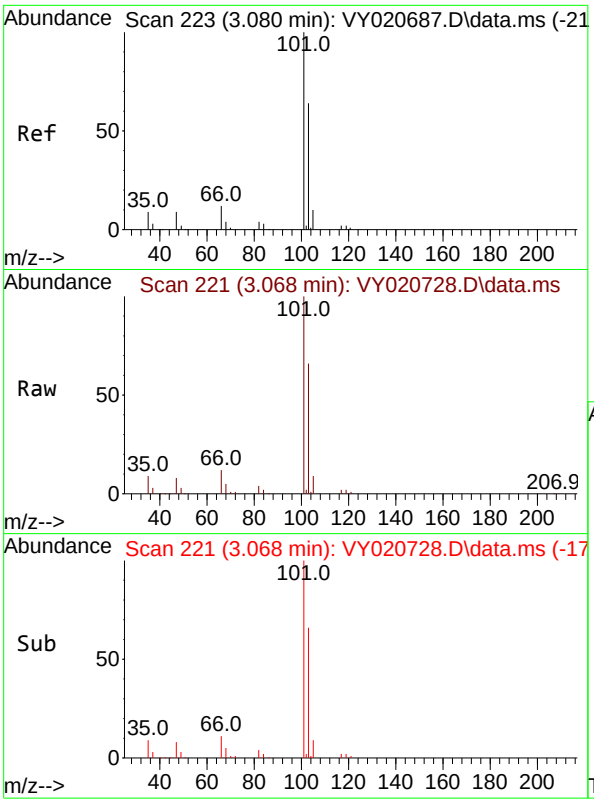


#6
Chloroethane
Concen: 50.896 ug/l
RT: 2.745 min Scan# 168
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 64 Resp: 13180

Ion	Ratio	Lower	Upper
64	100		
66	33.2	27.8	41.8



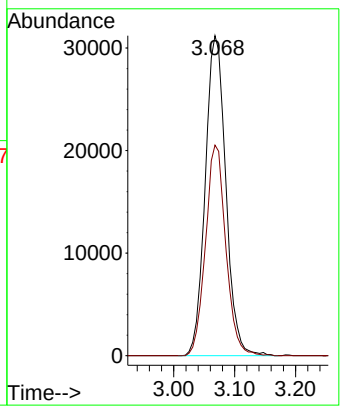


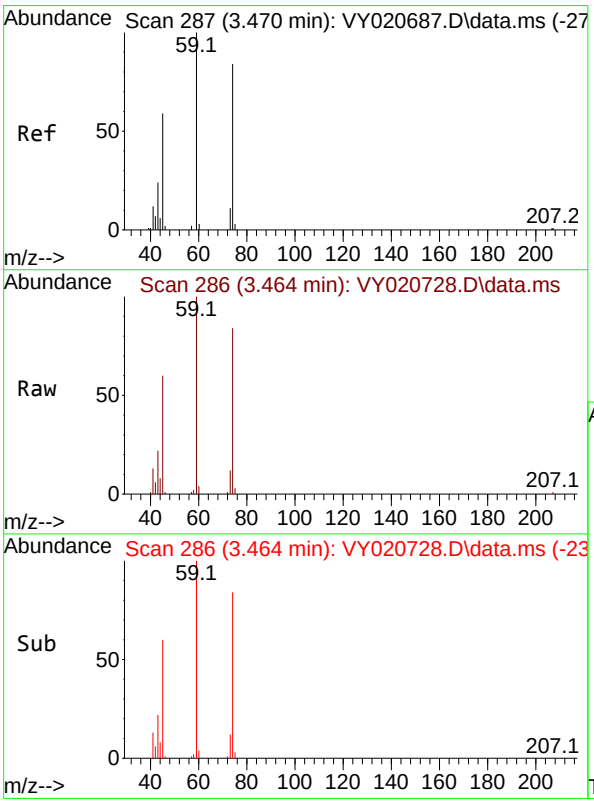
#7
Trichlorofluoromethane
Concen: 44.000 ug/l
RT: 3.068 min Scan# 2
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 73042

Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.4	77.0

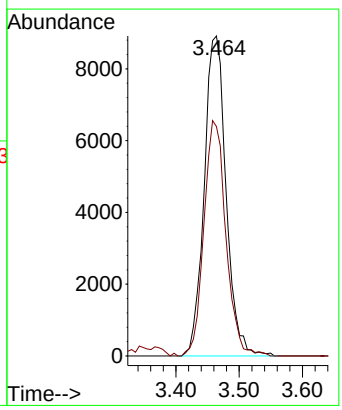


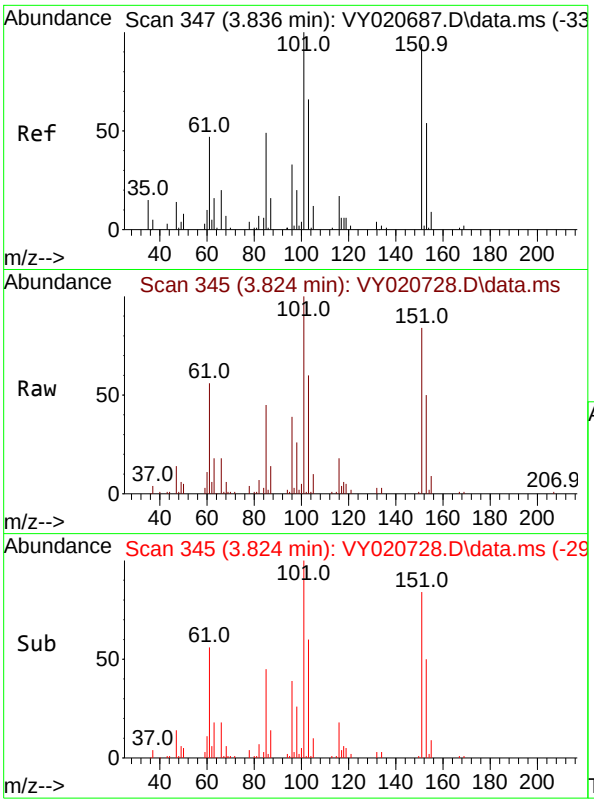


#8
Diethyl Ether
Concen: 54.301 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 74 Resp: 21450

Ion	Ratio	Lower	Upper
74	100		
45	74.1	35.8	107.4



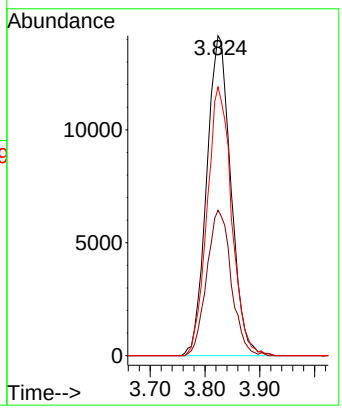


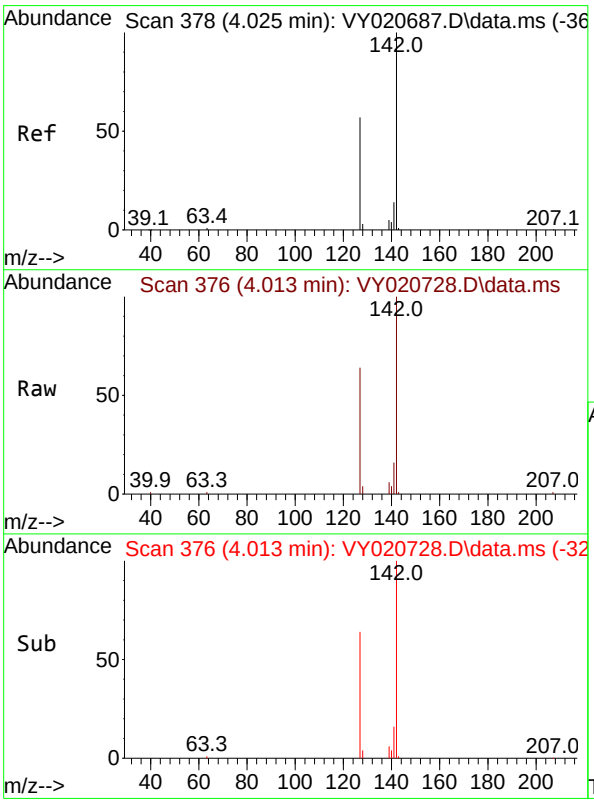
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.637 ug/l
RT: 3.824 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 43414

Ion	Ratio	Lower	Upper
101	100		
85	46.1	38.2	57.2
151	85.1	68.4	102.6

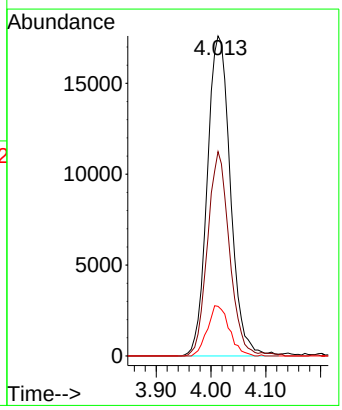


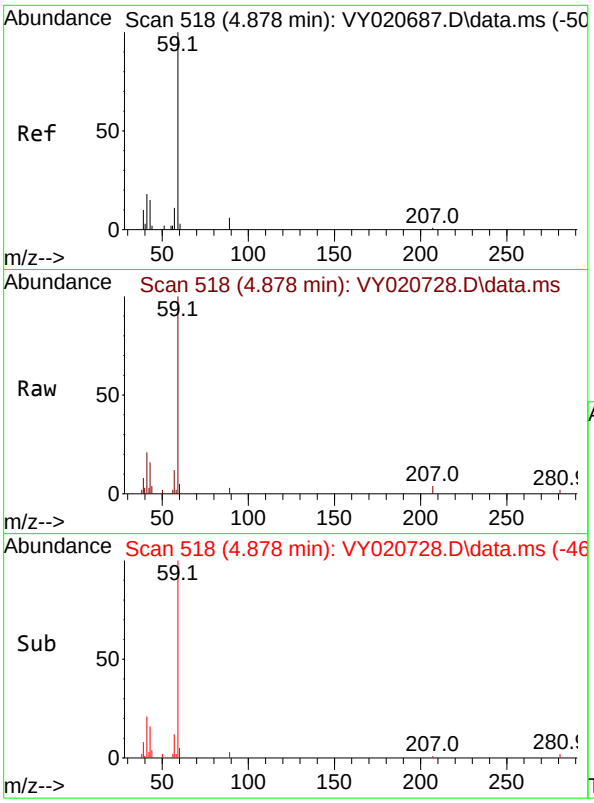


#10
Methyl Iodide
Concen: 51.852 ug/l
RT: 4.013 min Scan# 376
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:142 Resp: 51674

Ion	Ratio	Lower	Upper
142	100		
127	60.7	48.8	73.2
141	14.8	11.9	17.9



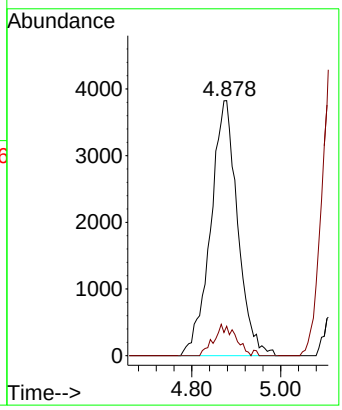


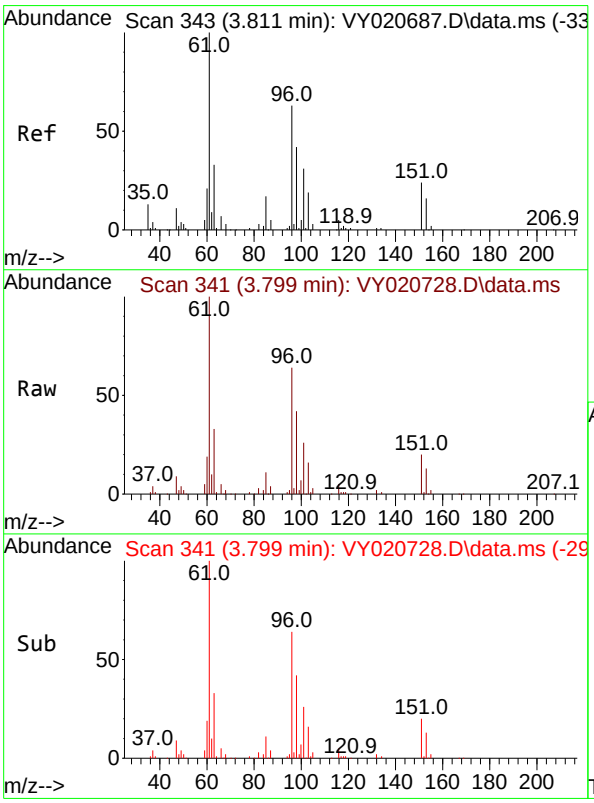
#11
Tert butyl alcohol
Concen: 266.739 ug/l
RT: 4.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 16118

Ion	Ratio	Lower	Upper
59	100		
57	9.7	2.8	4.2#

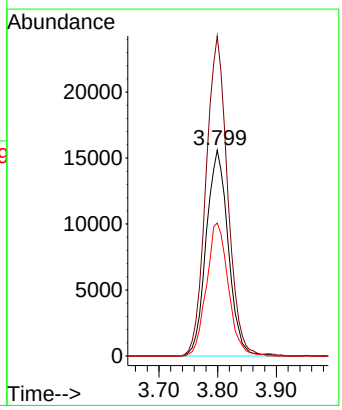


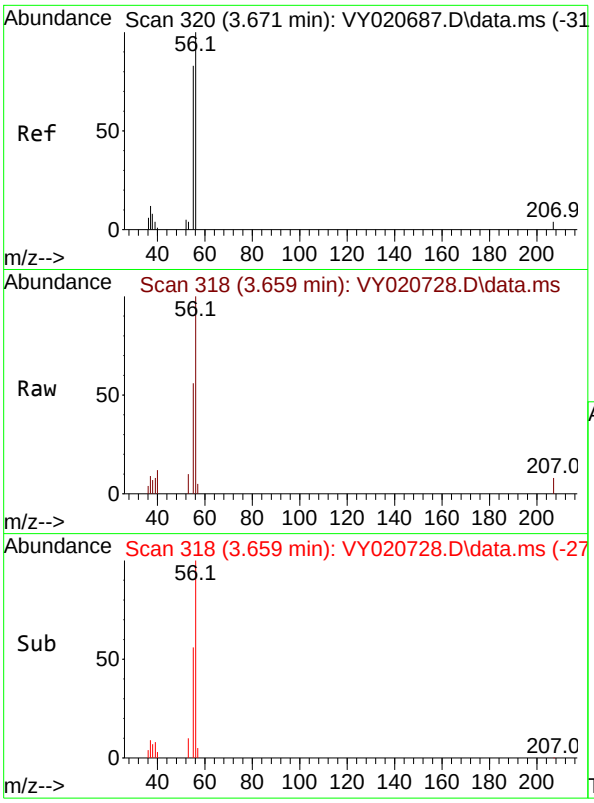


#12
1,1-Dichloroethene
Concen: 50.083 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 96 Resp: 40626

Ion	Ratio	Lower	Upper
96	100		
61	155.5	127.1	190.7
98	64.6	53.4	80.0



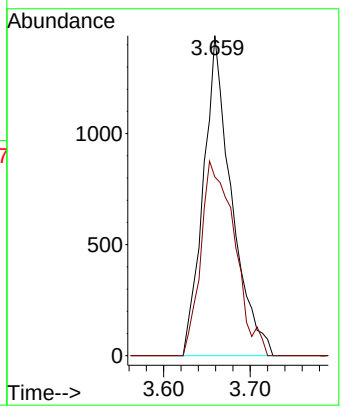


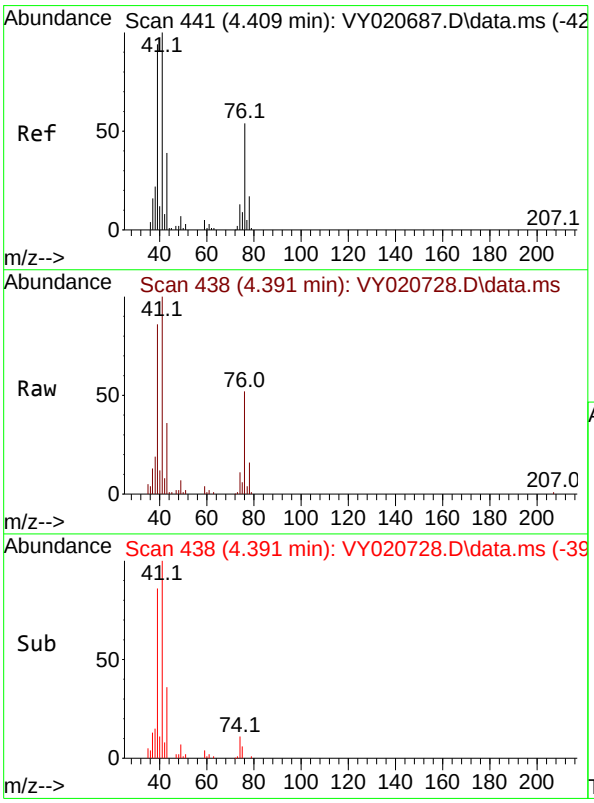
#13
Acrolein
Concen: 160.414 ug/l
RT: 3.659 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 3260

Ion	Ratio	Lower	Upper
56	100		
55	72.7	57.0	85.4

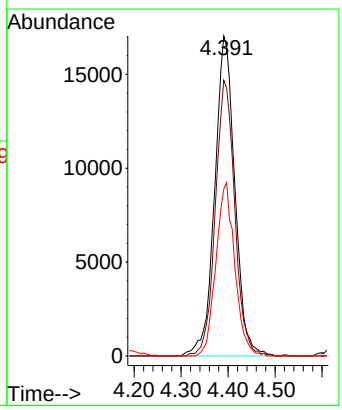


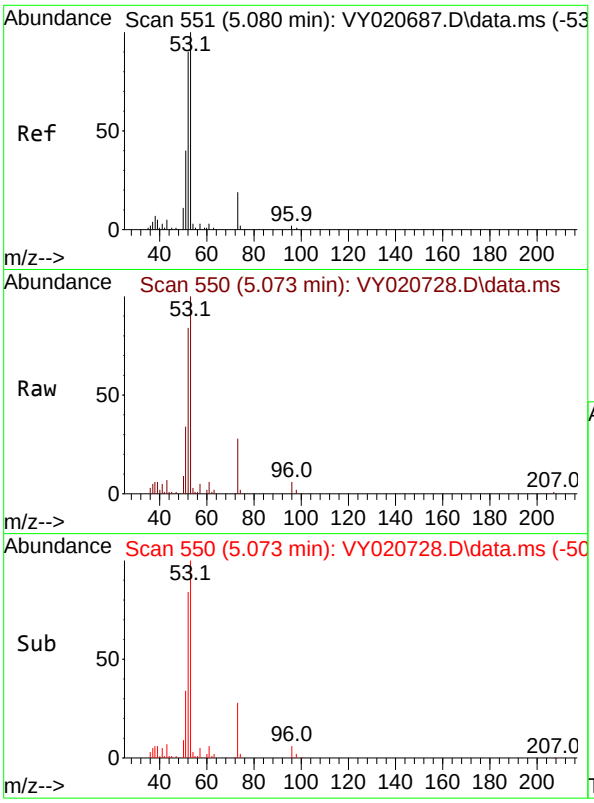


#14
Allyl chloride
Concen: 53.553 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.018 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 41 Resp: 50835

Ion	Ratio	Lower	Upper
41	100		
39	83.2	73.5	110.3
76	50.6	41.8	62.8



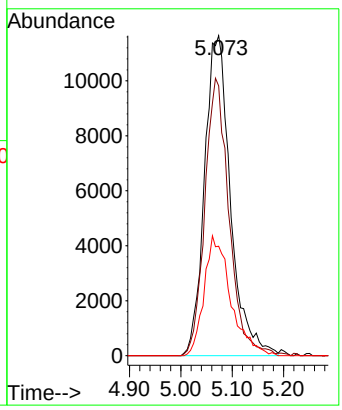


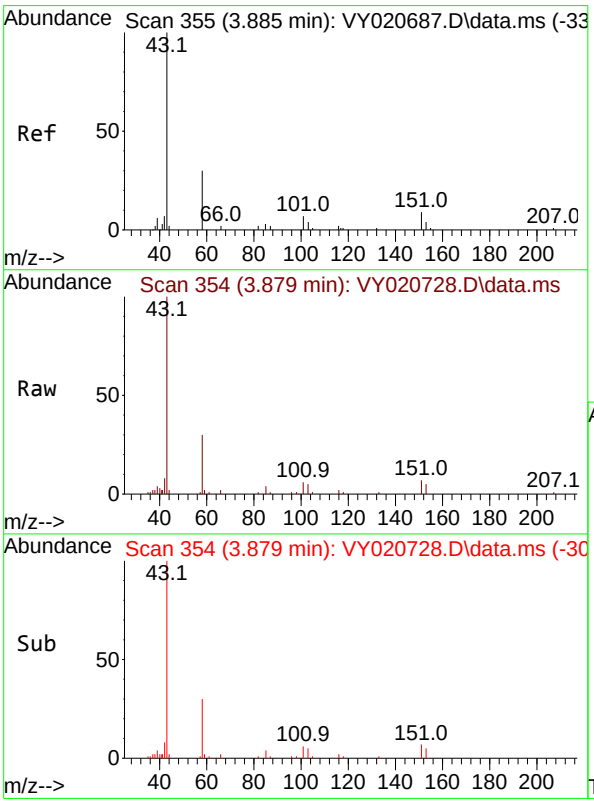
#15
Acrylonitrile
Concen: 267.470 ug/l
RT: 5.073 min Scan# 5
Delta R.T. -0.007 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 40816

Ion	Ratio	Lower	Upper
53	100		
52	81.0	67.1	100.7
51	38.4	31.4	47.0

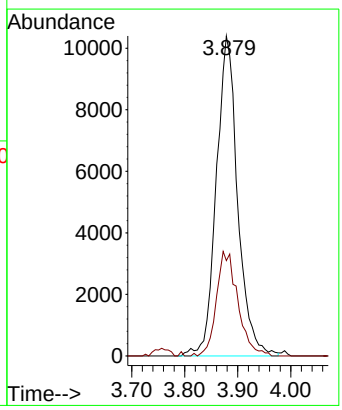


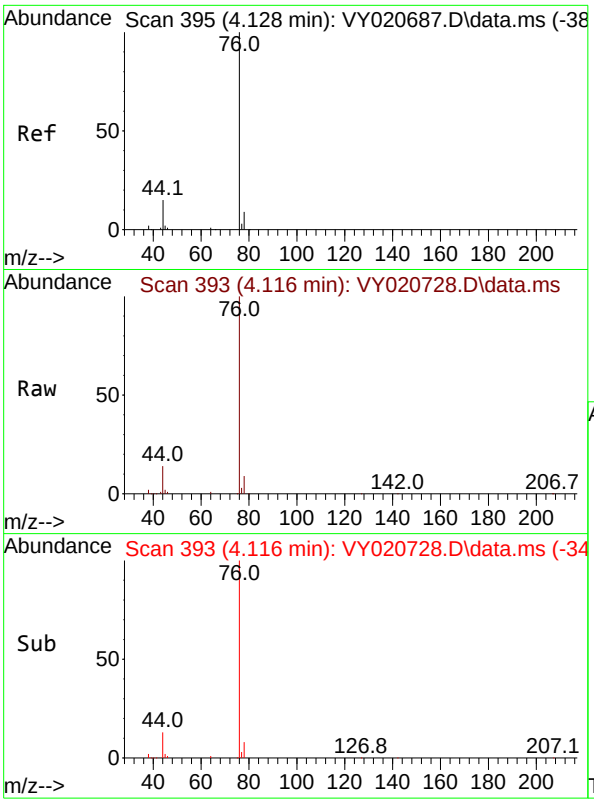


#16
Acetone
Concen: 236.085 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 43 Resp: 29116

Ion	Ratio	Lower	Upper
43	100		
58	29.8	25.0	37.6



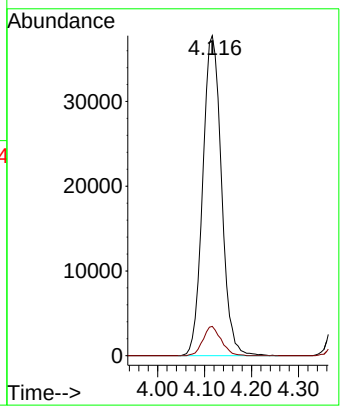


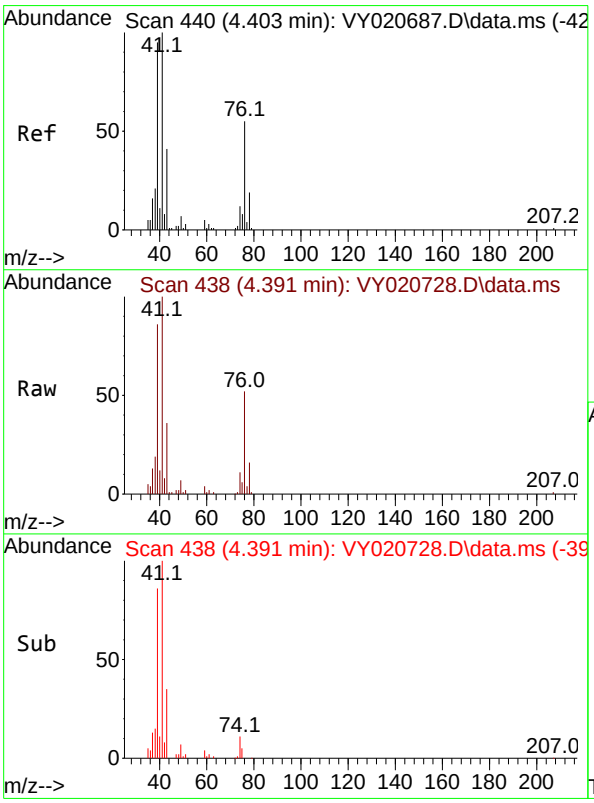
#17
Carbon Disulfide
Concen: 52.366 ug/l
RT: 4.116 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 104201

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.9	10.3

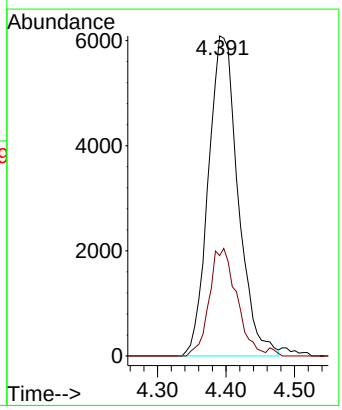


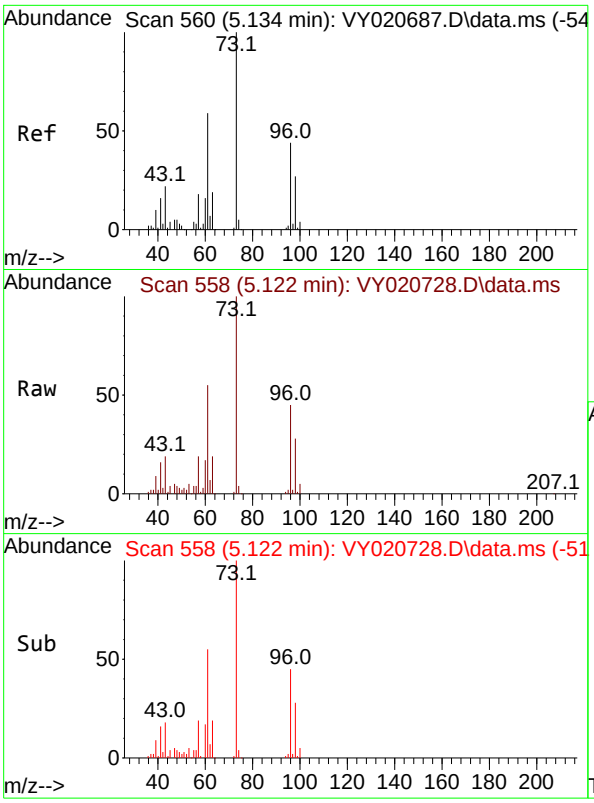


#18
Methyl Acetate
Concen: 54.975 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 43 Resp: 18350

Ion	Ratio	Lower	Upper
43	100		
74	31.0	25.3	37.9



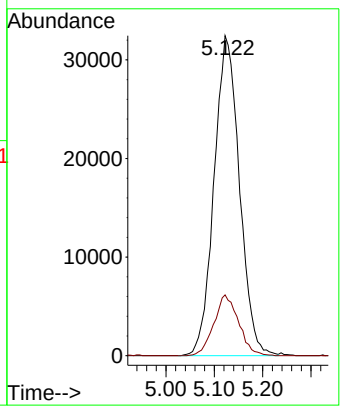


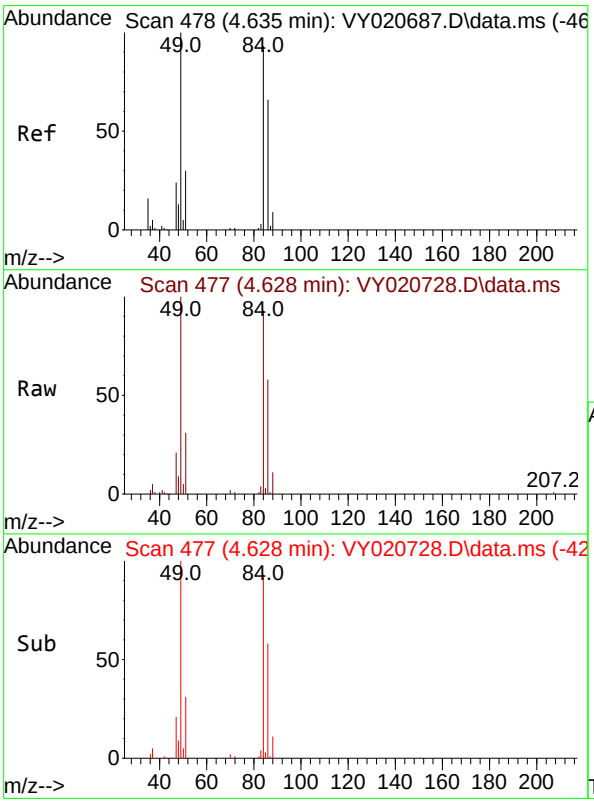
#19
Methyl tert-butyl Ether
Concen: 52.242 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 118115

Ion	Ratio	Lower	Upper
73	100		
57	19.0	14.4	21.6

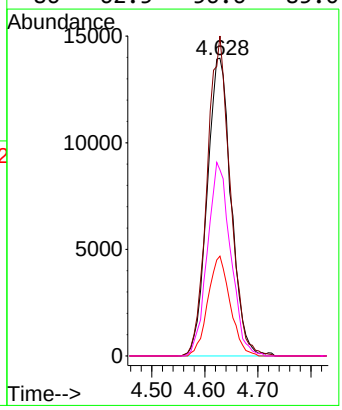


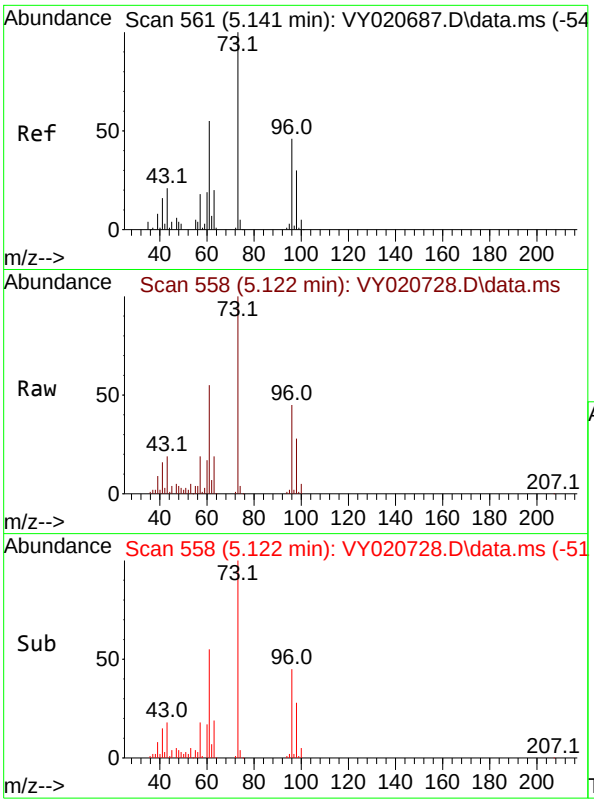


#20
Methylene Chloride
Concen: 54.496 ug/l
RT: 4.628 min Scan# 477
Delta R.T. -0.007 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 84 Resp: 43712

Ion	Ratio	Lower	Upper
84	100		
49	107.5	86.4	129.6
51	33.5	25.5	38.3
86	62.5	56.6	85.0



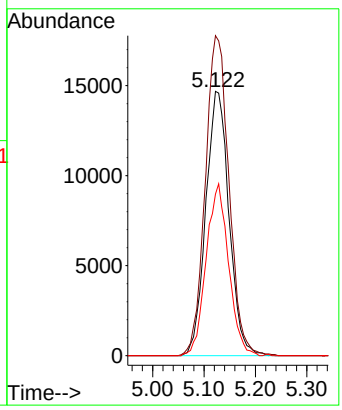


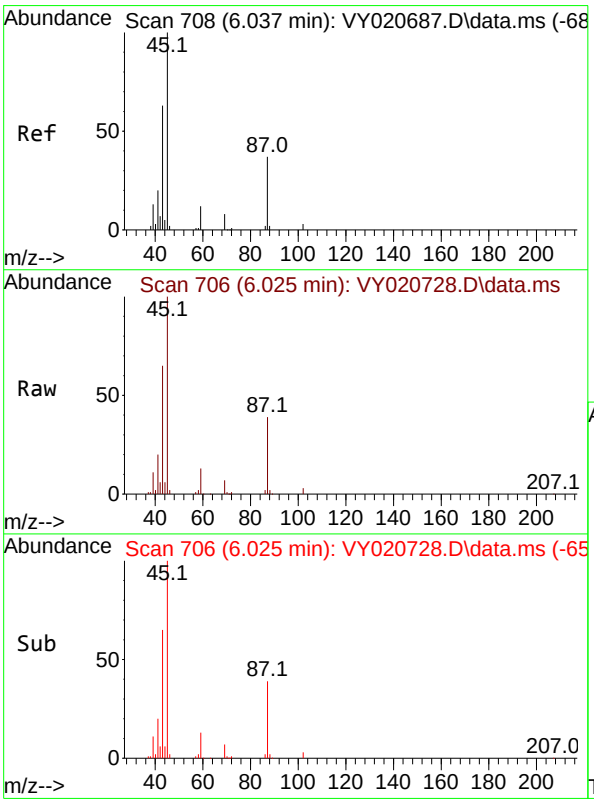
#21
trans-1,2-Dichloroethene
Concen: 52.798 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.019 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 46151

Ion	Ratio	Lower	Upper
96	100		
61	121.1	96.1	144.1
98	61.1	52.7	79.1

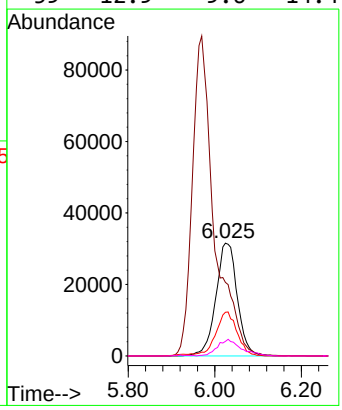


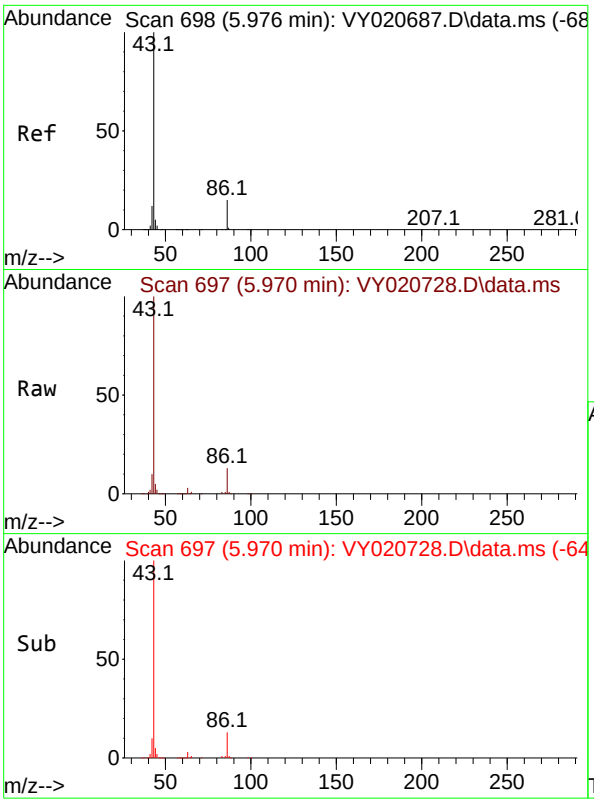


#22
Diisopropyl ether
Concen: 56.213 ug/l
RT: 6.025 min Scan# 706
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 45 Resp: 108472

Ion	Ratio	Lower	Upper
45	100		
43	64.9	51.3	76.9
87	38.7	30.6	46.0
59	12.9	9.6	14.4



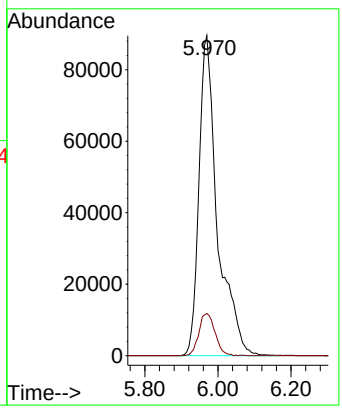


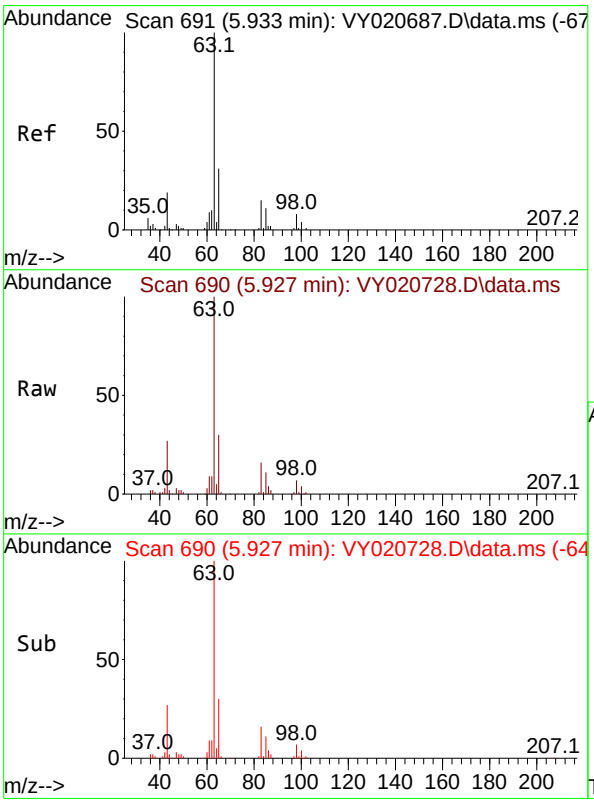
#23
Vinyl Acetate
Concen: 272.779 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 314401

Ion	Ratio	Lower	Upper
43	100		
86	13.2	12.0	18.0

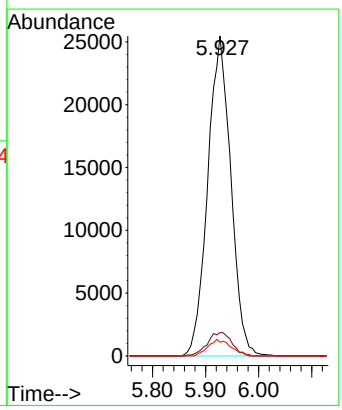


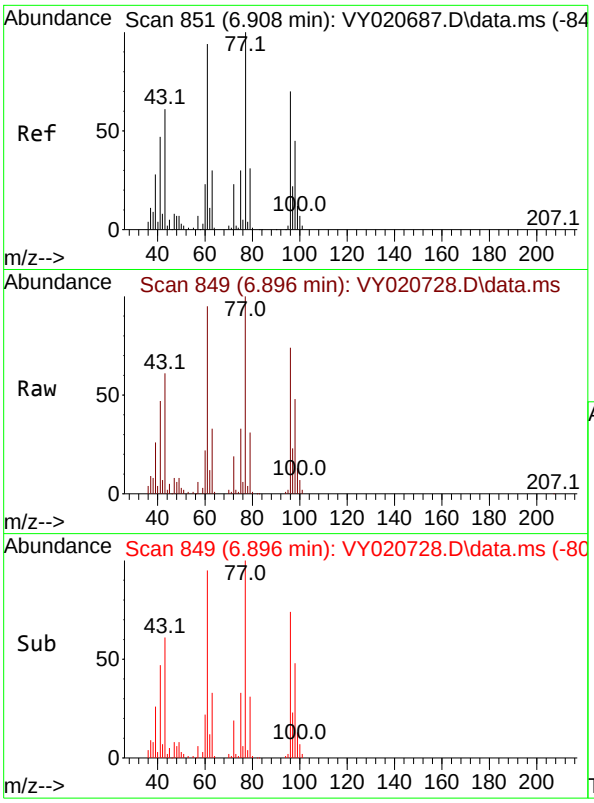


#24
1,1-Dichloroethane
Concen: 53.204 ug/l
RT: 5.927 min Scan# 690
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 63 Resp: 76973

Ion	Ratio	Lower	Upper
63	100		
98	7.3	4.0	12.0
100	4.3	2.1	6.2



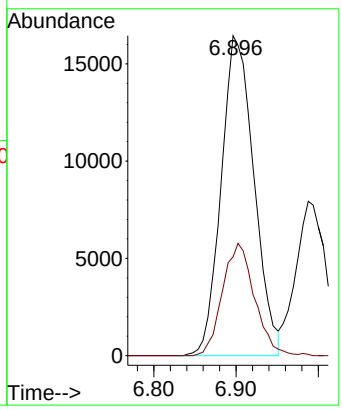


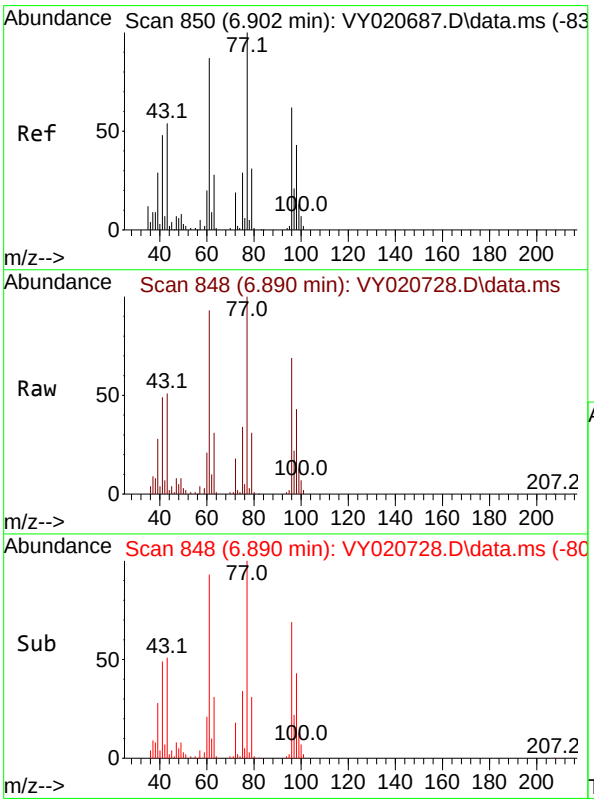
#25
2-Butanone
Concen: 274.081 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 45661

Ion	Ratio	Lower	Upper
43	100		
72	30.9	29.5	44.3

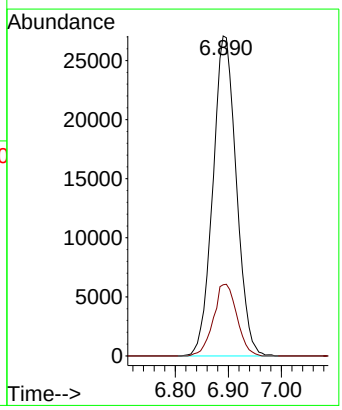


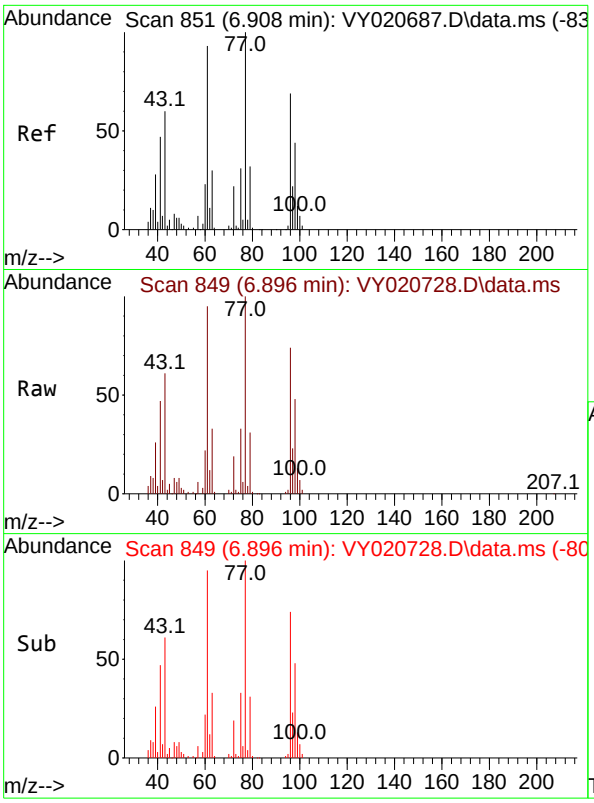


#26
2,2-Dichloropropane
Concen: 47.004 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 77 Resp: 83233

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.8	32.4



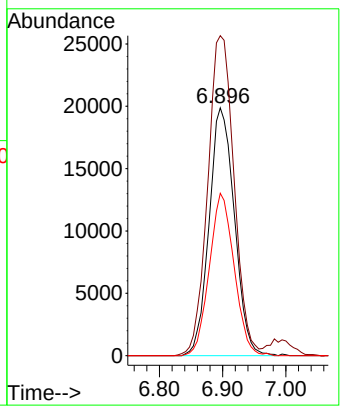


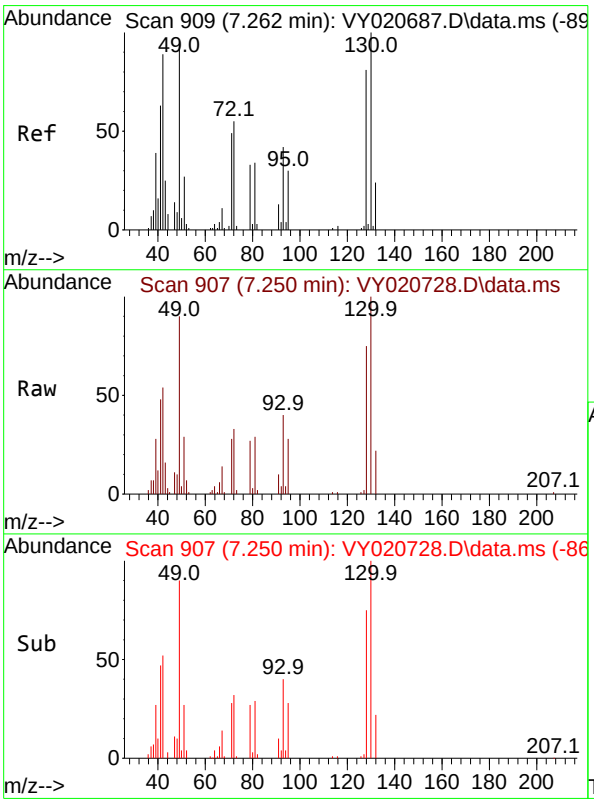
#27
cis-1,2-Dichloroethene
Concen: 52.764 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 55233

Ion	Ratio	Lower	Upper
96	100		
61	134.1	0.0	277.2
98	64.2	0.0	131.0

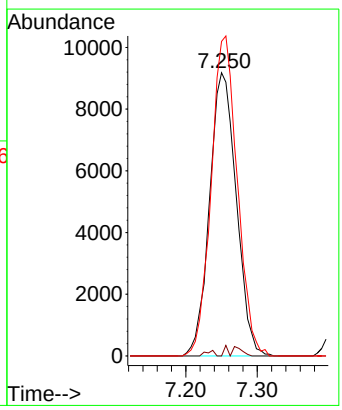


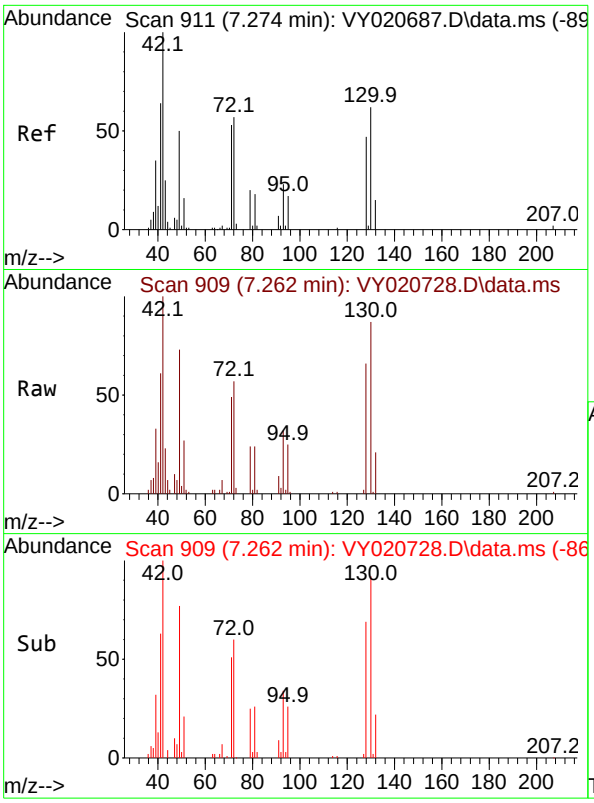


#28
Bromochloromethane
Concen: 62.291 ug/l
RT: 7.250 min Scan# 907
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 49 Resp: 23832

Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	5.4
130	110.7	87.2	130.8



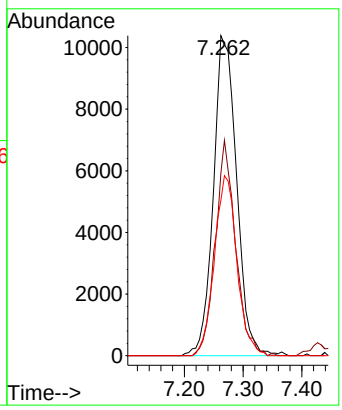


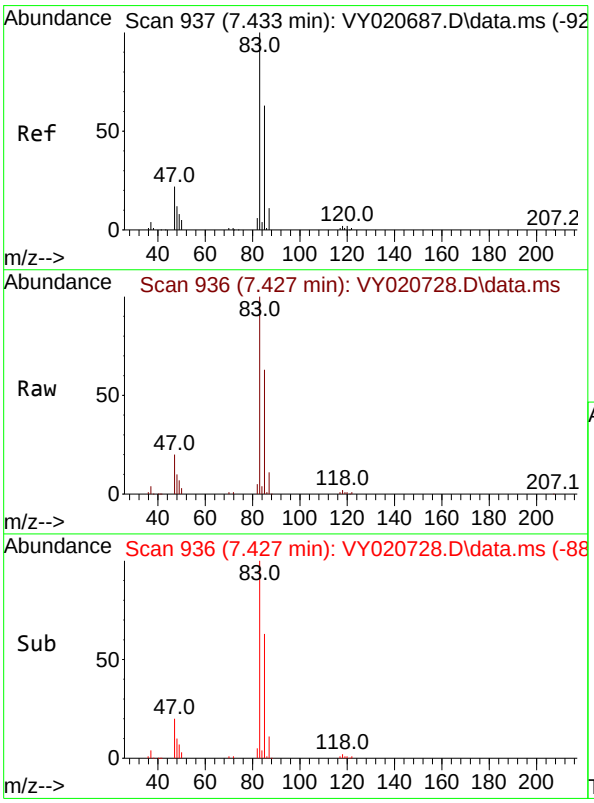
#29
Tetrahydrofuran
Concen: 278.632 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 28493

Ion	Ratio	Lower	Upper
42	100		
72	59.0	47.4	71.0
71	54.7	42.8	64.2

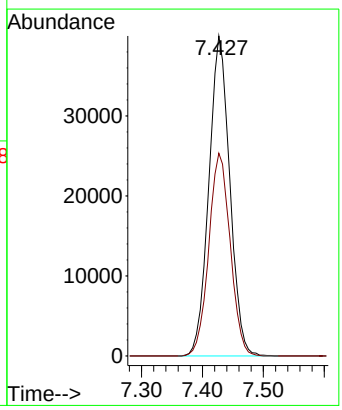


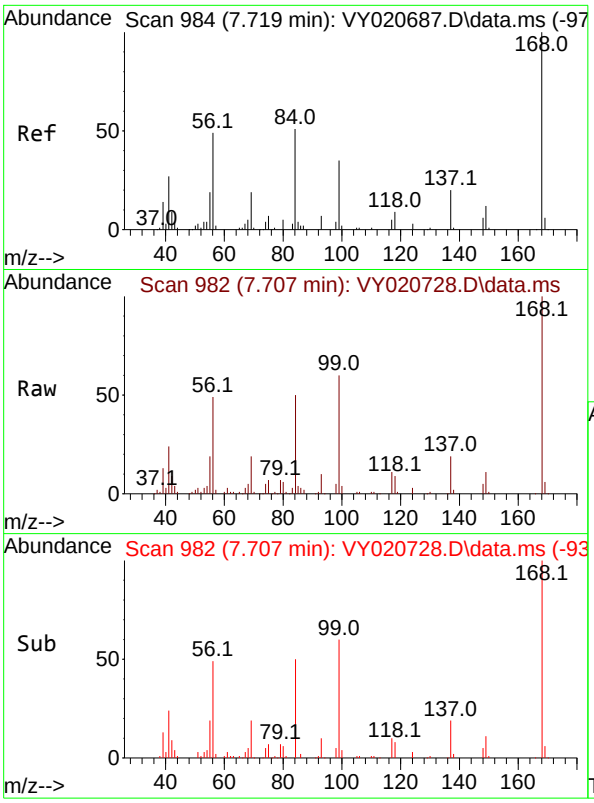


#30
Chloroform
Concen: 51.215 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 83 Resp: 95317

Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.2	75.2



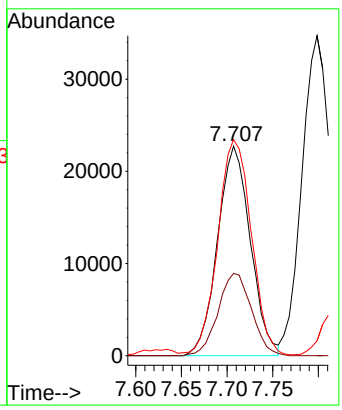


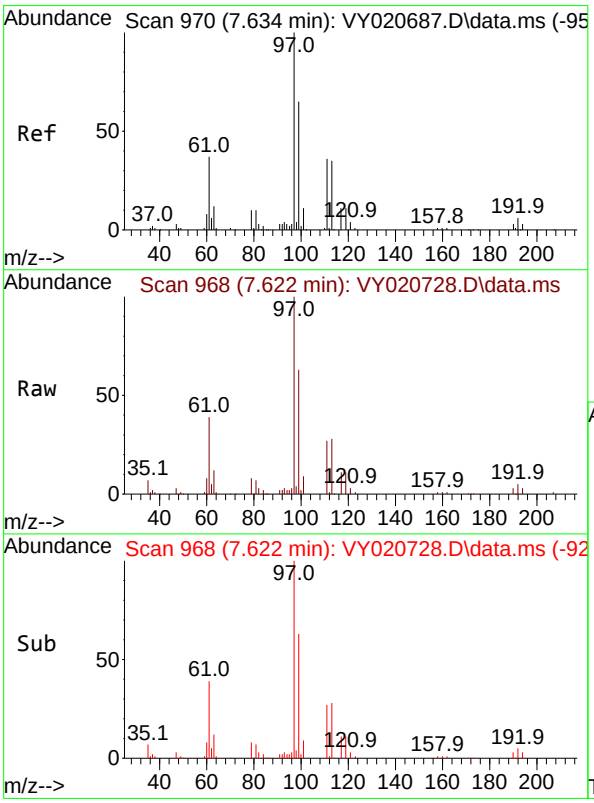
#31
Cyclohexane
Concen: 45.467 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 56780

Ion	Ratio	Lower	Upper
56	100		
69	39.2	31.3	46.9
84	101.8	83.9	125.9

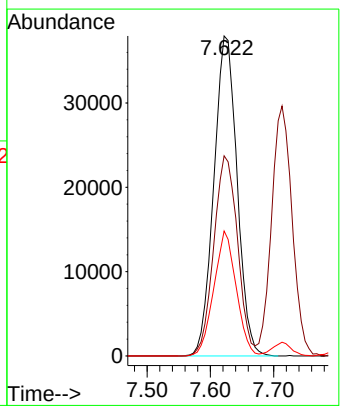


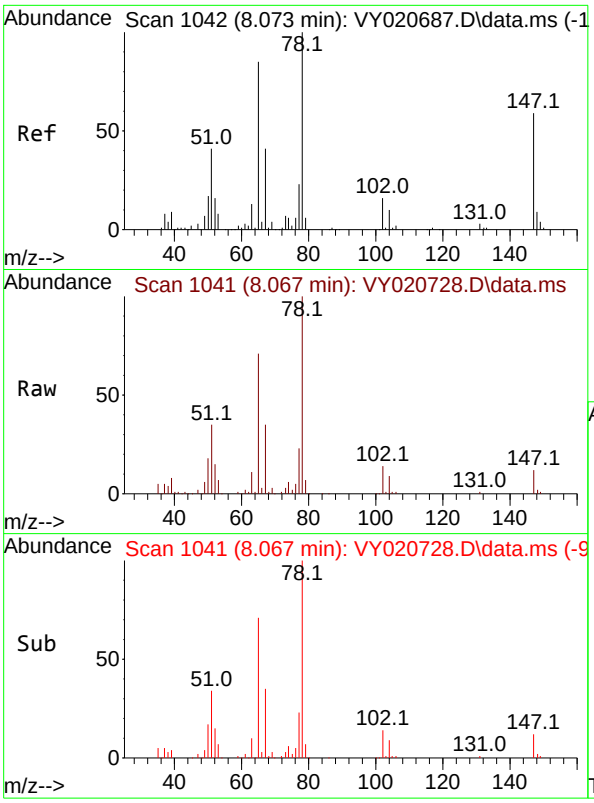


#32
1,1,1-Trichloroethane
Concen: 48.508 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 97 Resp: 96771

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.6
61	37.6	30.0	45.0



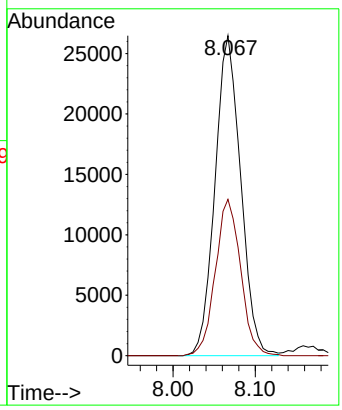


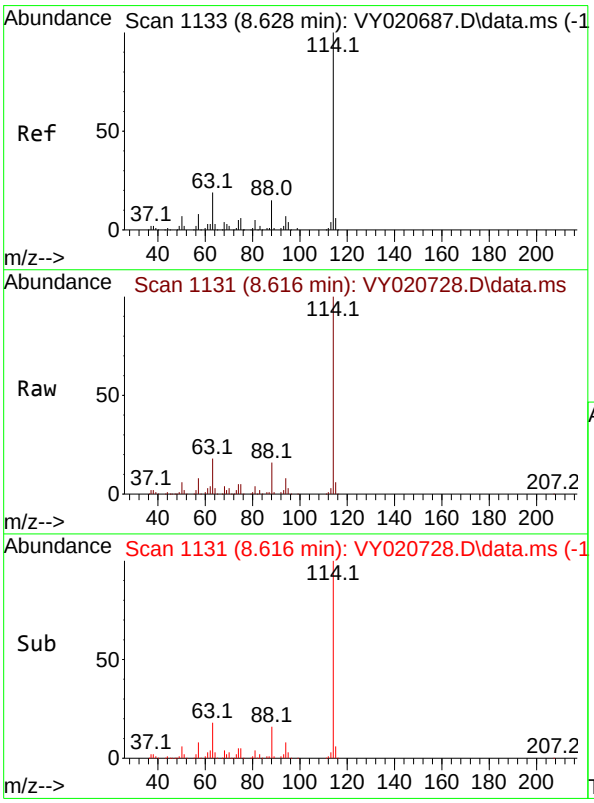
#33
1,2-Dichloroethane-d4
Concen: 59.186 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 57538

Ion	Ratio	Lower	Upper
65	100		
67	48.0	0.0	98.0

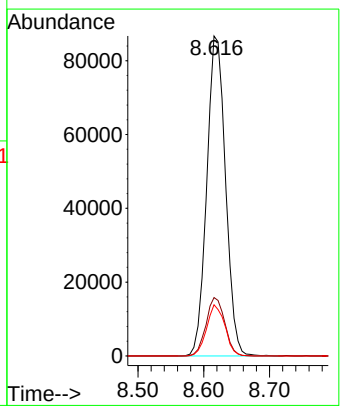


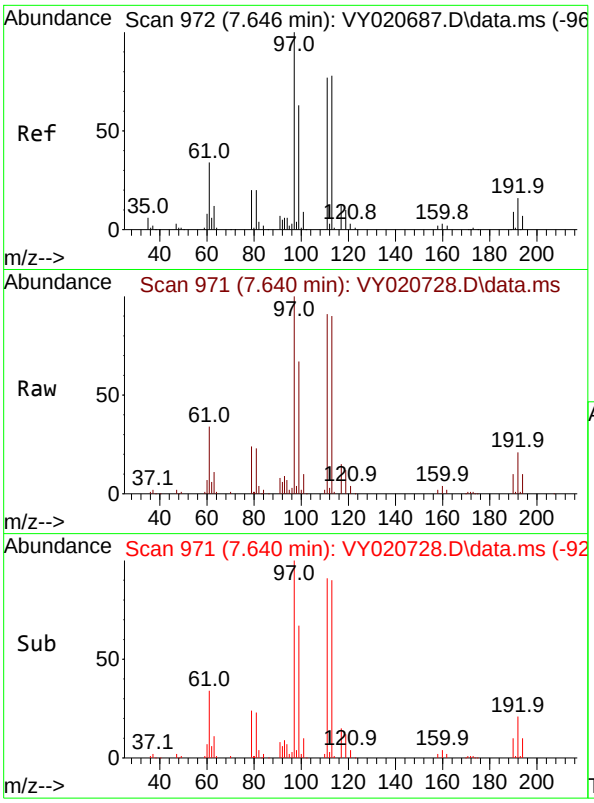


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:114 Resp: 172132

Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	38.4
88	16.0	0.0	30.4



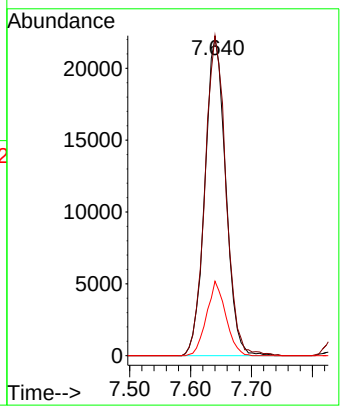


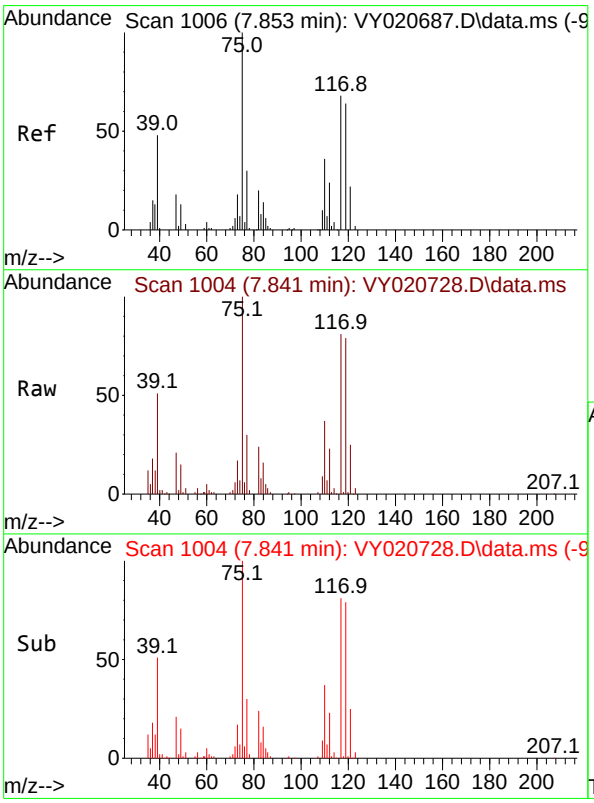
#35
Dibromofluoromethane
Concen: 55.390 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 52517

Ion	Ratio	Lower	Upper
113	100		
111	101.6	79.8	119.8
192	21.6	17.0	25.6

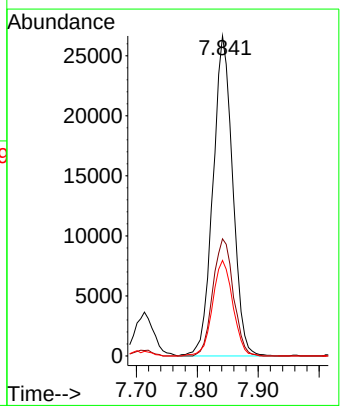


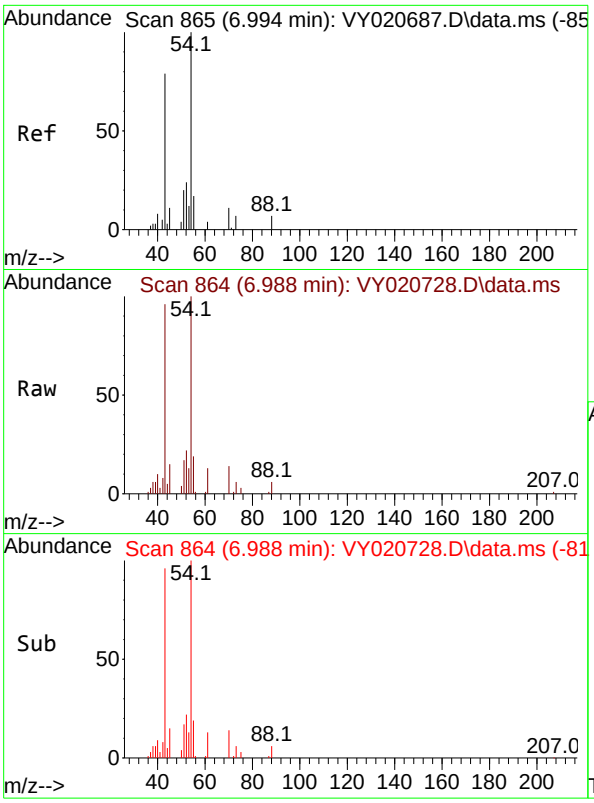


#36
1,1-Dichloropropene
Concen: 47.847 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 75 Resp: 59925

Ion	Ratio	Lower	Upper
75	100		
110	38.0	19.6	58.7
77	30.7	25.1	37.7



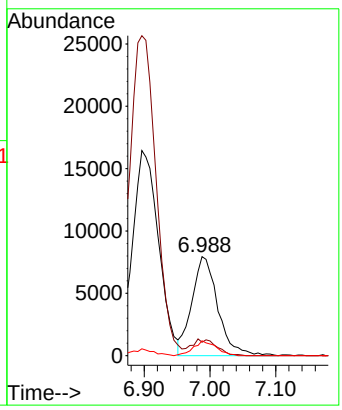


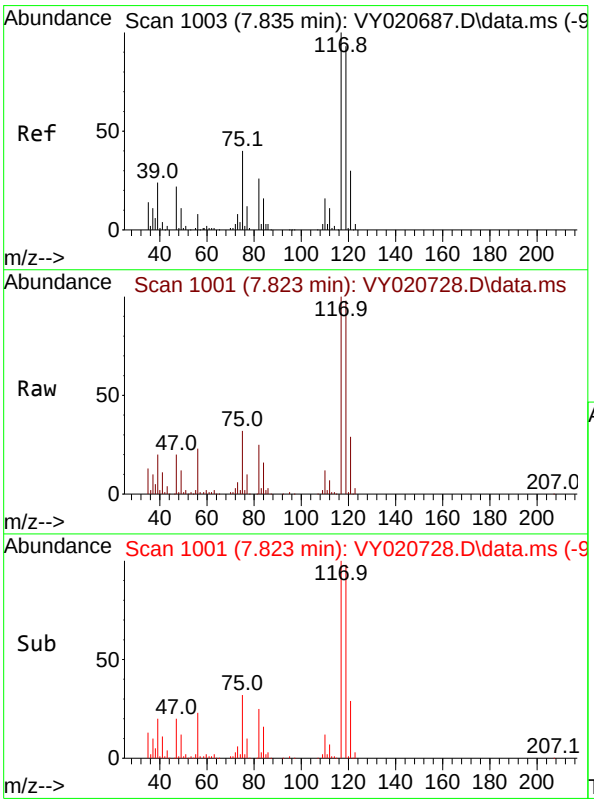
#37
Ethyl Acetate
Concen: 52.779 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 21782

Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.7	17.5
70	13.1	11.0	16.4

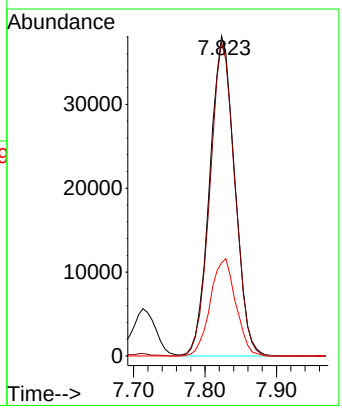


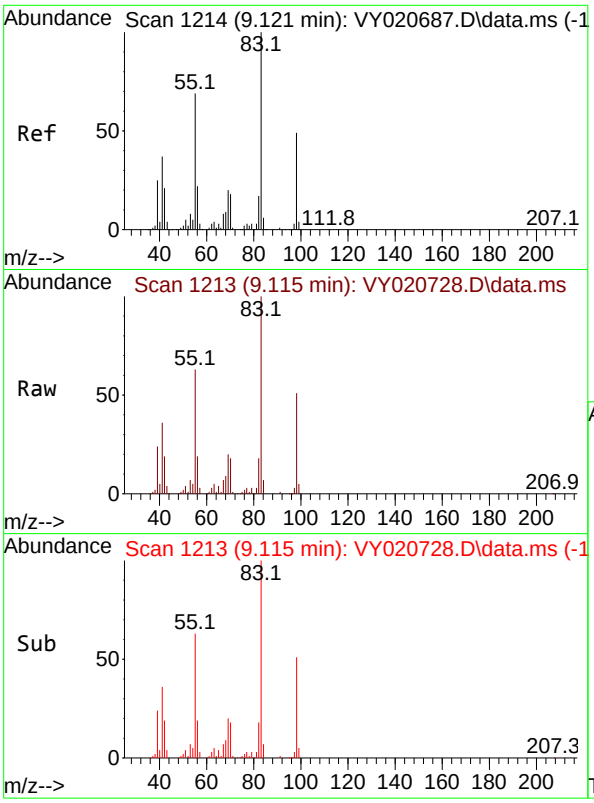


#38
Carbon Tetrachloride
Concen: 44.945 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:117 Resp: 92693

Ion	Ratio	Lower	Upper
117	100		
119	98.1	74.4	111.6
121	29.1	24.2	36.2



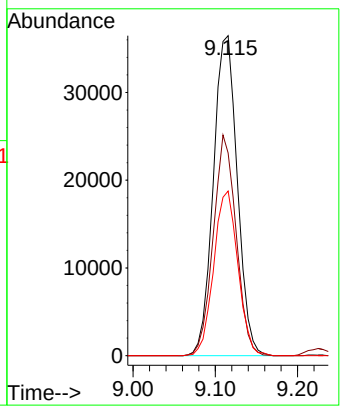


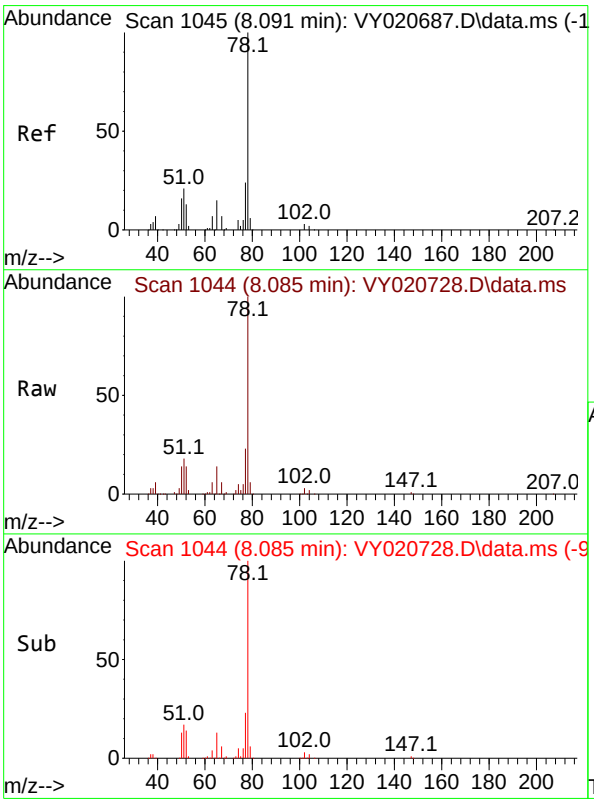
#39
Methylcyclohexane
Concen: 46.082 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 73974

Ion	Ratio	Lower	Upper
83	100		
55	63.3	55.0	82.4
98	51.4	39.0	58.6

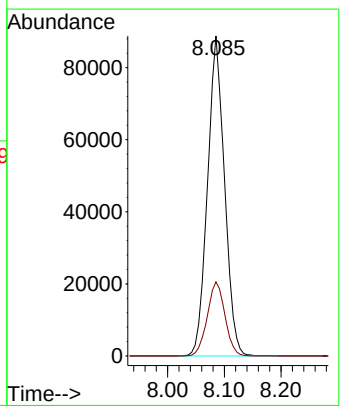


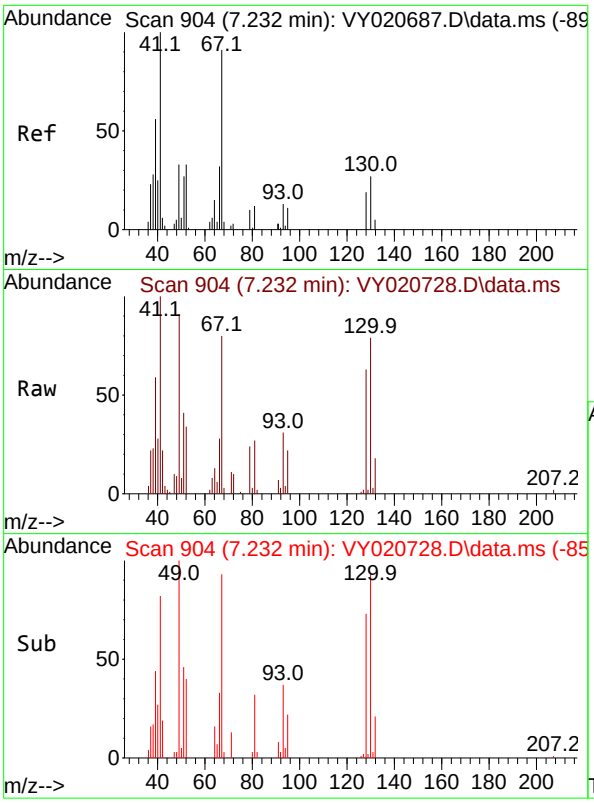


#40
Benzene
Concen: 50.952 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 78 Resp: 184941

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.2	28.8



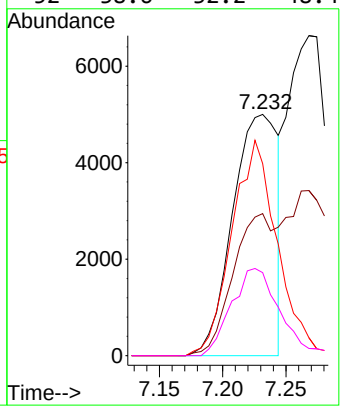


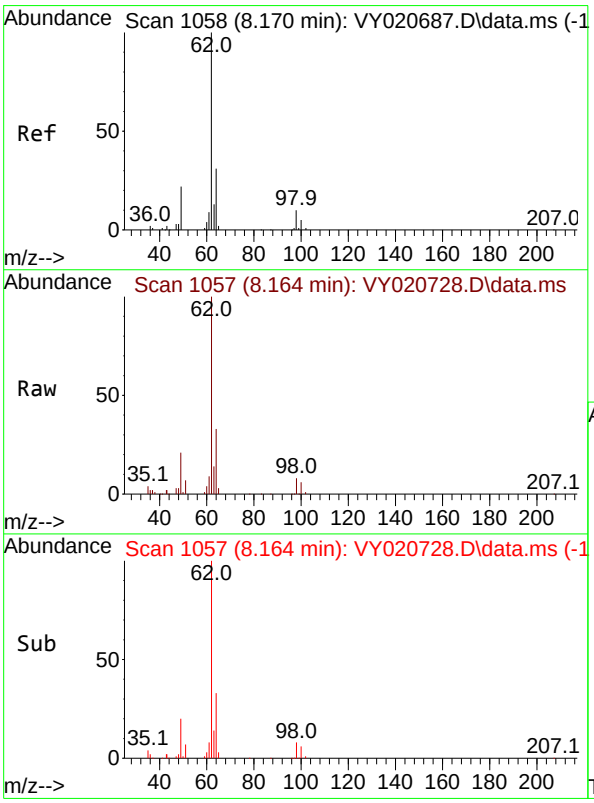
#41
Methacrylonitrile
Concen: 59.754 ug/l
RT: 7.232 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 12457

Ion	Ratio	Lower	Upper
41	100		
39	49.4	46.6	70.0
67	90.0	74.7	112.1
52	38.6	32.2	48.4

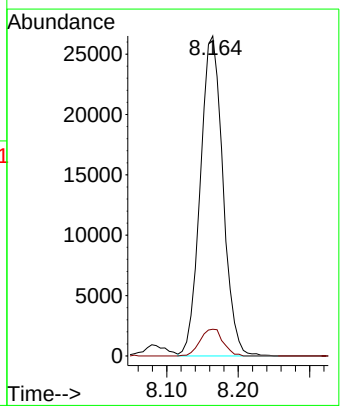


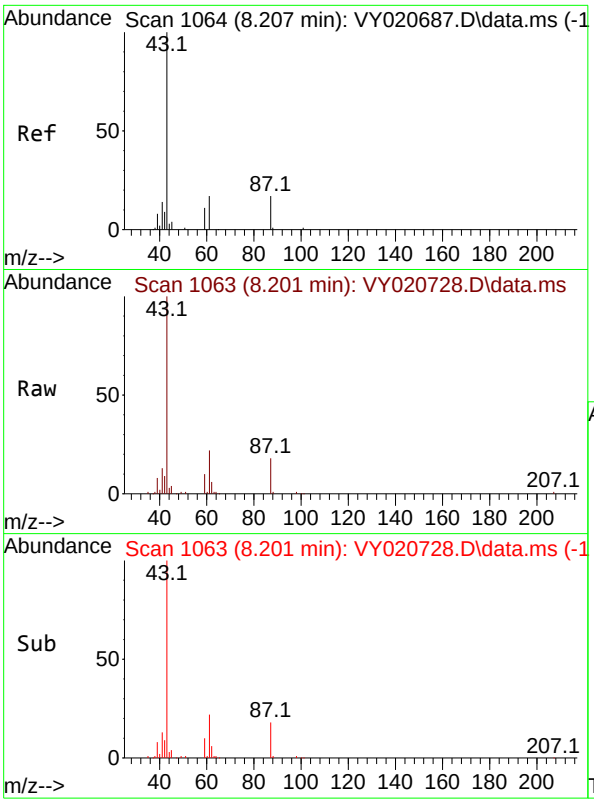


#42
1,2-Dichloroethane
Concen: 49.961 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 62 Resp: 58148

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.6



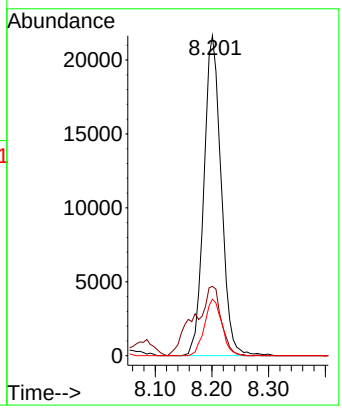


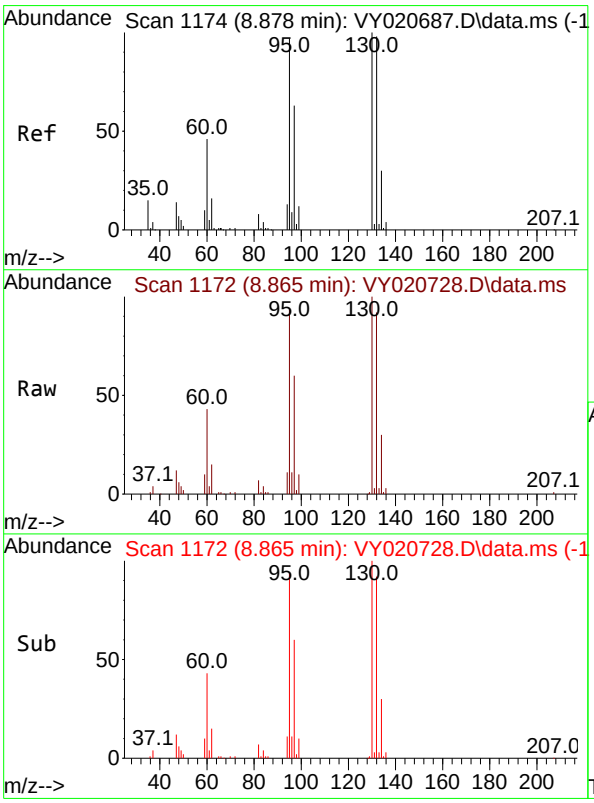
#43
Isopropyl Acetate
Concen: 52.327 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 45902

Ion	Ratio	Lower	Upper
43	100		
61	33.6	27.0	40.4
87	17.8	14.2	21.4

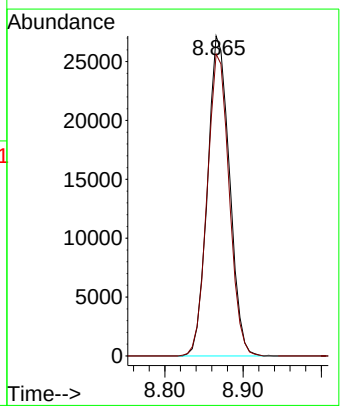


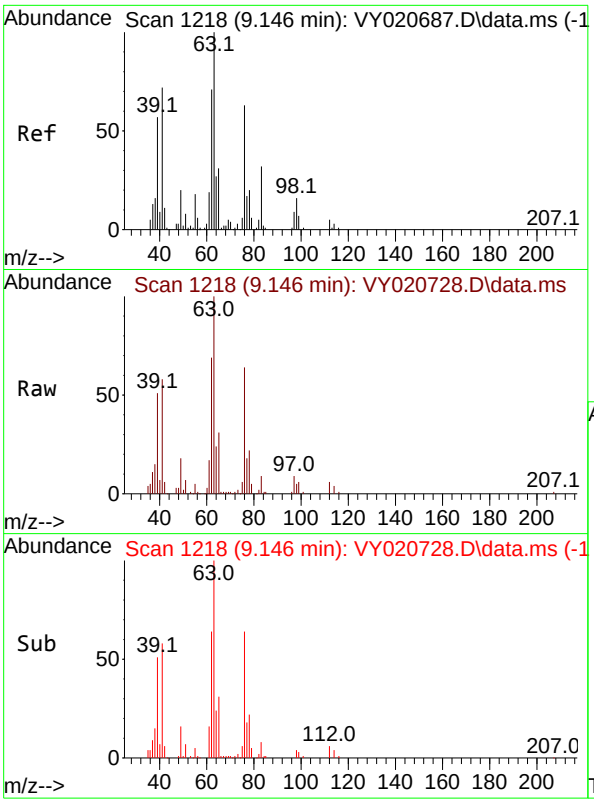


#44
Trichloroethene
Concen: 48.797 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.013 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:130 Resp: 52902

Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	194.8



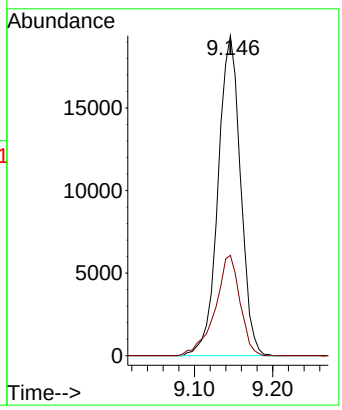


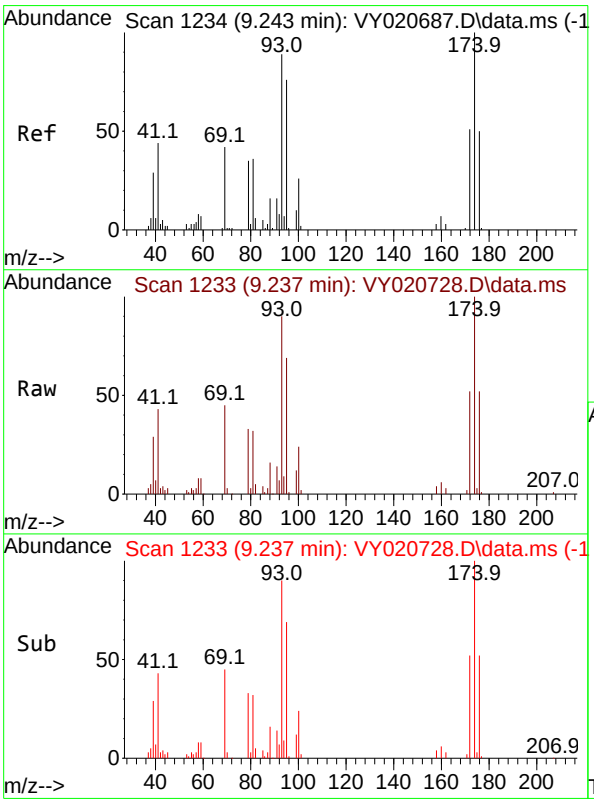
#45
1,2-Dichloropropane
Concen: 52.575 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 38629

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.6	36.8

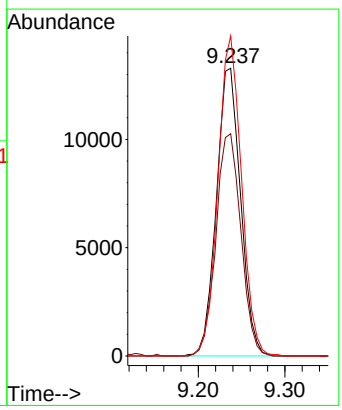


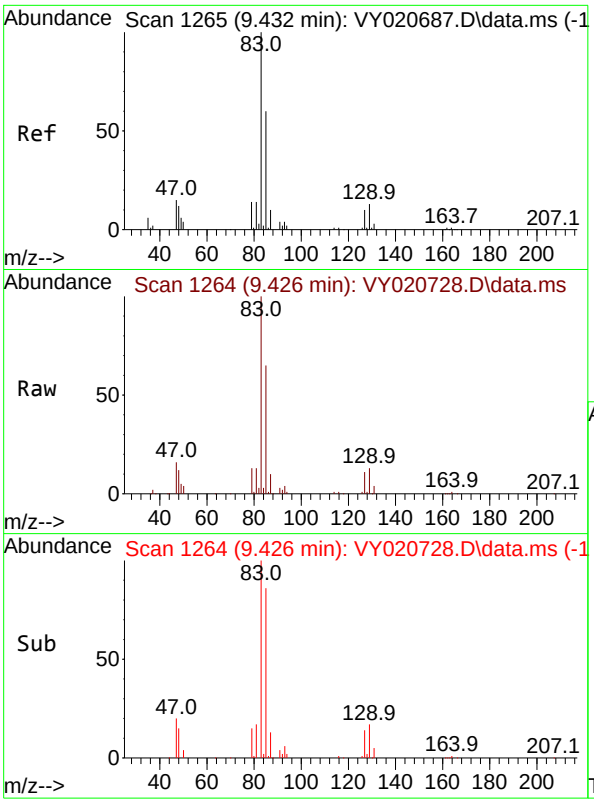


#46
Dibromomethane
Concen: 50.665 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 93 Resp: 25757

Ion	Ratio	Lower	Upper
93	100		
95	79.7	67.8	101.8
174	108.0	89.4	134.0



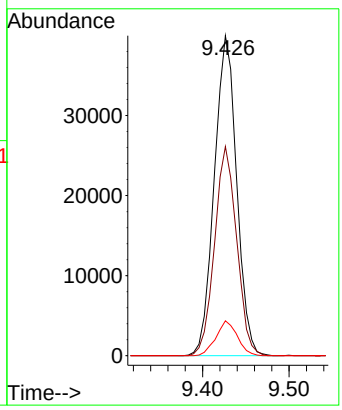


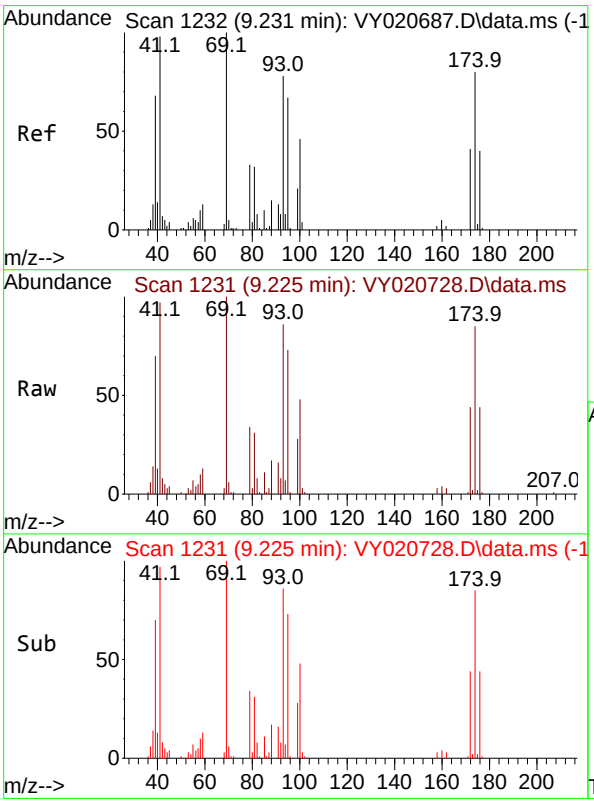
#47
Bromodichloromethane
Concen: 49.700 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 71632

Ion	Ratio	Lower	Upper
83	100		
85	65.3	47.6	71.4
127	10.9	7.9	11.9

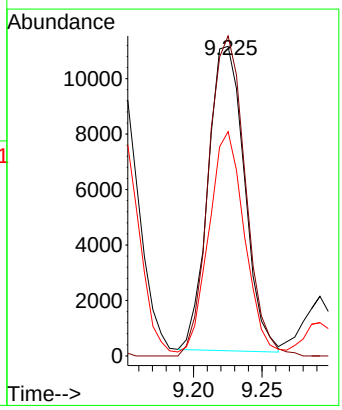


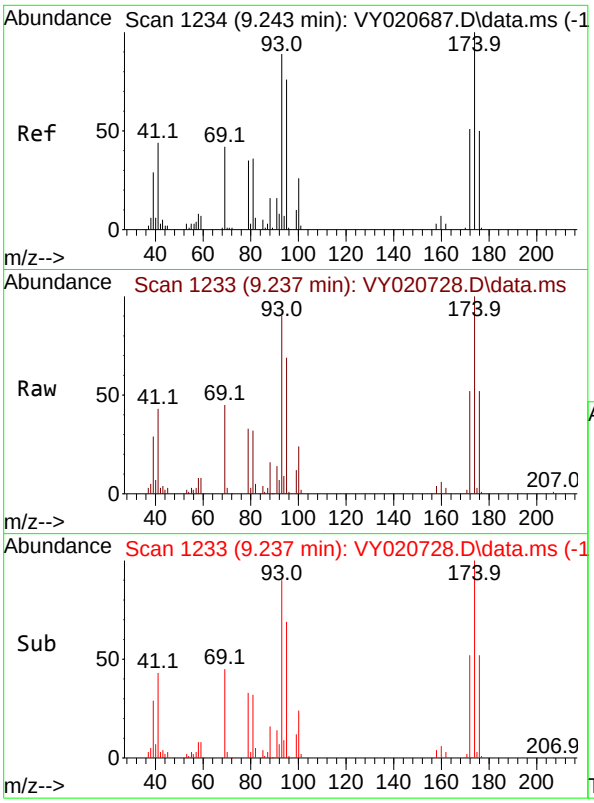


#48
Methyl methacrylate
Concen: 49.466 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 41 Resp: 20264

Ion	Ratio	Lower	Upper
41	100		
69	105.8	83.1	124.7
39	70.4	57.3	85.9



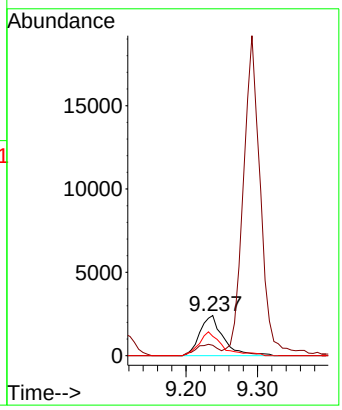


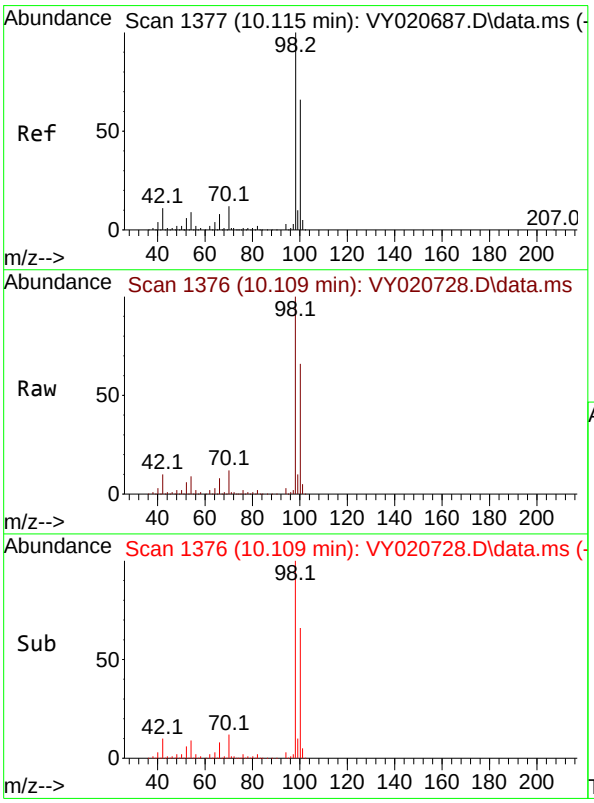
#49
1,4-Dioxane
Concen: 1130.206 ug/l
RT: 9.237 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 5473

Ion	Ratio	Lower	Upper
88	100		
43	26.4	22.1	33.1
58	58.8	46.7	70.1

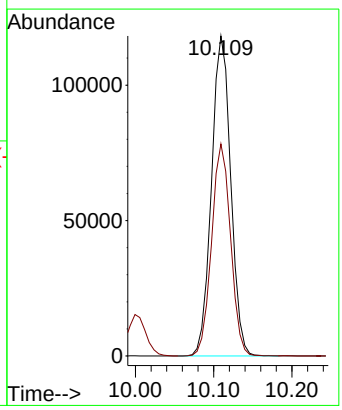


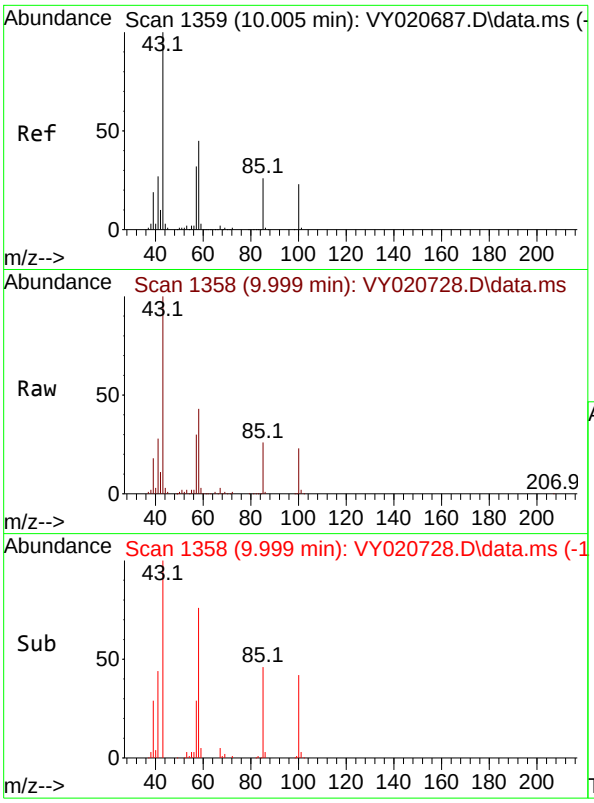


#50
Toluene-d8
Concen: 53.305 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 98 Resp: 201423

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.4



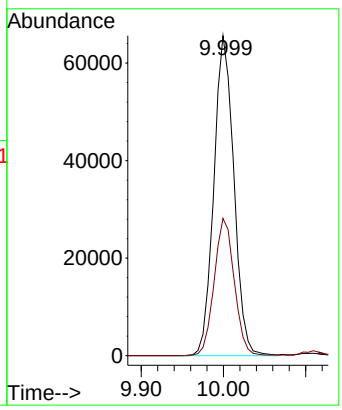


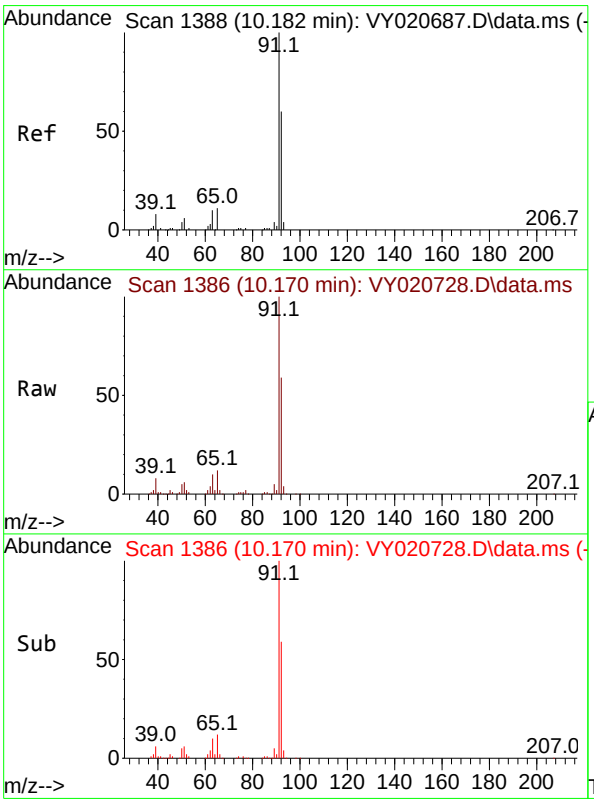
#51
4-Methyl-2-Pentanone
Concen: 262.443 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 111120

Ion	Ratio	Lower	Upper
43	100		
58	43.2	35.1	52.7

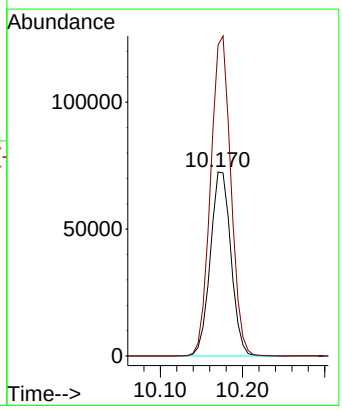


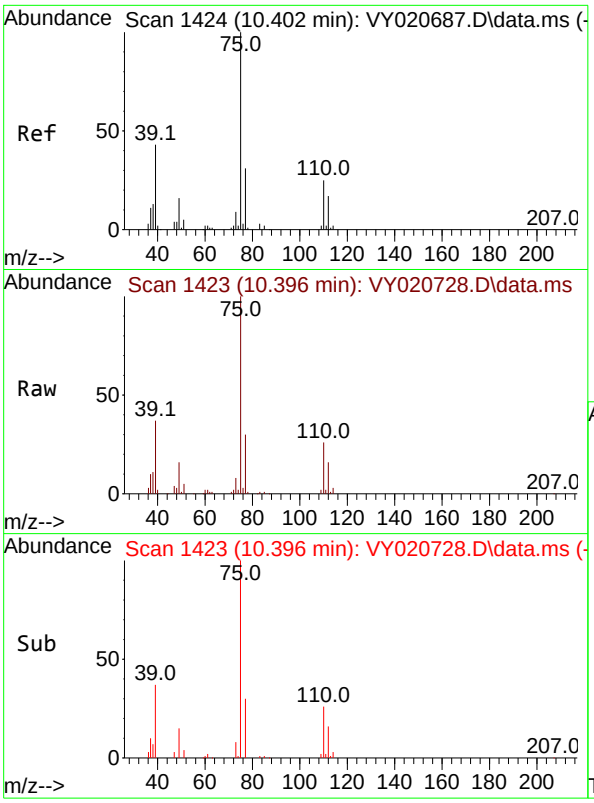


#52
Toluene
Concen: 50.676 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.012 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 92 Resp: 126070

Ion	Ratio	Lower	Upper
92	100		
91	171.5	137.7	206.5



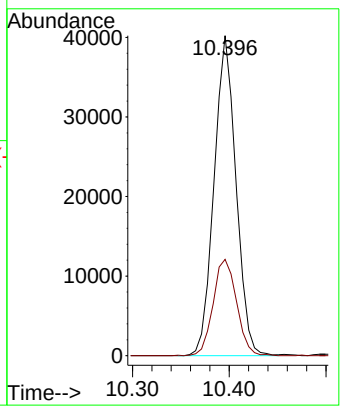


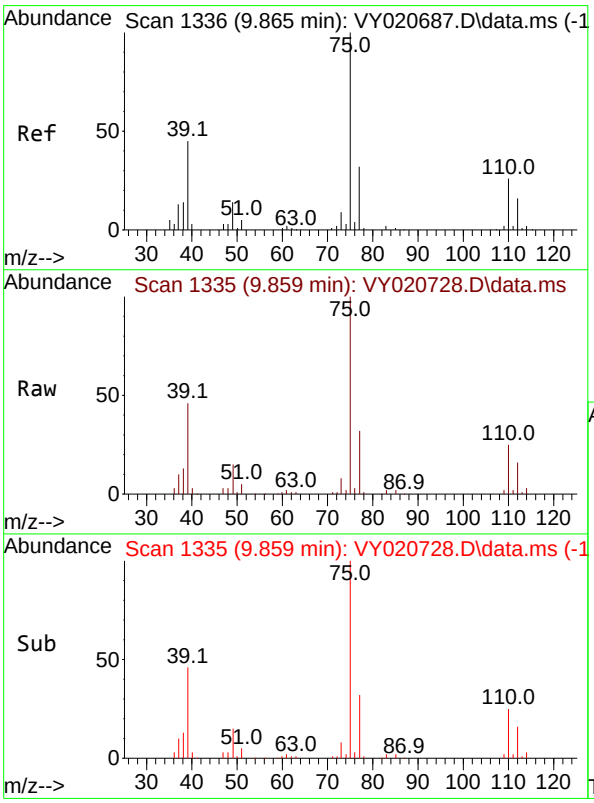
#53
t-1,3-Dichloropropene
Concen: 49.943 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 63222

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.1	37.7

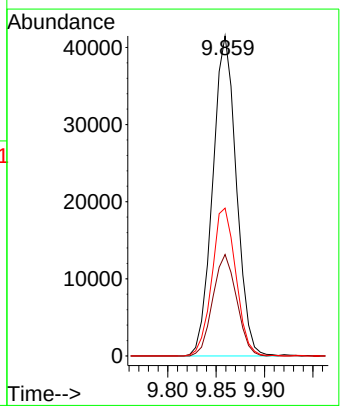


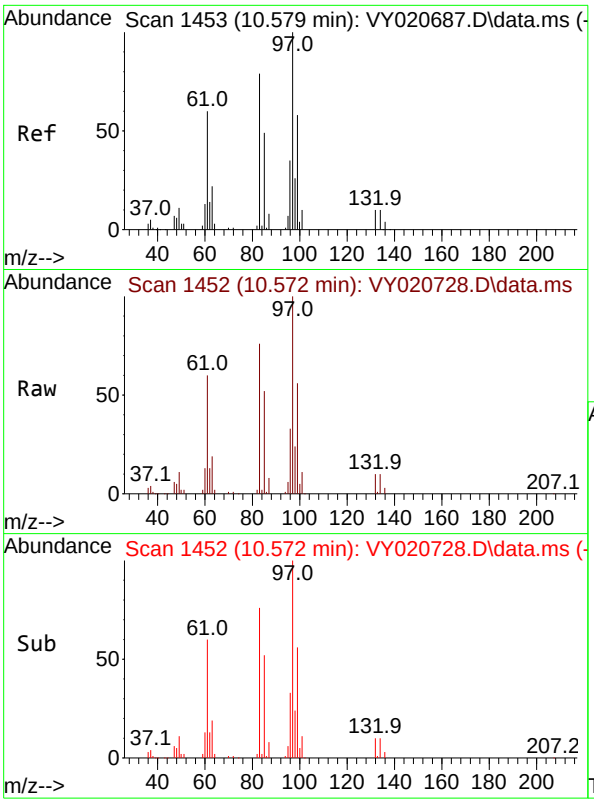


#54
cis-1,3-Dichloropropene
Concen: 50.773 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 75 Resp: 70450

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.6	38.4
39	46.2	36.2	54.2



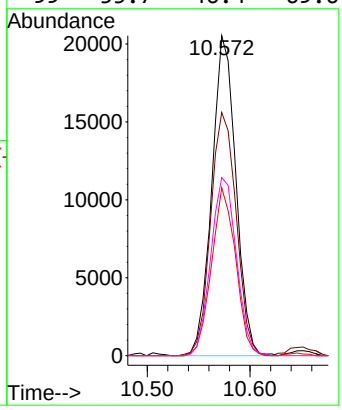


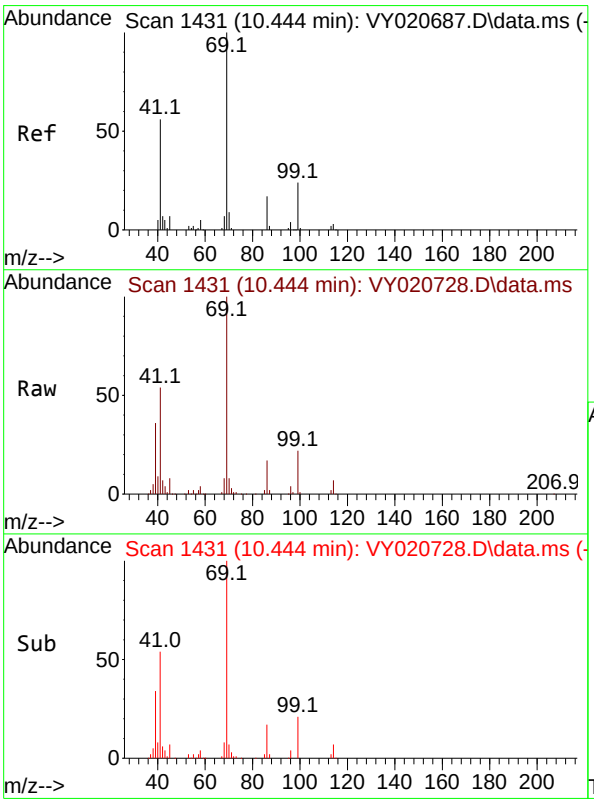
#55
1,1,2-Trichloroethane
Concen: 51.326 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.007 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 33307

Ion	Ratio	Lower	Upper
97	100		
83	76.0	63.1	94.7
85	52.5	39.5	59.3
99	55.7	46.4	69.6

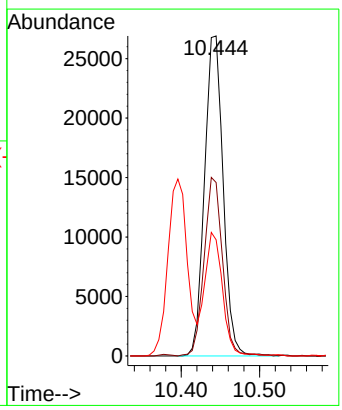


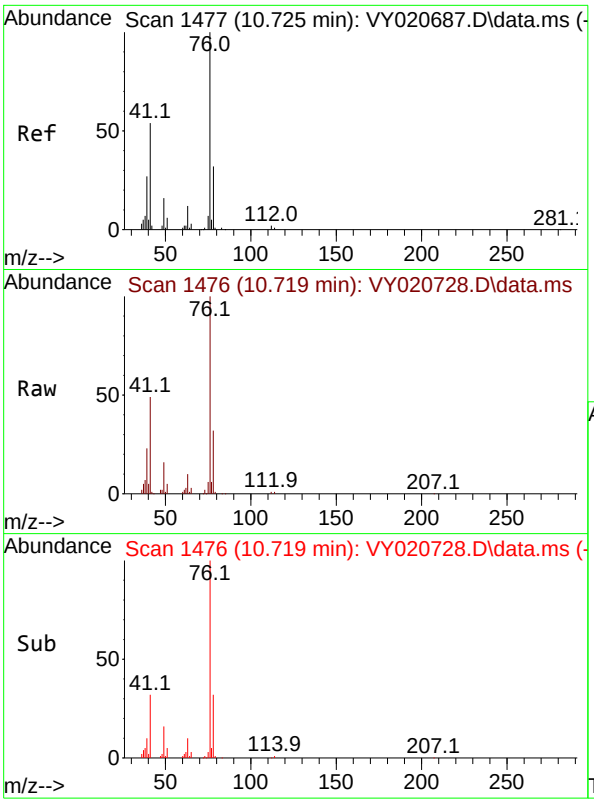


#56
Ethyl methacrylate
Concen: 51.971 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 69 Resp: 44306

Ion	Ratio	Lower	Upper
69	100		
41	55.3	43.8	65.6
39	36.4	32.0	48.0



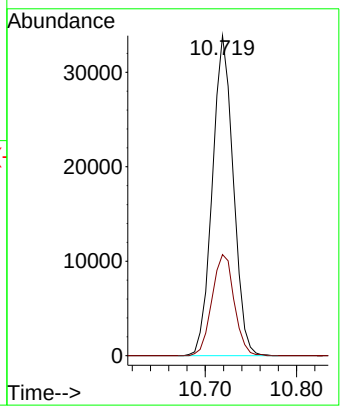


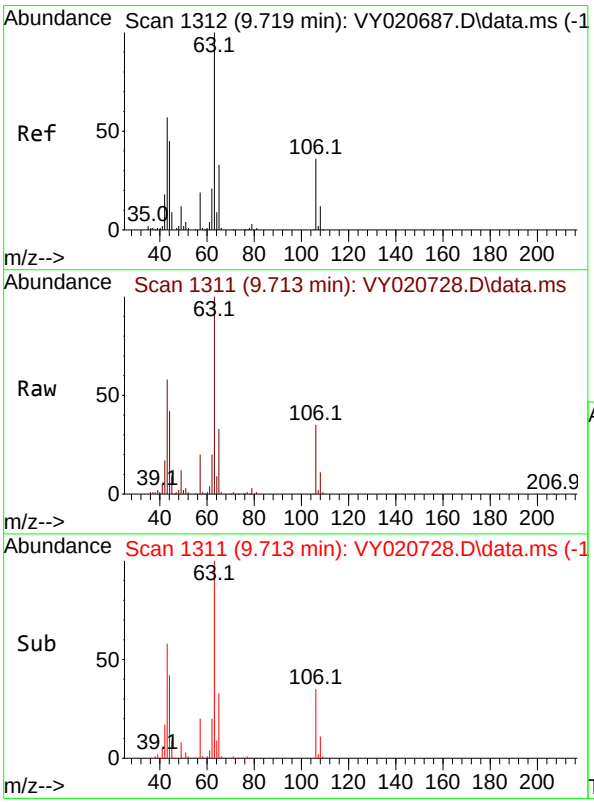
#57
1,3-Dichloropropane
Concen: 51.138 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 53860

Ion	Ratio	Lower	Upper
76	100		
78	33.5	25.0	37.6

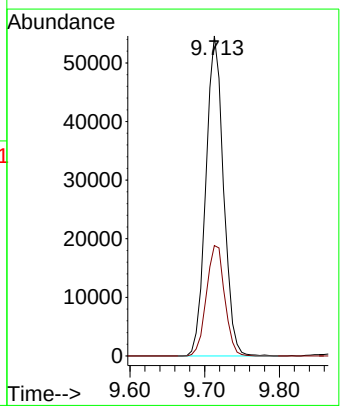


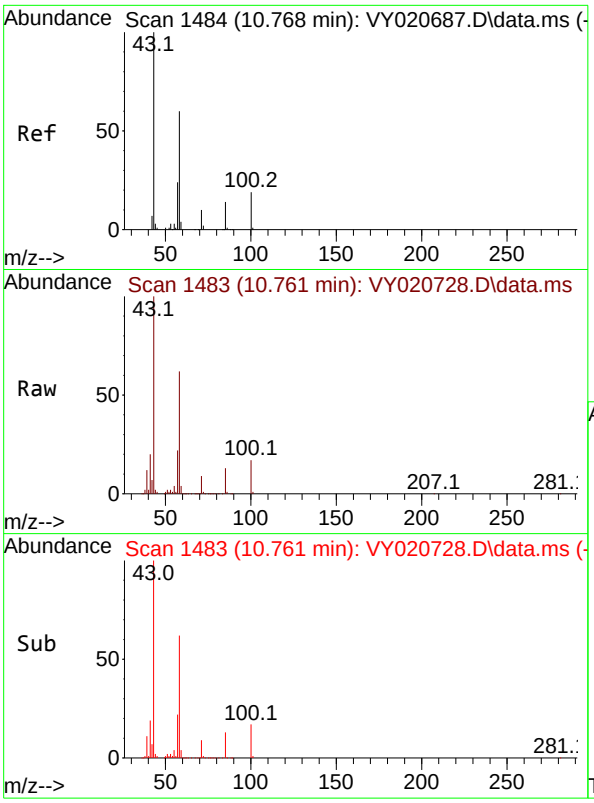


#58
2-Chloroethyl Vinyl ether
Concen: 300.757 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 63 Resp: 89410

Ion	Ratio	Lower	Upper
63	100		
106	35.7	29.1	43.7



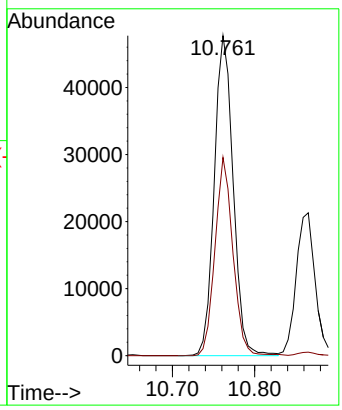


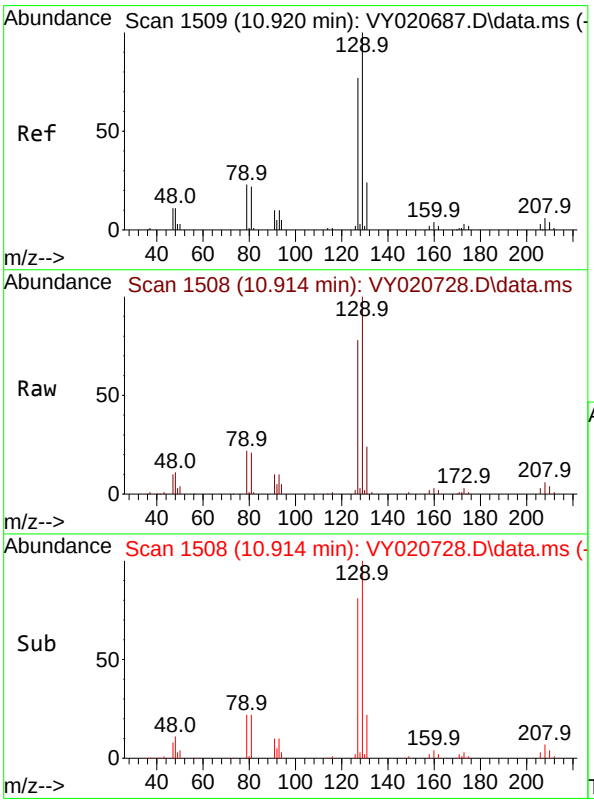
#59
2-Hexanone
Concen: 272.444 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.007 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 76163

Ion	Ratio	Lower	Upper
43	100		
58	58.9	30.1	90.5

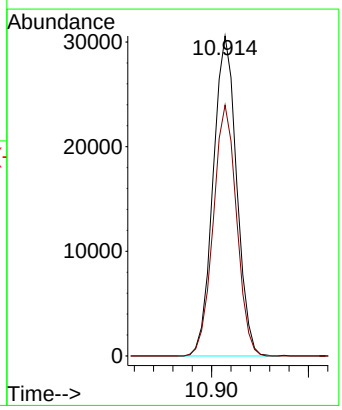


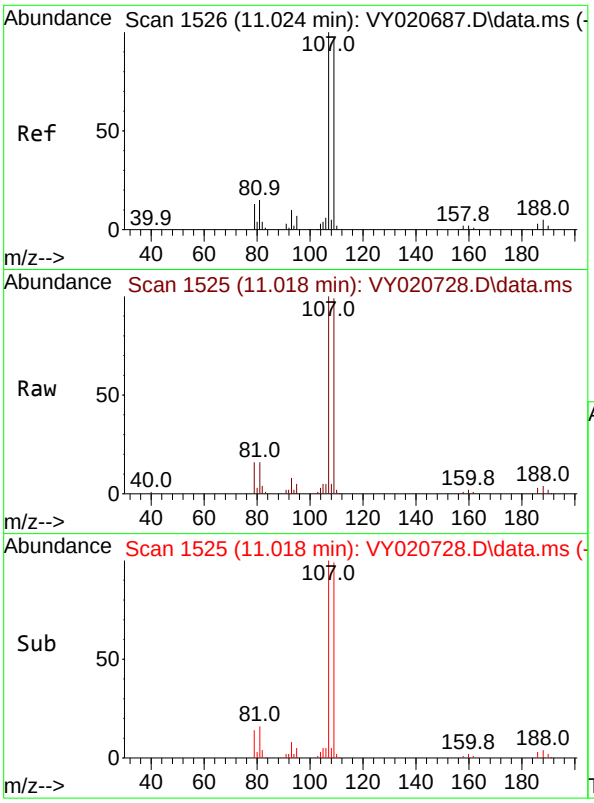


#60
Dibromochloromethane
Concen: 49.038 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:129 Resp: 51420

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.5	115.5



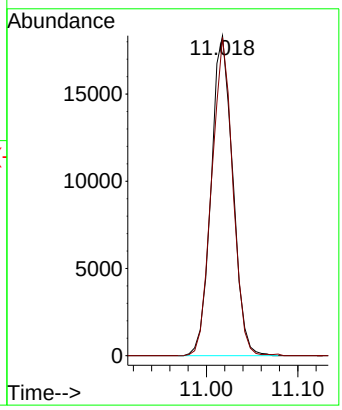


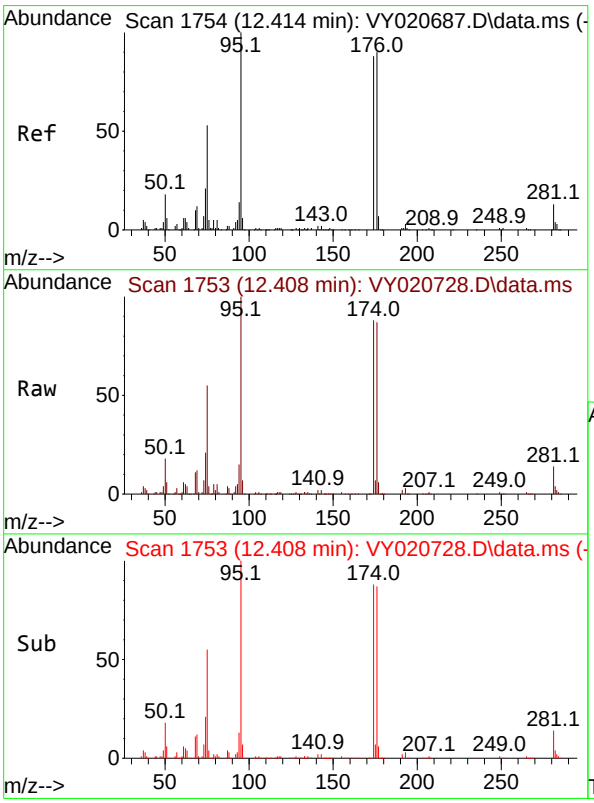
#61
1,2-Dibromoethane
Concen: 49.418 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 30175

Ion	Ratio	Lower	Upper
107	100		
109	96.8	75.5	113.3

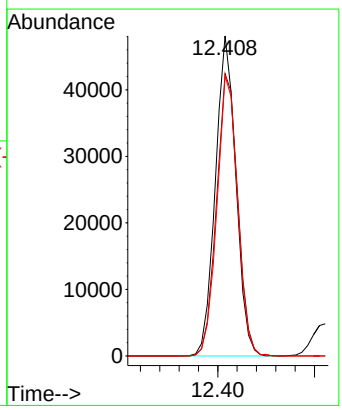


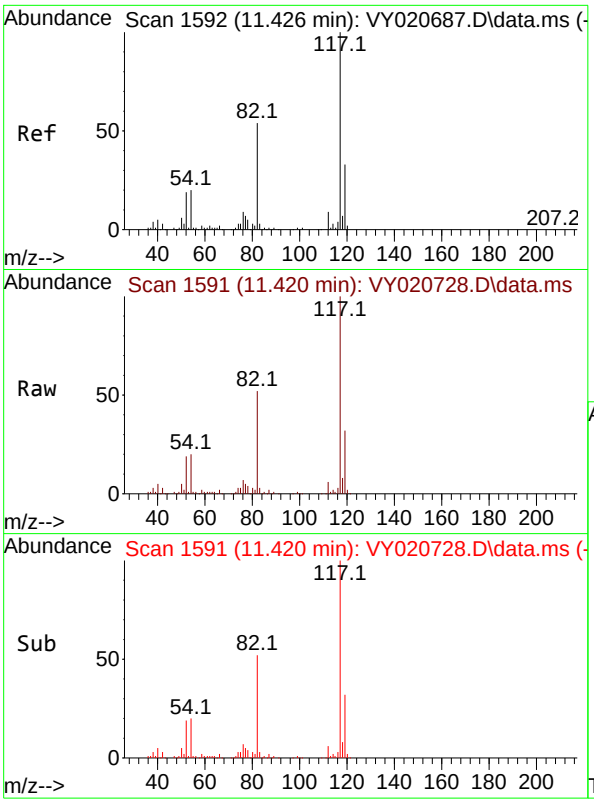


#62
4-Bromofluorobenzene
Concen: 56.112 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 95 Resp: 70702

Ion	Ratio	Lower	Upper
95	100		
174	91.1	0.0	179.2
176	88.0	0.0	179.8



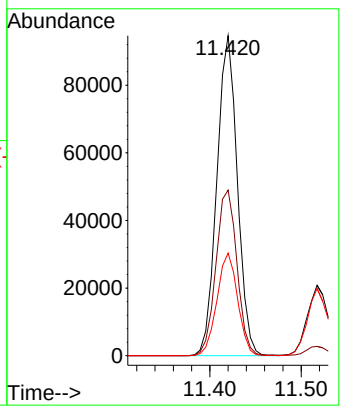


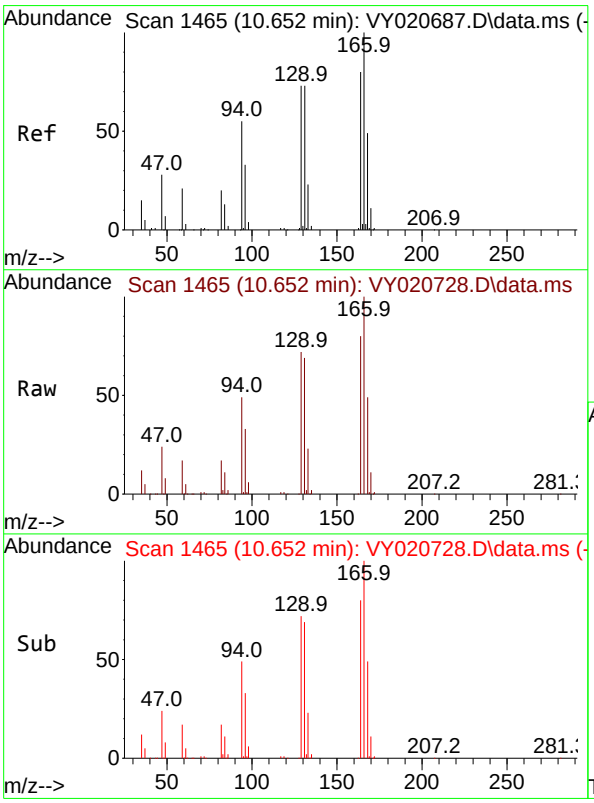
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 148030

Ion	Ratio	Lower	Upper
117	100		
82	51.7	43.4	65.2
119	32.0	26.6	39.8

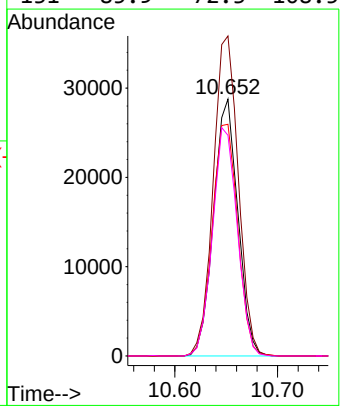


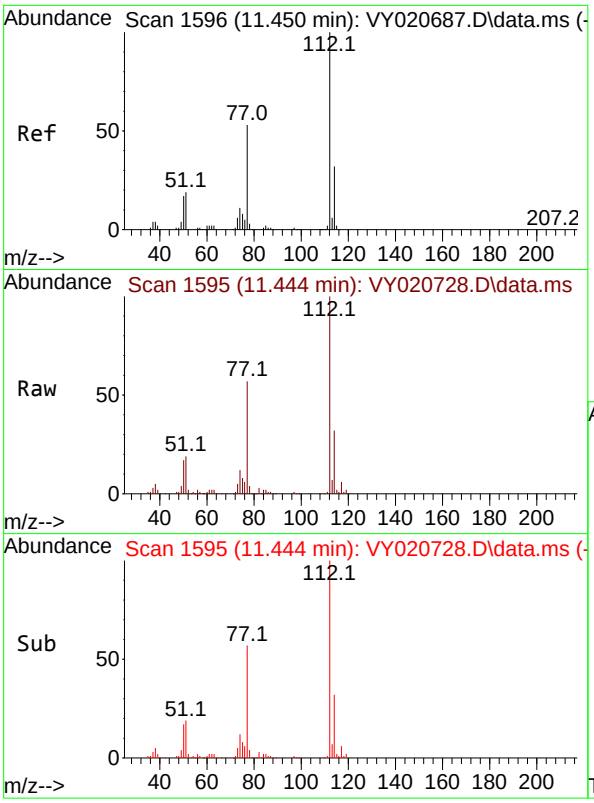


#64
Tetrachloroethene
Concen: 46.676 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:164 Resp: 47206

Ion	Ratio	Lower	Upper
164	100		
166	124.6	99.6	149.4
129	90.2	73.0	109.4
131	85.9	72.3	108.5



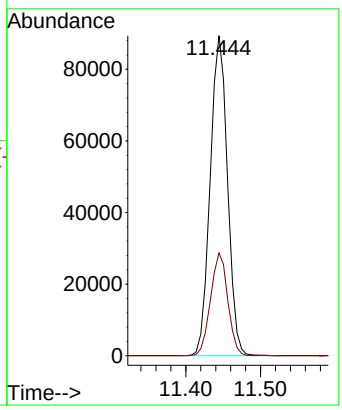


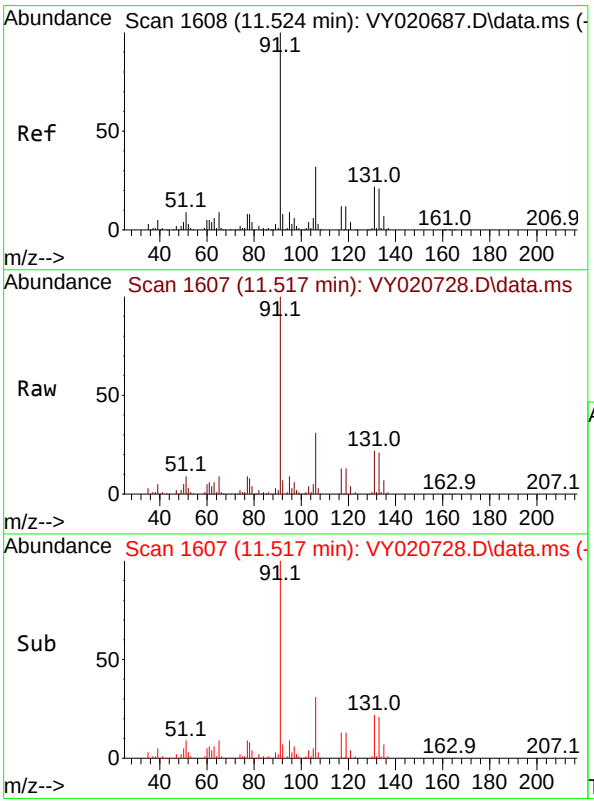
#65
Chlorobenzene
Concen: 49.537 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 143586

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.4	38.0

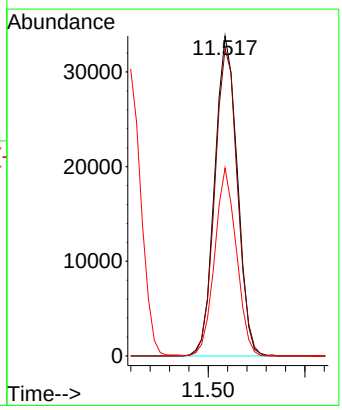


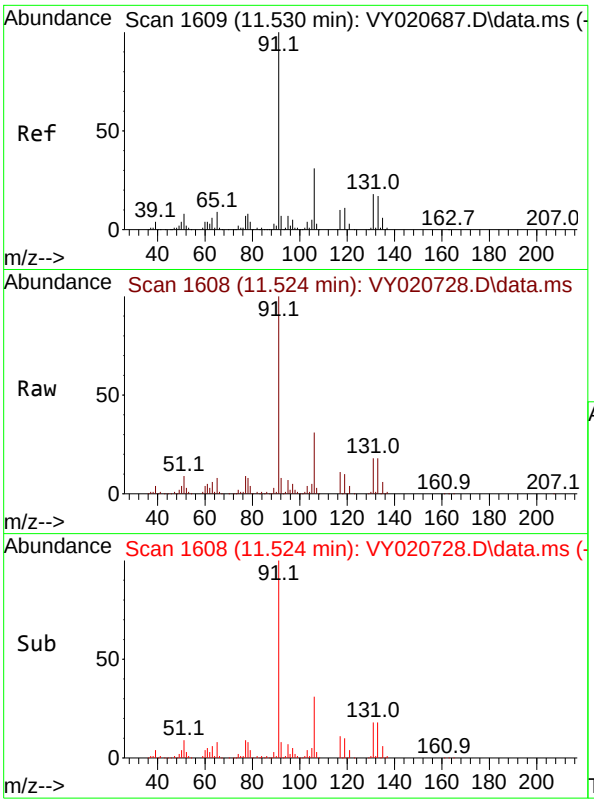


#66
1,1,1,2-Tetrachloroethane
Concen: 48.804 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.007 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:131 Resp: 54805

Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.6	145.9
119	56.5	28.4	85.3



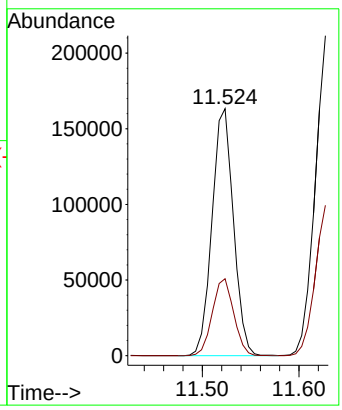


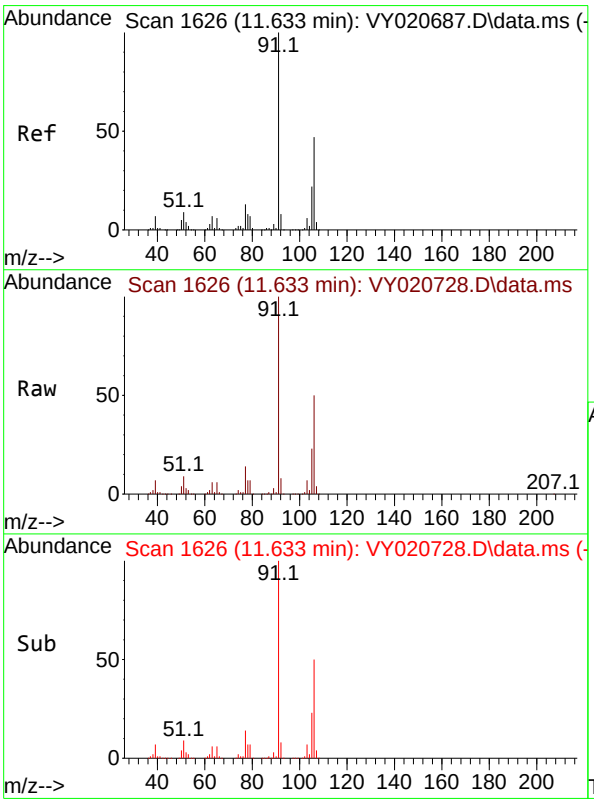
#67
Ethyl Benzene
Concen: 49.546 ug/l
RT: 11.524 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 251000

Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.5	36.7

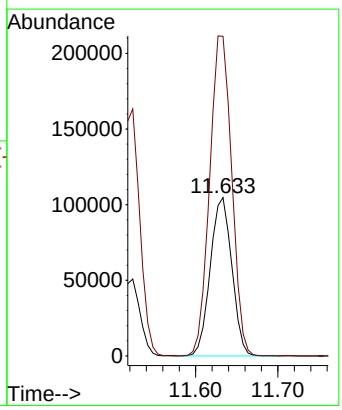


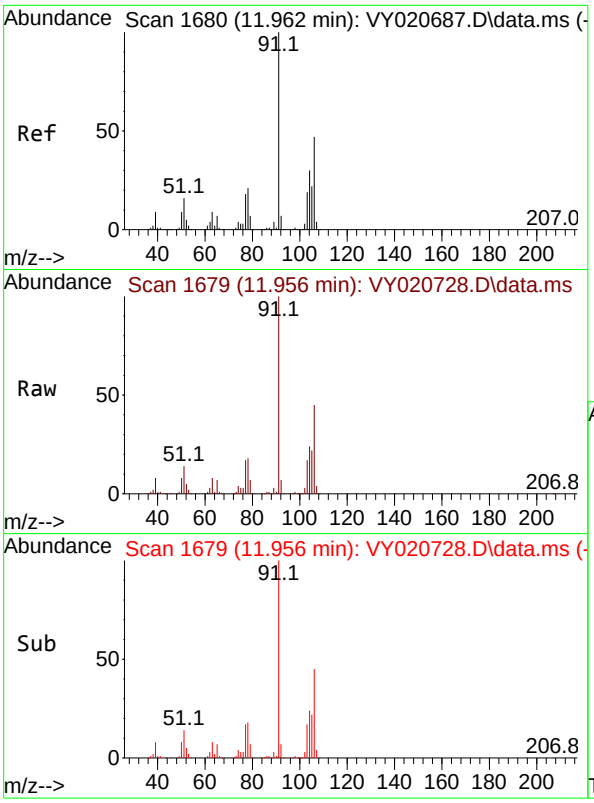


#68
m/p-Xylenes
Concen: 98.695 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:106 Resp: 190725

Ion	Ratio	Lower	Upper
106	100		
91	206.9	166.6	250.0



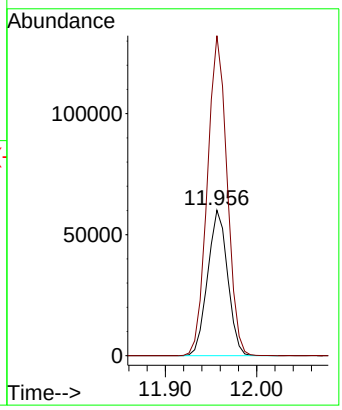


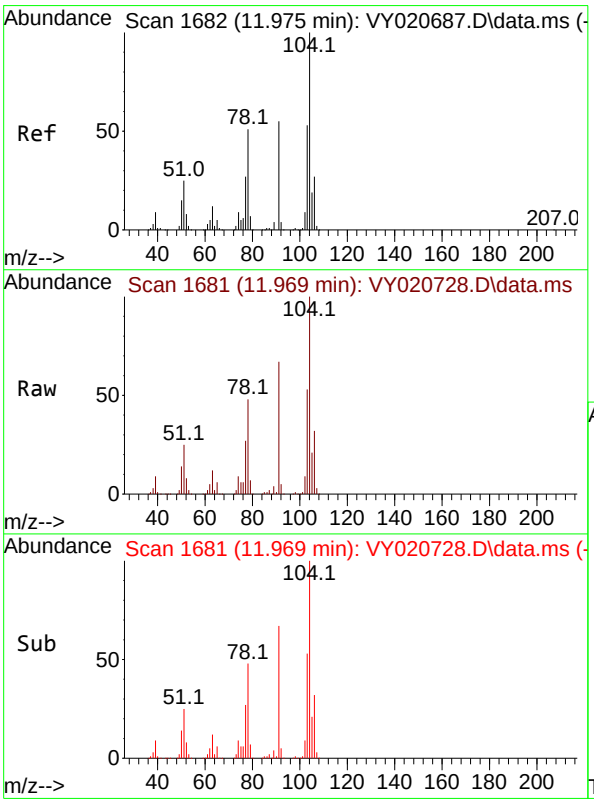
#69
o-Xylene
Concen: 49.380 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 91171

Ion	Ratio	Lower	Upper
106	100		
91	217.1	108.6	325.8

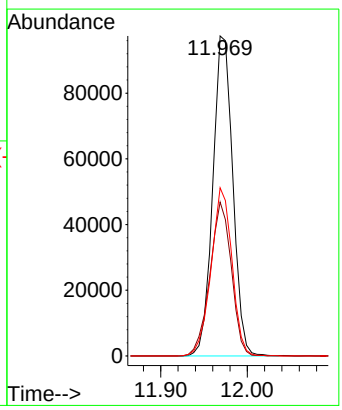


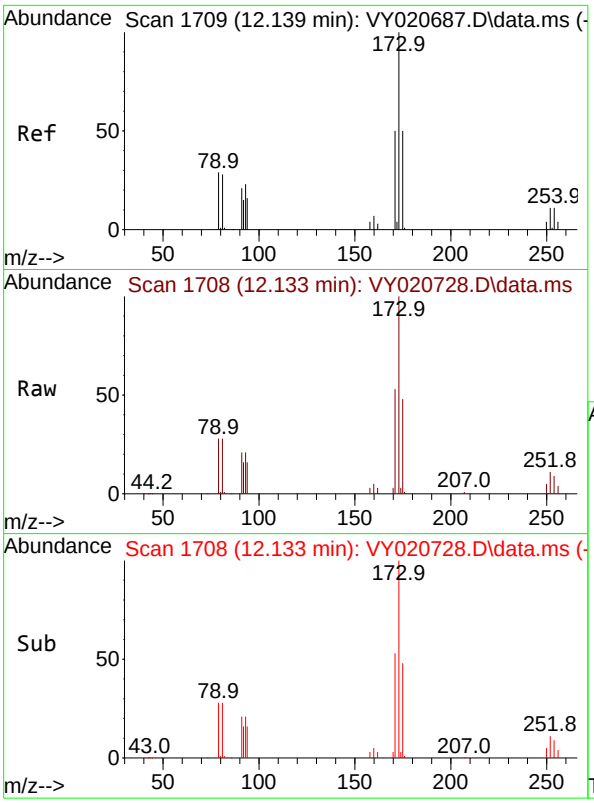


#70
Styrene
Concen: 50.397 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:104 Resp: 156202

Ion	Ratio	Lower	Upper
104	100		
78	51.6	43.0	64.4
103	54.9	44.4	66.6



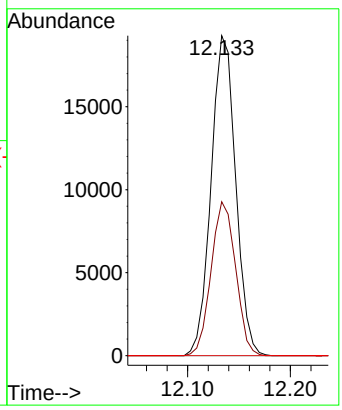


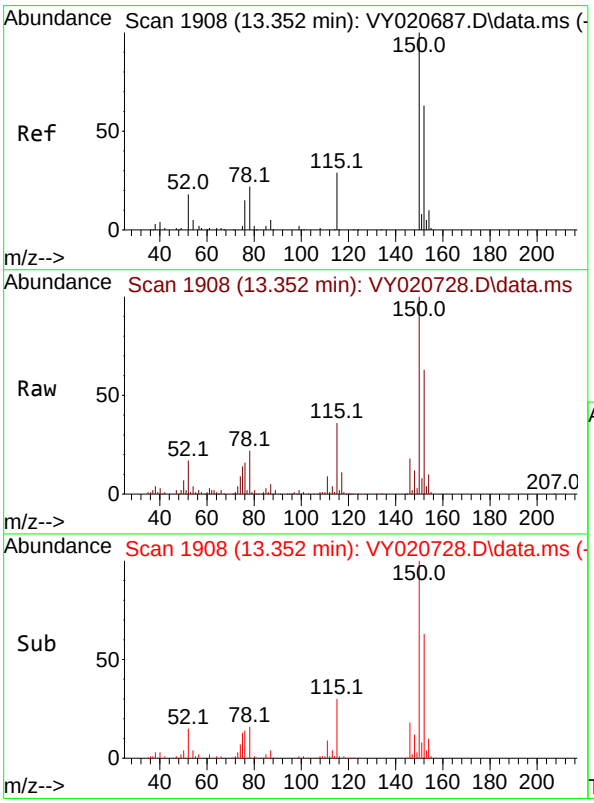
#71
Bromoform
Concen: 49.586 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 32013

Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.2	72.6
254	0.0	0.0	0.0

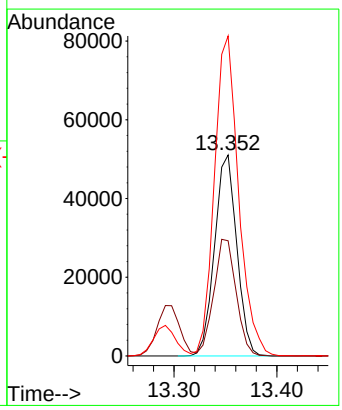


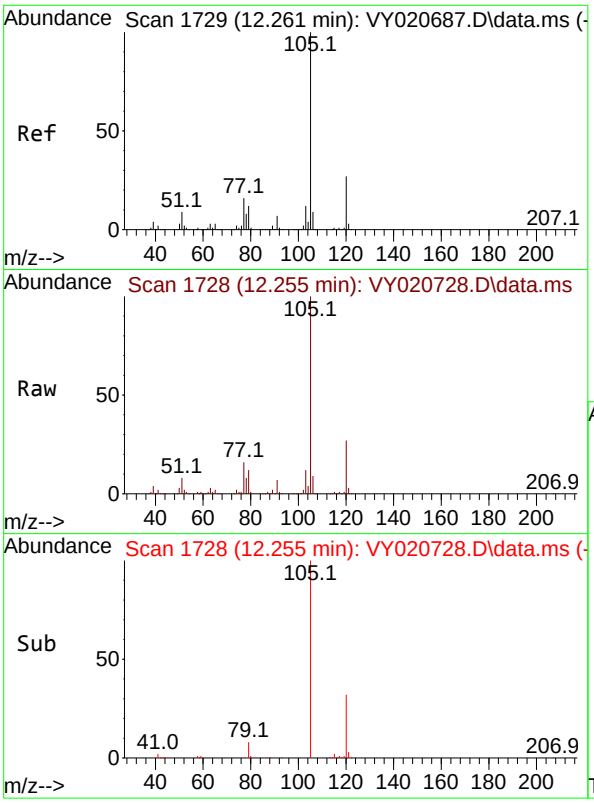


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:152 Resp: 76525

Ion	Ratio	Lower	Upper
152	100		
115	58.5	30.3	90.9
150	173.6	0.0	349.0



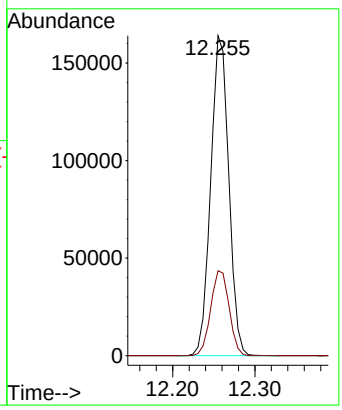


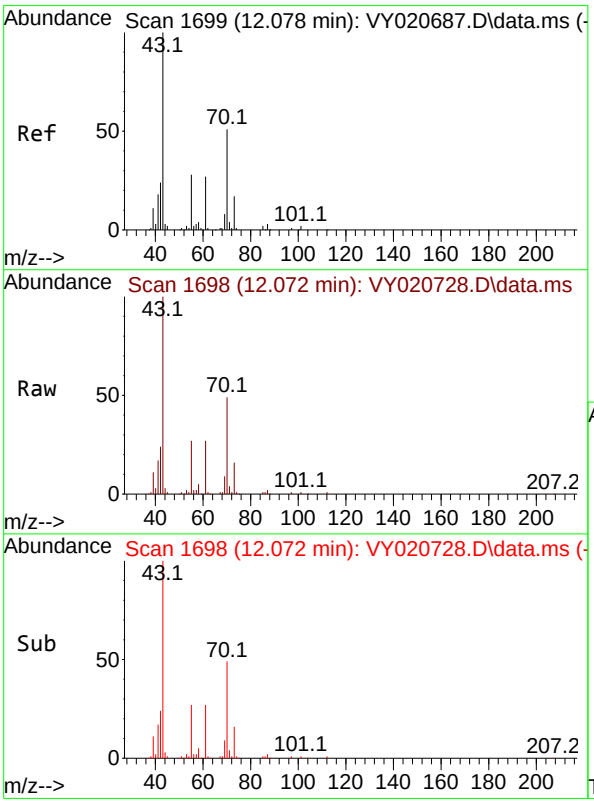
#73
Isopropylbenzene
Concen: 47.089 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 249657

Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.3	39.9

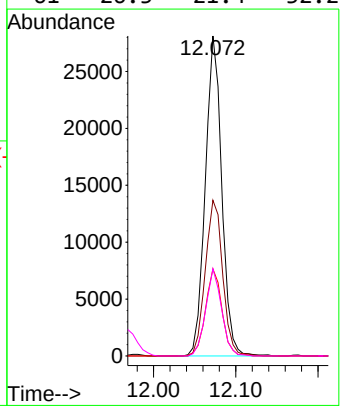


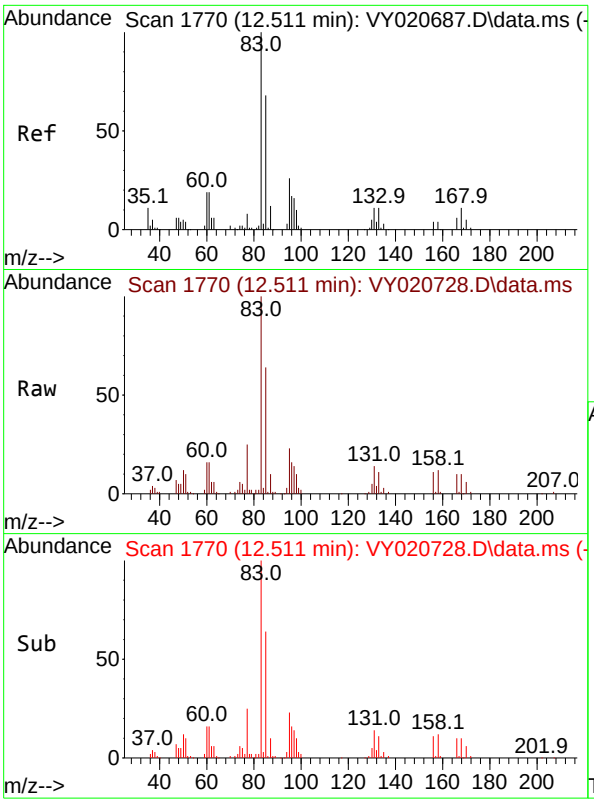


#74
N-amyl acetate
Concen: 52.059 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 43 Resp: 39222

Ion	Ratio	Lower	Upper
43	100		
70	51.5	39.7	59.5
55	27.2	21.5	32.3
61	26.3	21.4	32.2



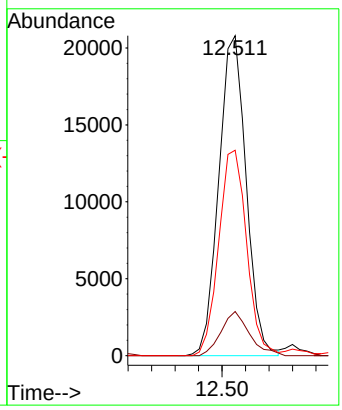


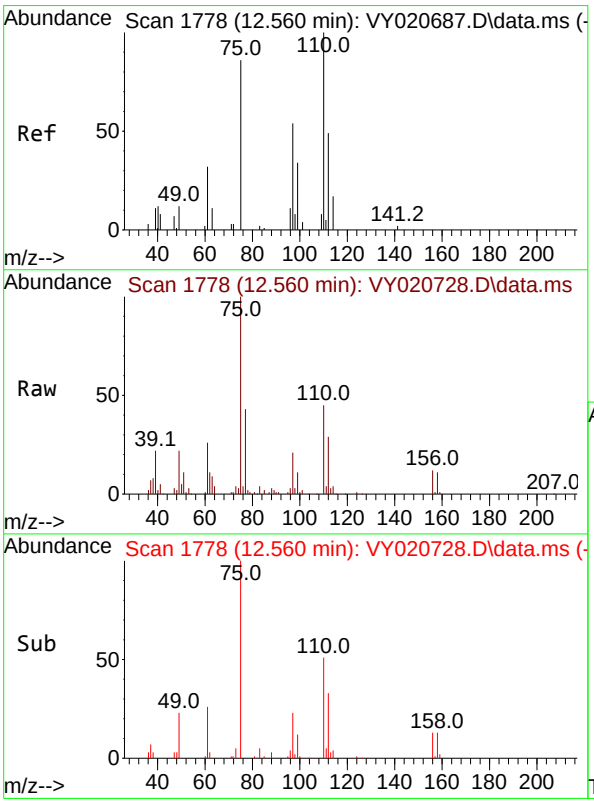
#75
1,1,2,2-Tetrachloroethane
Concen: 49.563 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 33686

Ion	Ratio	Lower	Upper
83	100		
131	14.3	6.9	20.7
85	65.4	32.5	97.4

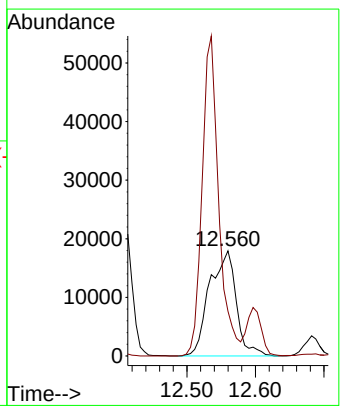


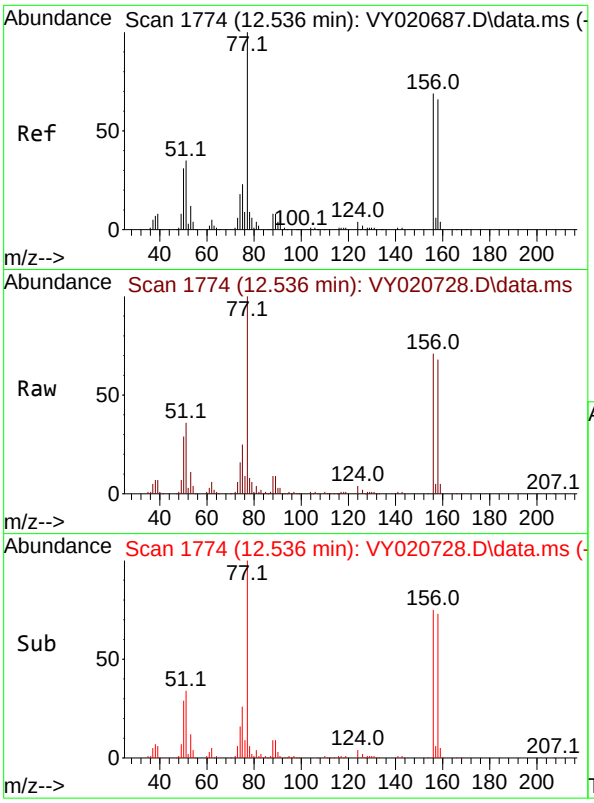


#76
1,2,3-Trichloropropane
Concen: 99.947 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 75 Resp: 48645

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



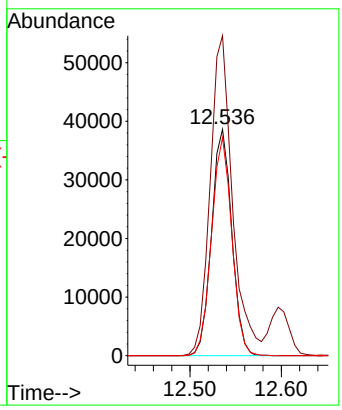


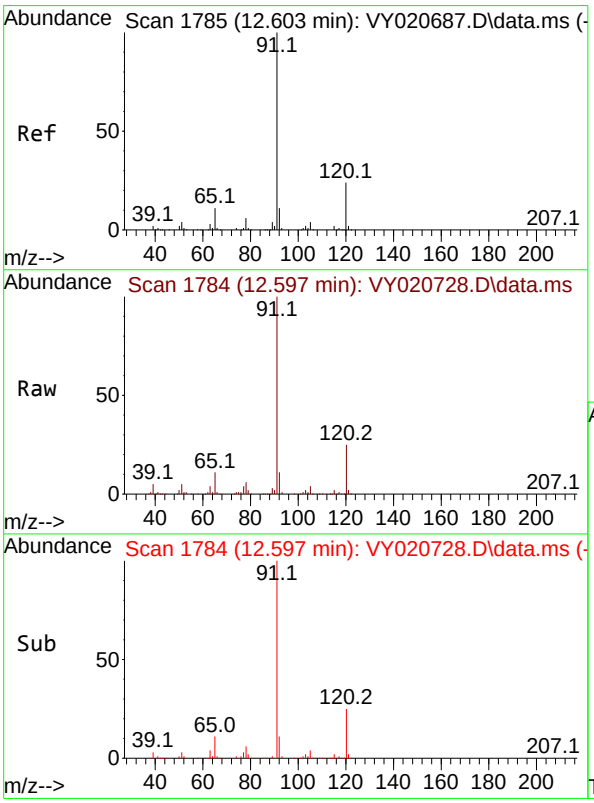
#77
Bromobenzene
Concen: 48.546 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 59248

Ion	Ratio	Lower	Upper
156	100		
77	156.2	78.3	235.0
158	96.7	48.3	144.9

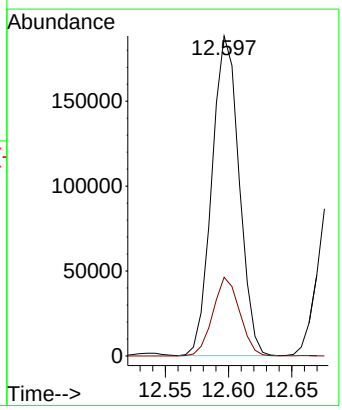


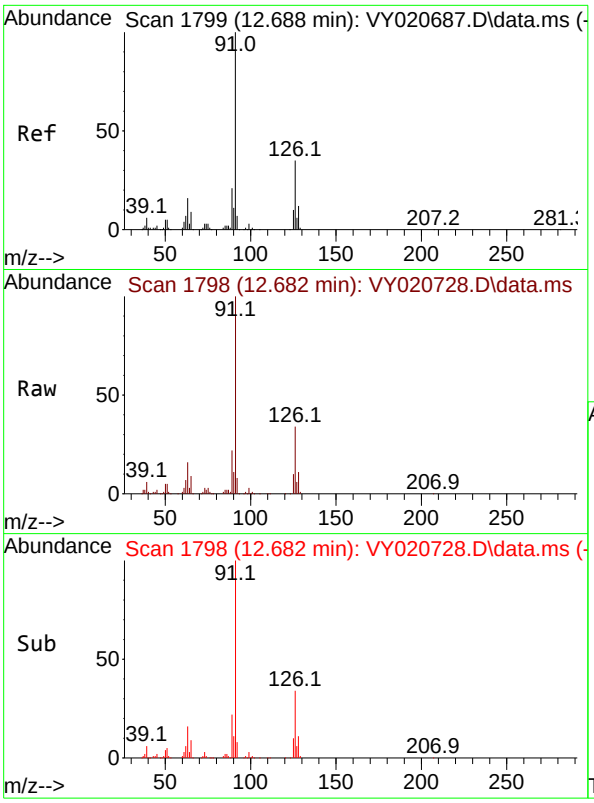


#78
n-propylbenzene
Concen: 47.482 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 91 Resp: 282155

Ion	Ratio	Lower	Upper
91	100		
120	24.1	12.3	36.8



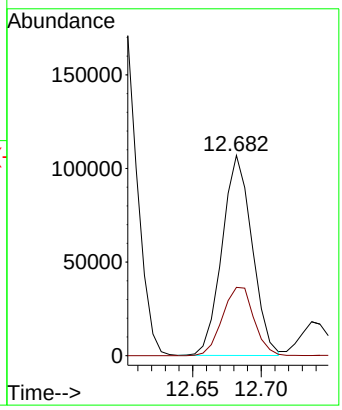


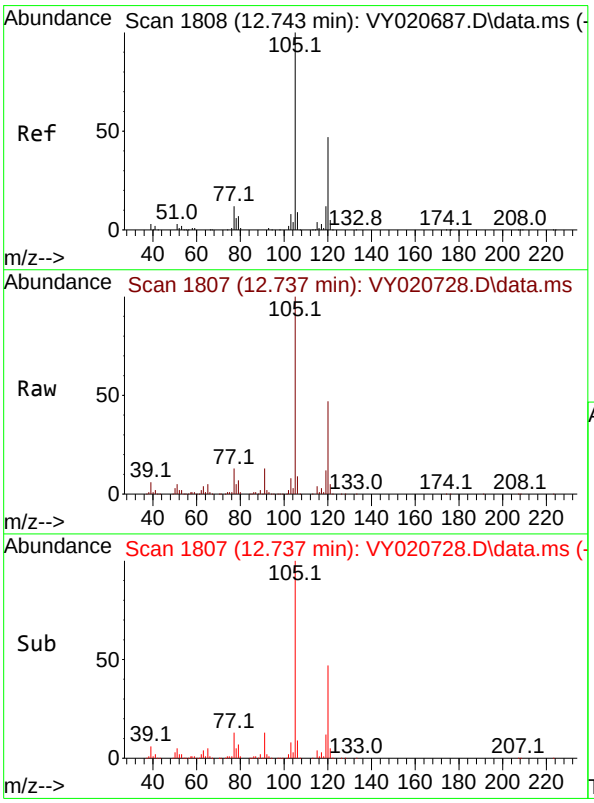
#79
2-Chlorotoluene
Concen: 48.116 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 162993

Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.8	53.3

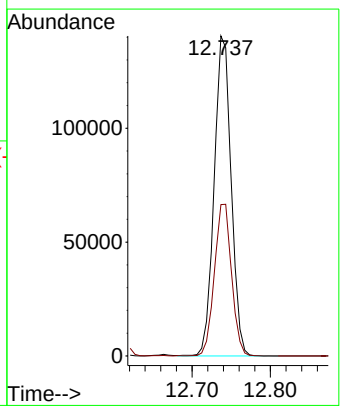


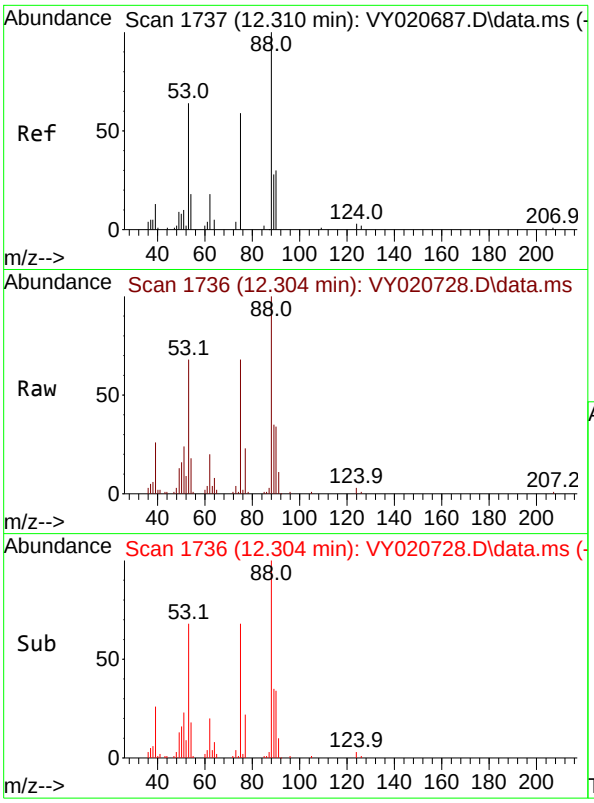


#80
1,3,5-Trimethylbenzene
Concen: 48.002 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:105 Resp: 212033

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.9	71.7



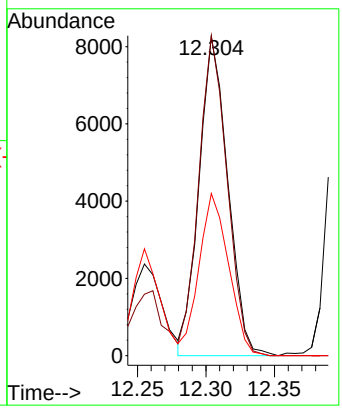


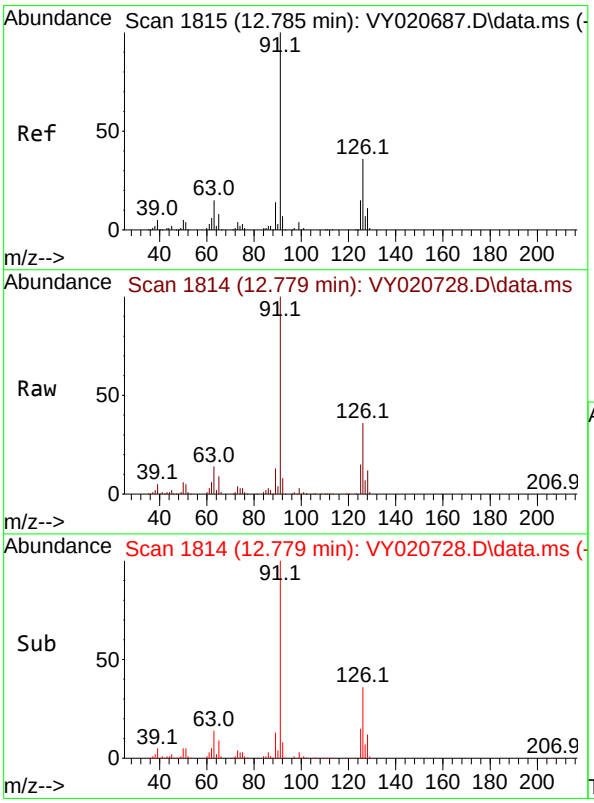
#81
trans-1,4-Dichloro-2-butene
Concen: 49.030 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 12073

Ion	Ratio	Lower	Upper
75	100		
53	98.5	83.1	124.7
89	52.3	40.6	61.0

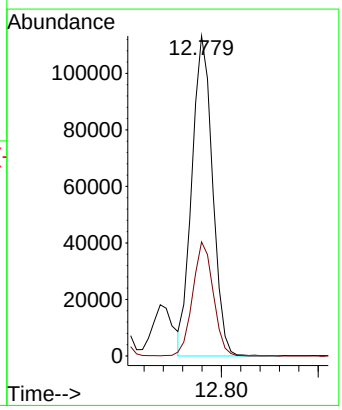


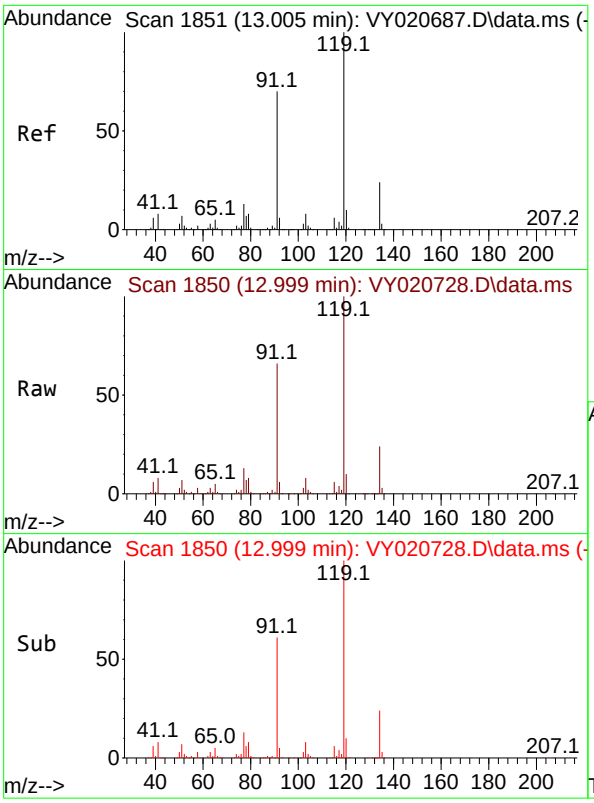


#82
4-Chlorotoluene
Concen: 47.924 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 91 Resp: 167778

Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.8	53.5



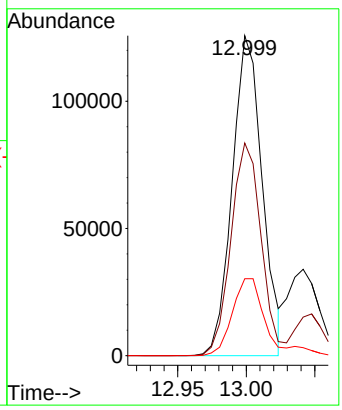


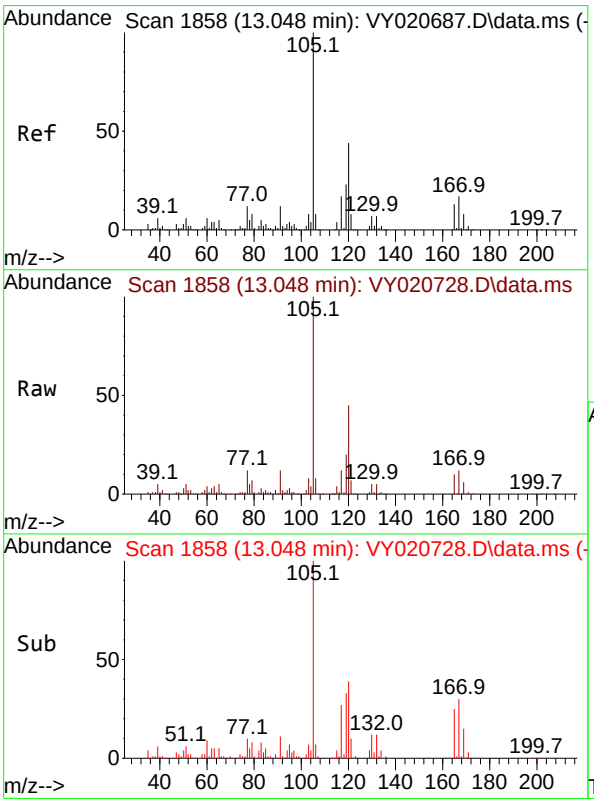
#83
tert-Butylbenzene
Concen: 46.437 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 191560

Ion	Ratio	Lower	Upper
119	100		
91	67.2	33.6	100.8
134	27.0	13.4	40.2

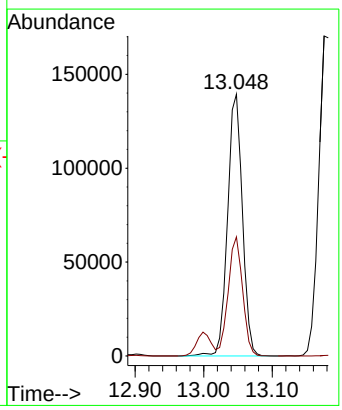


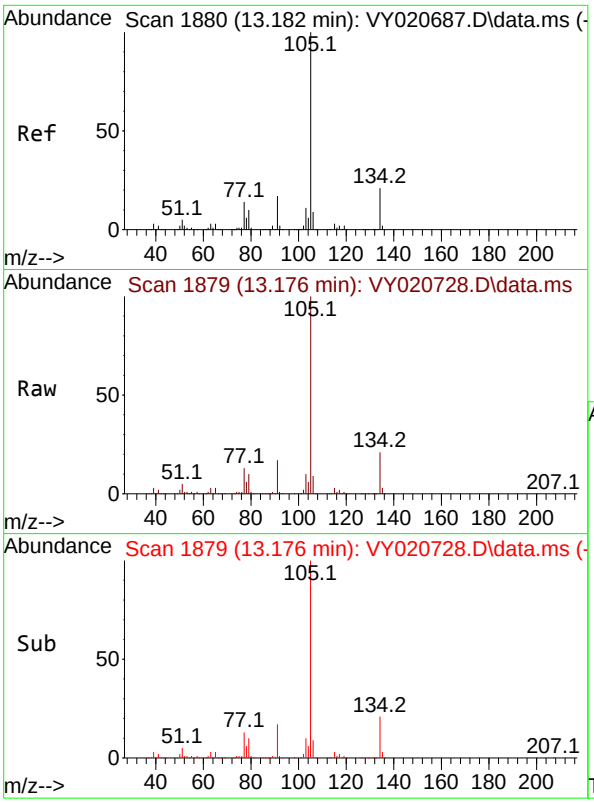


#84
1,2,4-Trimethylbenzene
Concen: 48.661 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:105 Resp: 209170

Ion	Ratio	Lower	Upper
105	100		
120	44.4	21.8	65.3



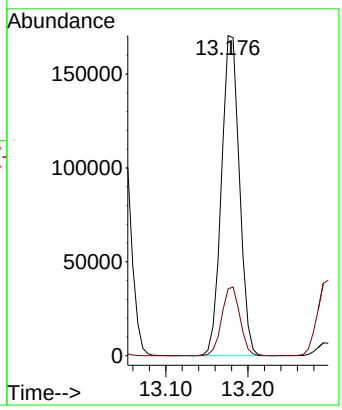


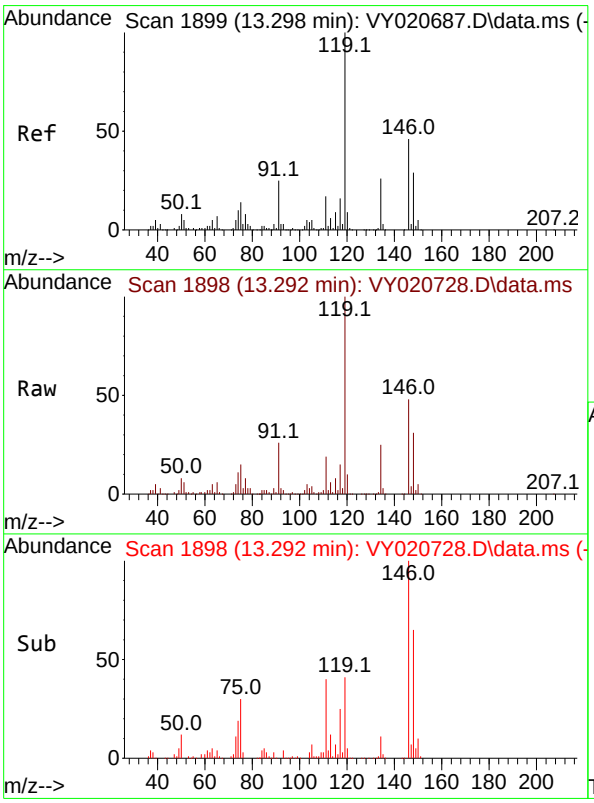
#85
sec-Butylbenzene
Concen: 46.679 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 259512

Ion	Ratio	Lower	Upper
105	100		
134	21.7	10.7	32.1

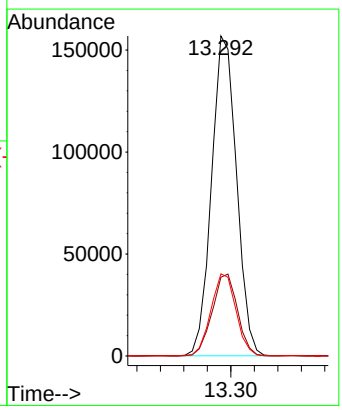


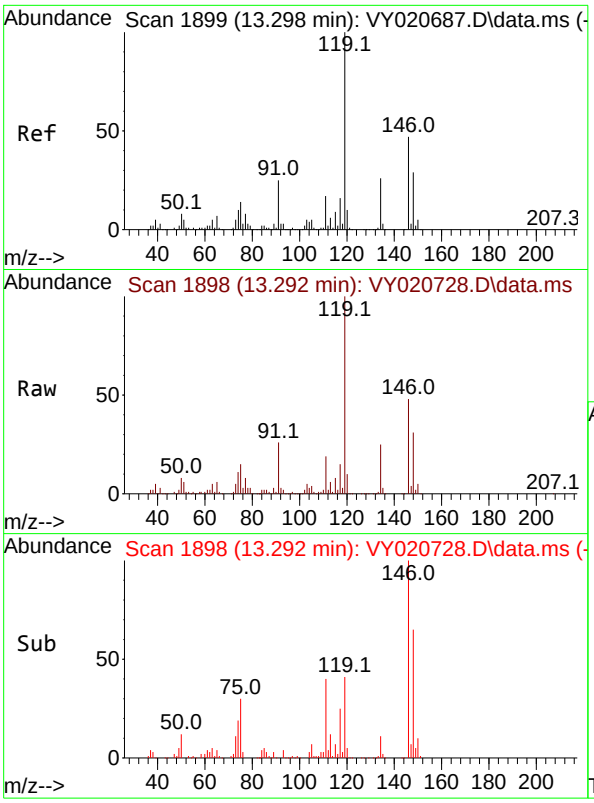


#86
p-Isopropyltoluene
Concen: 46.789 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:119 Resp: 231821

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.4	40.2
91	25.8	12.9	38.6



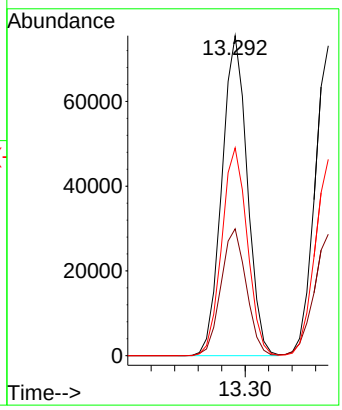


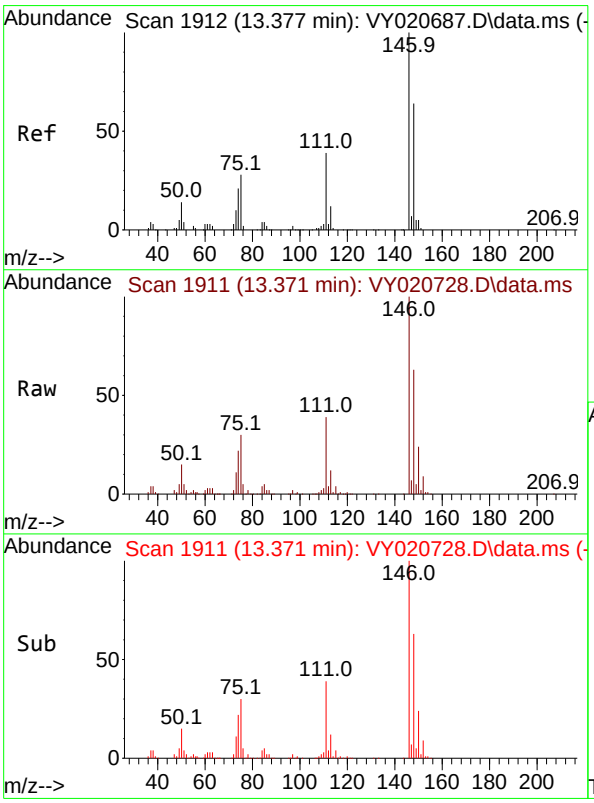
#87
1,3-Dichlorobenzene
Concen: 47.503 ug/l
RT: 13.292 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 113309

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.3	57.8
148	65.4	31.1	93.5

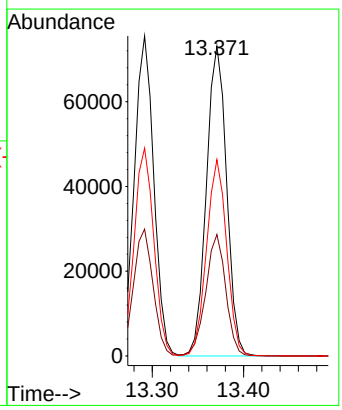


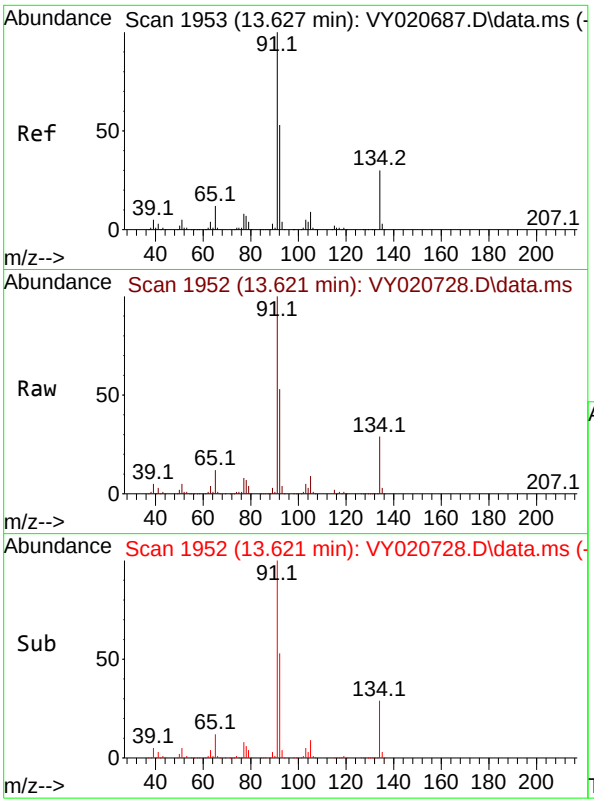


#88
1,4-Dichlorobenzene
Concen: 47.392 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:146 Resp: 112454

Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.0
148	63.3	32.8	98.3



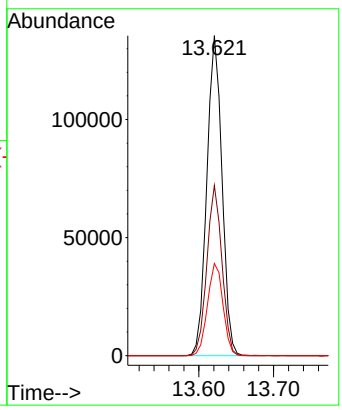


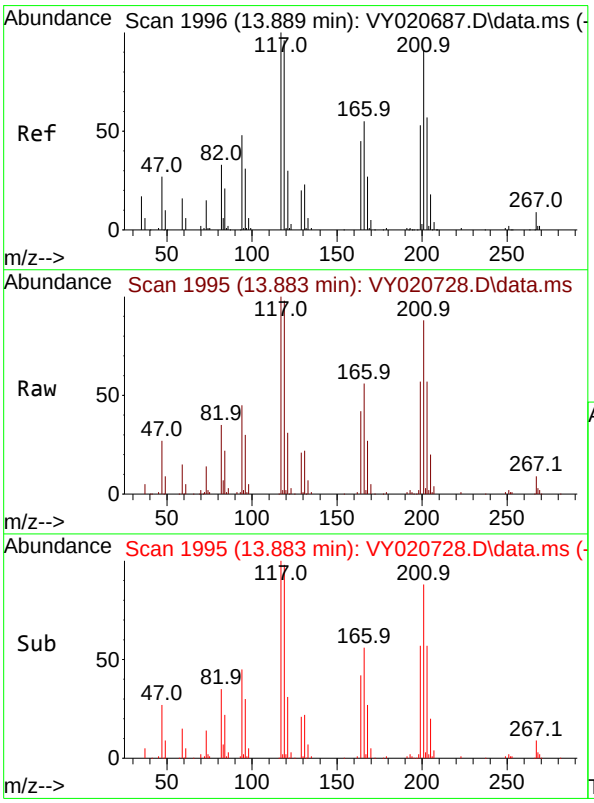
#89
n-Butylbenzene
Concen: 46.112 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 190714

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.1	78.2
134	29.4	14.8	44.4

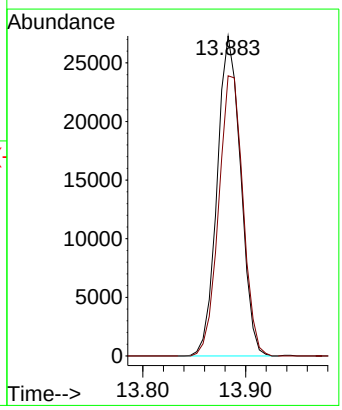


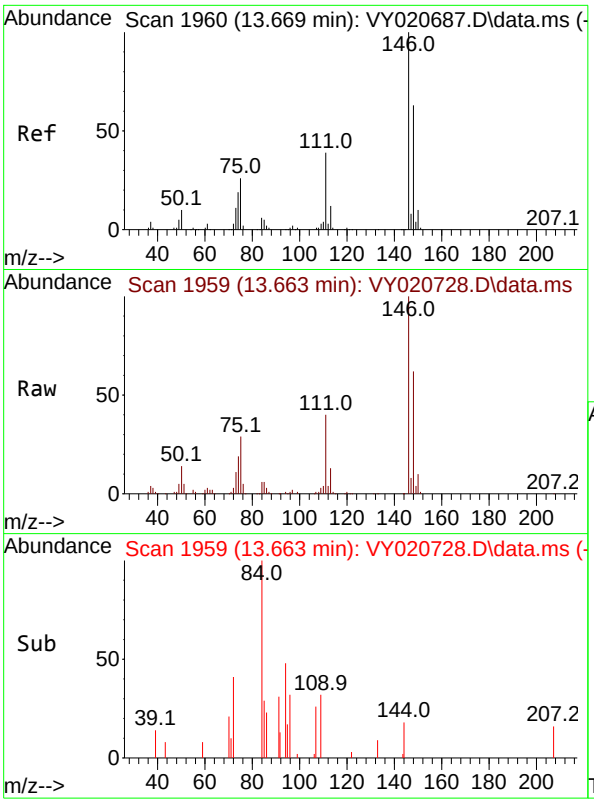


#90
Hexachloroethane
Concen: 46.011 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:117 Resp: 43349

Ion	Ratio	Lower	Upper
117	100		
201	90.2	44.9	134.7



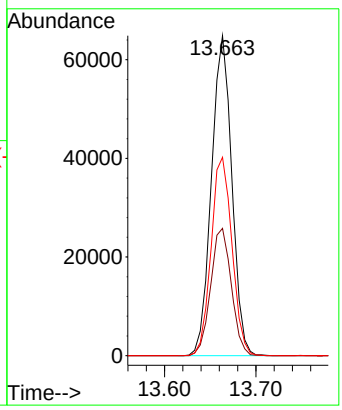


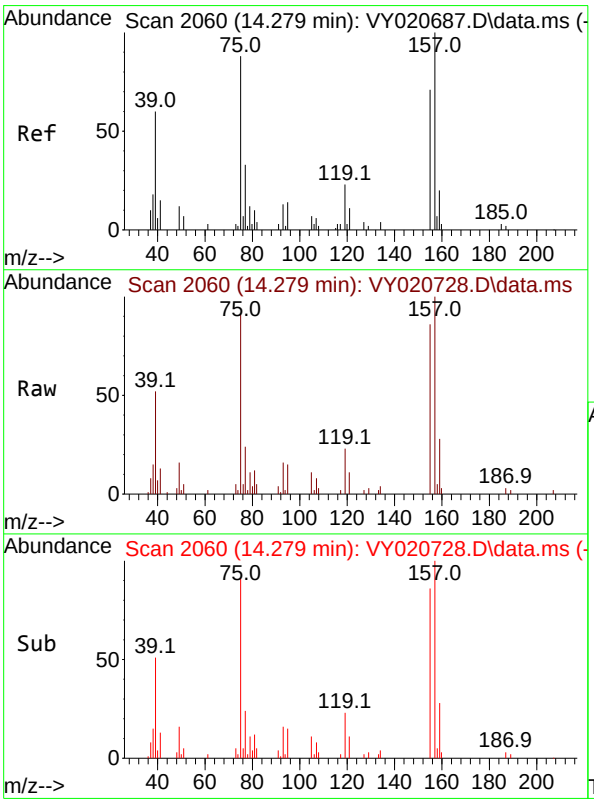
#91
1,2-Dichlorobenzene
Concen: 49.115 ug/l
RT: 13.663 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 100450

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.3	60.8
148	63.5	31.9	95.5

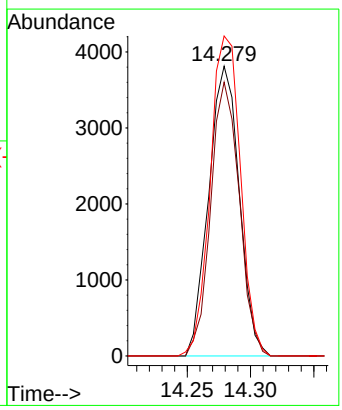


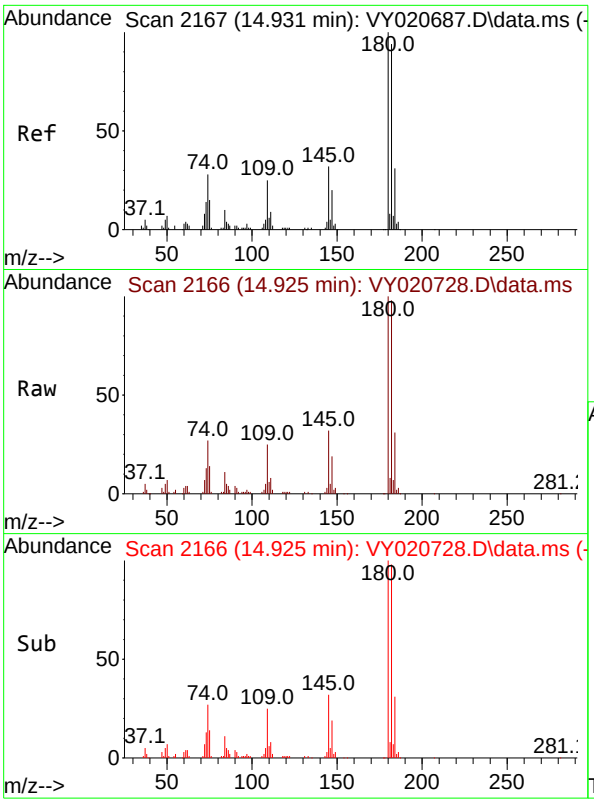


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.649 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion: 75 Resp: 6413

Ion	Ratio	Lower	Upper
75	100		
155	88.1	43.4	130.2
157	109.1	58.6	175.7



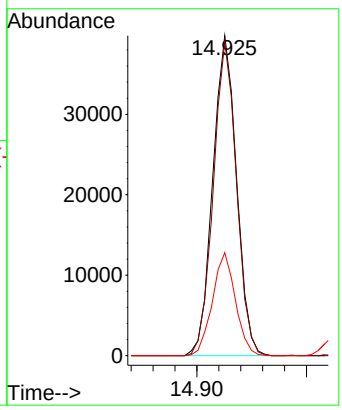


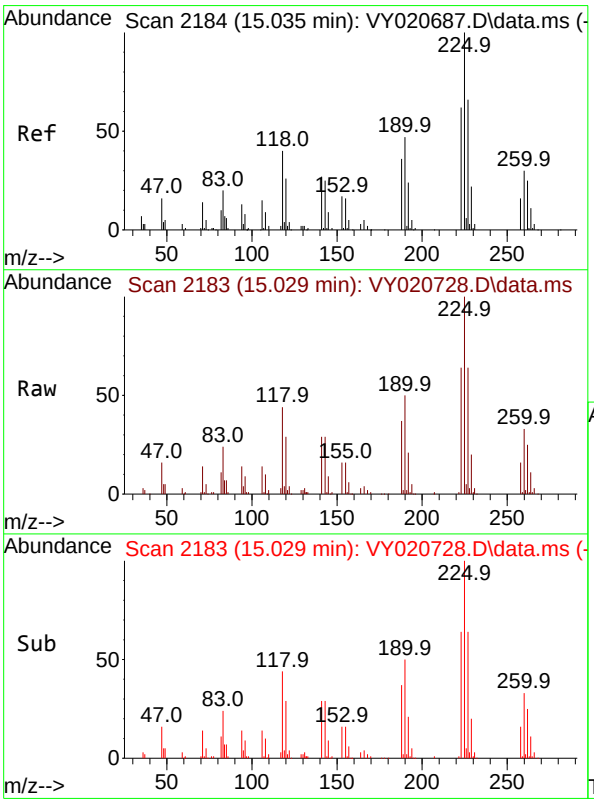
#93
1,2,4-Trichlorobenzene
Concen: 45.993 ug/l
RT: 14.925 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 59790

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.7
145	31.2	15.6	46.8

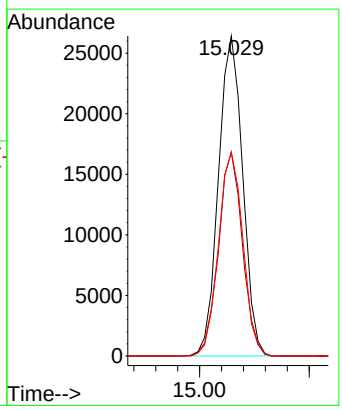


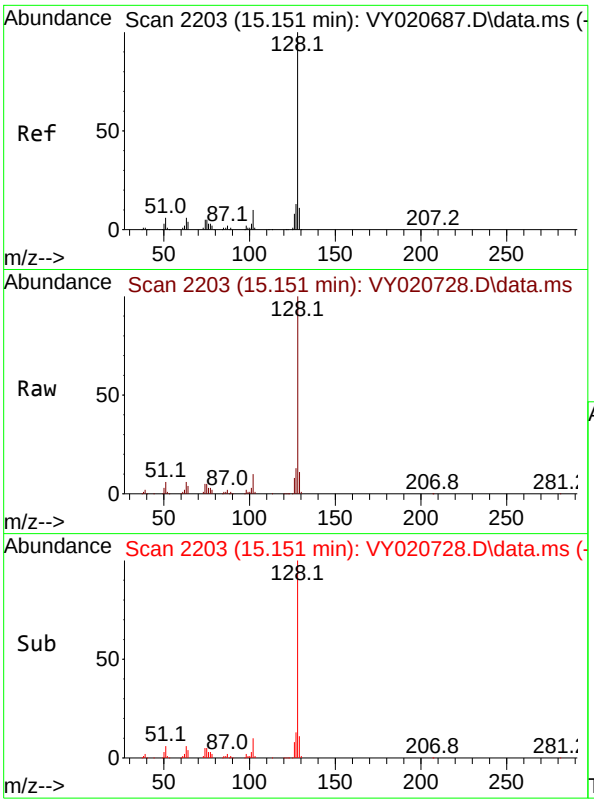


#94
Hexachlorobutadiene
Concen: 42.822 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:225 Resp: 40572

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.3	93.8
227	64.1	32.1	96.5



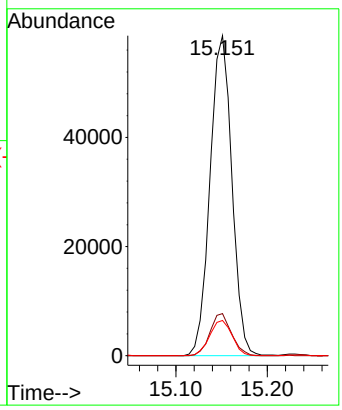


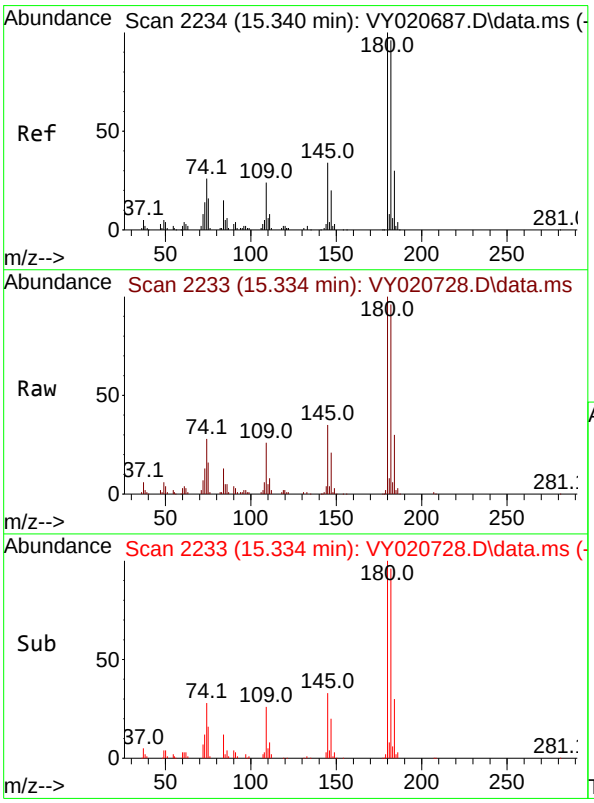
#95
Naphthalene
Concen: 46.789 ug/l
RT: 15.151 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 97419

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	11.3	8.6	12.8





#96
1,2,3-Trichlorobenzene
Concen: 46.500 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.006 min
Lab File: VY020728.D
Acq: 26 Dec 2024 19:34

Tgt Ion:180 Resp: 50331

Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.4	142.2
145	32.6	16.7	50.1